Instrumental Data for Drug Analysis

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Instrumental Data for Drug Analysis

Third Edition

Volume 1

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Table of Contents

Preface

Almost everyone engaged in the analysis of drug-related compounds, whether in the forensic, clinical, or university laboratory, has an accumulation of analytical data and thus has acquired a database for the analysis of these compounds. Some of the information contained in the Third Edition of *Instrumental Data for Drug Analysis* is available in the literature; however, there are a limited number of sources that contain timely, quality data of this type presented in a large, easily usable format.

As in our previous editions, in Volumes 1 through 4 we have included the six popular analytica1 techniques: ultraviolet (UV), infrared (IR) spectrometry, proton nuclear magnetic resonance (NMR) spectrometry, mass spectrometry (MS), gas chromatography (GC), and high pressure liquid chromatography (HPLC). As the quality of data presented was of paramount importance in a reference source, we generated all of our data in our laboratories under uniform, reproducible conditions using state-of-the-art technology and verified chemical standards.

In Volume 5 of the third edition of *IDDA,* we have included additional analytical data on selective drugs and techniques: a section of over 800 RAMAN spectra of drugs, sections of analytical data especially designed for toxicologists containing mass spectra of over 200 pesticides and mass spectra of over 280 derivatives of drug compounds, and a section of over 600 GC/FTIR spectra of many of the drugs found in volumes 1-4 of *IDDA*.

Volume 6 contains sections of additional IR and NMR spectra of interest to the analytical chemist. Appendices A through I and a Cumulative Index include all data from Volumes 1 through 5 with the corresponding page and volume number given after each entry.

Terry Mills III

J. Conrad Roberson

Acknowledgments

For this third edition, the authors wish to express appreciation to the many individuals who contributed to this reference book by offering helpful suggestions, information, assistance, and reviews.

We are grateful to Mr. Vernon Keenan, Director of the Georgia Bureau of Investigation, for making the facilities of the Division of Forensic Sciences crime laboratory available for this work.

In the First Edition, Volumes 1 and 2, we appreciated the assistance of contributing authors Patricia T. Price and William N. Price for generating the mass spectra data.

In the Second Edition Volume 5 we appreciated the contributing authors H. Horton McCurdy and William H. Wall for their work on derivatized drugs.

In the Second Edition Volume 6, we appreciated the contributing author William H. Wall for his work on mass spectra data on pesticides and contributing authors Kevin L. Lothridge, William D. McDougall, and Michael W. Gilbert for their work on generating the GC/FTIR data.

In this Third Edition we appreciated the work of contributing author Chris Matchett who organized all the new data for final digitization and to the contributing authors Mathew Simon, Bob Ollis and Mark Burns who also contributed to the new data in this new edition.

We also acknowledge GBI chemists Jesse Brown and Deneen Scott for their contributions in collecting NMR, mass spectra and Raman data, and the work of interns Emily Beck, Ben Nathan, and Josh Macenzak for generating Raman, NMR, and FTIR data.

Throughout the various editions we also appreciated the help from numerous members of the GBI-DOFS crime laboratory for their help.

We would like to thank Carol Mills for typing indices and generating compound lists.

We are deeply indebted to Bradley Mills whose computer expertise digitized most of the data from the previous IDDA editions and formatted the new data in this *Instrumental Data for Drug Analysis, Third Edition.*

Terry Mills III

J. Conrad Roberson

Introduction

This reference book consists of chromatographic and spectral data on 1638 selected drug compounds as well as over 600 GC/FTIR drug spectra, 800 RAMAN drug spectra, over 200 pesticide mass spectra, and over 280 derivatized drug mass spectra. Each monograph is accompanied by UV, NMR, IR, and MS spectra and tabulation of GC and HPLC data where available. The information on a specific compound should be located by using the alphabetical index, the GC, IR, and MS tables or the UV maxima indexes found in Volume 6 of *IDDA*. In the Cumulative Index, Raman data only is designated by [RAMAN], GC/FTIR data by [GC/FTIR], supplemental IR and NMR data by [IR ONLY] AND [NMR ONLY] respectively following the compound name.

CHEMICAL STANDARDS

Every effort was made to secure chemical standards of the highest purity available. Where possible, data presented in this book were obtained from samples secured as "pure" drug standards from the Drug Enforcement Administration (DEA), Applied Sciences Laboratories, Sigma Chemical Company, or various pharmaceutical companies. The pesticides were obtained from Chem Service or the former EPA-Pesticides and Industrial Chemicals Repository and were in excess of 95% purity. When necessary, samples were purified by extraction methods followed by recrystallization to constant literature melting points and verified by thin layer chromatography. In almost all cases, the data presented on each compound were obtained from one sample. The sample purity was usually greater than 95% and, in many cases, greater than 99%. Where available, each spectrum generated was confirmed by previously published data.

DRUG MONOGRAPHS

The monograph chiefly consists of the chemical title, molecular formula and weights, synonyms and trade names, usage, and structure. In most cases the chemical title, which appears above each spectrum, either is listed in the Federal Drug Code, Title 21, or is the most commonly used name. The molecular weights are based on the current acceptable IUPAC convention to the nearest hundredth of a decimal place. The value in parentheses represents the weight using the most abundant naturally occurring isotope of each element.

Generally, the first name listed as the synonym is the uninverted form of the *Chemical Abstracts*' name. Other alternate names such as common chemical or trivial names follow the *Chemical Abstracts* listing. The trade names include those that are currently available as listed in the 1999 or later *Physician's Desk Reference (PDR)*. The major therapeutic actions of the drugs are listed in the use section. The structure presented on each compound is, in most cases, not intended to represent spatial configuration. Many of the structures were drawn by using the Chemwindow program from SoftShell International.

GAS CHROMATOGRAPHY

The gas chromatography data are presented in the monographs in the form of Kovats indices calculated by the following formula:

$$I = 100 \left[2 \left(\log T_D / T_X\right) / \left(\log T_Y / T_X\right) + X\right]$$

where

I = Kovats index

T_D = Retention time of the drug

T_x = Retention time of an even numbered normal hydrocarbon whose carbon number is X

T_y = Retention time of an even numbered normal hydrocarbon whose carbon number is Y where $Y = X+2$ and $T_x \leq T_D \leq T_Y$

For compounds eluting between dotriacontane and hexatriacontane, the "2" in the above equation was changed to a "4" to calculate indices between 3200 and 3600. The C34 hydrocarbon standard was not available . The chromatograph used was a Hewlett-Packard (HP) 5890 Series II model attached to an HP 5988 mass spectrometer, which was used to verify the identity of the spectral peaks used to produce the data presented here. The column used was an HP1 capillary column with an inside diameter of 0.2 mm and a 0.33 micron film thickness of methyl silicone stationary phase. The carrier gas was helium at a flow rate of 0.9 ml/min. All measurements were made with isothermal temperature programs. The data are presented as Kovats indices followed by the column temperatures, in degrees Centigrade, used to produce the data. To reproduce the results presented in this book, the same temperature, stationary phase, carrier gas, gas flow rate, and column dimensions should be used. The Kovats indices presented here cannot be compared with indices measured with a packed column. A table of retention indices appears in Appendix I in Volume 6 of *IDDA*.

MASS SPECTROMETRY

The mass spectra were acquired on a Hewlett-Packard 5970 and 5973 GC/MS operating in the electron impact (EI) mode with an electron energy of 70 ev. Unless otherwise noted, samples were introduced via a methyl silicone column into the MS source, which was maintained at 200° C.

Every effort was made to standardize the sample size and mass spectrometer tuning to ensure consistent spectra throughout this collection. When it was necessary to manipulate the spectra, e.g., to remove traces of the injection solvent or column background, due care was exercised to avoid distorting the data. Mass calibration was checked several times a day, and the inertness of the interface was demonstrated daily by the analysis of cholesterol, which produced a 386/368 ion ratio of greater than 2:1.

Most of the mass spectra were plotted on a HP 7550A graphics plotter. Although prominent ions in each spectrum are labeled, the user should be aware that these masses were selected on the basis of abundance and may not indicate the most significant fragments for each compound.

Several cumulative indices of the mass spectra sorted by base peak, by exact molecular mass, and by alphabetical order for both drugs and pesticides are included as Appendices F and G of Volume 6 of *IDDA*.

The abbreviation "OA" within a name on the pesticide mass spectra refers to the "oxygen-analog" of the organophosphate pesticide.

MASS SPECTRA OF DERIVATIZED DRUGS

Introduction

There are several reasons why the derivatization of a drug may be desirable. The primary reason is, doubtless, to enhance the drug's volatility and thus markedly improve the chromatographic presentation. However, there are also several other reasons why it may be necessary to derivatize a drug. A derivatized drug might have the potential to be used as an internal standard. Derivatization of a drug might offer useful, noninterfering ions for GC/MS in the selected ion monitoring mode. Derivatization of drugs can also provide one more means for the positive identification of a drug. Last, but not least, derivatization and analysis of one drug might cause other derivatized drugs or metabolites to unexpectedly appear in the chromatogram which may require further identification. For these reasons, the data presented herein might be useful to the analyst.

The wide array of derivatizing agents available and the variety of drugs that can undergo derivatization presents almost limitless possibilities. Most of the drugs and derivatizing reagents selected were those that are commonly encountered in the toxicology laboratory. Many more drugs than are represented in this volume were selected for derivatization. However, for one reason or another, some drugs could not be successfully derivatized with a particular derivatizing reagent, even after repeated attempts. For example, one drug might react easily with PFPA but meet with total failure when reacted with HFBA; whereas, another drug might do the exact opposite or react with both or react with neither.

It might be presumed, then, the drugs contained in this volume are those which lend themselves most easily to derivatization with a particular derivatizing reagent. We caution, however, that the absence of a derivatized drug should not infer that in other hands and/or using different laboratory conditions that a particular drug would not be capable of derivatization. Furthermore, the derivatization reagent we employed for a particular drug should neither be considered as the only means nor the preferred means of obtaining the derivatized drug.

Whenever possible, mass spectral data were confirmed using alternate literature sources. Such references, however, showing the complete mass spectrum of derivatized drugs are relatively rare. Consequently, many spectra included in

this volume have not been confirmed and are spectra which in our best judgment represent those of a particular derivatized drug. Such efforts were often complicated by the fact that many drugs have multiple sites available for which derivatization may occur. The correctness of some of the spectra represented herein may therefore have to stand the test of time. A *caveat emptor* admonition to the user may be appropriate. As with many works of this kind, errors of commission or omission are usually unavoidable. We would be grateful if such errors could be brought to our attention so they might be corrected in future editions. For the less commonly encountered drugs, acetic and trifluoracetic anhydrides were the derivatizing reagents most often employed. However, commonly found drugs were derivatized, or at least derivatization was attempted, with a variety of derivatizing reagents. When a drug had multiple sites available for derivatization, the most acidic proton was considered to have been replaced first by the derivatizing reagent, with the second most acidic proton being replaced next, and so on. Thus, carboxylic acid groups are derivatized (if stable) before phenolic groups, phenols are derivatized before amino groups, and amines are derivatized before hydroxyl groups. Even so, some drugs gave derivatives of uncertain or unknown structures. These are noted where applicable. When a drug yielded more than one derivative from the same reagent, usually the mass spectrum of the most abundant derivative is shown. Exceptions to this are such commonly encountered drugs as morphine, amphetamine, ephedrine, etc. Some drugs yielded almost an equal amount of mono- and di-derivatives. In these cases, both spectra are included.

Rather than referring to the derivatized drugs by their sometimes complex and often cumbersome chemical names, we have elected to refer to them simply as their derivative. Thus, acetylated codeine would be referred to as "codeine, acetyl derivative". Also, if the drug is capable of being derivatized more than once by the same derivatizing reagent, the derivative is referred to simply as its "mono-", "di-" or tri-" derivative, as the case may be. Thus, the trifluoroacetylated derivative of the phenolic group of morphine would be referred to simply as "morphine, mono-TFA derivative". Since it is capable of being derivatized twice, the name "morphine, di-TFA derivative" refers to when both the phenolic and hydroxyl groups are derivatized.

The mass spectra data for the derivatized drugs can be found in Volume 5.

Procedures

The procedures for derivatization using the various anhydrides and silylation reagents basically involved the combining of approximately 100 micrograms of drug with 200 microliters of reagent in a 1 milliliter Reacti-Vial (Pierce Chemical Company). The vial was capped and placed in a 60° C water bath for approximately 30 minutes, after which the reagent was taken to dryness using a gentle stream of nitrogen. Approximately 200 microliters of methylene chloride was added to each vial and 1 to 2 microliters injected into the gas chromatograph/mass spectrometer (GC/MS). The temperature program employed was an initial temperature of 80° C, holding for 1 minute, than ramping up to 120° C at 50° C per minute and holding for 0 minutes. The temperature was then ramped to 285° C at 20° C per minute with a final hold time of 12 minutes for a total run time of 22 minutes. The analytical column employed was a 25 meter Hewlett-Packard HP-1 having an inside diameter of 0.32 millimeters and a film thickness of 0.52 microns. The drugs were scanned from 40 amu to 800 amu using a splitless injection on a Model 5988A Hewlett-Packard GC/MS instrument in the electron impact mode (70 EV).

For the TMAH alkylation procedure, 100 micrograms of drug were combined with 200 microliters of a 50/50 mixture of dimethyl sulfoxide and 0.2*M* TMAH in methanol and 100 microliters of the appropriate alkyl halide. The mixture was allowed to stand at room temperature for 4 minutes and then heated for 4 to 6 minutes in a 60° C water bath. After the mixture was allowed to cool to room temperature, 3 milliliters of hexanes were added, vortexed briefly, and then 1 milliliter of 0.1 *N* potassium hydroxide was added and vortexed once again. After centrifugation, the top hexanes layer was transferred to a clean test tube and the hexanes layer was concentrated to approximately 200 microliters. Approximately 1 to 2 microliters were injected into the GC/MS instrument using the conditions described above.

Abbreviations

The abbreviations used are as follows: TMAH = trimethylanilinium hydroxide, BuI = 1-iodobutane, PrI = 1-iodopropane, EtI = iodoethane, MeI = methyl iodide, AA = acetic anhydride, HFB – heptafluorobutyrl, HFBA = Heptafluorobutyric anhydride, TFA = trifluoroacetyl, TFAA = trifluoracetic anhydride, PFP = pentafluorpropanyl, PFPA = pentfluoropripionic anhydride, BSTFA = N, O-*bis* (timethylsilyl trifluoroacetamide), MSTFA = N-methyl-N-trimethylsilytrifluoroacetamide, MBTFA = N-methyl-*bis* (trifluoroacetamide), TMCS = trimethylchlorosilane, TFAP = (S_-(-)-N(trifluoroacetyl) prolyl, PBA = phenylboronic acid, and CB Chloride = 4-carbethoxyhexafluorobutyryl chloride.

Acknowledgments

The authors gratefully acknowledge Cecil Hornbeck of the Navy Drug Screening Laboratory, San Diego, California for his generous contribution of the CB derivatives.

HIGH PRESSURE LIQUID CHROMATOGRAPHY

High pressure liquid chromatography was carried out on an HP 1090 Series II liquid chromatograph with the Chemstation and diode array detector. On-the-fly ultraviolet spectra were taken to verify the identity of the peaks used to generate the retention time data presented here. A Hewlett-Packard 4.6 by 100 mm column containing 5 micron ODS Hypersil was used with the corresponding Brownlee Newguard precolumn. The flow rate was either 0.5/min with a column "Dead Volume" of 1.5 ml or 1 ml/min with a column "dead volume" of 0.75 ml. The following solvents were used:

Solvent A: Fisher Optima grade methanol and ethanol.
Solvent B: aqueous 0.01M KH_2PO_4 with sufficient 85% phosphoric acid to make the pH=3.5.
Solvent C: aqueous 0.01M KH_2PO_4 with 30 drops/liter of reagent grade Fisher triethylamine. The pH was 7.

The KH2PO4 and phosphoric acid were ACS grade chemicals from Fisher Scientific Company. Data are presented as ratios of solvent used followed by retention times in minutes.

ULTRAVIOLET SPECTROPHOTOMETRY

The absorption spectra were obtained with a Hewlett-Packard 8451A or 8453 diode array spectrophotometer and plotted as a wavelength versus transmittance from 220 nm to 340 nm. Sample solutions were prepared by dissolving an appropriate amount of chemical into the proper solvent. In the printed spectrum, the solvent solutions are represented by a solid line for the 0.2N H2SO4 solution and by a dashed line for a strongly basic solution**.** A few of the acid solutions were prepared as 0.1N HCL. A dotted line represents ethanolic solutions. Fisher-brand Suprasil ultraviolet cells were used for the sample solutions. The solutions were made basic by the addition of several drops of concentrated sodium hydroxide solution.

A listing of compounds with their respective UV maxima values can be found in Appendix D in Volume 6 of *IDDA*.

NUCLEAR MAGNETIC RESONANCE SPECTROMETRY

The proton nuclear magnetic spectra were recorded on a General Electric QE-300 Superconducting FTNMR spectrometer or a Bruker Ultrashield 330 MHz FTNMR spectrometer. Both instruments were operating at 300 MHz. This NMR spectrometer is equipped with a 70.5 KG NB-Ti superconducting magnet, a magnet bore of 44 mm and a dual $^{1}H/\ ^{13}C$ 5-mm probe.

Samples were prepared by dissolving the compound in the appropriate solvent (Aldrich deuterochloroform 99.5% containing 0.039% TMS unless otherwise noted on the NMR spectrum). Where possible, the sample concentration was maintained at a level judged to be the best compromise between solute interactions and instrument response. In some instances, low solubility or low sample concentration (less than 5 mg of compound was available in some instances) has resulted in spectra showing high noise level or trace contamination. All spectra were observed at a constant thermostated probe temperature. Sample solutions were equilibrated to the probe temperature before the spectra were recorded. Using the QE-300, most spectra were recorded at a spinning rate of 15 to 25 rps, 32 acquisitions with quadrature phase detection, observed frequency of 300.151851 MHz, spectral width of 6024 Hz, 32768 data size resolution, no line broading, and a pulse width of 2.33 sec (30°). Using the Bruker 330, most spectra were recorded with 16 acquisitions. Rest of the Bruker parameters are DS2, SWH 6172.839 Hz, FID resolution of 0.094190 Hz, AQ 5.3084660 sec, RG 57, DW 81 mcsec, DE 6.00 mcsec, TE 300.0K, and D1 of 1.0000000 seconds. Most spectra include 0.03% TMS as a reference. Precautions were taken in handling all NMR solvents to minimize contamination with atmospheric moisture.

Spectra of the various Aldrich NMR solvents used can be found in Appendix A in Volume 6 of *IDDA***.**

INFRARED SPECTROPHOTOMETRY

Most of the infrared spectra were produced using a Nicolet 170SX Fourier transform infrared spectrometer. This infrared spectrometer is equipped with a laser-referenced Michelson interferometer with an absolute wavenumber accuracy specified better than ± 0.01 cm^{-1}.

The constant spectral resolution was kept at 4 cm^{-1} by collecting 64 one-second scans (4096 data points/scan). Because the FTIR spectrometer is a single beam instrument, some of the spectra may have small absorption bands due to CO_2 present in the sample chamber when the data was collected. This doublet can be found at 2360 cm^{-1} and 2340 cm^{-1}.

Unless otherwise stated, the compounds were prepared for spectral analysis by using potassium bromide (KBr) pellets. The KBr powder was oven dried and then kept in a desiccator. Every effort was made to remove water, however, many times both the sample as well as the KBr was hygroscopic, and water bands may have appeared in some of the spectra. It must be noted that spectra reproducibility may be difficult to regulate without careful weighing of both the KBr and the sample. In addition, there may be KBr interactions with the sample, especially amine compounds. Although these complications exist, KBr pellets generally give much better resolution than other techniques. In most cases, each spectrum was expanded to give full-scale presentation of the data. Representative peaks as listed on each spectrum are intended to aid the user. They were determined by a Peak-Picker Program and should be used only for approximate values. A cumulative index of the infrared spectra, sorted by prominent peaks identified by a computer program can be located in APPENDIX E in Volume 6.

RAMAN SPECTROSCOPY

The Raman spectra were collected on a Thermo Nicolet FT-Raman 960 spectrometer with a 1064 nm $NdYVO_4$ excitation laser and a cryogenic germanium detector. All spectra were collected with 16 scans at 4-wavenumber resolution. The raw data comes from the Stokes band of Raman scattering observed from 9294 nm-5693 nm with a 1064 nm excitation laser. The data is then shifted into wavenumbers relative to the excitation laser.

The collection of Raman spectra can be found in Volume 5.

GAS CHROMATOGRAPHY/INFRARED SPECTROSCOPY

All gas chromatography/Fourier transform infrared spectra (GC/FTIR) were obtained using a Hewlett-Packard 5965B IRD in combination with a Hewlett-Packard 5970 MSD. Samples were introduced into the system via a Hewlett-Packard 5890 gas chromatograph using He as a carrier gas. Temperature programming was used ranging from 80° C to 320° C. The column was a DB5MS 0.32 mm column in the IRD and a DB5MS 0.2 mm column in the MSD. All GC/FTIR spectra were verified by their corresponding mass spectra. This collection of GC/FTIR spectra can be located in Volume 5. The GC/FTIR spectra were collected by the Pinellas County Forensic Laboratory in Largo, Florida, and by the Denver Police Department Crime Laboratory Bureau in Denver, Colorado.

Volume I

Drug Data

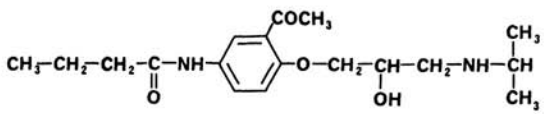
Acebutolol – Dapsone

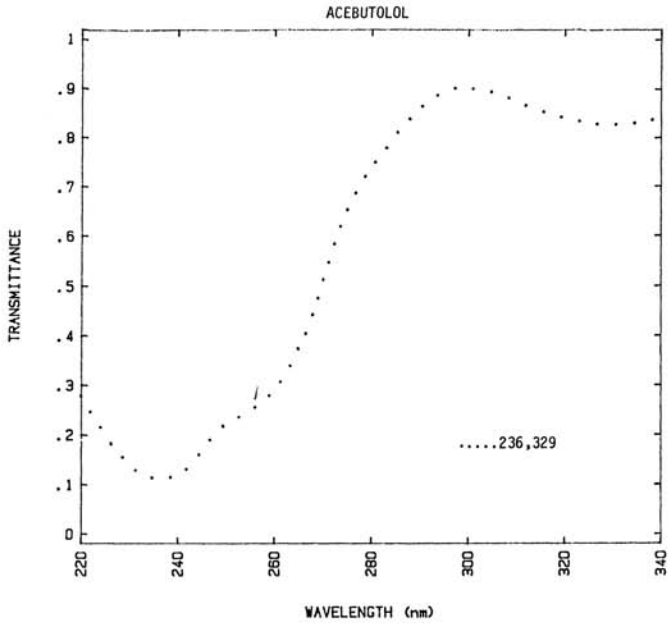
ACEBUTOLOL

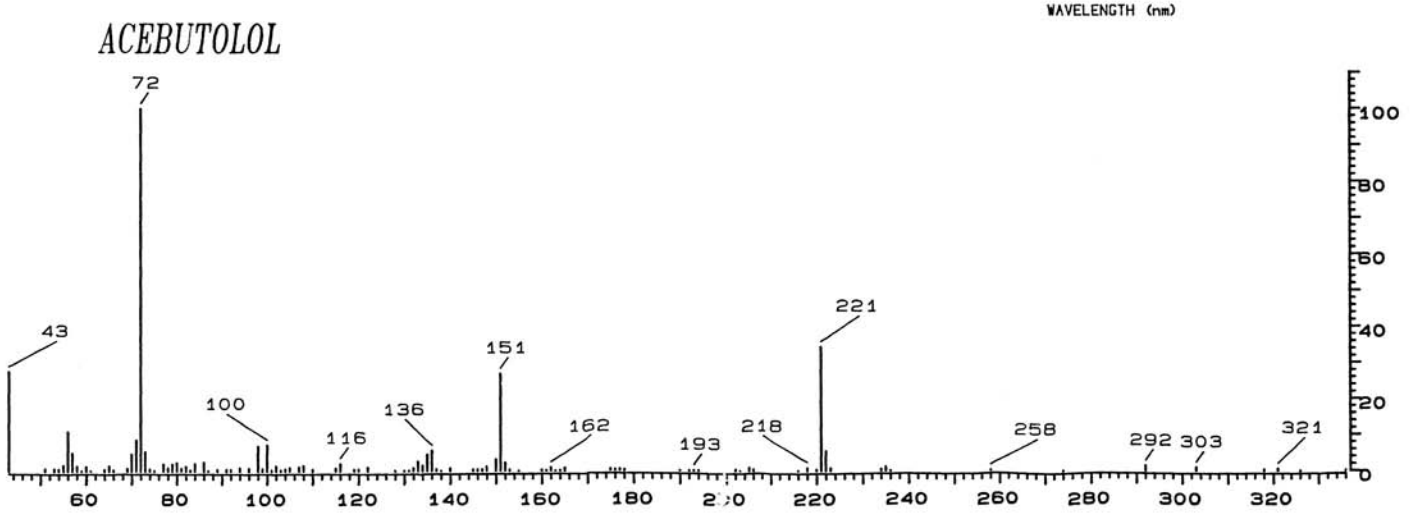
$C_{18}H_{28}N_2O_4$

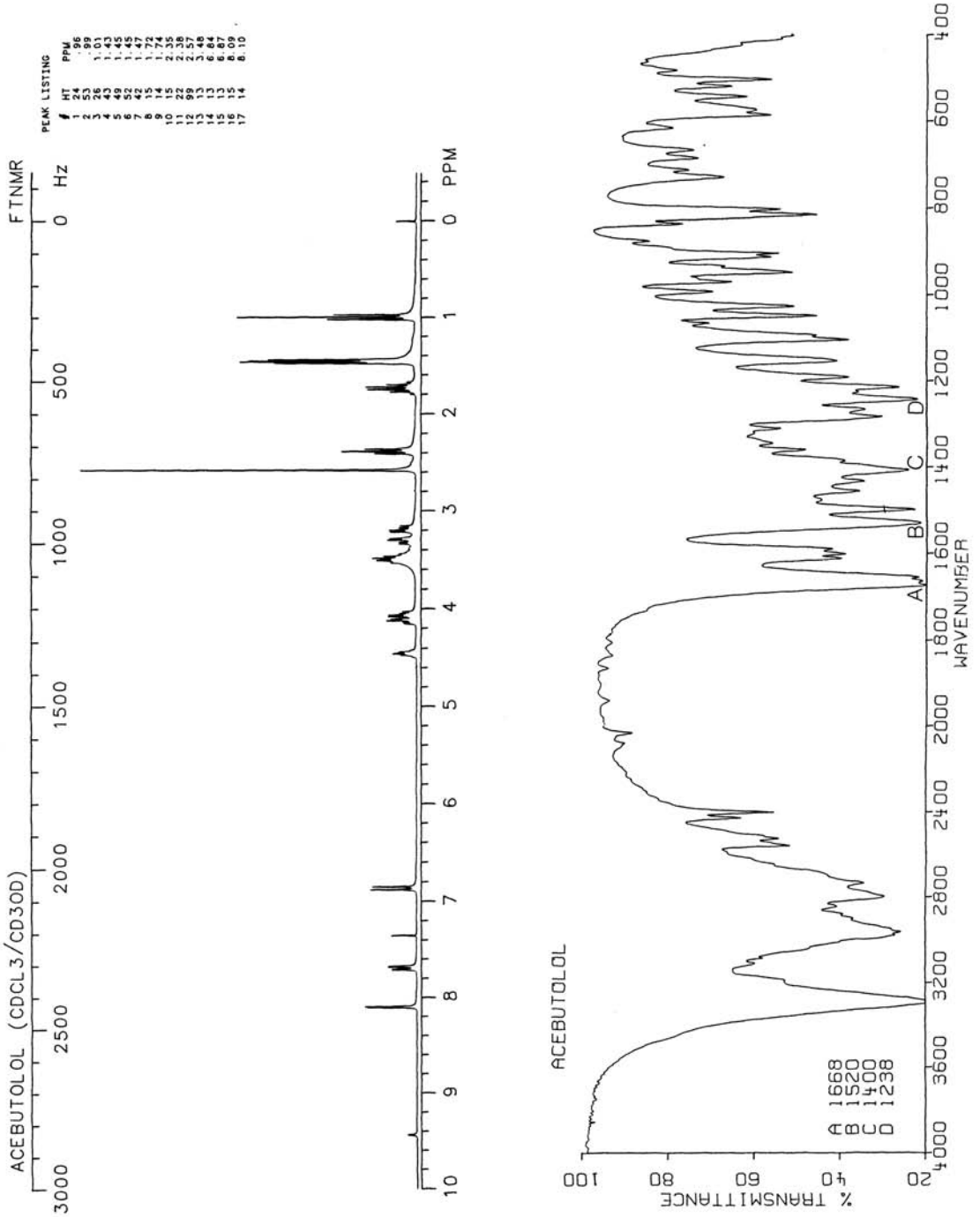
Molecular weight: 336.43 (336.21)
Synonyms: N-[3-acetyl-4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-phenyl]butanamide
Trade names: Neptall, Prent, Secadrex, Sectral

Use: Beta-Adrenergic blocker
HPLC: Si-10; 20A:80B; 7.9
GC: 2185; 250°C





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FTNMR
PEAK LISTING
HT PPM
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2 53 .99
3 26 1.01
4 40 1.43
5 52 1.45
6 42 1.47
7 15 1.72
8 14 1.74
9 15 2.35
10 22 2.36
11 99 2.57
12 13 3.46
13 13 6.84
14 13 6.87
15 15 8.09
16 14 8.10
17
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ACEBUTOLOL
A 1668
B 1520
C 1400
D 1238
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

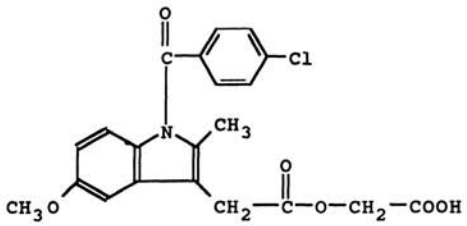
ACEMETACIN

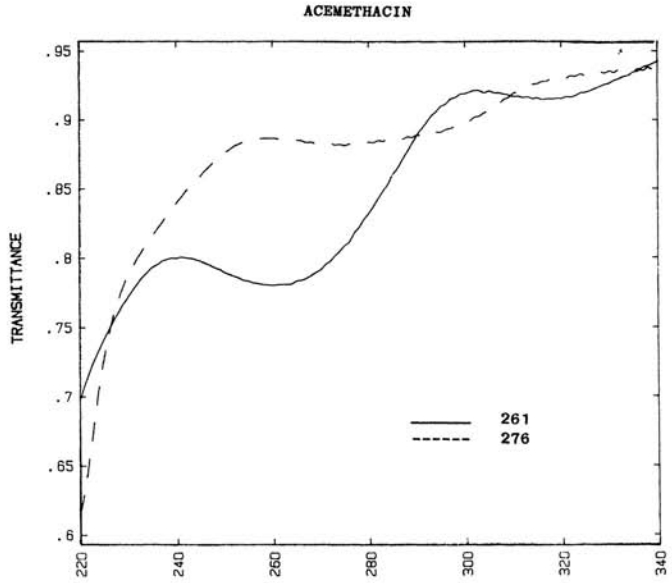
$C_{21}H_{18}ClNO_6$

Molecular weight: 415.91 (415.08)

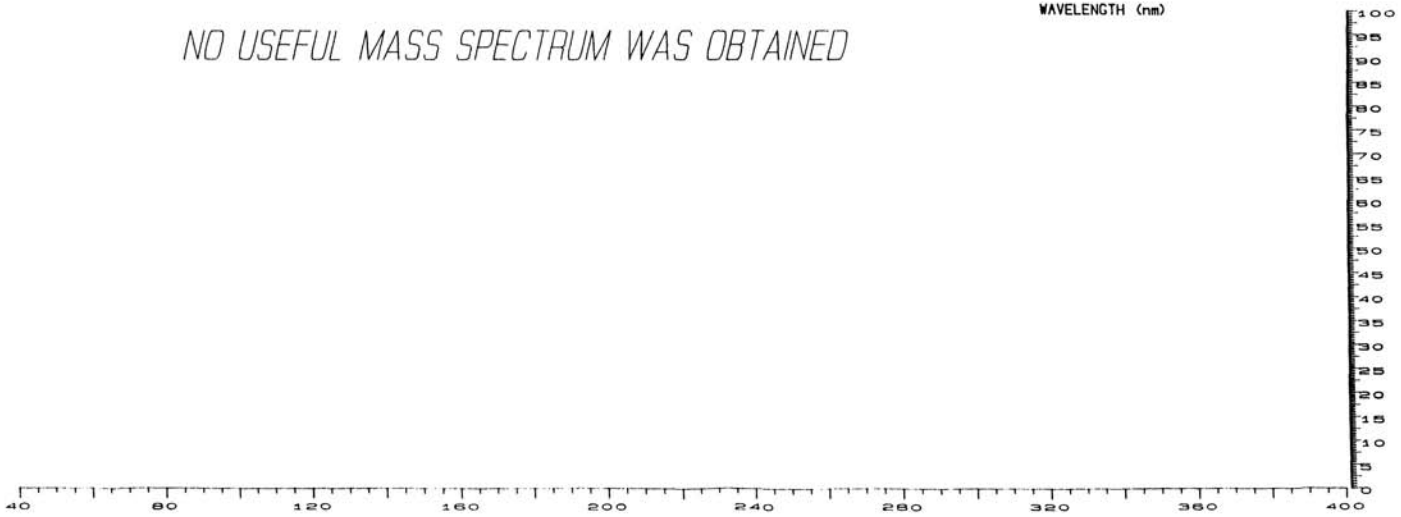
Synonyms: 1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetic acid carboxymethyl ester
Trade names: Acemix, Rantudil, Rheumibis

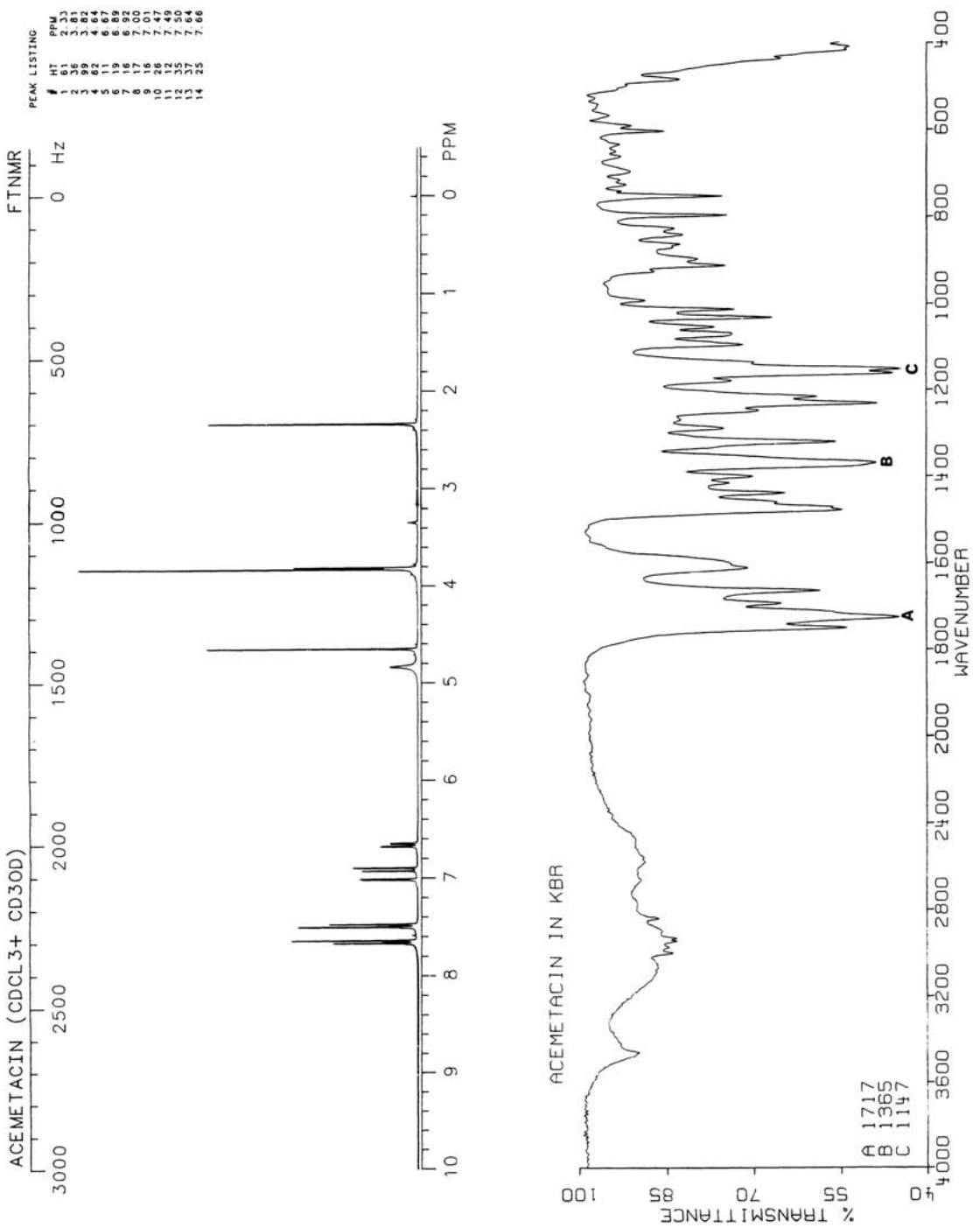
Use: Anti-inflammatory
HPLC: 50A:50C; 9.6
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




ACEMETACIN (CDCL3+ CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 61 2.33
2 36 3.81
3 69 3.82
4 62 4.64
5 11 6.67
6 19 6.89
7 16 6.92
8 17 7.00
9 16 7.01
10 16 7.47
11 12 7.49
12 35 7.50
13 37 7.64
14 25 7.66
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ACEMETACIN IN KBR
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1717
B 1365
C 1147
A
B
C

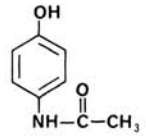
ACETAMINOPHEN

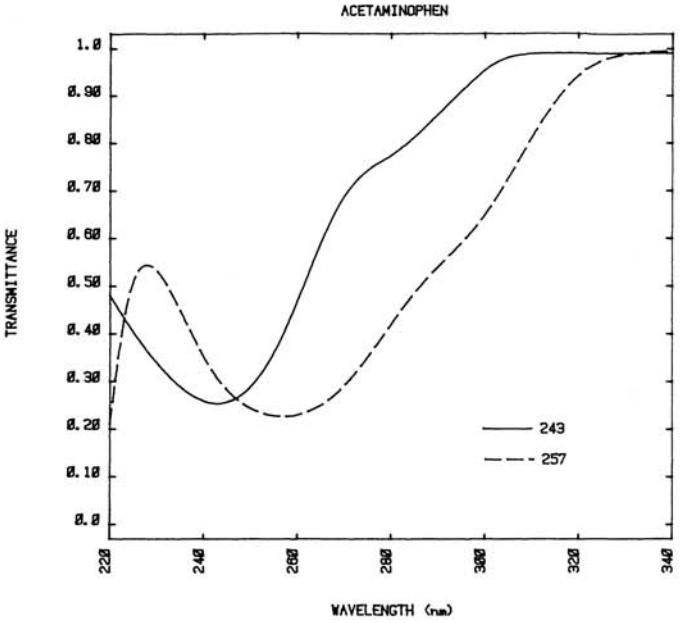
$C_8H_9NO_2$

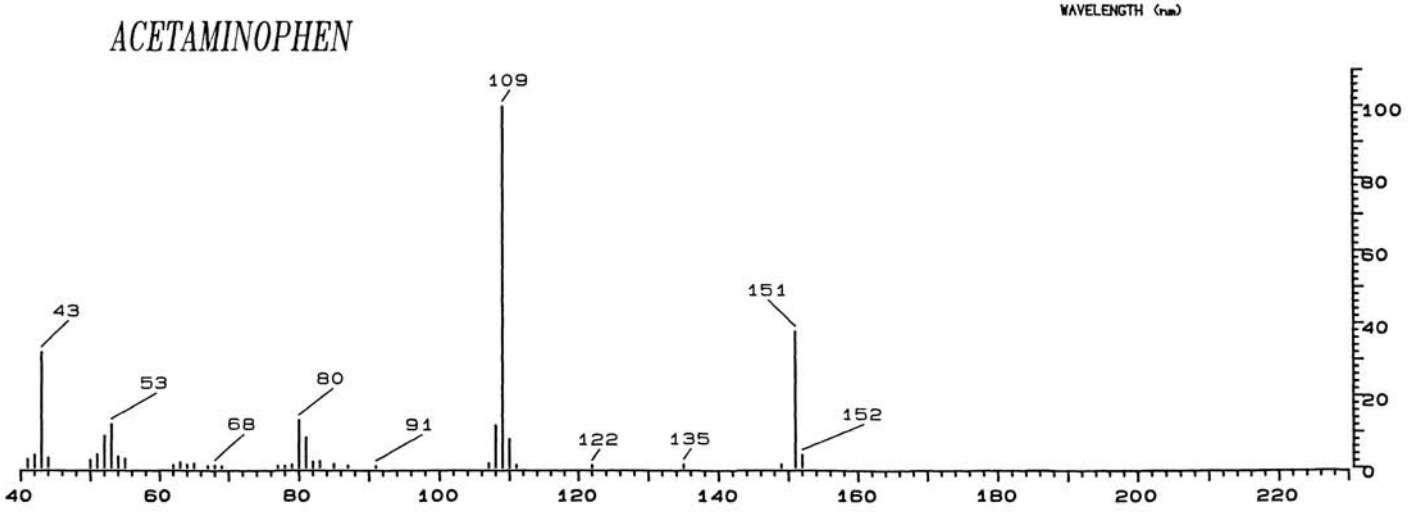
Molecular weight: 151.16 (151.06)
Synonyms: N-(4-Hydroxyphenyl)acetamide; paracetamol

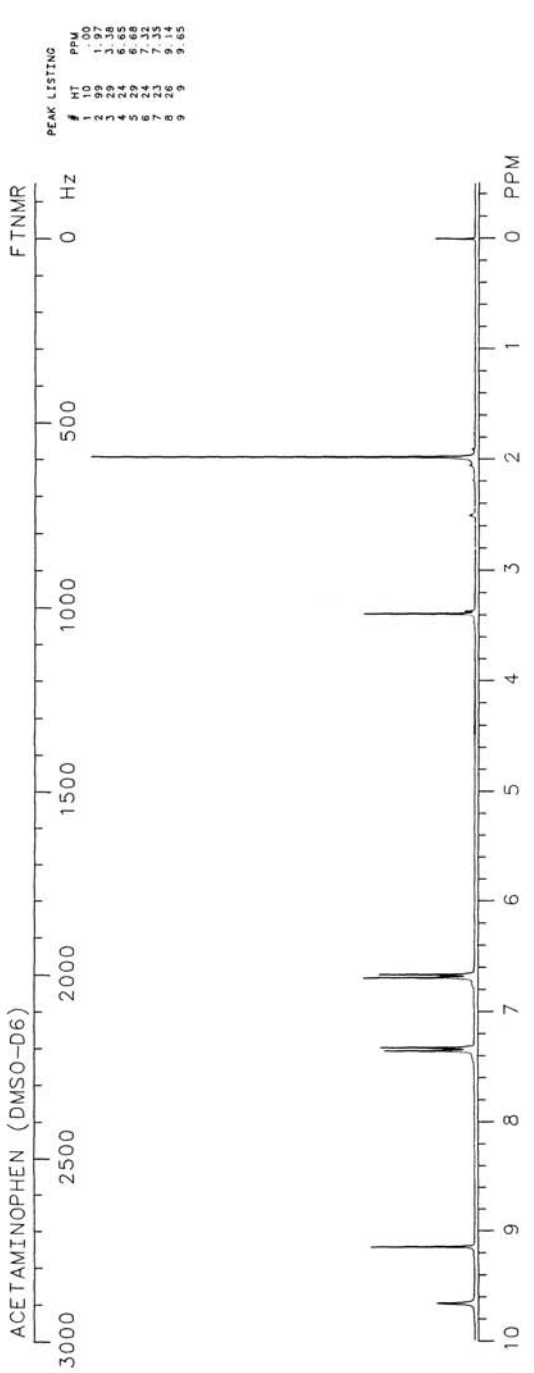
Trade names: Tylenol, Datril, APAP

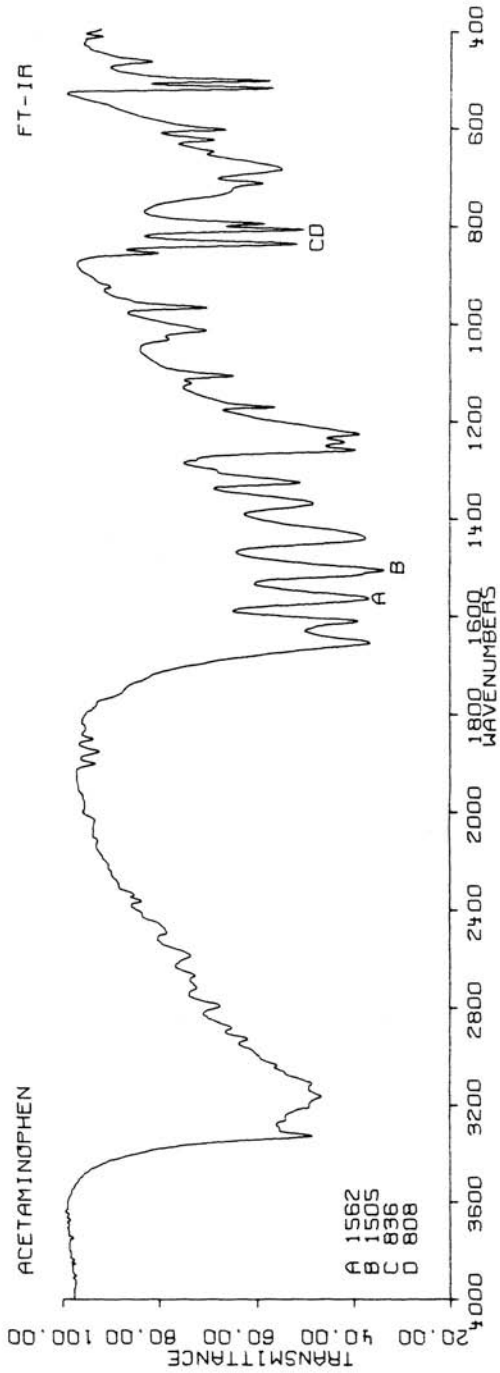
Use: Analgesic, antipyretic
HPLC: Si-10; 5A:95B; 5.5
GC: 1768; 200°C








FTNMR
ACETAMINOPHEN (DMSO-D6)
PEAK LISTING
HT PPM
1 10 .00
2 99 1.97
3 29 3.38
4 24 6.65
5 29 6.68
6 24 7.32
7 23 7.35
8 26 9.14
9 9 9.65
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
ACETAMINOPHEN
A 1562
B 1505
C 836
D 808
A
B
CD
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

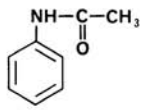
ACETANILIDE

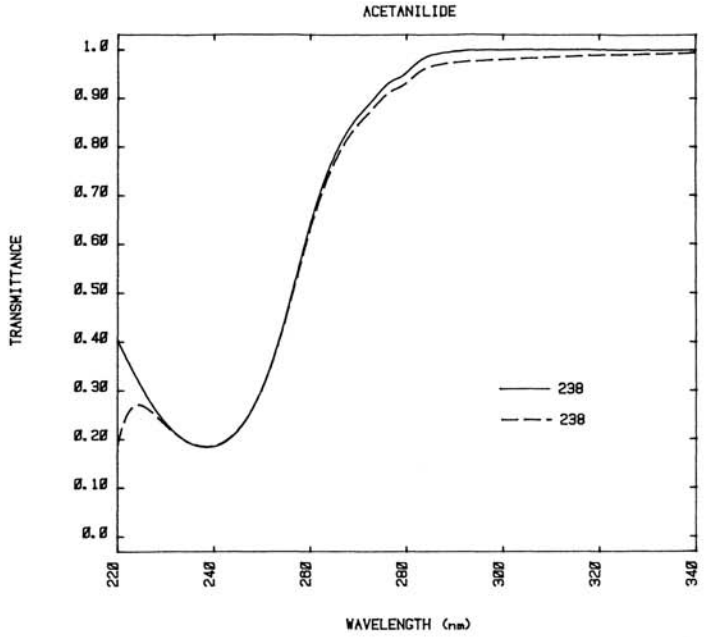
C_8H_9NO

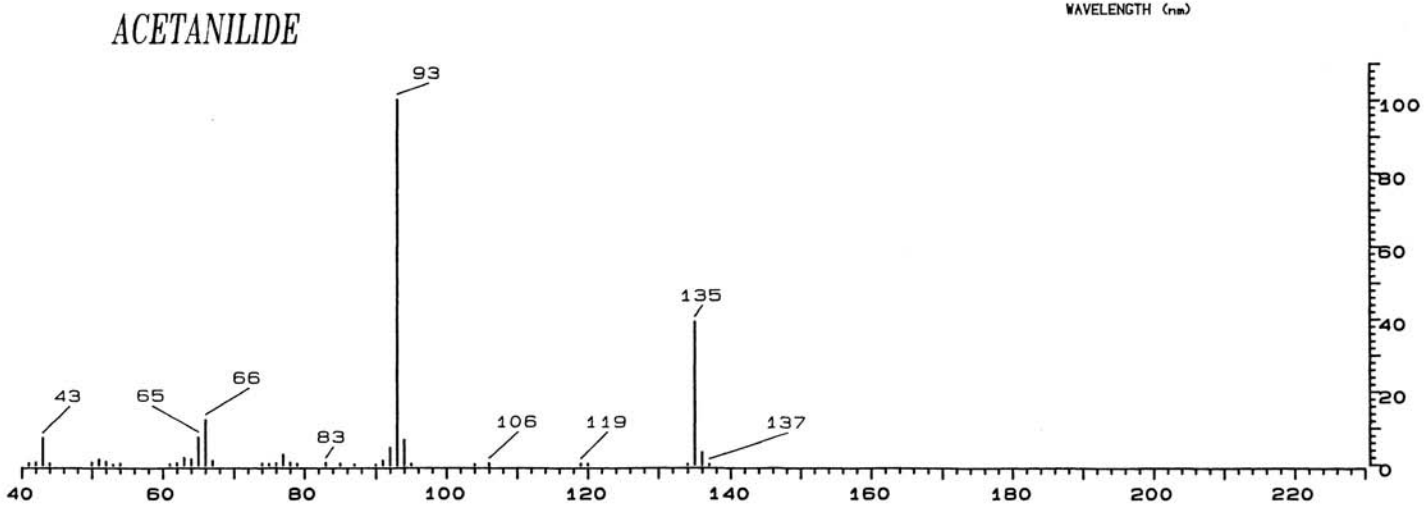
Molecular weight: 135.17 (135.07)
Synonyms: N-Phenylacetamide; acetylaminobenzene

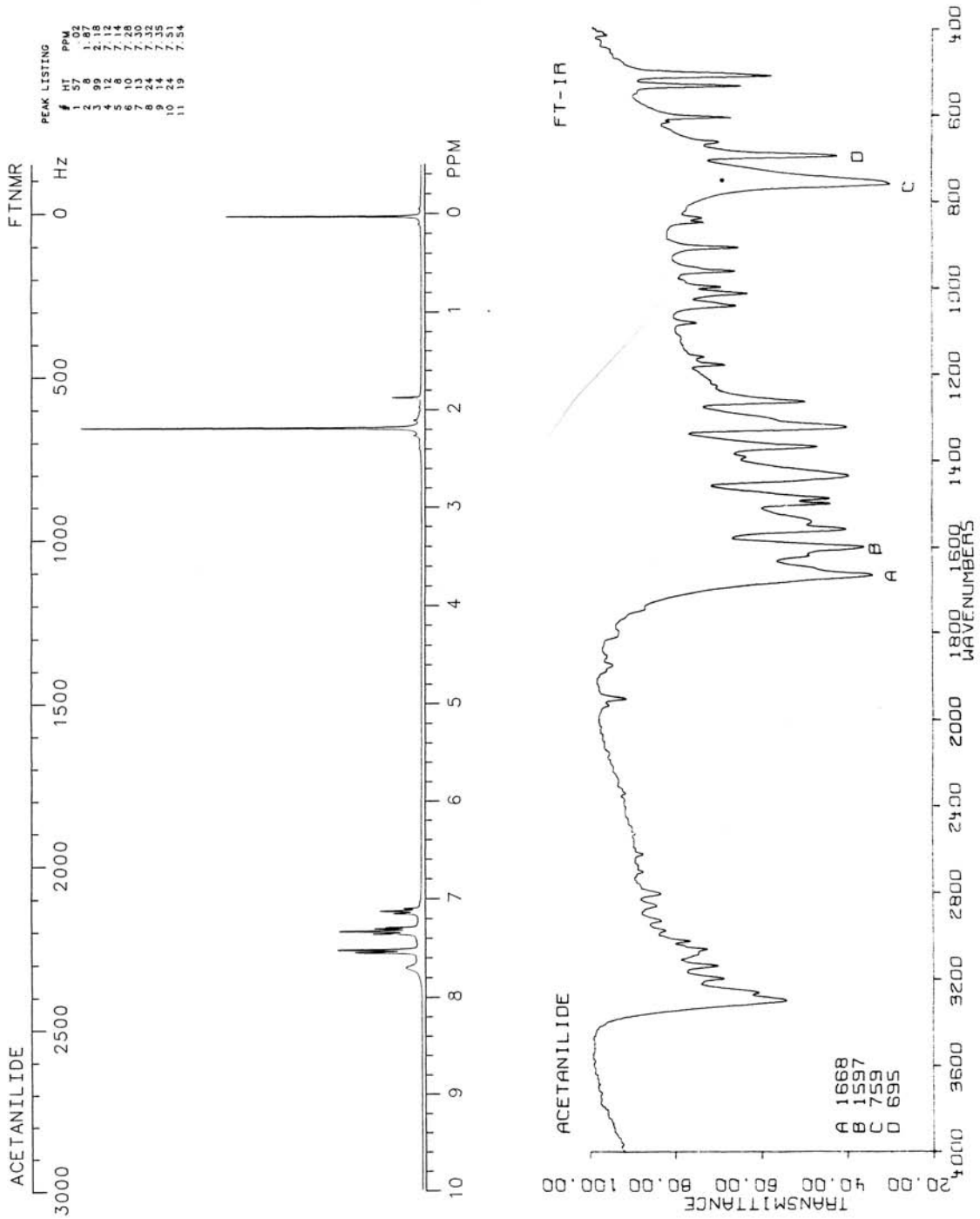
Trade names:

Use: Antipyretic, analgesic
HPLC: Si-10; 2A:98B; 5.0
GC: 1404; 140°C







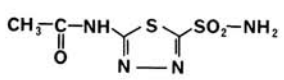

ACETANILIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 57 7.62
2 8 1.87
3 99 2.18
4 12 7.12
5 8 7.14
6 10 7.28
7 13 7.30
8 24 7.32
9 14 7.35
10 24 7.51
11 19 7.54
10 9 8 7 6 5 4 3 2 1 0 PPM
ACETANILIDE
FT-IR
A 1668
B 1597
C 759
D 695
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

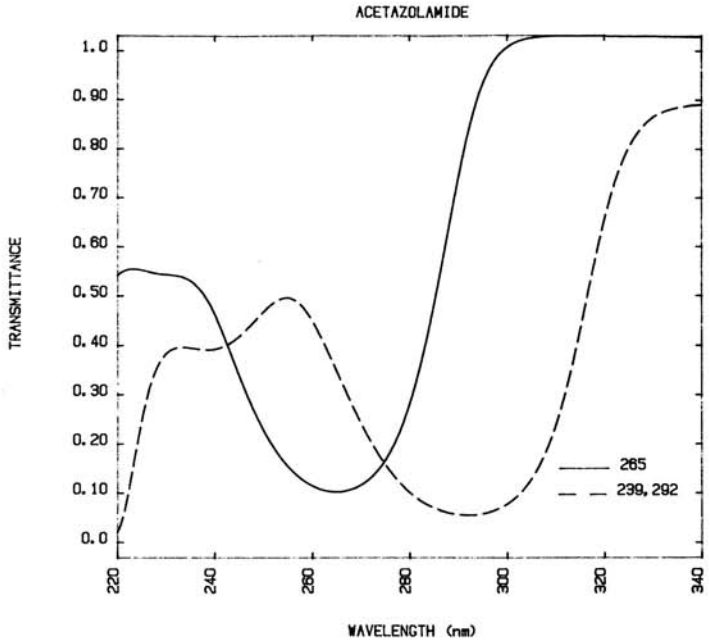
ACETAZOLAMIDE

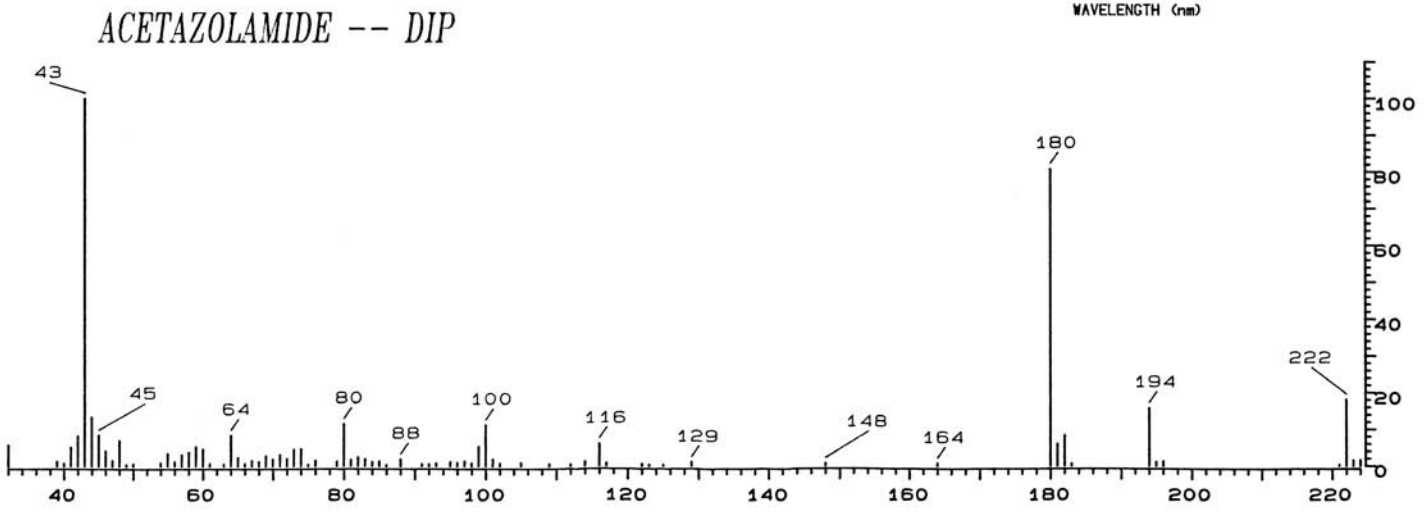
$C_4H_6N_4O_3S_2$

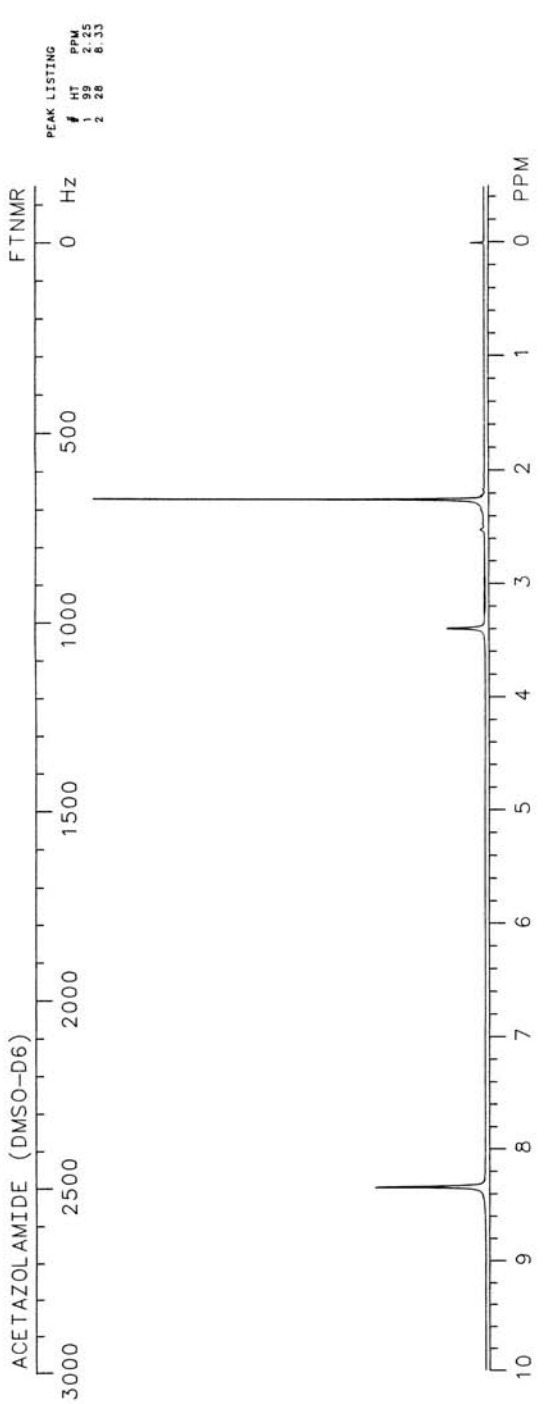
Molecular weight: 222.24 (221.99)
Synonyms: N-[5-(Aminosulfonyl)-1,3,4-thia-diazol-2-yl]acetamide;
acetazoleamide
Trade names: Acetazolamide, Diamox

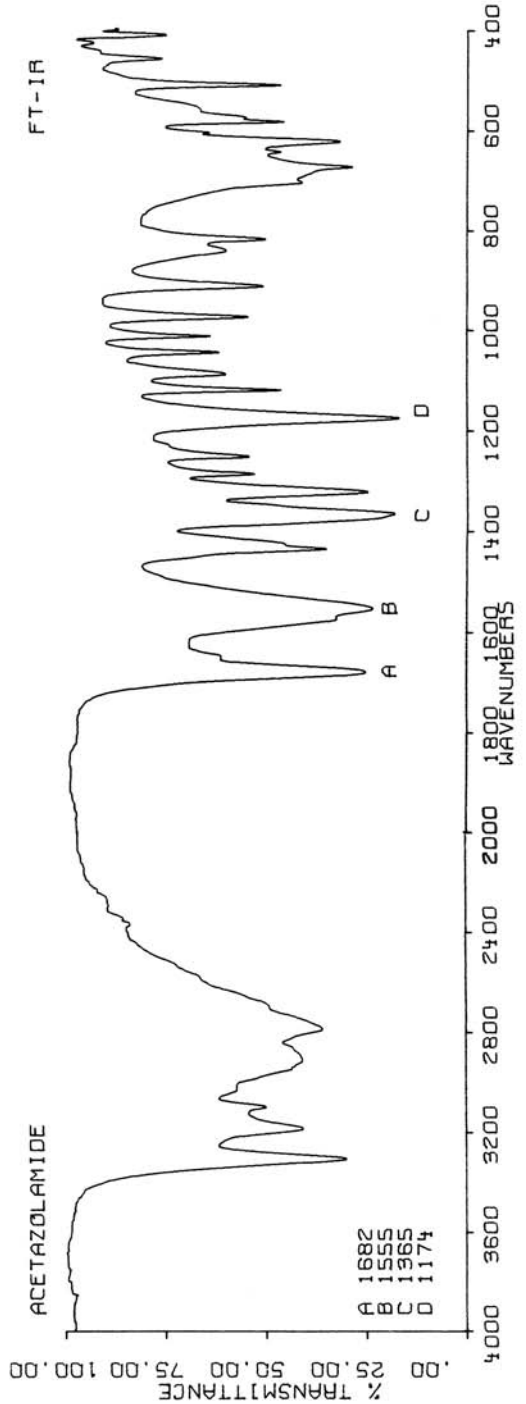
Use: Diuretic
HPLC: Si-10; 20A;80B; 4.2
GC:








ACETAZOLAMIDE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 99 2.25
2 28 8.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
ACETAZOLAMIDE
A 1682
B 1555
C 1365
D 1174
A B C D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

ACETHYDRAZIDE

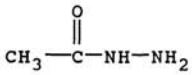
$C_2H_6N_2O$

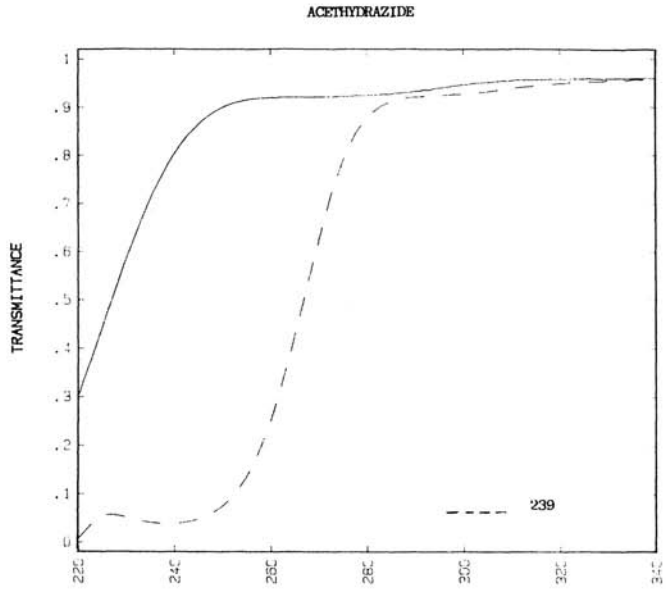
Molecular weight: 74.08 (74.05)

Synonyms:

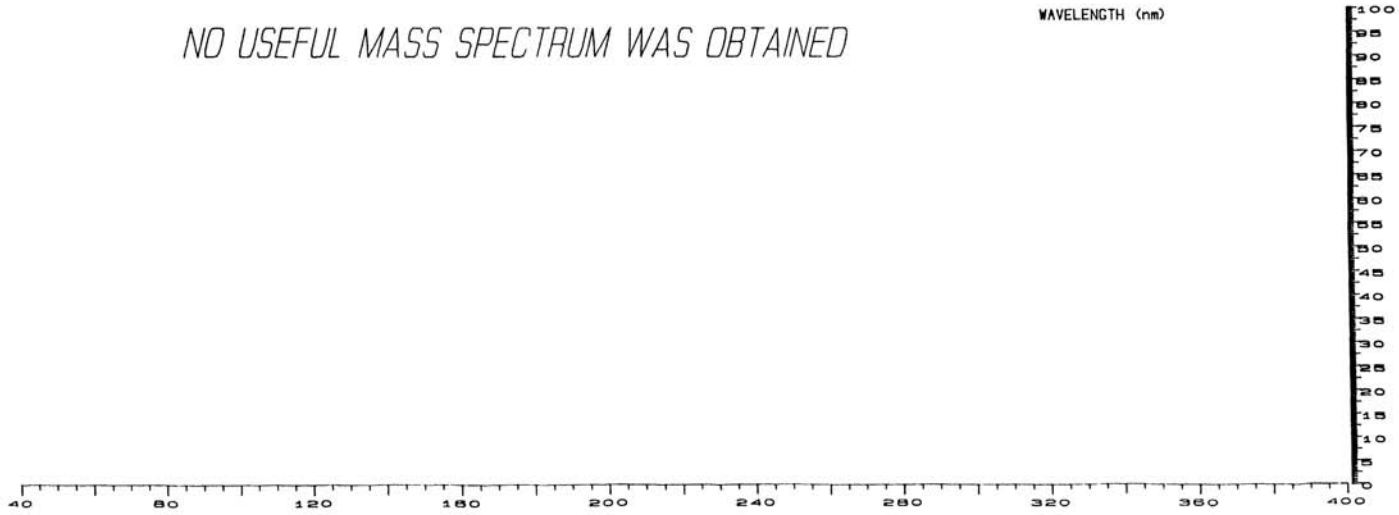
Trade names:

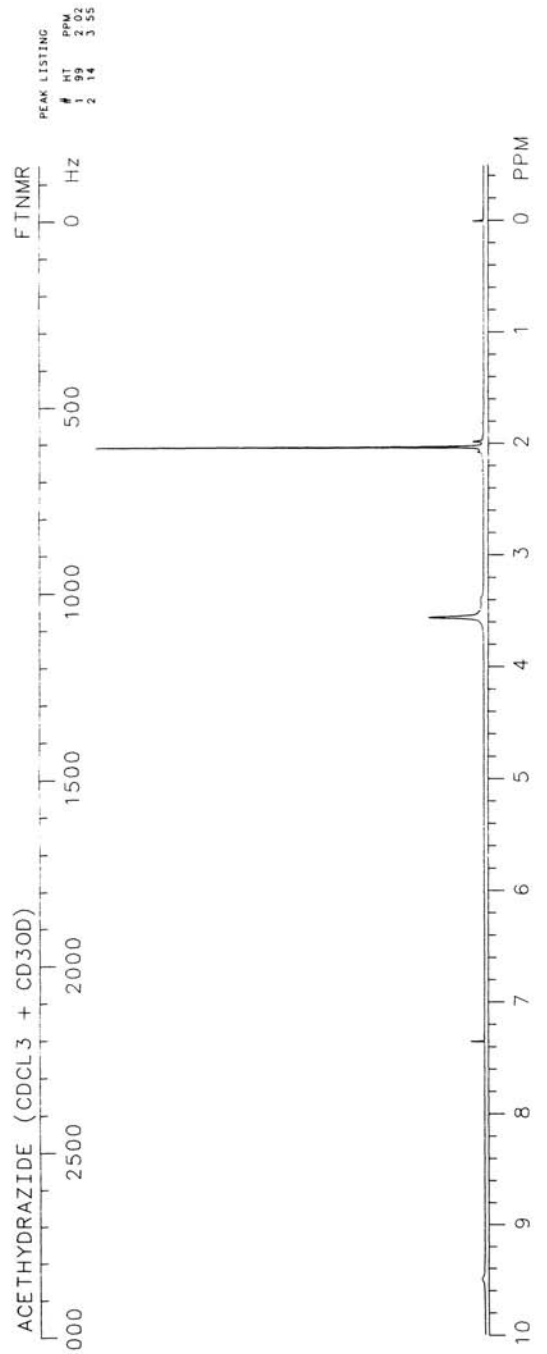
Use: Metabolite of isoniazid
HPLC: 50A:50C; 1.2
GC: 1167; 140°

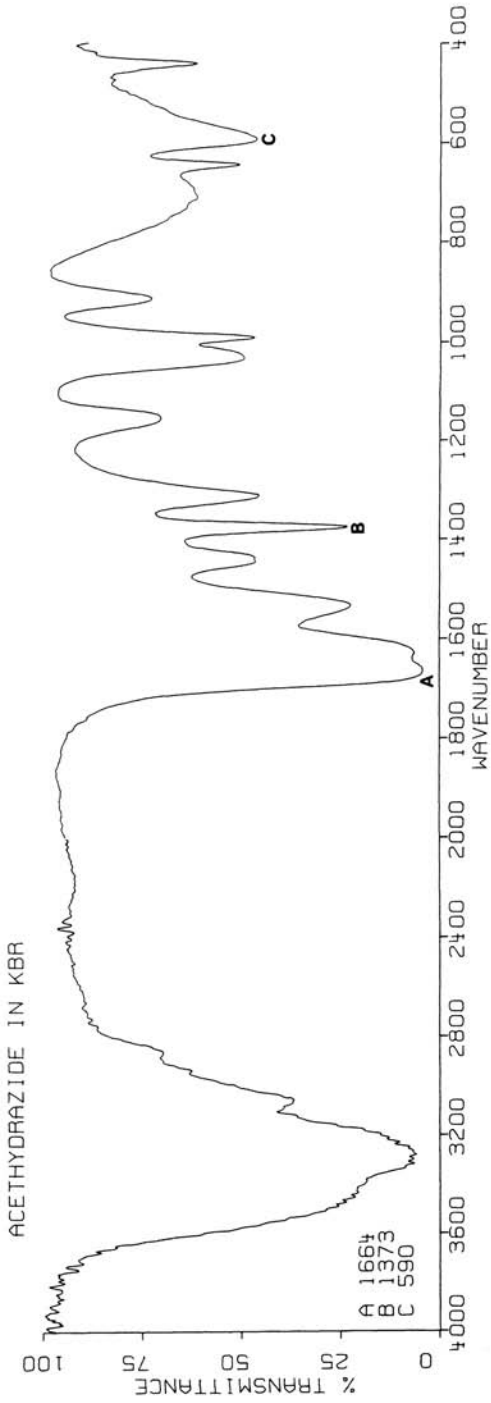




NO USEFUL MASS SPECTRUM WAS OBTAINED




ACETHYDRAZIDE (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HZ PPM
1 99 2.02
2 14 3.55
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


ACETHYDRAZIDE IN KBR
A 1664
B 1373
C 590
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

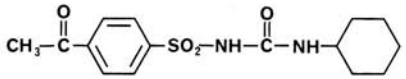
ACETOHEXAMIDE

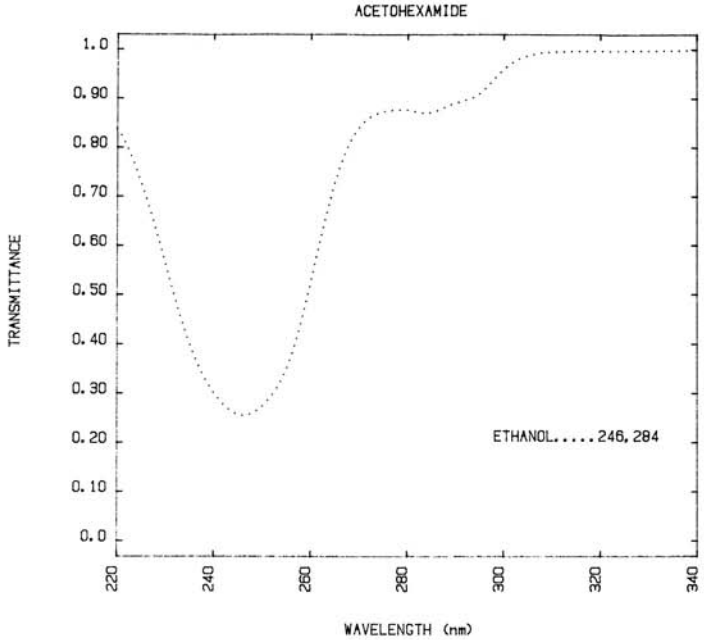
$C_{15}H_{20}N_2O_4S$

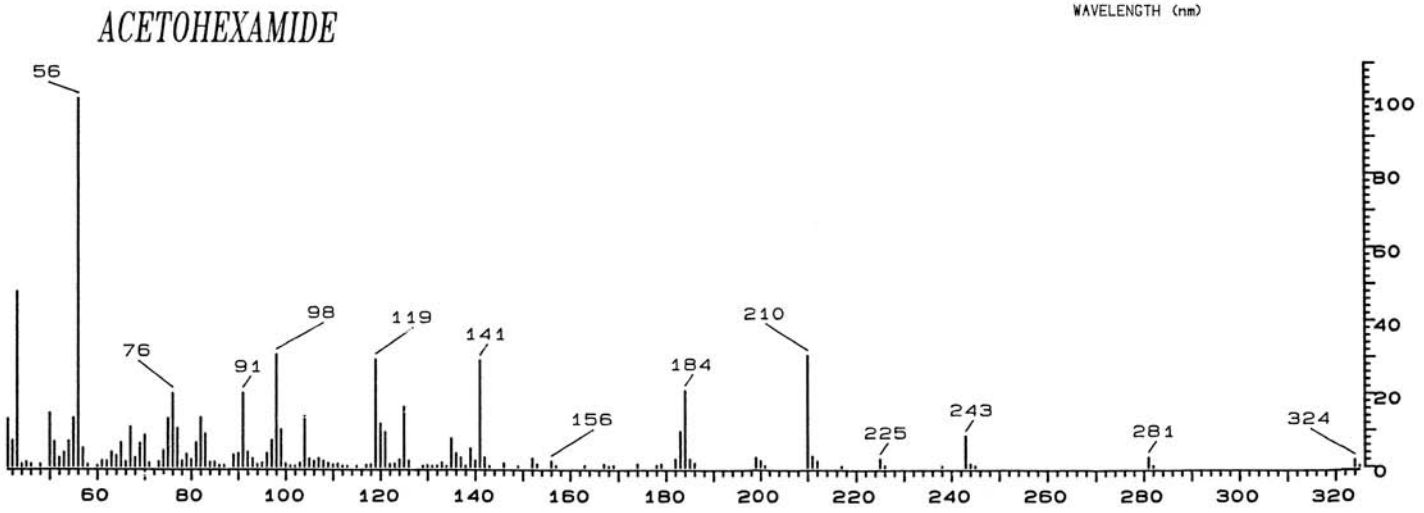
Molecular weight: 324.39 (324.11)
Synonyms: 4-Acetyl-N-[(cyclohexylamino)carbonyl]benzenesulfonamide

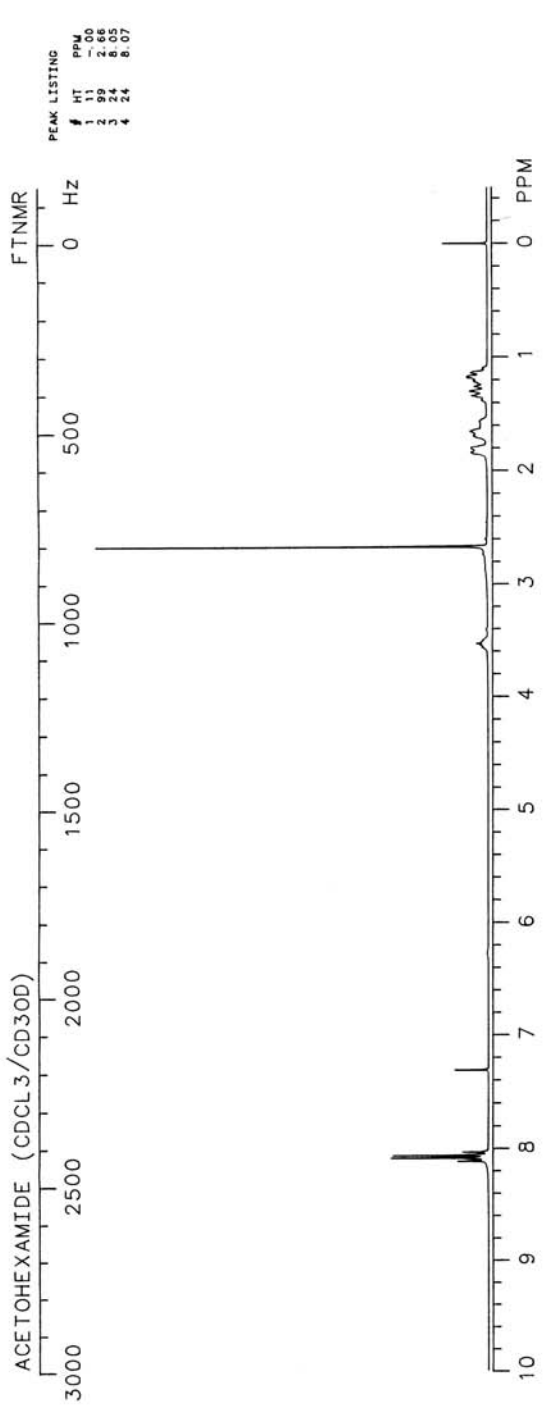
Trade names: Dymelor

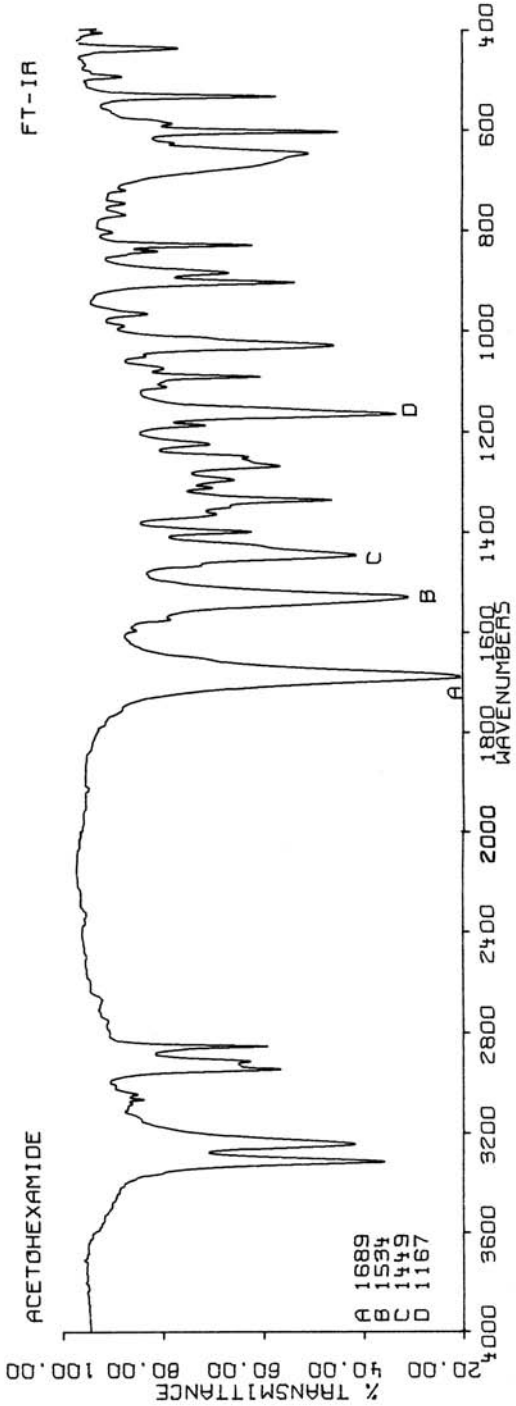
Use: Hypoglycemic
HPLC: Si-10; 5A:95B; 6.0
GC:








ACETOHEXAMIDE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 11 -.00
2 99 2.66
3 24 8.05
4 24 8.07


ACETOHEXAMIDE
FT-IR
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1689
B 1534
C 1449
D 1167
A
B
C
D

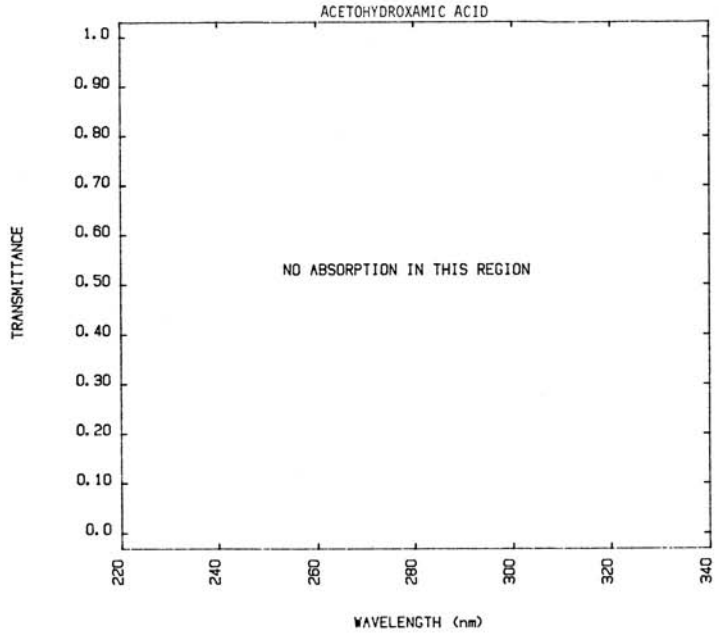
ACETOHYDROXAMIC ACID

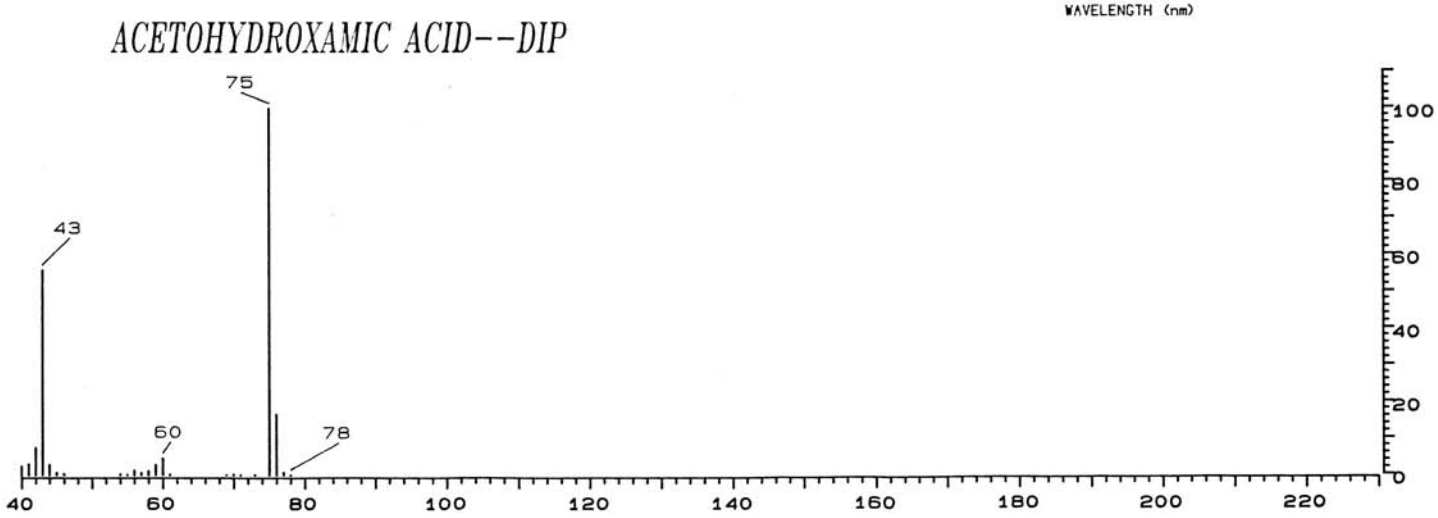
$C_2H_5NO_2$

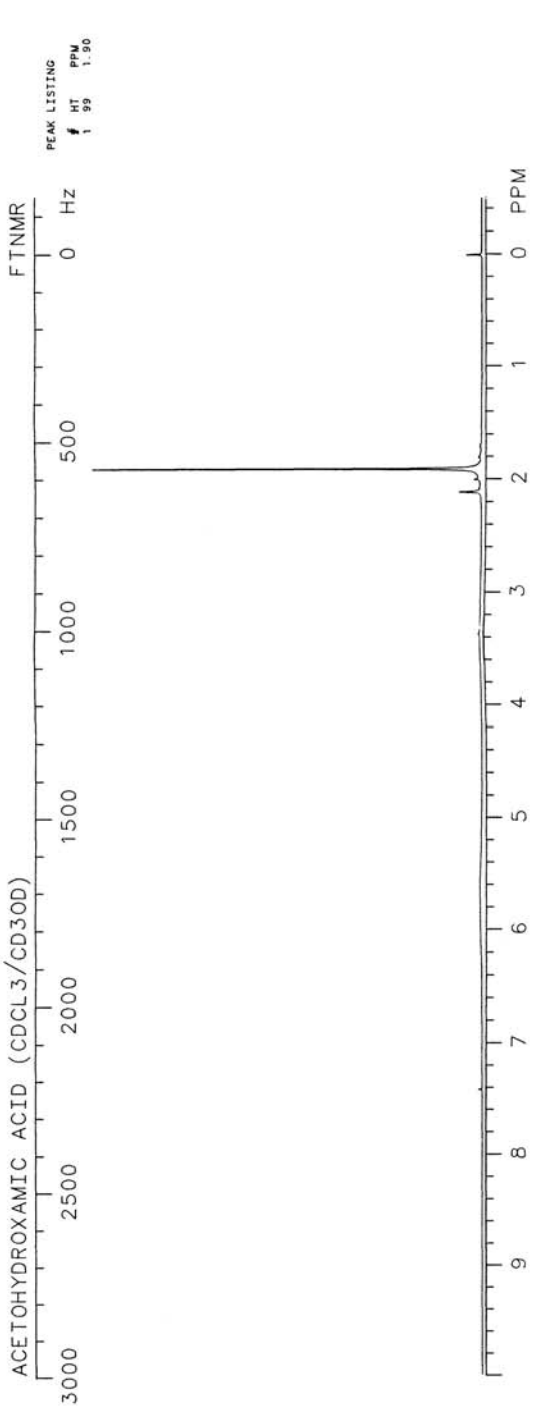
Molecular weight: 75.07 (75.03)
Synonyms: N-Hydroxyacetamide; acetic acid oxime

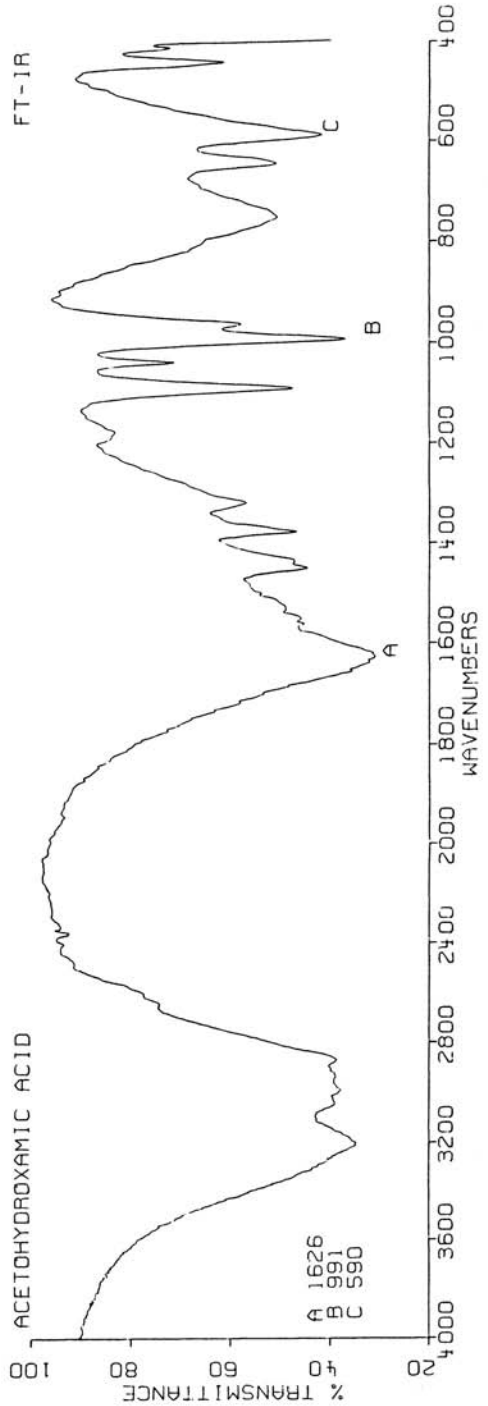
Trade names: Lithostat

Use: Enzyme inhibitor
HPLC:
GC;






ACETOHYDROXAMIC ACID (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 1.90
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

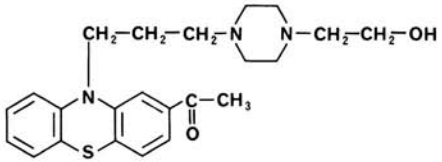

ACETOHYDROXAMIC ACID
FT-IR
A 1626
B 991
C 590
A
B
C
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

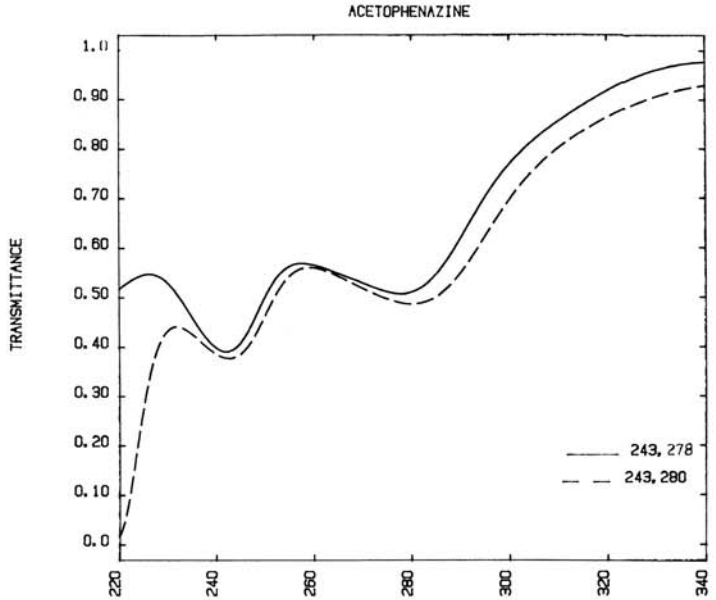
ACETOPHENAZINE

$C_{23}H_{29}N_3O_2S$

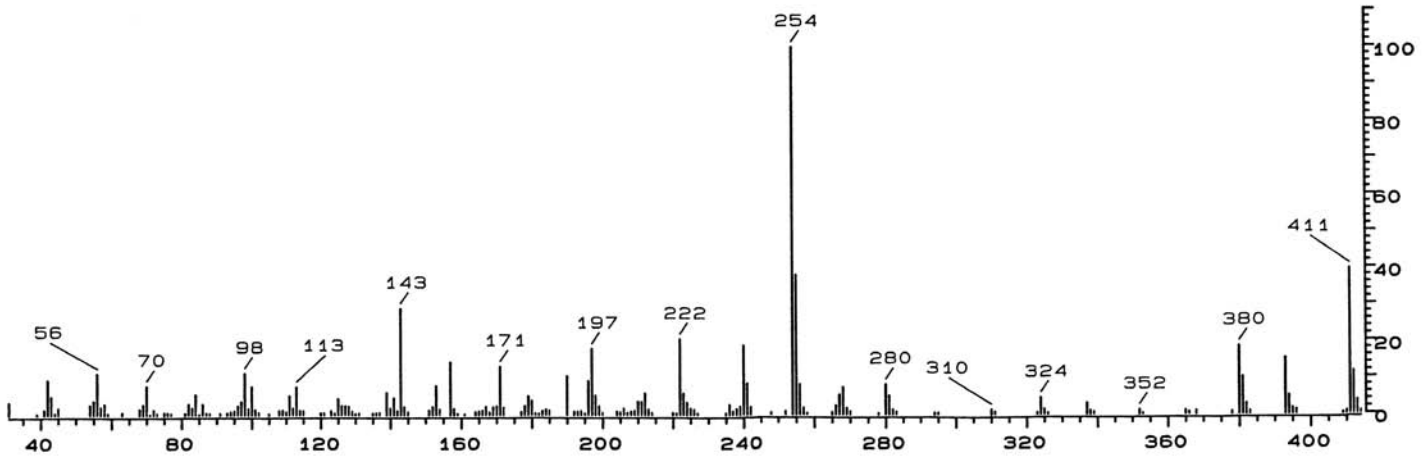
Molecular weight: 411.56 (411.20)
Synonyms: 1-[10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-10H-phenothiazin-2-yl]ethanone
Trade names: Tindal

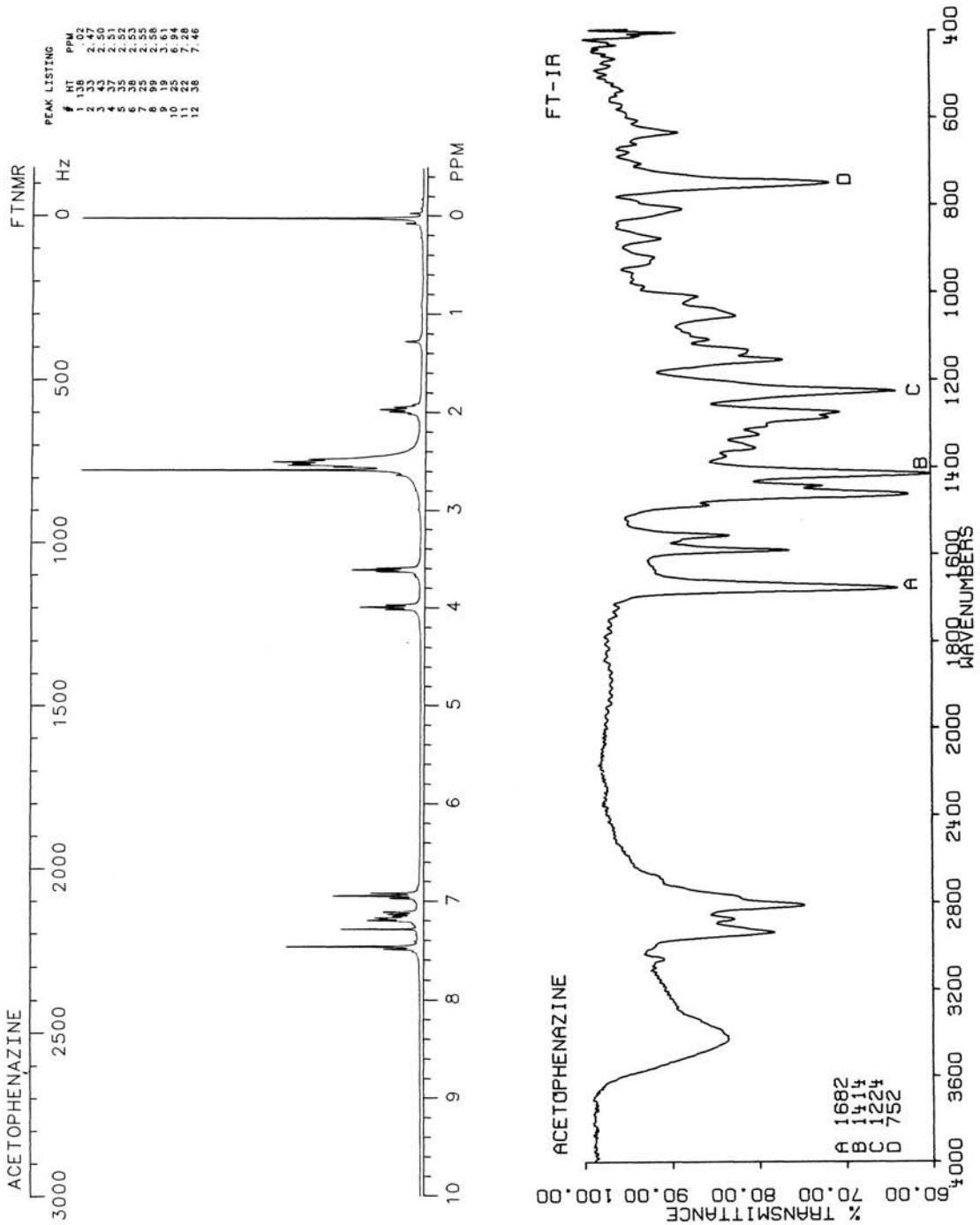
Use: Tranquilizer
HPLC: Si-10; 5A:95B; 6.3
GC:





ACETOPHENAZINE -- DIP



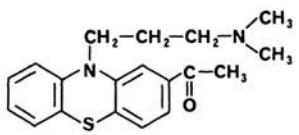

FTNMR
ACETOPHENAZINE
PEAK LISTING
HT PPM
1 138 .02
2 33 2.47
3 43 2.50
4 37 2.51
5 35 2.52
6 38 2.53
7 25 2.55
8 99 2.56
9 19 3.61
10 25 6.94
11 22 7.28
12 38 7.46
0 Hz
500
1000
1500
2000
2500
3000
0 PPM
1
2
3
4
5
6
7
8
9
10
FT-IR
ACETOPHENAZINE
A 1682
B 1414
C 1224
D 752
A
B
C
D
% TRANSMITTANCE
60.00
70.00
80.00
90.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

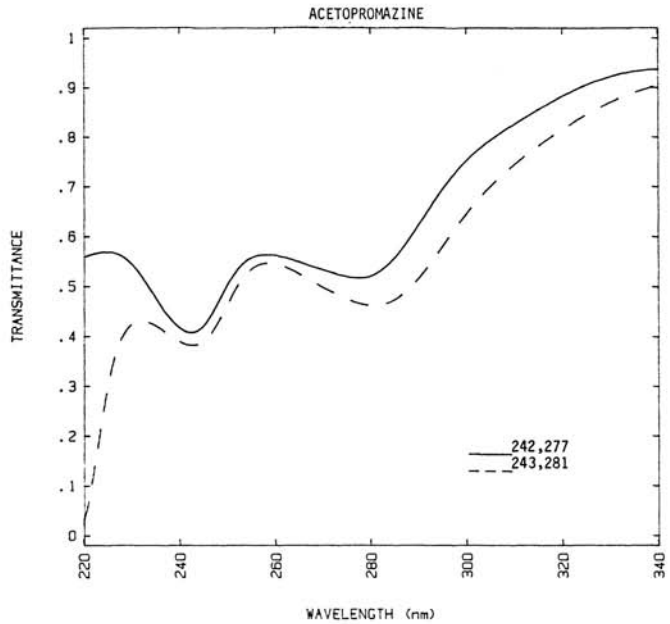
ACETOPROMAZINE

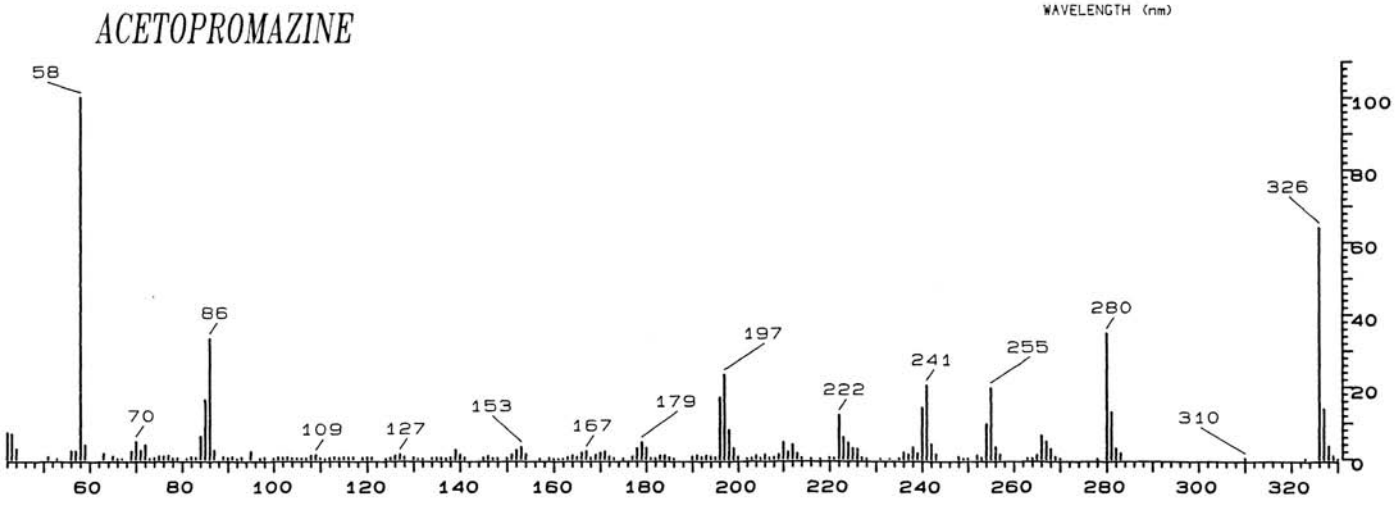
$C_{19}H_{22}N_2OS$

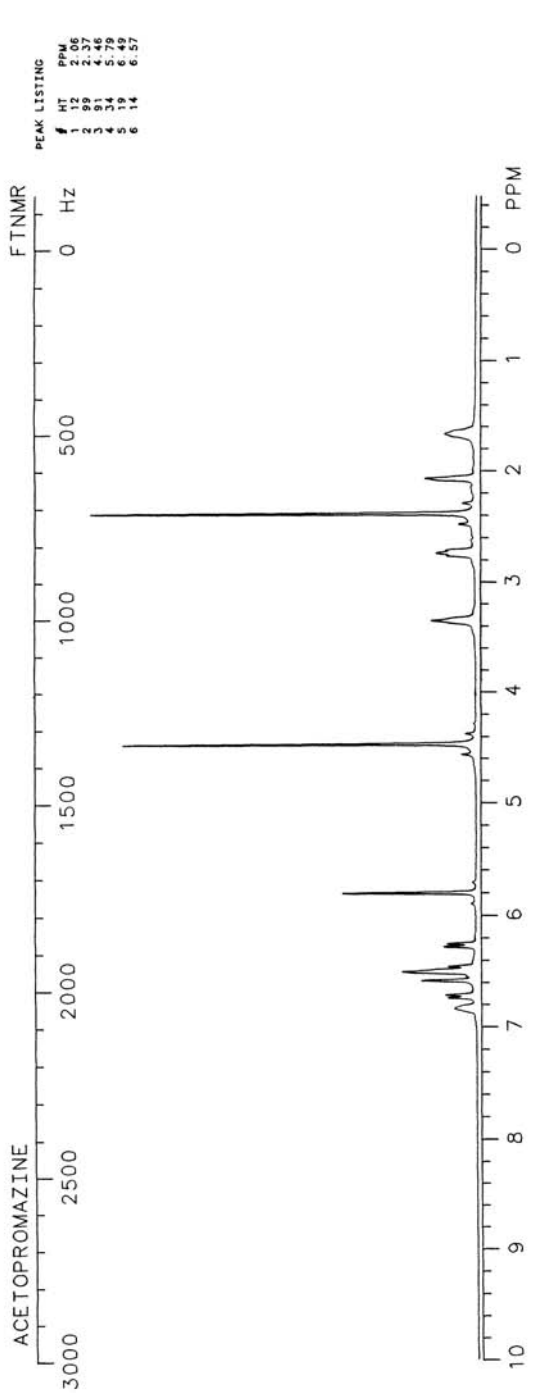
Molecular weight: 326.47 (326.15)
Synonyms: 1-[10-[(3-Dimethylamino)propyl]-10H-phenolthiazin-2-yl]ethanone; acetazine; acetylpromazine; acepromazine
Trade names: Atravet, Notensil, Plegicil, Soprontin, Vetranquil

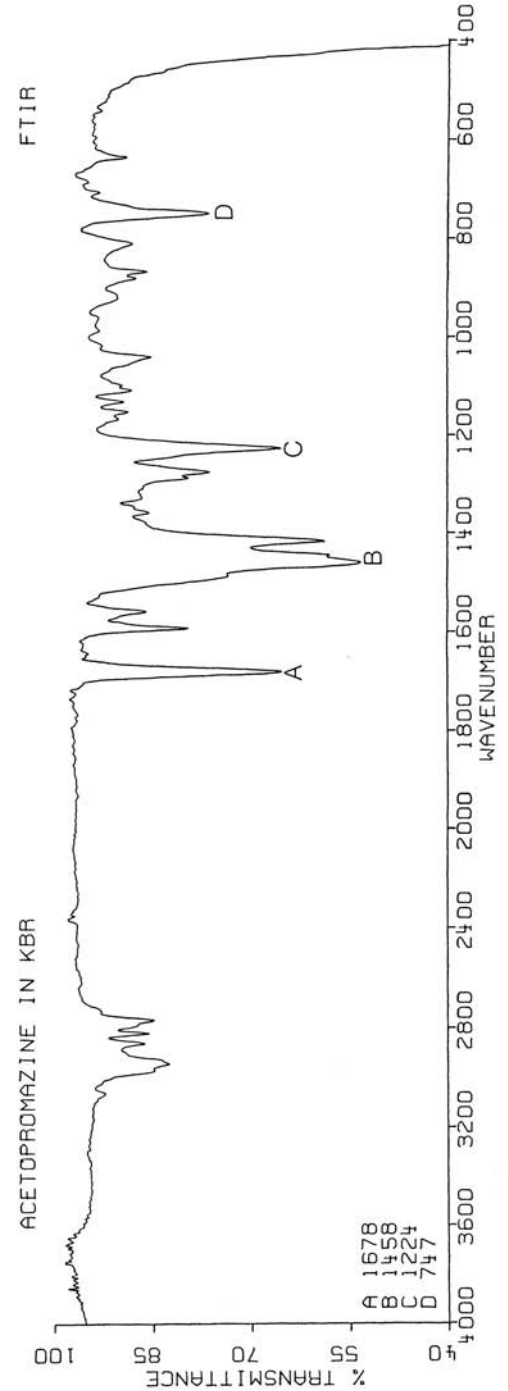
Use: Tranquilizer
HPLC: Si-10; 5A:95B; 7.0
GC: 2756; 250°C








ACETOPROMAZINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 12 2.06
2 99 2.37
3 91 4.46
4 34 5.79
5 19 6.49
6 14 6.57
10
9
8
7
6
5
4
3
2
1
0 PPM


ACETOPROMAZINE IN KBR
FTIR
A 1678
B 1458
C 1224
D 747
A
B
C
D
100
85
70
55
40
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

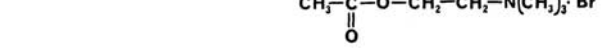
ACETYLCHOLINE BROMIDE

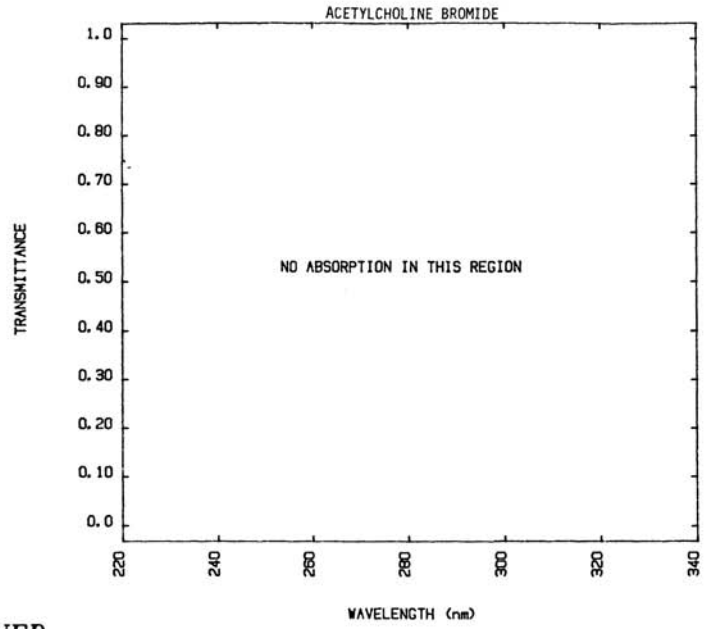
$C_7H_{16}BrNO_2$

Molecular weight: 226.10 (225.04)
Synonyms: 2-(Acetyloxy)-N,N,N-trimethylethanaminium bromide

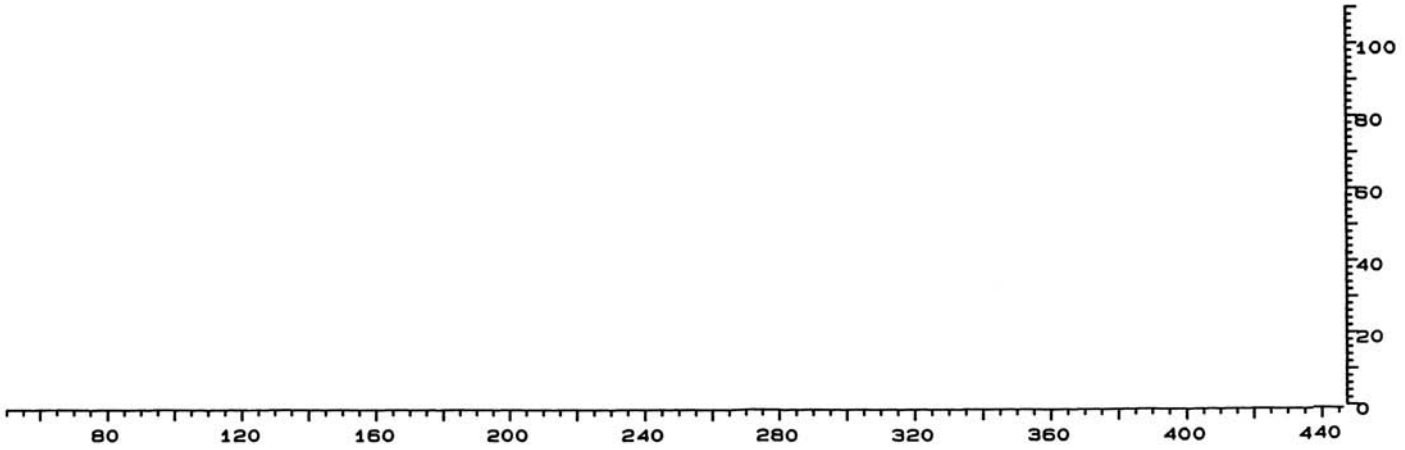
Trade names: Acecoline, Arterocoline, Miochol, Ovisat

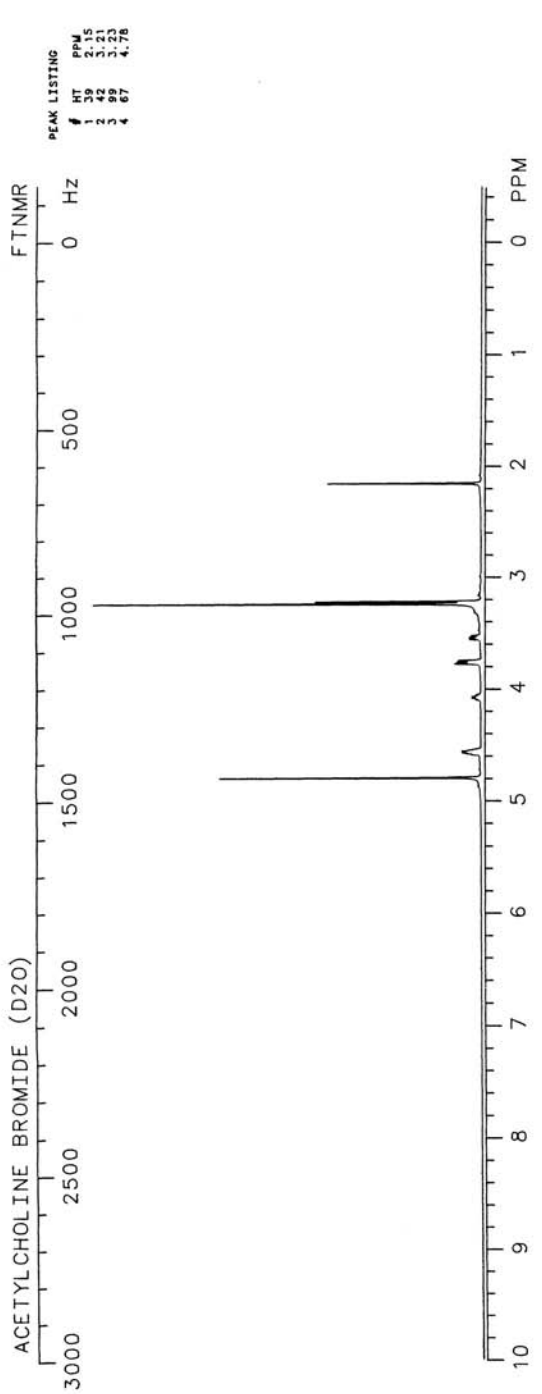
Use: Cholinergic; parasympathomimetic
HPLC:
GC:

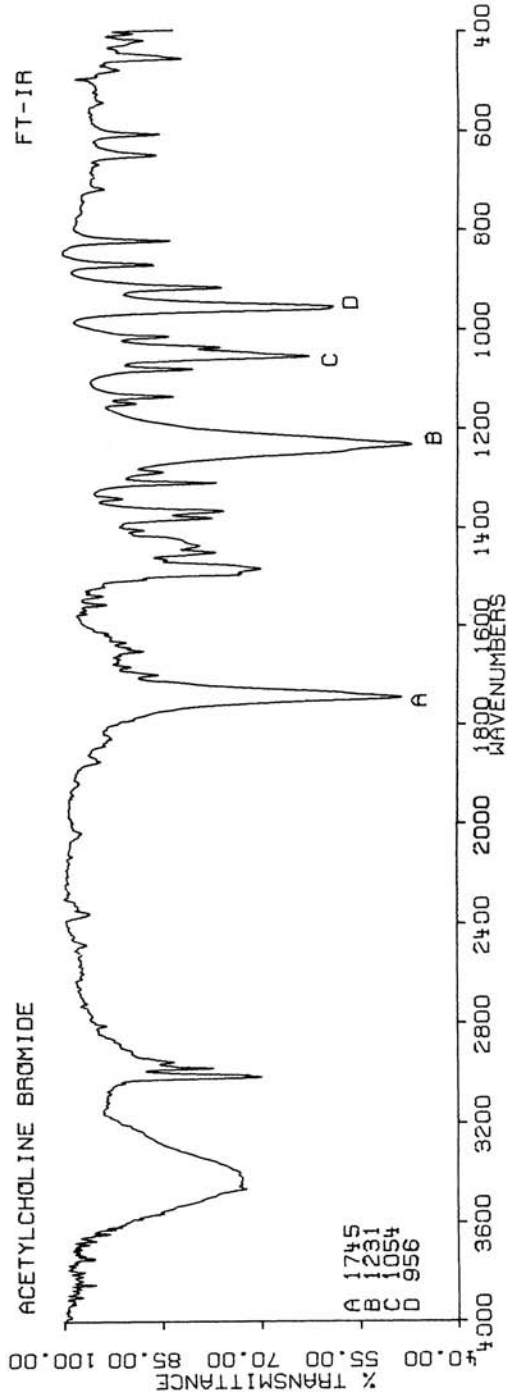




NO USEFUL MASS SPECTRUM WAS OBTAINED




ACETYLCHOLINE BROMIDE (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 39 2.15
2 42 3.21
3 99 3.23
4 67 4.78


ACETYLCHOLINE BROMIDE
FT-IR
A 1745
B 1231
C 1054
D 956
A
B
C
D
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

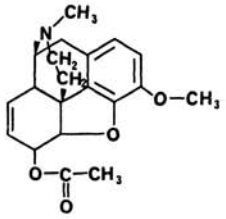
ACETYLCODEINE

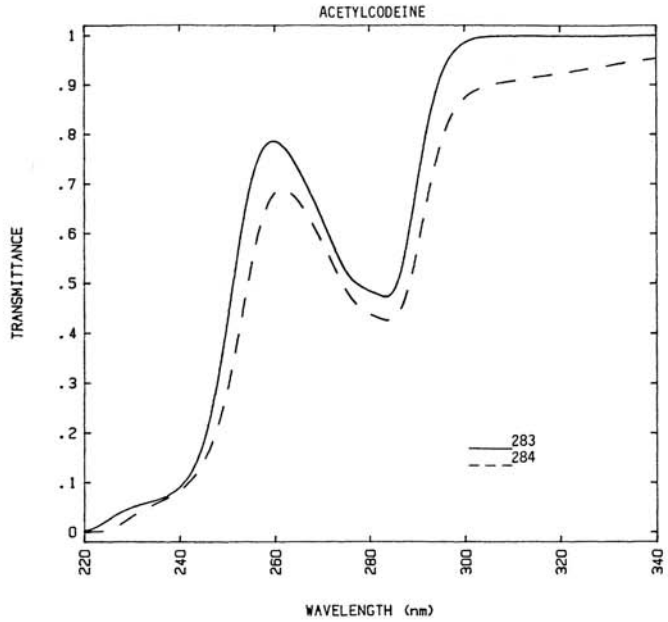
$C_{20}H_{23}NO_4$

Molecular weight: 341.38 (341.16)
Synonyms: 3-O-Methyl-6-O-acetylmorphine

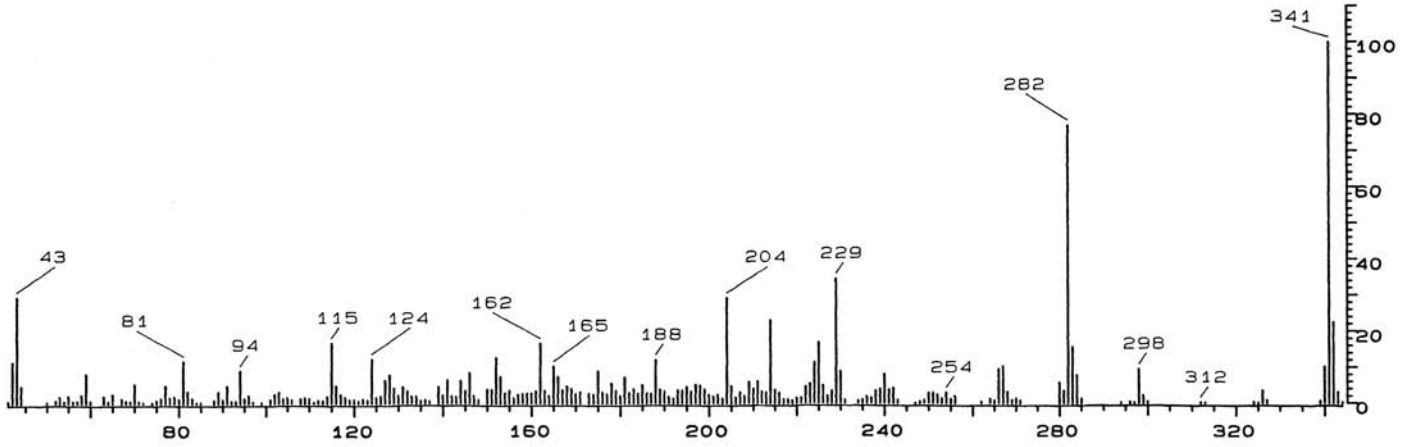
Trade names:

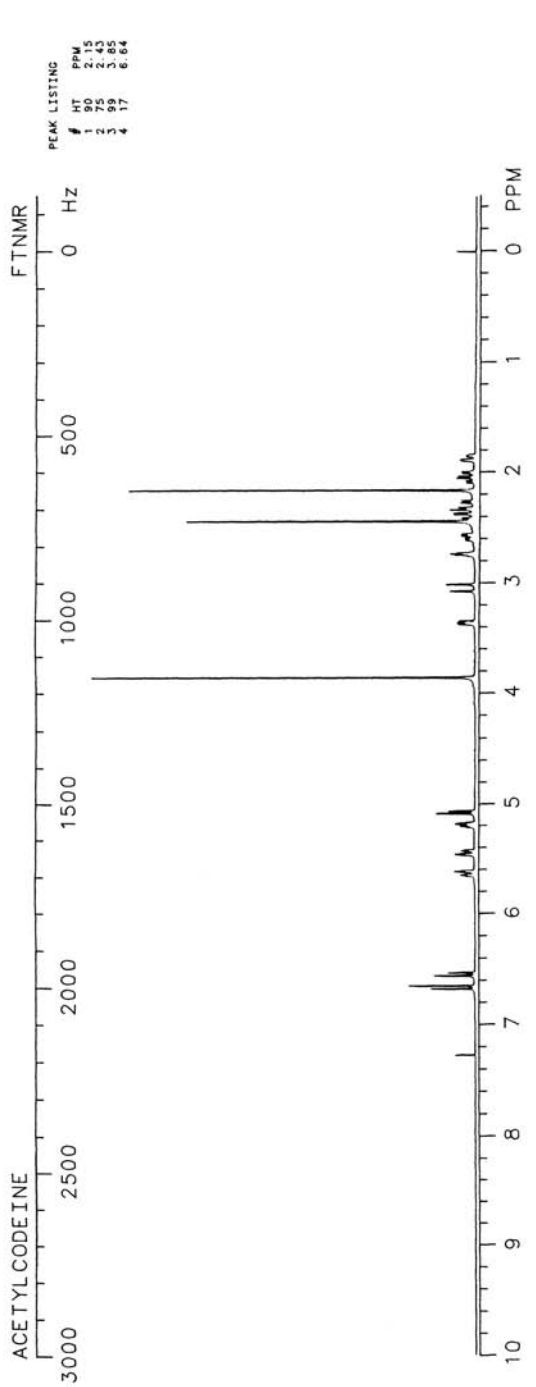
Use: Metabolite
HPLC: Si-10; 5A:95B; 4.1
GC: 2551; 250°C

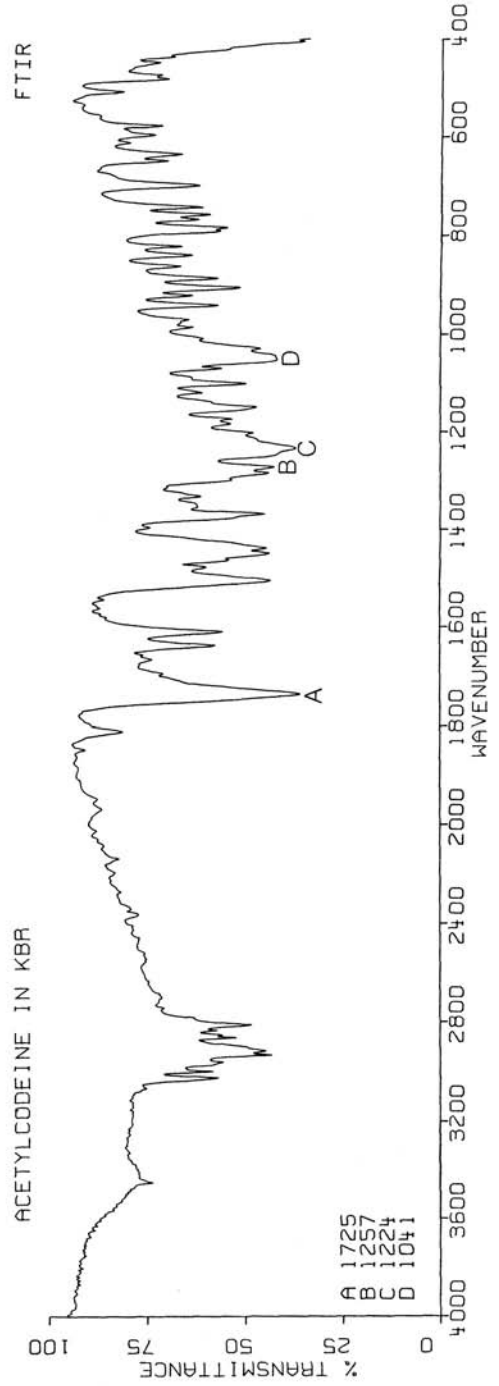




ACETYLCODEINE



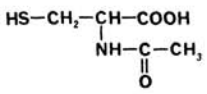

FTNMR
ACETYLCODEINE
PEAK LISTING
HT PPM
1 90 2.15
2 75 2.43
3 99 3.85
4 17 6.64
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

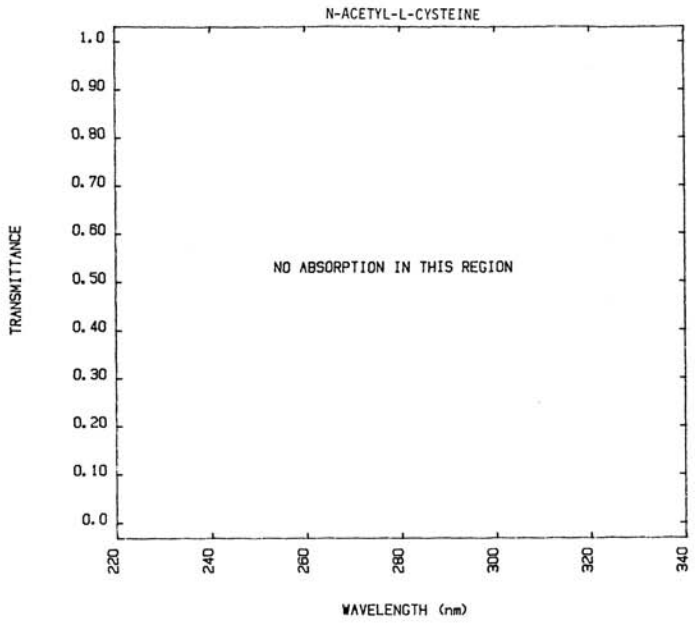

FTIR
ACETYLCODEINE IN KBR
A 1725
B 1257
C 1224
D 1041
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

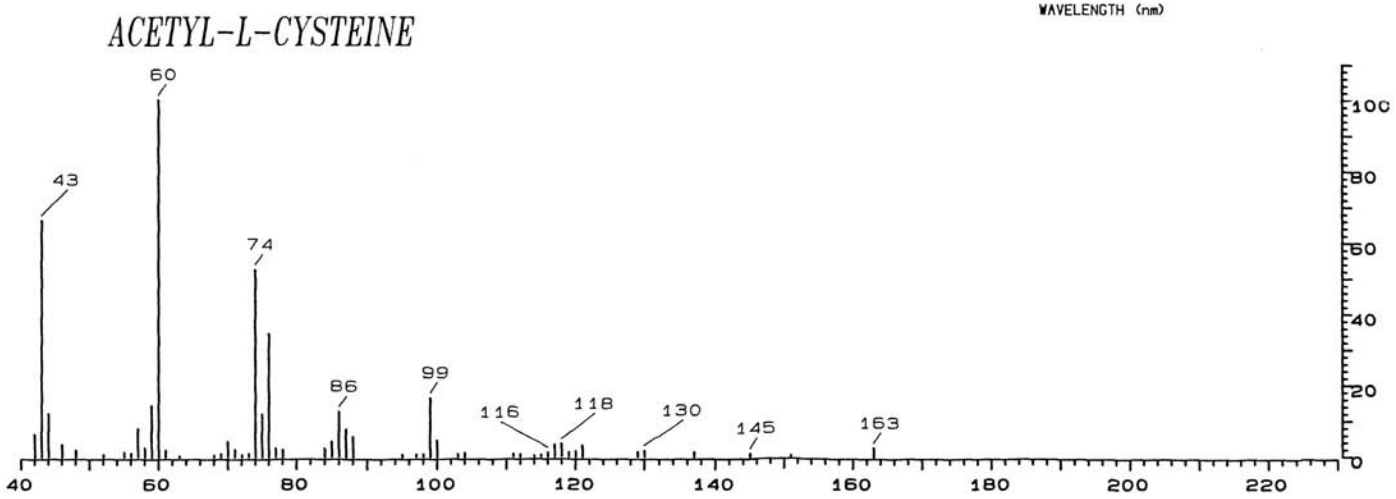
ACETYL-L-CYSTEINE

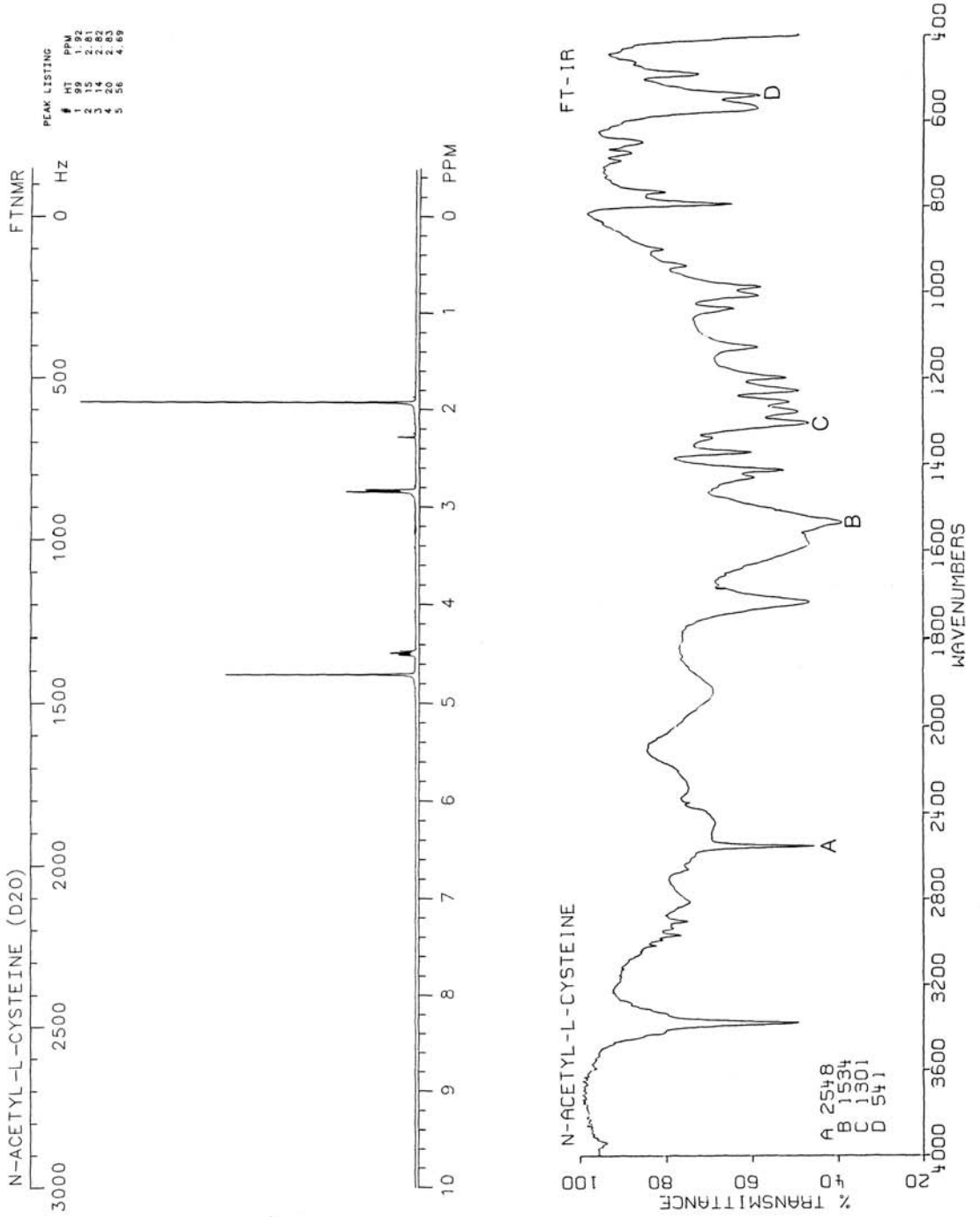
$C_5H_9NO_3S$

Molecular weight: 163.20 (163.03)
Synonyms: L-alpha-Acetamido-B-mercaptopropionic acid; N-acetyl-3-mercaptoalanine; N-acetylcysteine
Trade names: Airbron, Broncholysin, Inspir, Mucomyst, Fabrol, Parvolox, Mucosolvin, Fluimucil, Nac
Use: Mucolytic
HPLC: Si-10; 10A:90B; 8.5
GC:







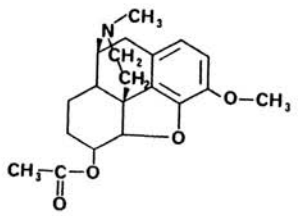

N-ACETYL-L-CYSTEINE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 99 1.92
2 15 2.01
3 14 2.82
4 20 2.83
5 56 4.69
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
N-ACETYL-L-CYSTEINE
FT-IR
A 2548
B 1534
C 1301
D 541
A
B
C
D
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBERS

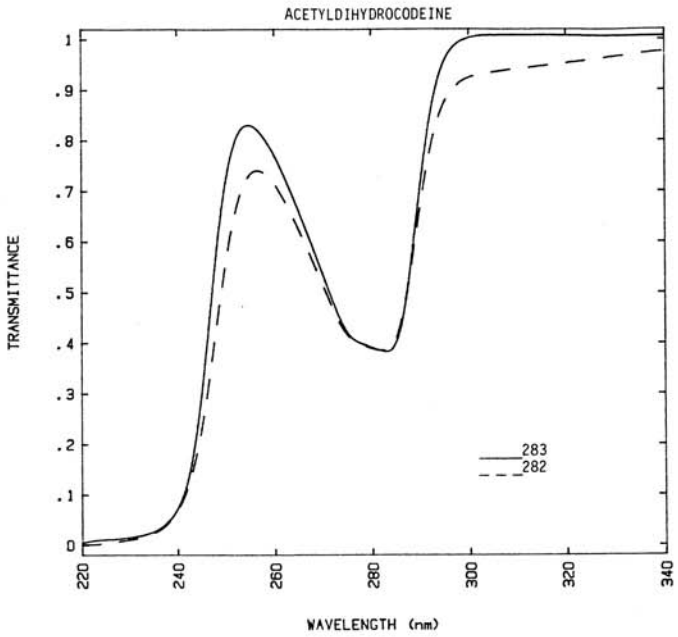
ACETYLDIHYDROCODEINE

$C_{20}H_{25}NO_4$

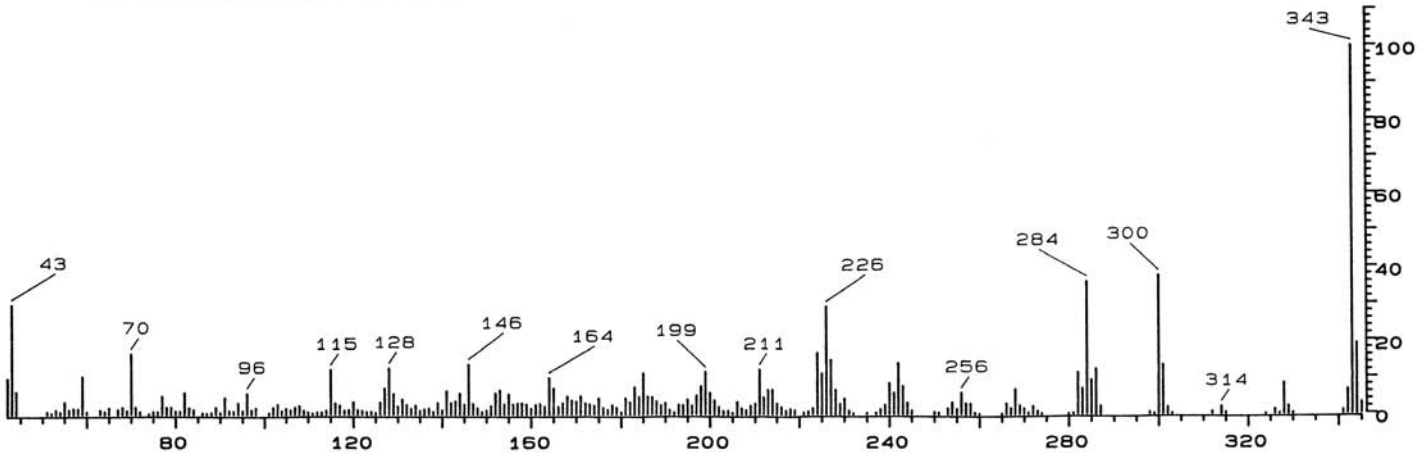
Molecular weight: 343.40 (343.18)
Synonyms: 6-Acetoxy-4,5-epoxy-3-methoxy-
N-methylmorphinan
Trade names:

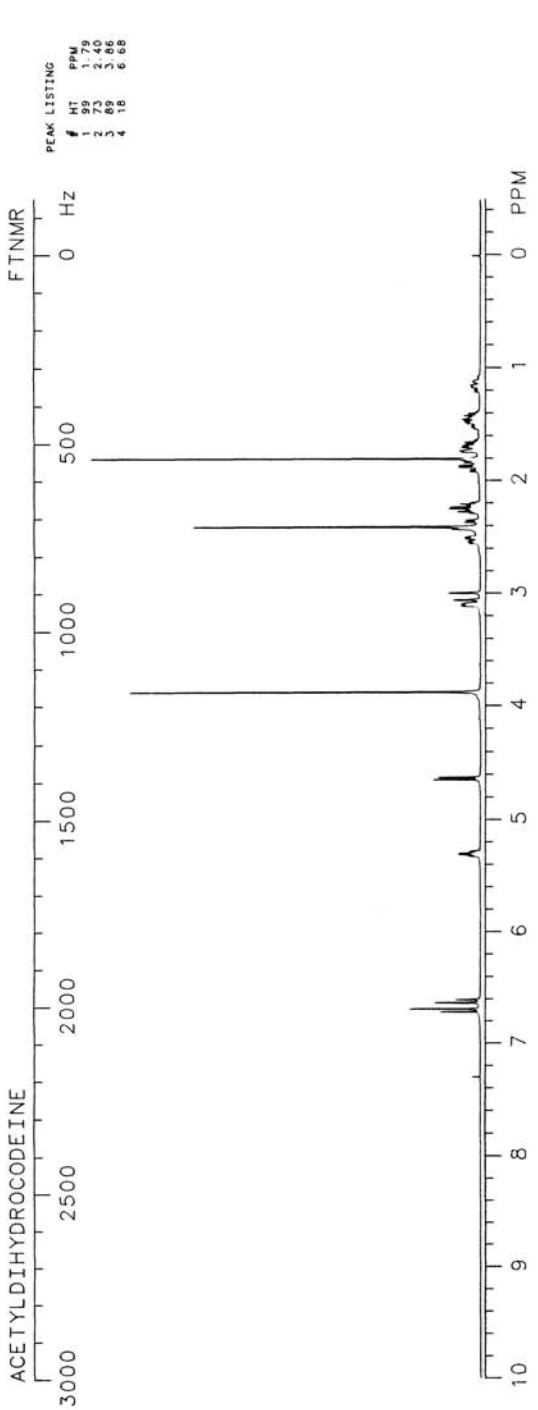
Use: Metabolite
HPLC: Si-10; 10A;90B; 5.5
GC: 2547; 250°C

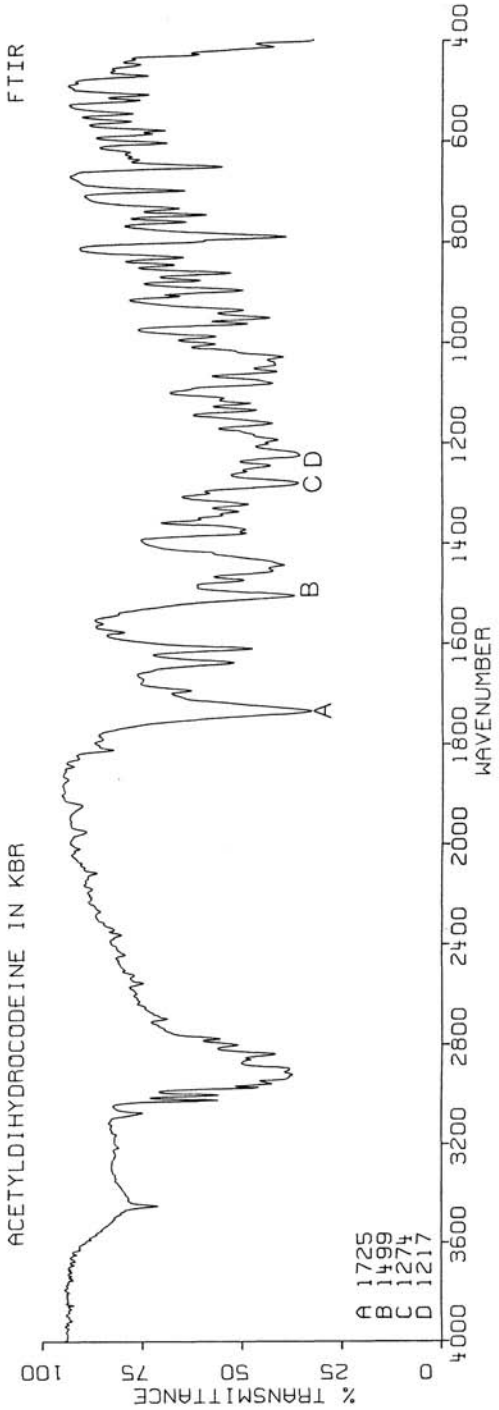




ACETYLDIHYDROCODEINE




ACETYLDIHYDROCODEINE
FTNMR
PEAK LISTING
HT PPM
1 99 1.79
2 73 2.40
3 69 3.86
4 18 6.68
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


ACETYLDIHYDROCODEINE IN KBR
FTIR
A 1725
B 1499
C 1274
D 1217
A
B
C D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

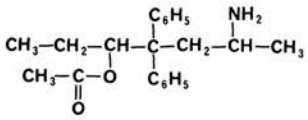
ALPHA-ACETYL-*N,N*-DINORMETHADOL

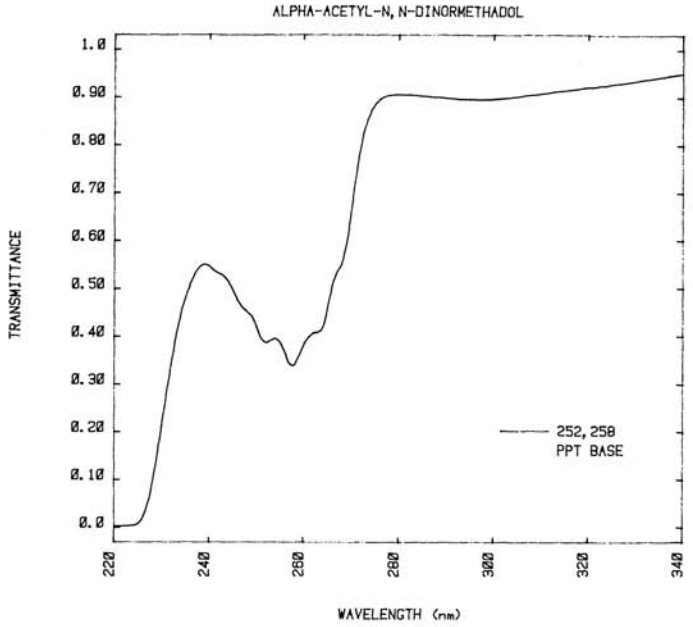
$C_{21}H_{27}NO_2$

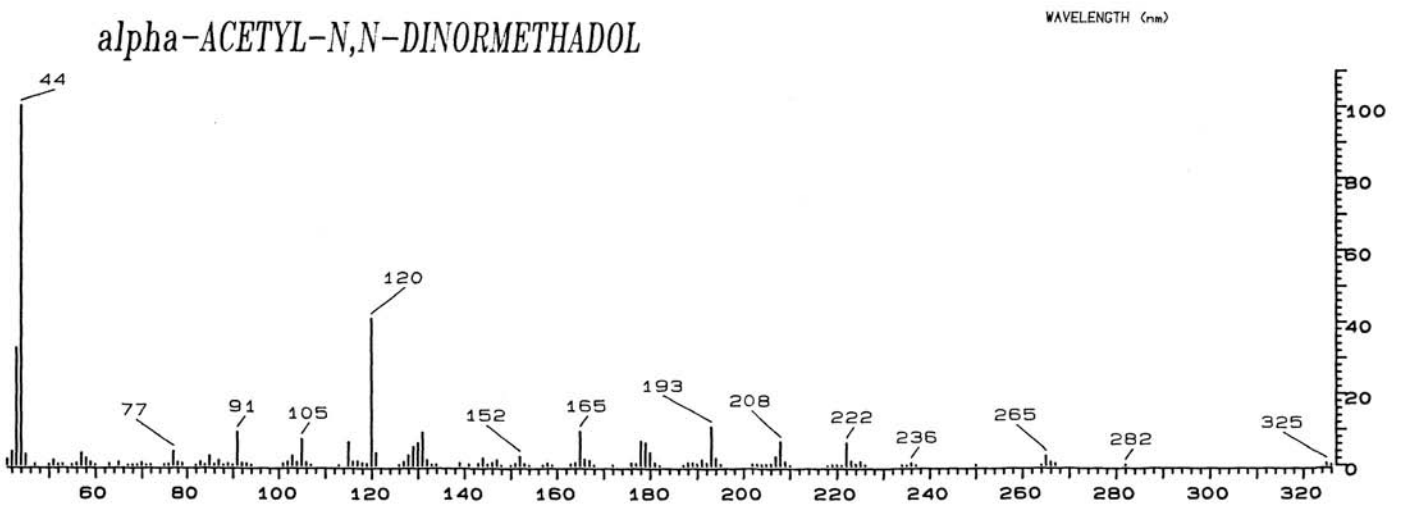
Molecular weight: 325.45 (325.20)
Synonyms: α -Ethyl-β-(2-aminopropyl)-β-phenylbenzeneethanol acetate

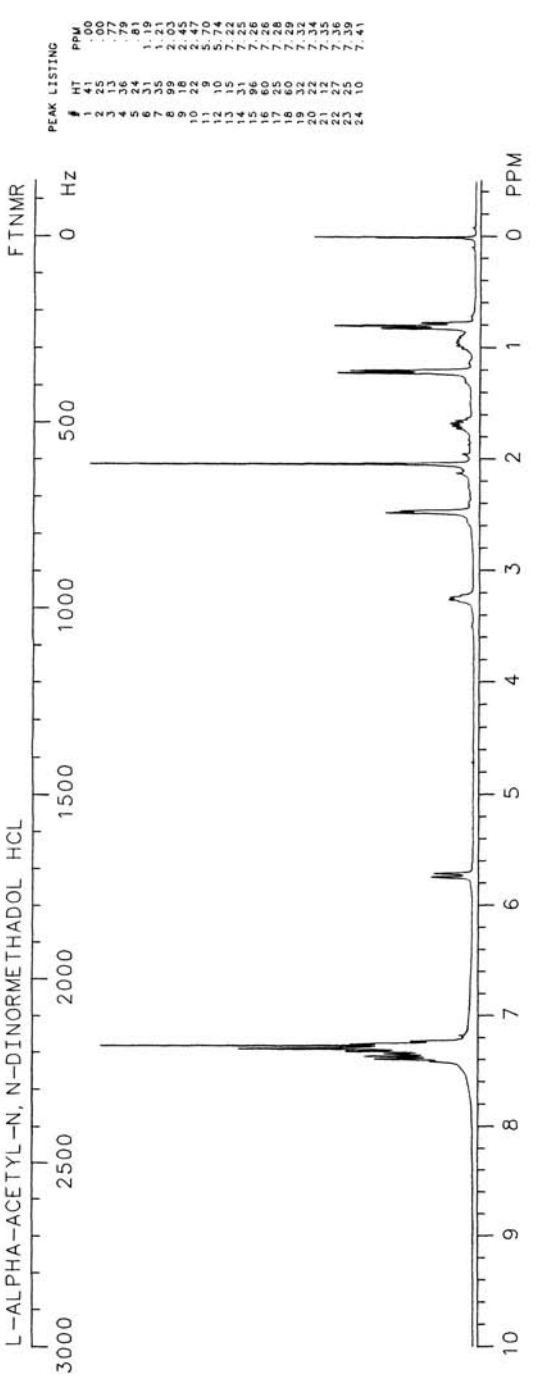
Trade names:

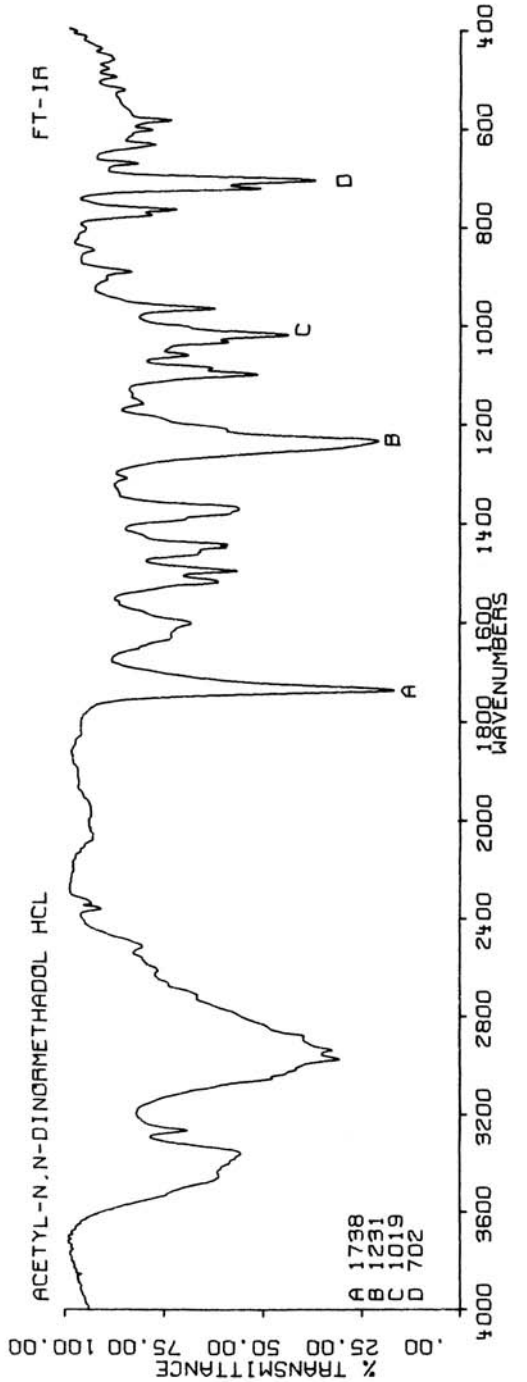
Use:
HPLC:
GC: 2217; 250°C








L-ALPHA-ACETYL-N, N-DINORMETHADOL HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 41 .00
2 25 .00
3 13 .77
4 16 .79
5 24 .81
6 31 1.19
7 35 1.21
8 99 2.03
9 18 2.45
10 22 2.47
11 9 5.70
12 10 5.74
13 15 7.22
14 31 7.25
15 96 7.26
16 60 7.28
17 25 7.29
18 60 7.32
19 32 7.34
20 22 7.35
21 12 7.36
22 27 7.39
23 15 7.41
24 10 7.41

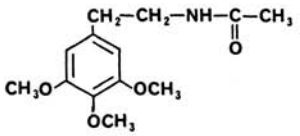

ACETYL-N,N-DINORMETHADOL HCL
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1738
B 1231
C 1019
D 702
A
B
C
D

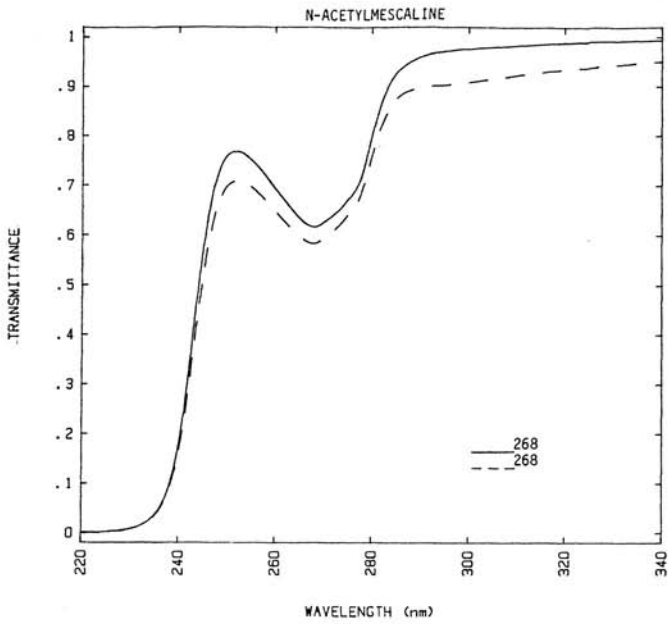
ACETYLMESCALINE

$C_{13}H_{19}NO_4$

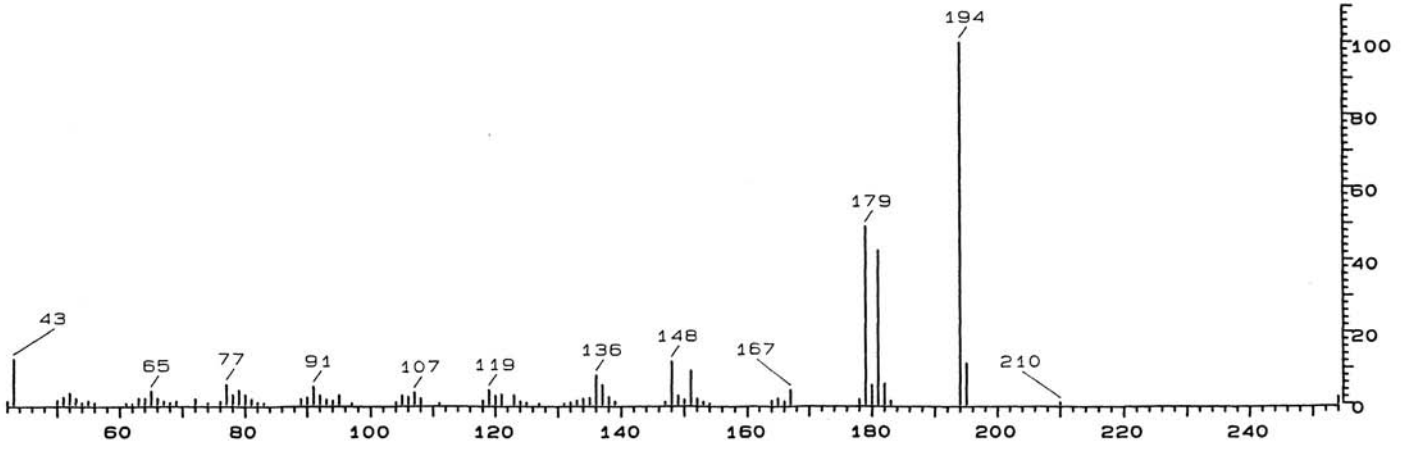
Molecular weight: 253.27 (253.13)
Synonyms: N-Acetyl-3,4,5-trimethoxybenzene-ethanamine
Trade names:

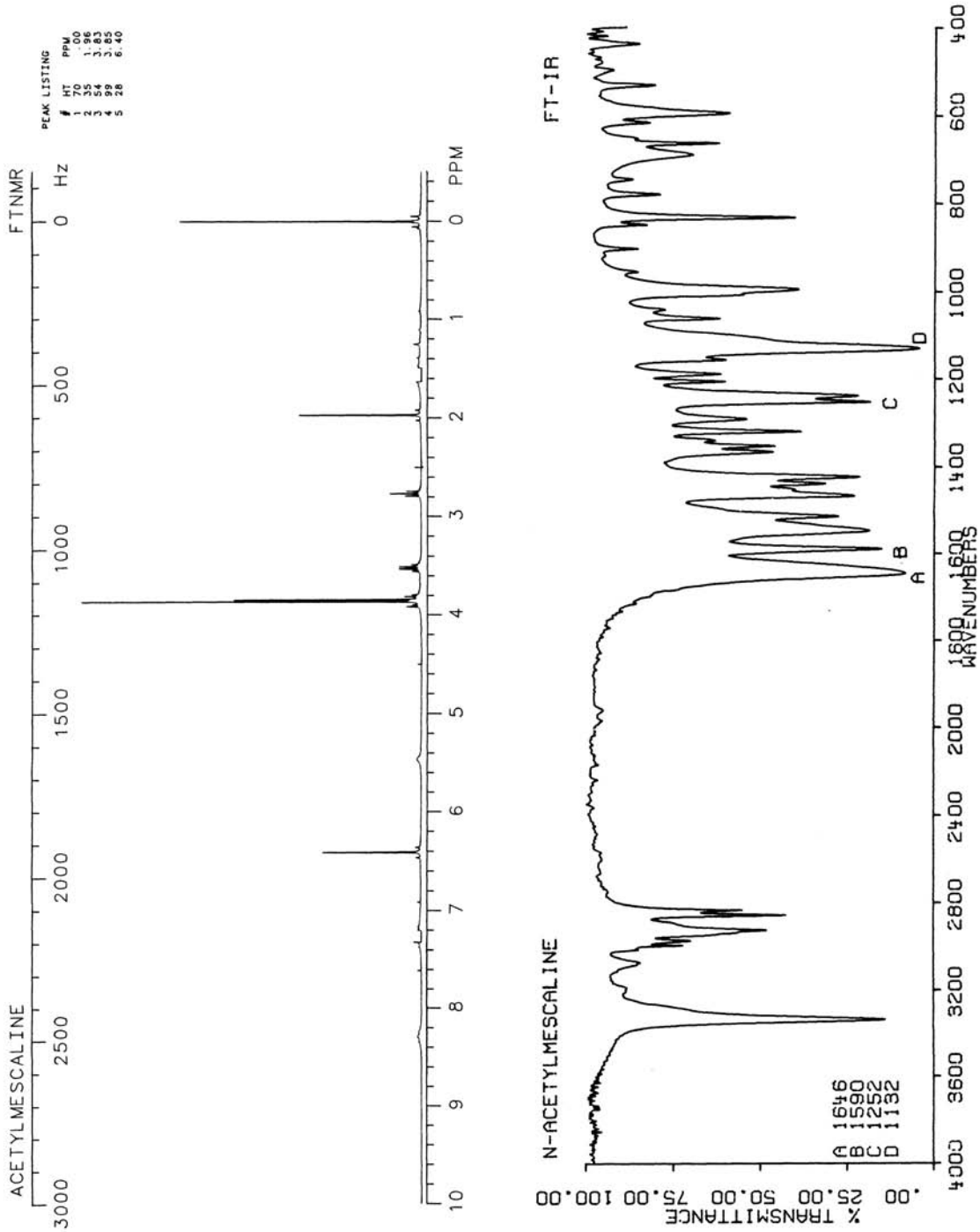
Use: Metabolite
HPLC: Si-10; 2A;98B; 6.0
GC: 2055; 250°C





ACETYLMESCALINE



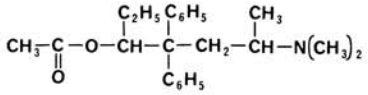

ACETYLMESCALINE
FTNMR
PEAK LISTING
HT PPM
1 70 .00
2 35 1.96
3 54 3.83
4 99 3.85
5 28 6.40
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
N-ACETYLMESCALINE
FT-IR
A 1646
B 1590
C 1252
D 1132
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

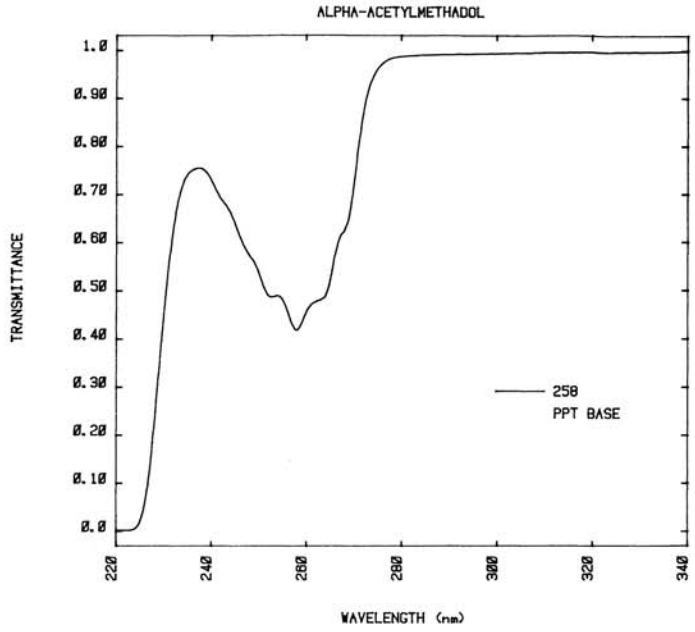
α -ACETYLMETHADOL

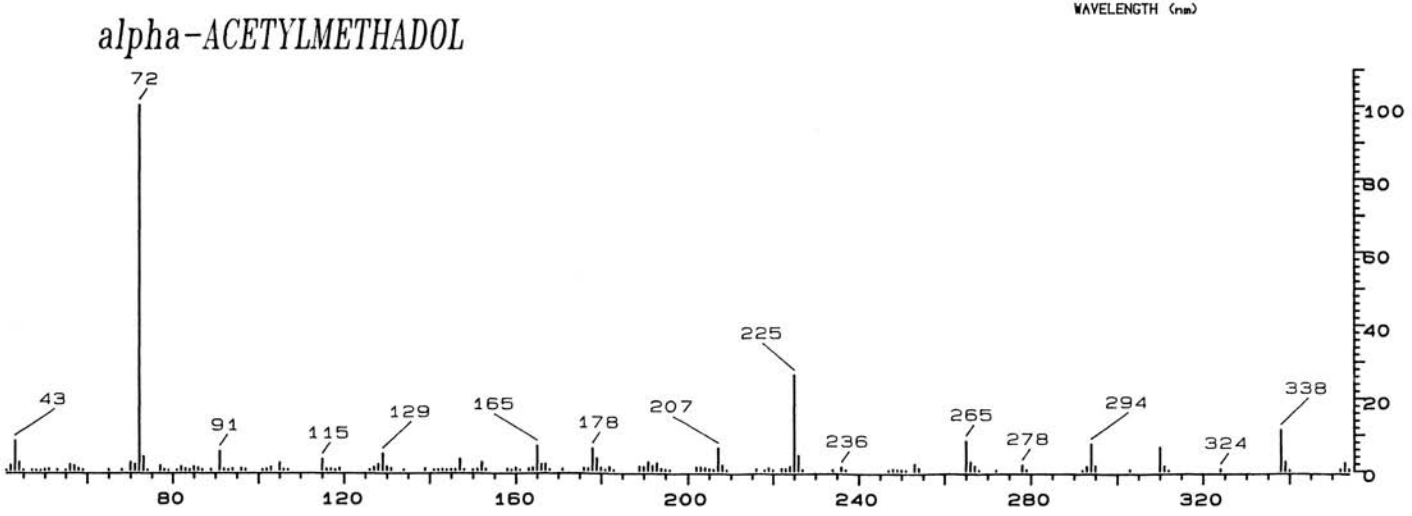
$C_{23}H_{31}NO_2$

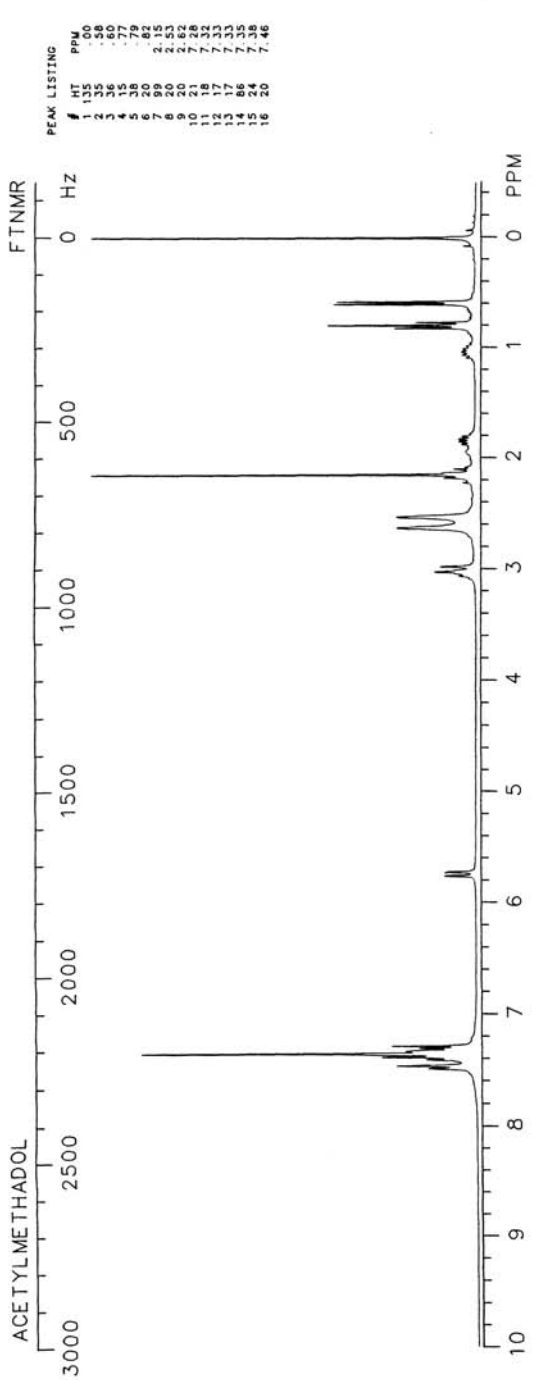
Molecular weight: 353.50 (353.24)
Synonyms: β -[2-(Dimethylamino)propyl]-α-ethyl-β-phenylbenzene-ethanol acetate (ester); methadyl acetate; α -acetylmethadol
Trade names: Acemethadone

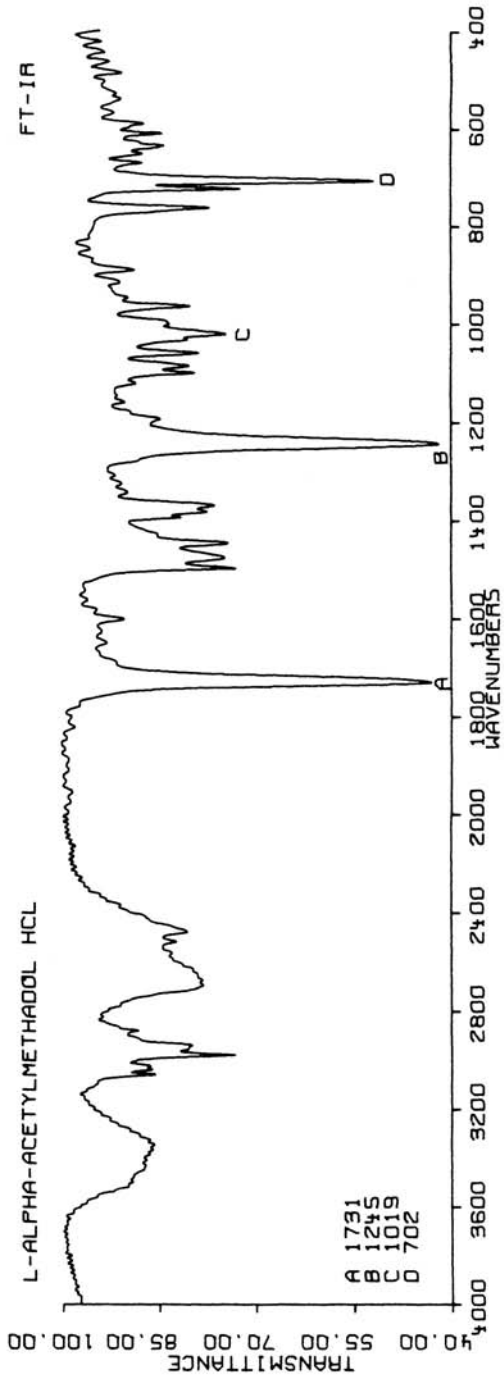
Use: Analgesic
HPLC: Si-10; 2A:98B; 9.0
GC: 2243; 250°C








FTNMR
ACETYLMETHADOL
PEAK LISTING
HT PPM
1 155 .00
2 135 .98
3 36 1.60
4 15 1.77
5 38 1.79
6 20 2.02
7 20 2.15
8 20 2.53
9 20 2.62
10 21 7.28
11 18 7.32
12 17 7.33
13 17 7.35
14 86 7.38
15 24 7.38
16 20 7.46
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

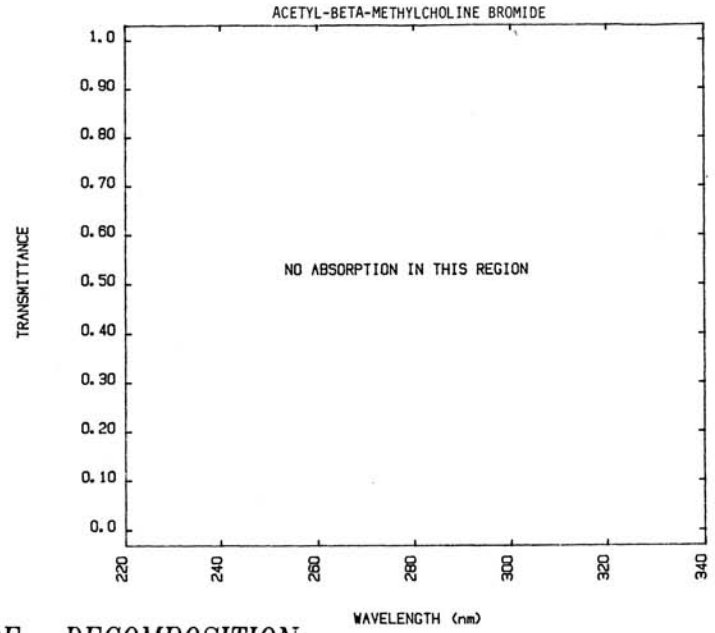

FT-IR
L-ALPHA-ACETYLMETHADOL HCL
A 1731
B 1245
C 1019
D 702
A
B
C
D
TRANSMITTANCE
50.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

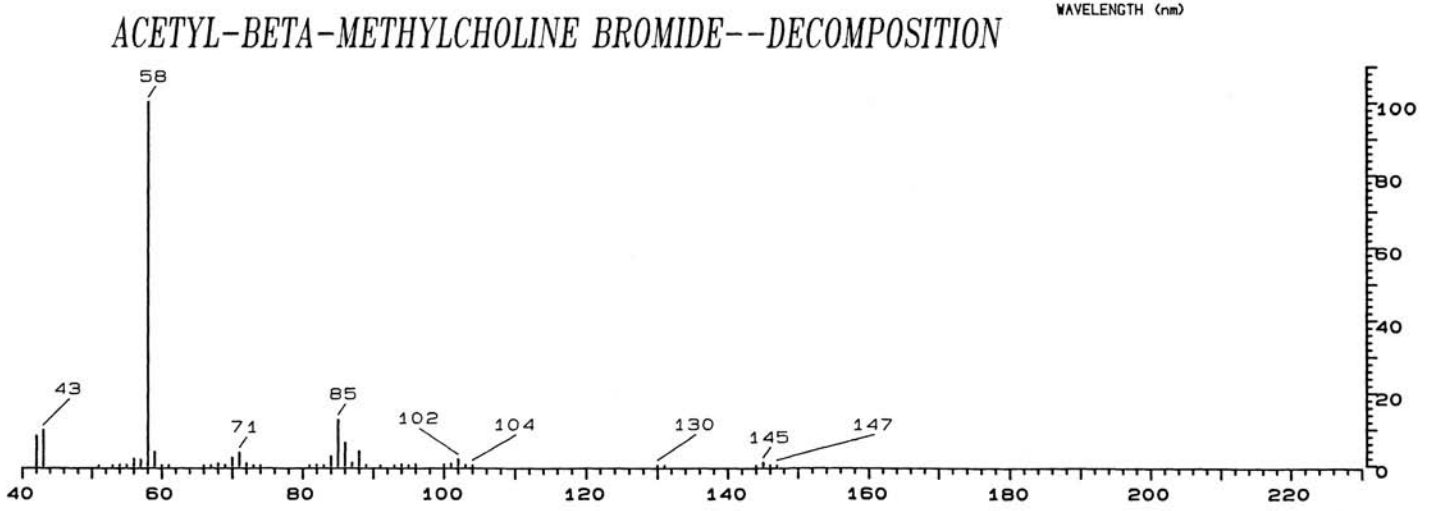
ACETYL-β-METHYLCHOLINE BROMIDE

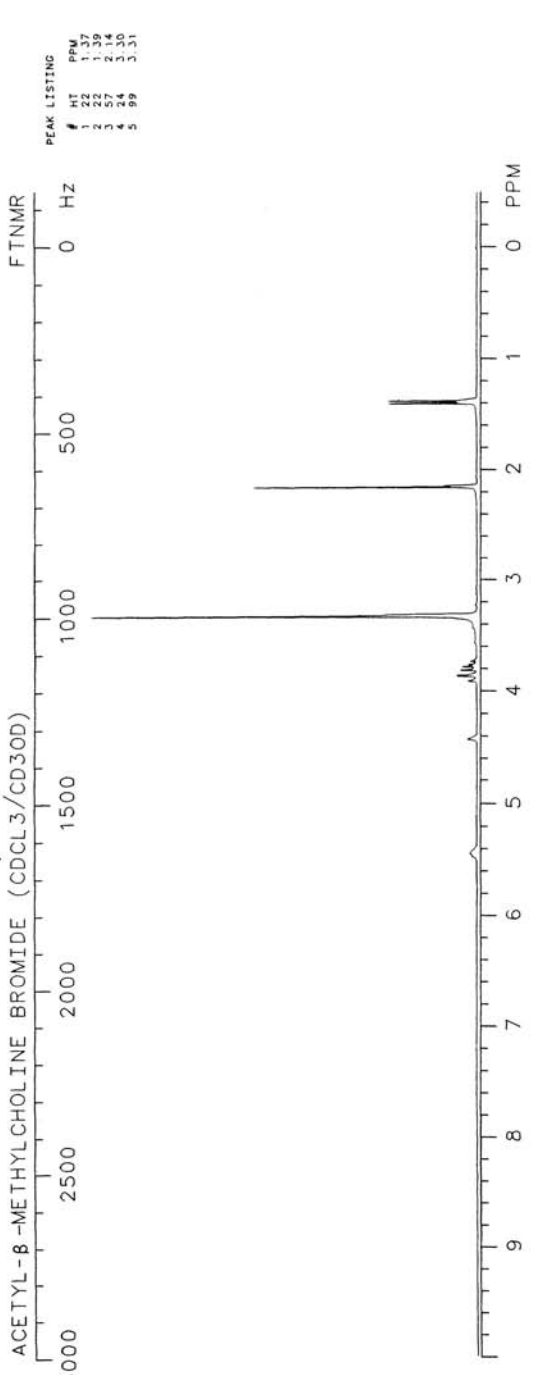
$C_8H_{18}BrNO_2$

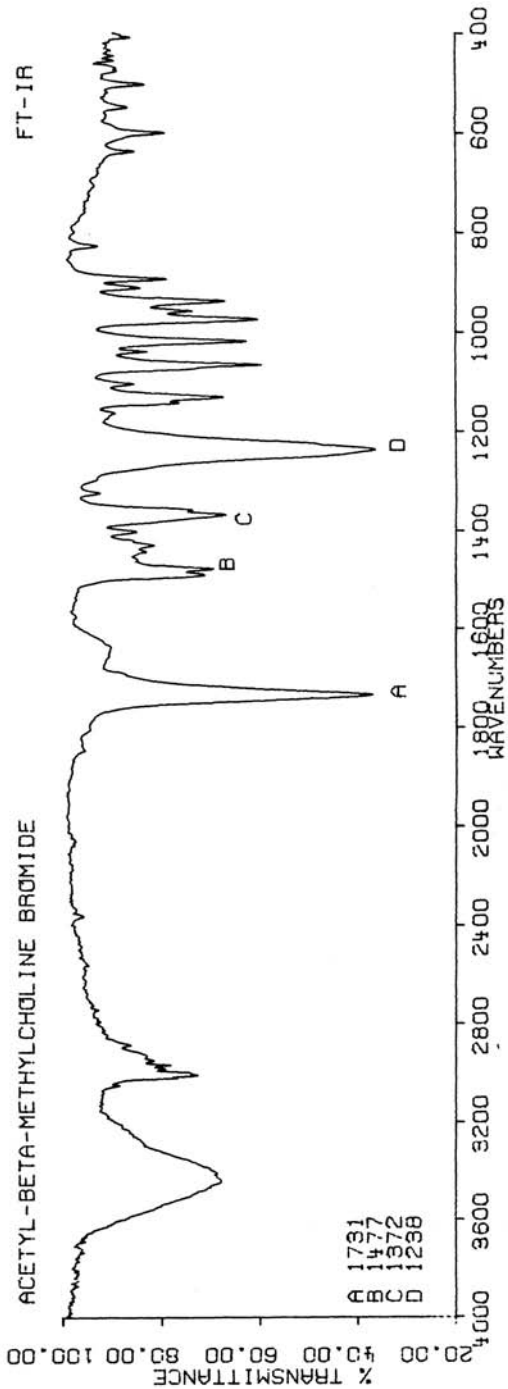
Molecular weight: 240.15 (239.05)
Synonyms: 2-(Acetyloxy)-N,N,N-trimethyl-1-propanaminium bromide; methacholine bromide
Trade names: Amechol, Mecholin

Use: Cholinergic
HPLC:
GC:






ACETYL-B-METHYLCHOLINE BROMIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 22 1.37
2 22 1.39
3 57 2.14
4 24 3.30
5 99 3.31
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

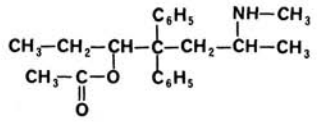

ACETYL-BETA-METHYLCHOLINE BROMIDE
FT-IR
A 1731
B 1477
C 1372
D 1238
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

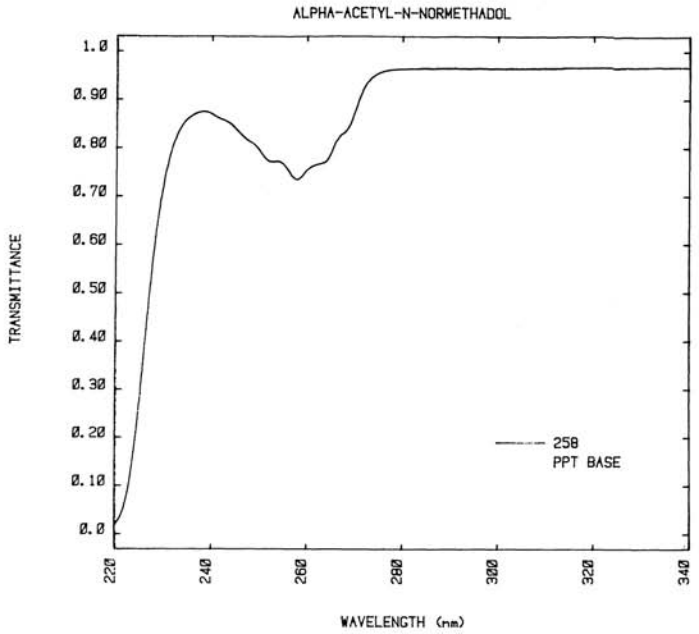
ALPHA-ACETYL-*N*-NORMETHADOL

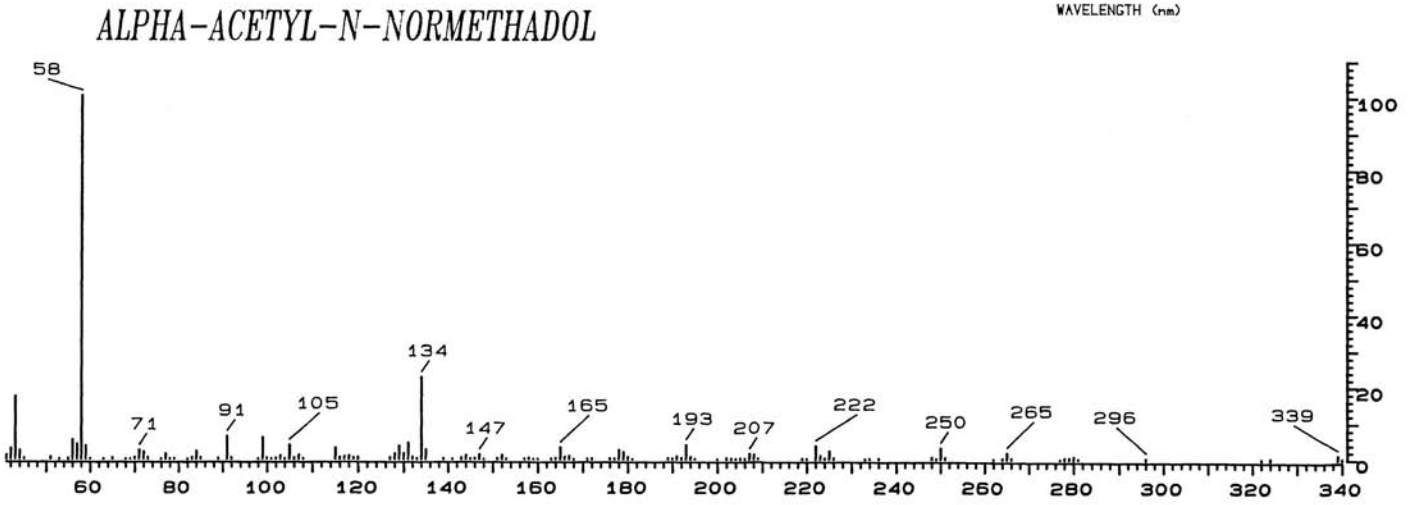
$C_{22}H_{29}NO_2$

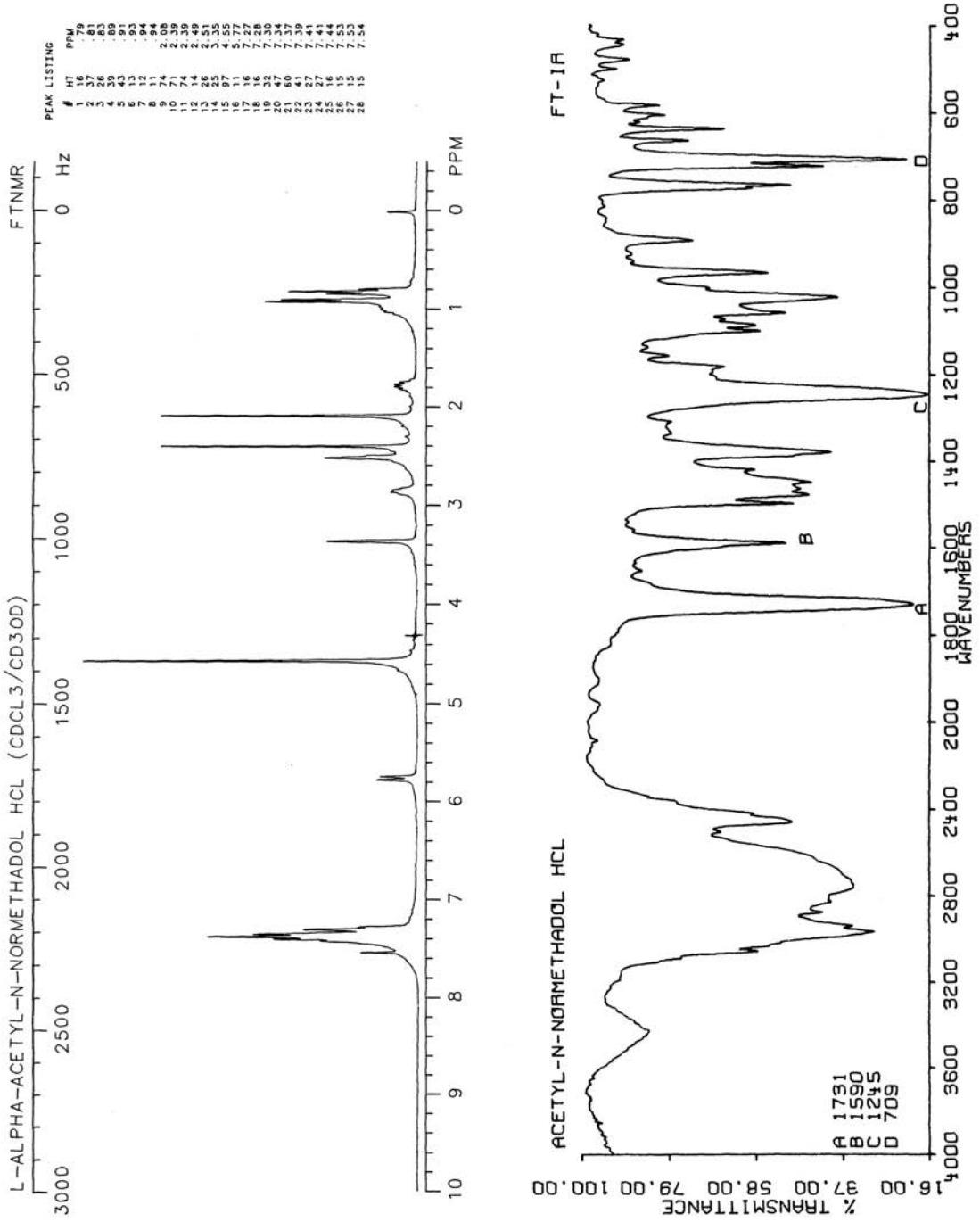
Molecular weight: 339.48 (339.22)
Synonyms: α-Ethyl-β-[2-(methylamino)propyl]-β-phenylbenzeneethanol acetate; noracymethadol
Trade names:

Use: Analgesic
HPLC: Si-10; 5A:95B; 6.5
GC: 2038; 250°C








L-ALPHA-ACETYL-N-NORMETHADOL HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 16 .79
2 37 .81
3 26 .83
4 39 .89
5 43 .91
6 13 .93
7 12 .94
8 11 .94
9 74 2.08
10 71 2.39
11 14 2.49
12 14 2.49
13 26 2.51
14 25 3.35
15 97 4.55
16 11 5.77
17 16 7.28
18 16 7.28
19 32 7.30
20 47 7.34
21 60 7.37
22 41 7.39
23 27 7.41
24 27 7.41
25 16 7.44
26 15 7.53
27 15 7.53
28 15 7.54
ACETYL-N-NORMETHADOL HCL
FT-IR
% TRANSMITTANCE
16.00 37.00 58.00 79.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1731
B 1590
C 1245
D 709
A
B
C
D

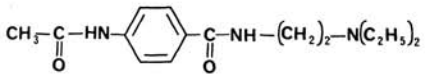
N-ACETYLPROCAINAMIDE

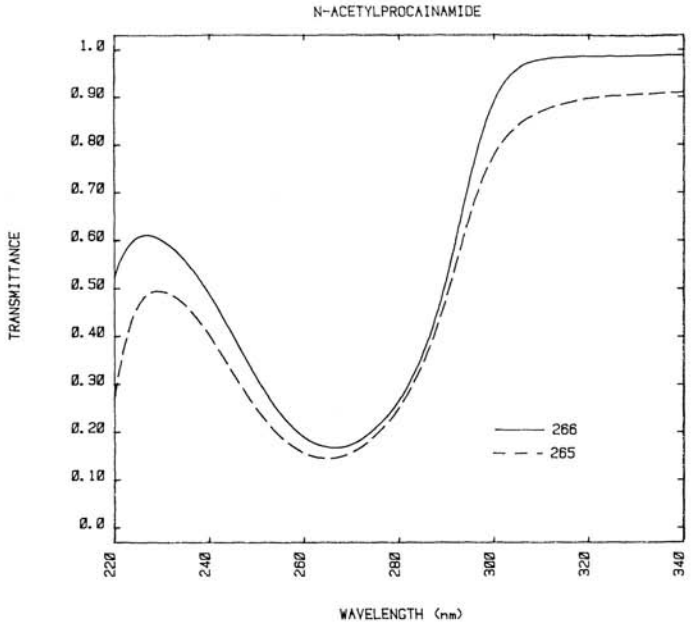
$C_{15}H_{23}N_3O_2$

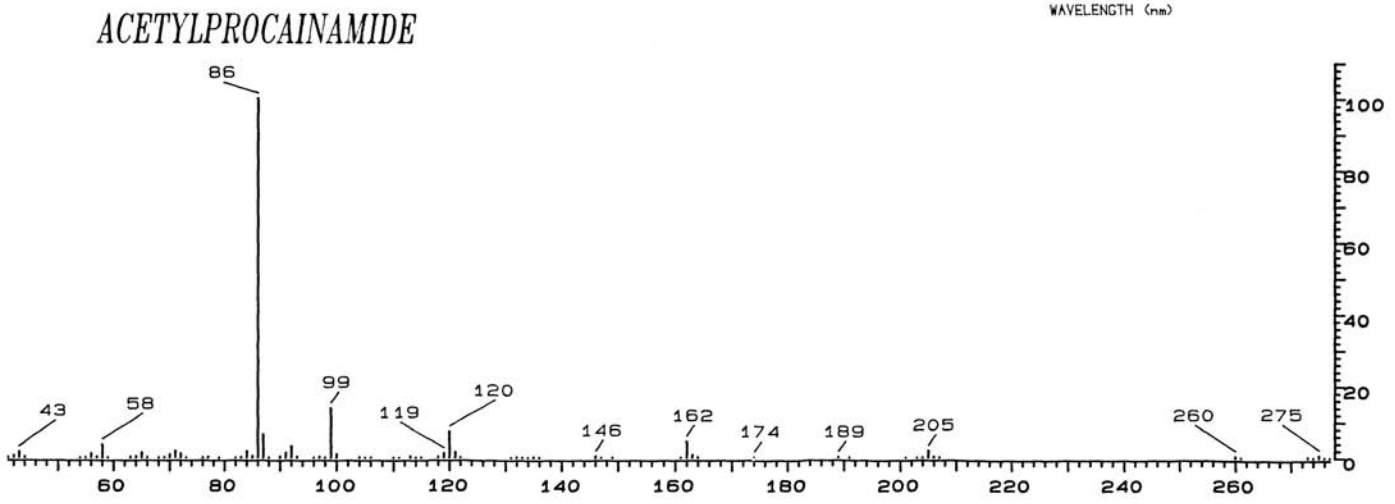
Molecular weight: 277.37 (277.18)
Synonyms: 4-Acetamido-N-[2-(diethylamino)ethyl]benzamide

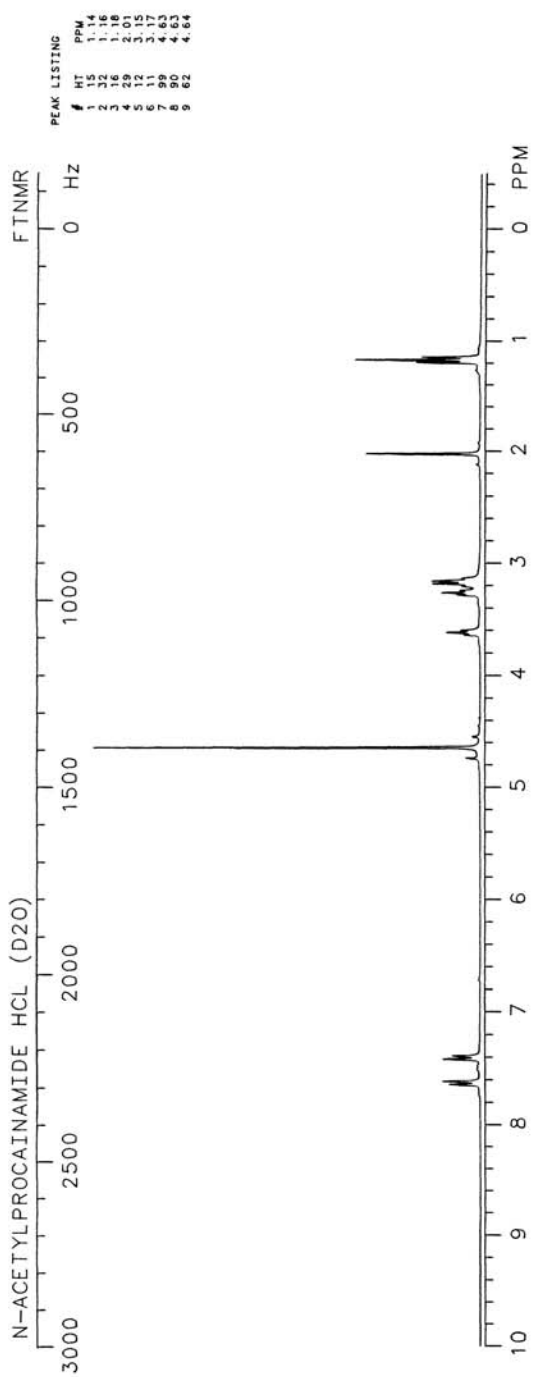
Trade names:

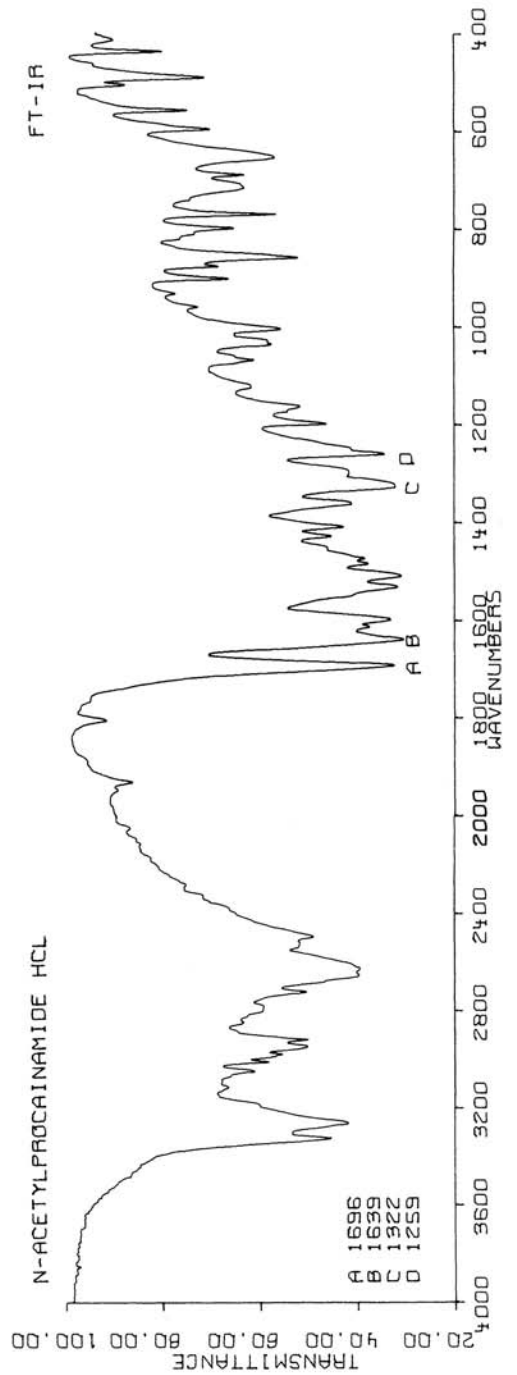
Use:
HPLC: Si-10; 20A:80B; 5.5
GC: 2698; 250°C








N-ACETYLPROCAINAMIDE HCL (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 15 1.14
2 32 1.16
3 16 1.18
4 29 2.01
5 12 3.15
6 11 3.17
7 99 4.63
8 90 4.63
9 62 4.64


N-ACETYLPROCAINAMIDE HCL
FT-IR
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1696
B 1639
C 1322
D 1259

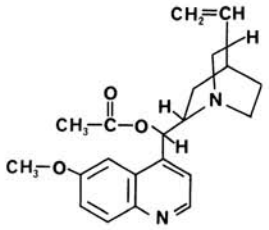
ACETYLQUININE

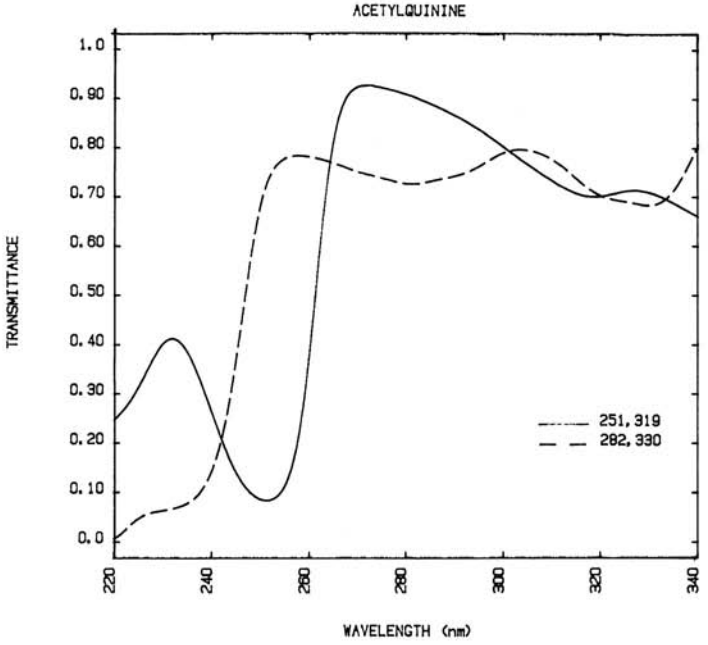
$C_{22}H_{26}N_2O_3$

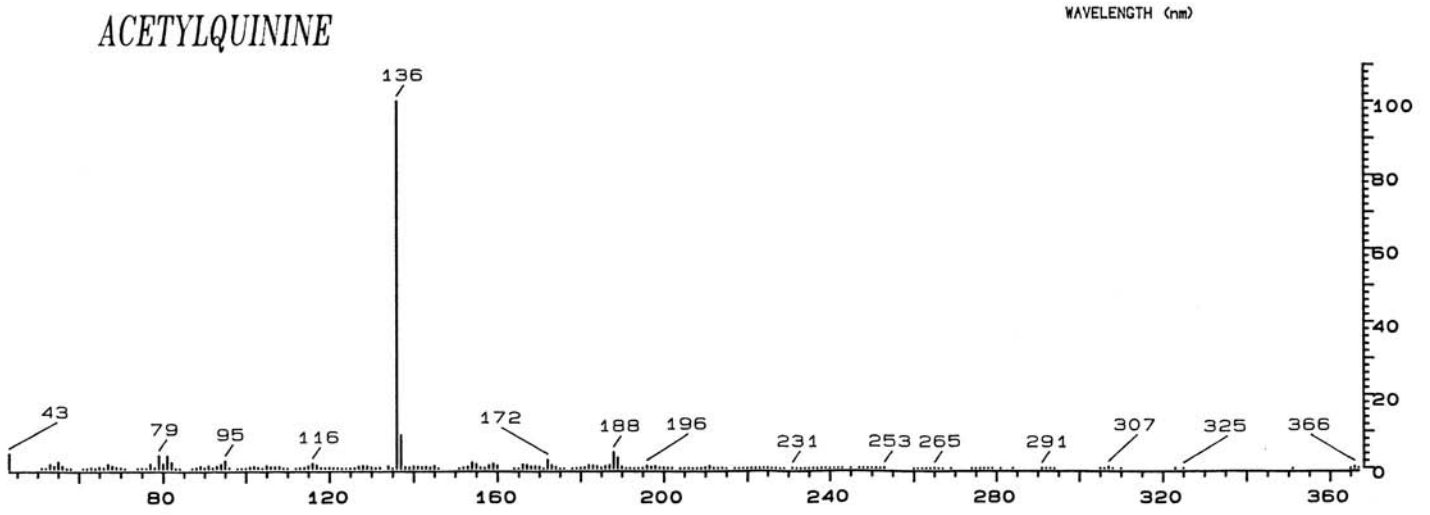
Molecular weight: 366.46 (366.19)
Synonyms: 9-Acetyloxy-6'-methoxycinchonan

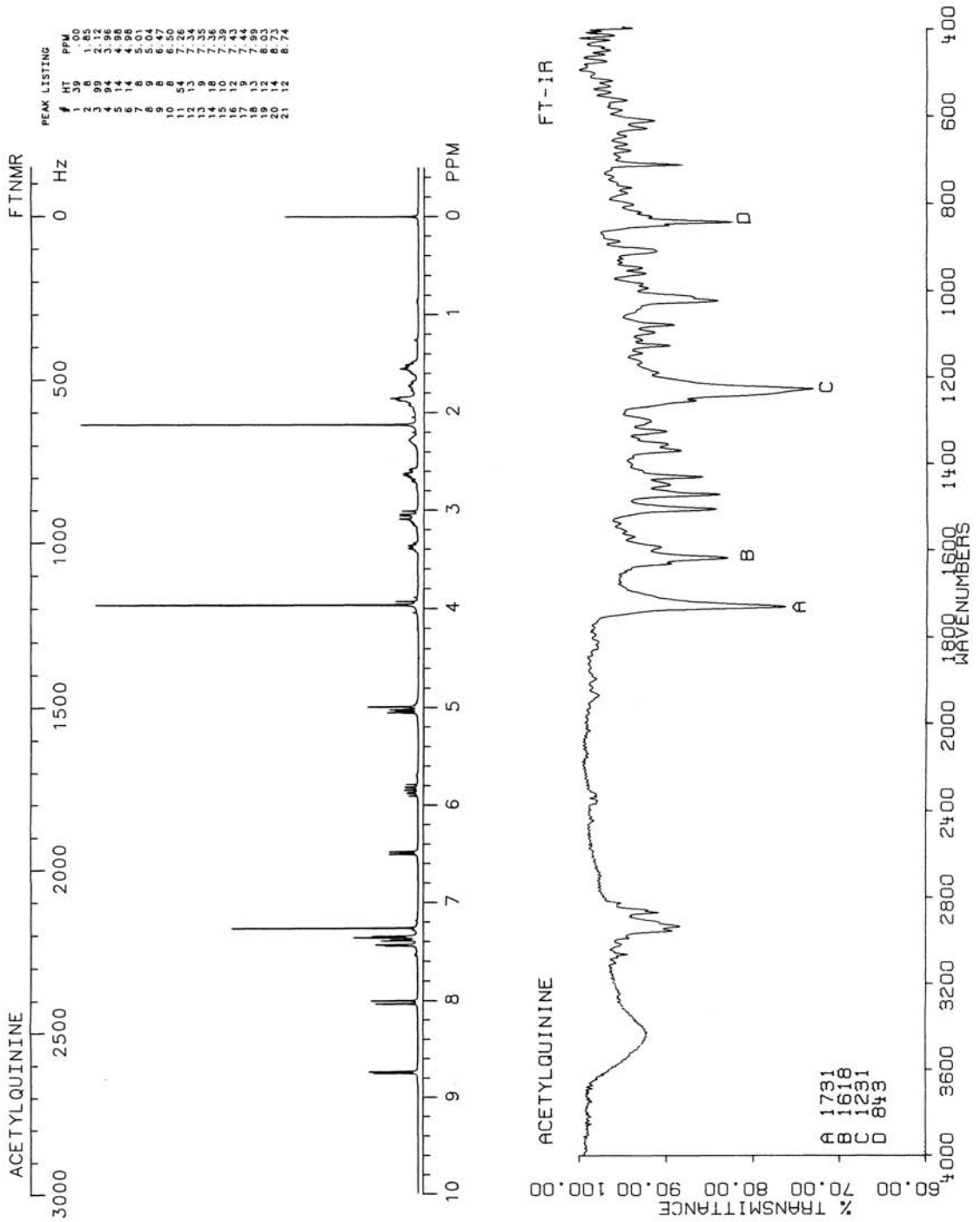
Trade names:

Use:
HPLC: Si-10; 4A:96B; 4.3
GC: 2829; 280°C







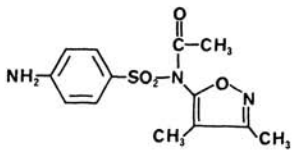

FTNMR
ACETYLQUININE
PEAK LISTING
HT PPM
1 39 1.00
2 8 1.85
3 99 2.12
4 94 3.96
5 14 4.88
6 14 4.98
7 8 5.01
8 9 5.04
9 8 6.47
10 8 6.50
11 54 7.26
12 15 7.34
13 9 7.35
14 18 7.36
15 10 7.39
16 12 7.43
17 9 7.44
18 13 7.59
19 12 8.03
20 14 8.73
21 12 8.74
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
ACETYLQUININE
A 1731
B 1618
C 1231
D 843
A
B
C
D
% TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

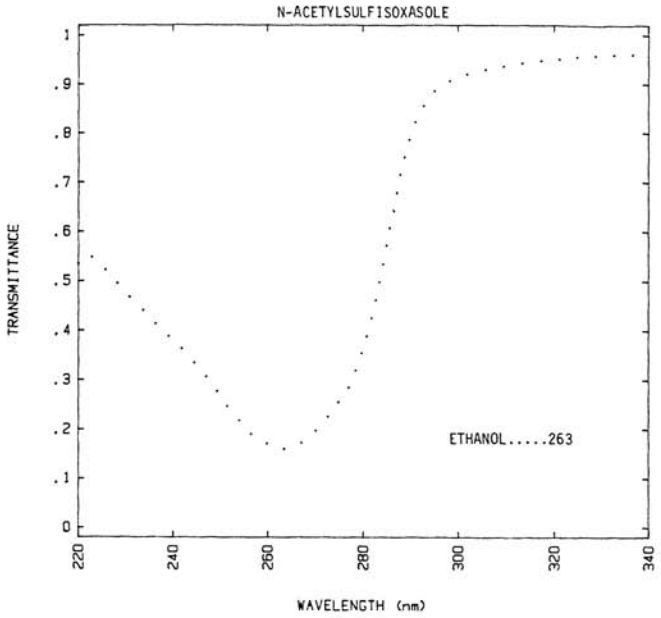
N-ACETYLSULFISOXAZOLE

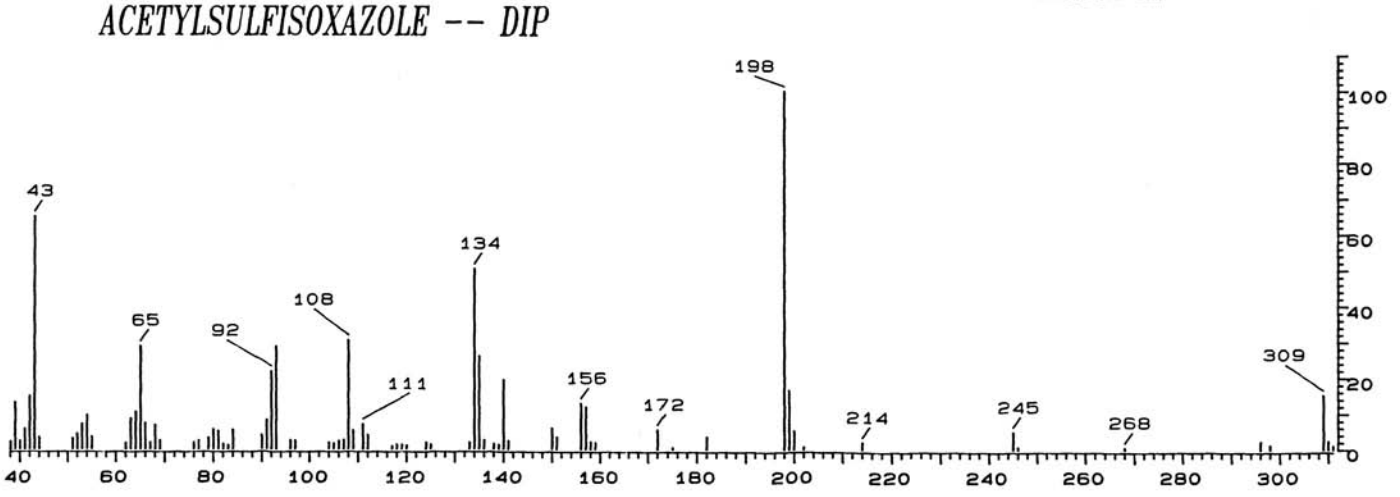
$C_{13}H_{15}N_3O_4S$

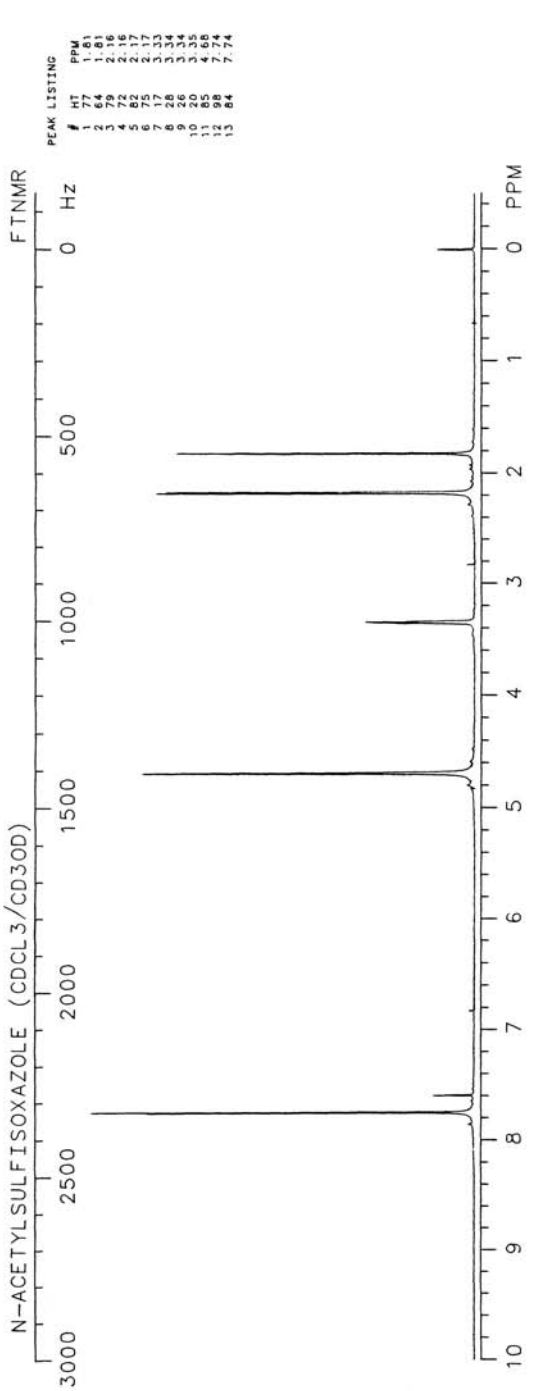
Molecular weight: 309.35 (309.08)
Synonyms: N-[(4-Aminophenyl)sulfonyl]-N-(3,4-dimethyl-5-isoxazolyl)acetamide; N'-Monoacetylsulfisoxazole
Trade names: Gantrisin Acetyl, Pediazole, Lipo Gantrisin

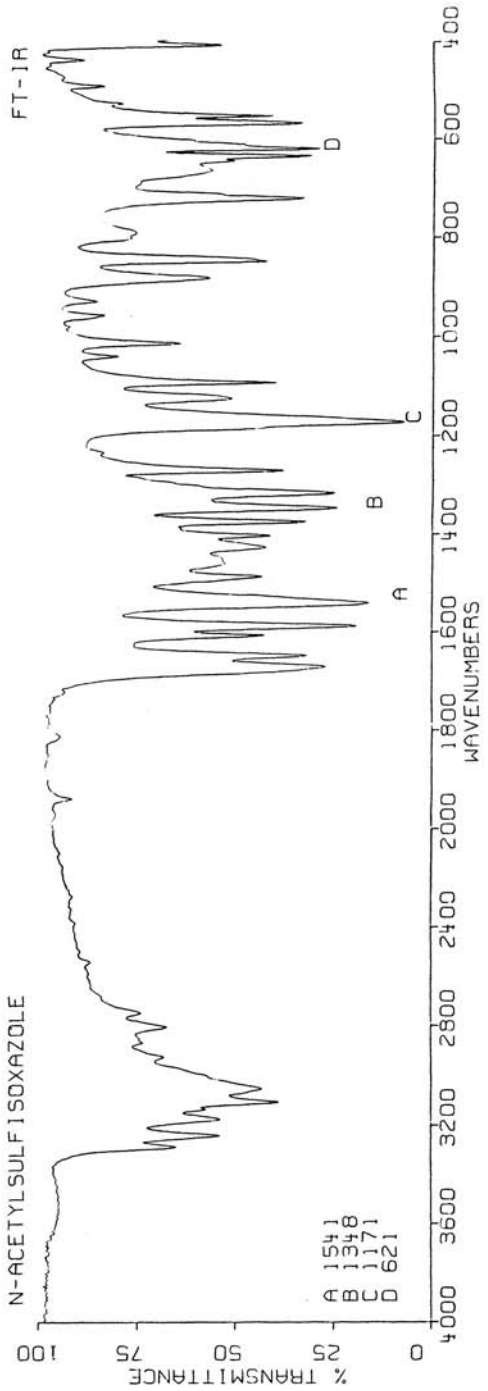
Use: Antibacterial
HPLC: Si-10; 10A;90B; 5.1
GC:








FTNMR
N-ACETYLSULFISOXAZOLE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 77 1.81
2 64 1.81
3 79 2.16
4 72 2.16
5 82 2.17
6 75 2.17
7 17 3.33
8 28 3.34
9 26 3.34
10 20 3.35
11 85 4.68
12 98 7.74
13 84 7.74
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
N-ACETYLSULFISOXAZOLE
A 1541
B 1348
C 1171
D 621
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

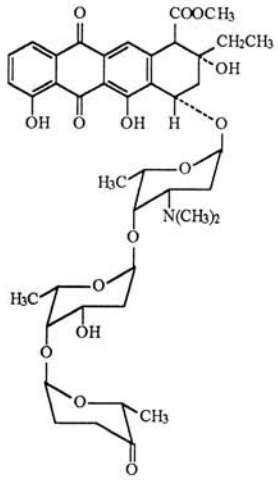
ACLARUBICIN

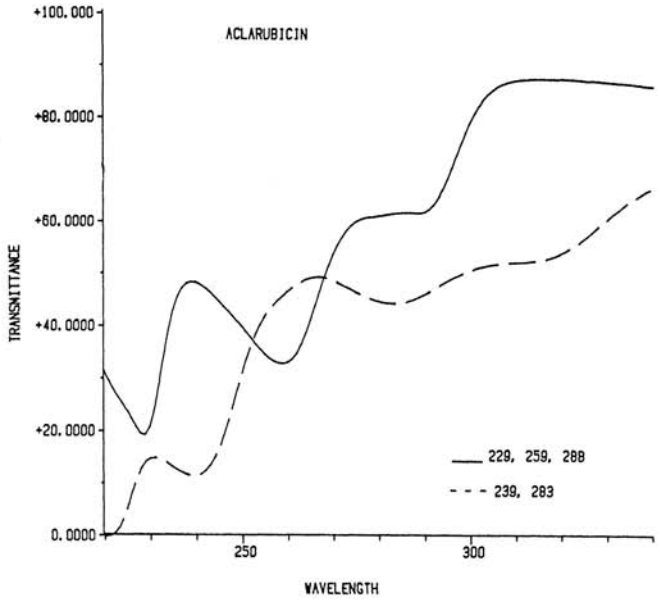
$C_{42}H_{53}NO_{15}$

Molecular Weight: 811.88 (811.34)

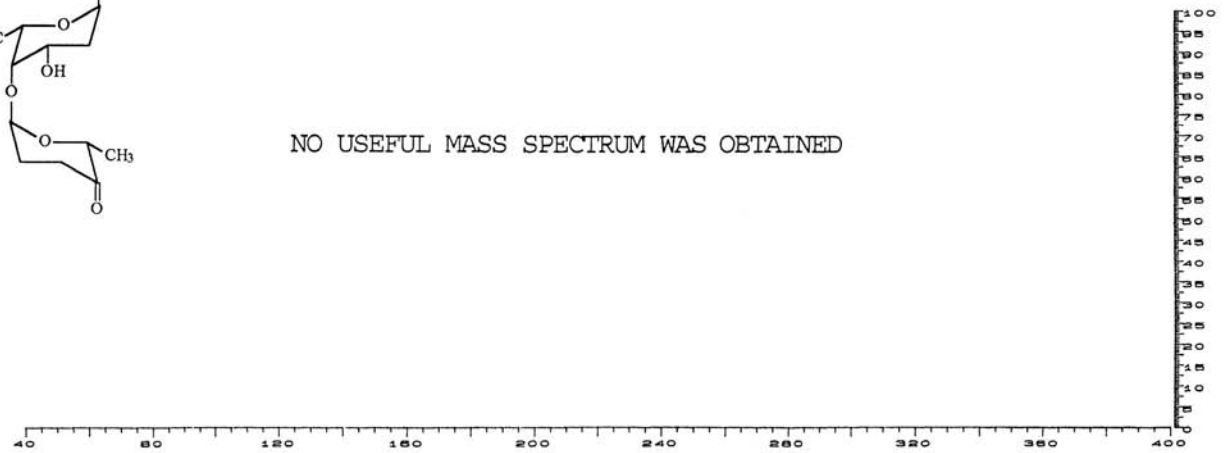
Synonyms: 2-Ethyl-1,2,3,4,6,11-hexahydro-2,5,7-trihydroxy-6,11-dioxo-4-[[2,3,6-trideoxy-4-O-[2,6-dideoxy-4-O-[(2R-trans)-tetrahydro-6-methyl-5-oxo2H-pyran-2-yl]-α-L-lyxo-hexopyranosyl]-3-(dimethylamino)-α-L-lyxo-hexopyranosyl]oxy]-1-naphthacenecarboxylic acid methyl ester; aclacinomycin A; Jaclacin
Trade Names: Aclarubicin, Aclacinon, Aclaplastin
Use: Antineoplastic

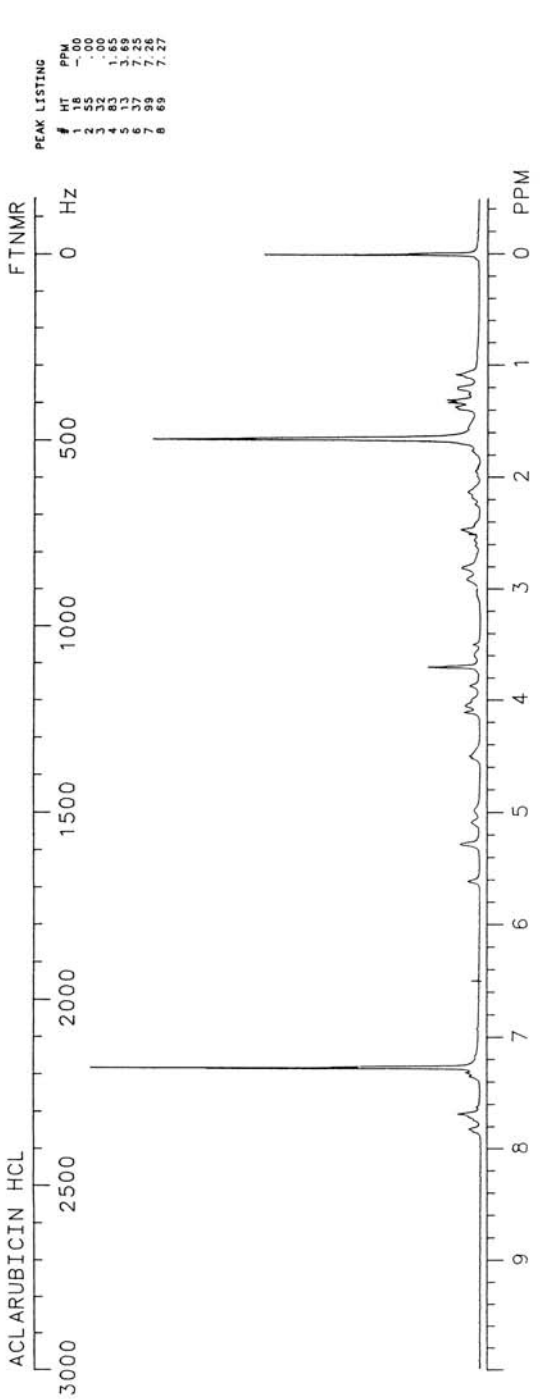
HPLC:
GC:

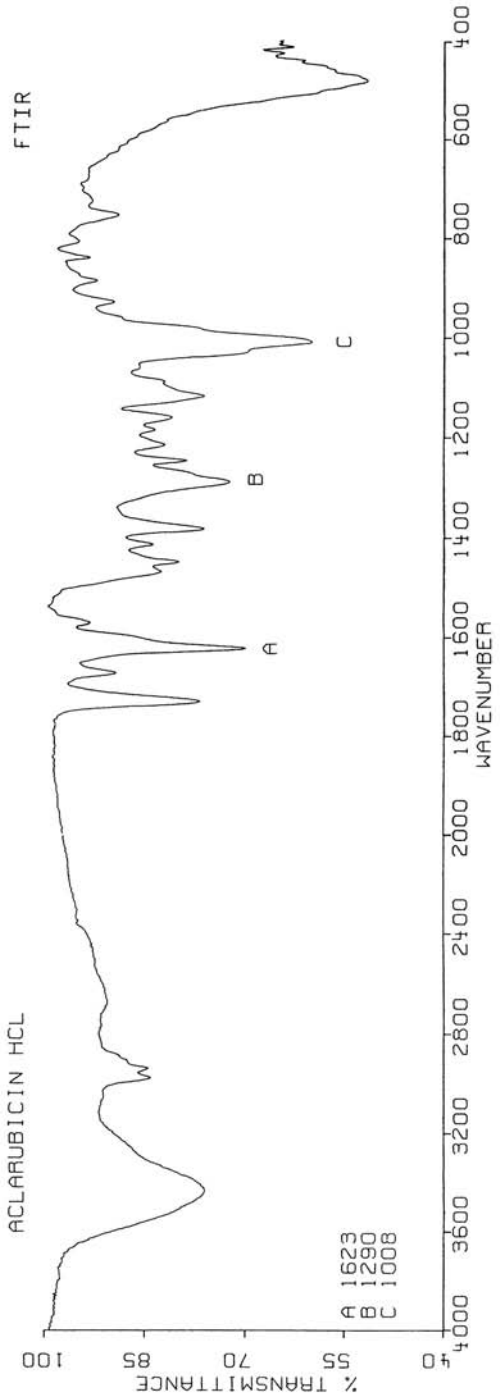




NO USEFUL MASS SPECTRUM WAS OBTAINED




ACLARUBICIN HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 18 -.00
2 55 .00
3 32 .00
4 83 11.65
5 13 7.69
6 33 7.55
7 99 7.26
8 69 7.27

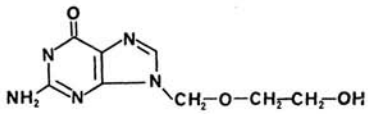

ACLARUBICIN HCL
FTIR
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
A 1623
B 1290
C 1008

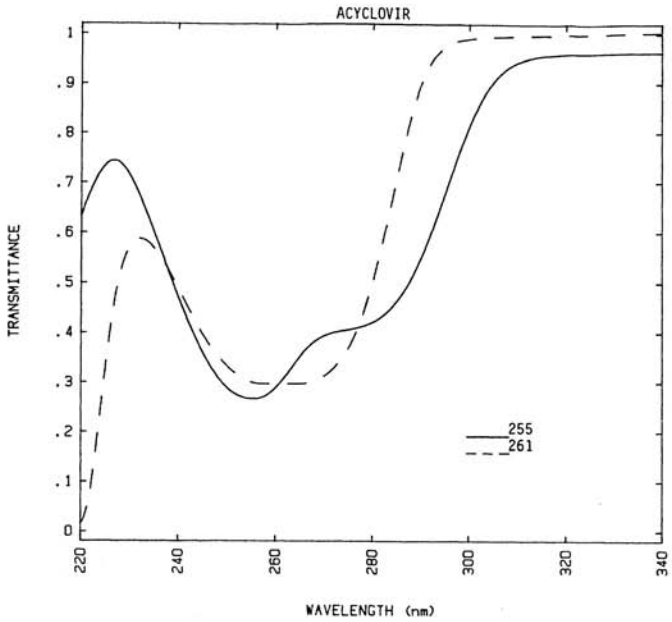
ACYCLOVIR

$C_8H_{11}N_5O_3$

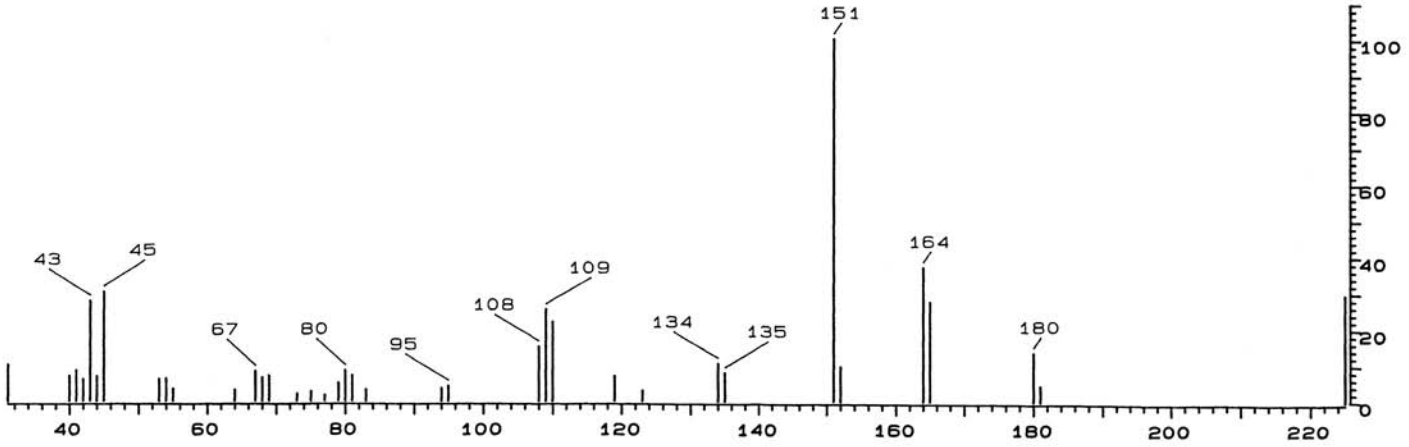
Molecular weight: 225.21 (225.09)
Synonyms: 2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6H-purin-6-one; acycloguanosine
Trade names: Zovirax

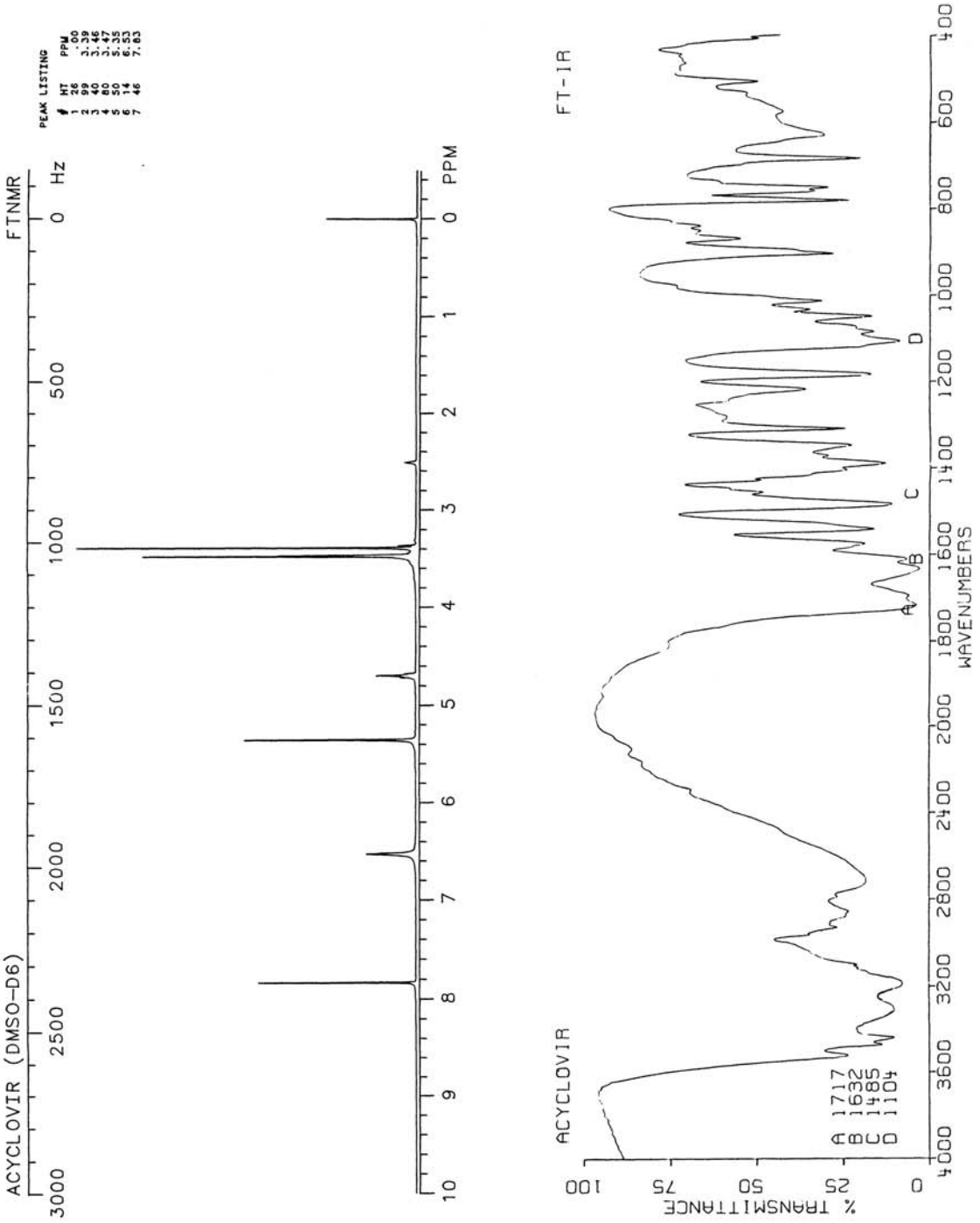
Use: Antiviral
HPLC: Si-10; 20A;80B; 3.8
GC:





ACYCLOVIR -- DIP

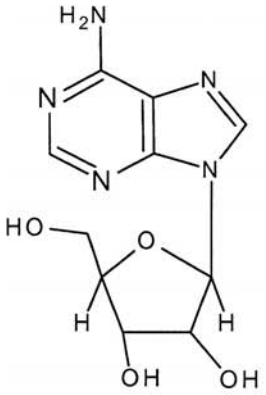


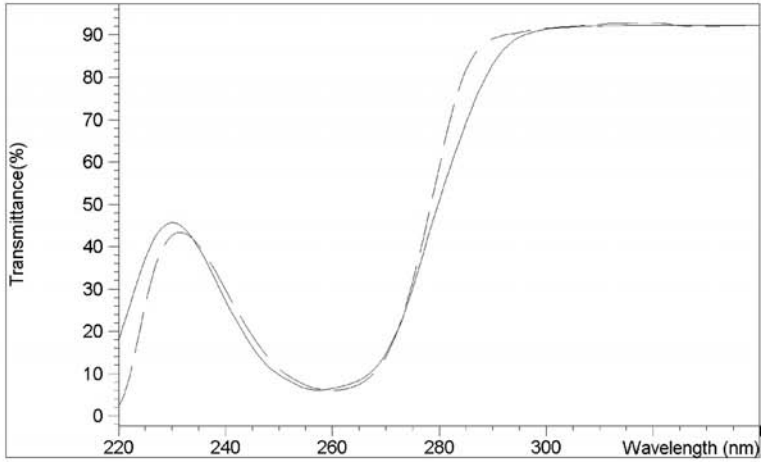

ACYCLOVIR (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 26 .00
2 99 31.39
3 40 31.46
4 80 31.47
5 50 51.35
6 14 67.53
7 46 7.83
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ACYCLOVIR
FT-IR
A 1717
B 1632
C 1485
D 1104
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

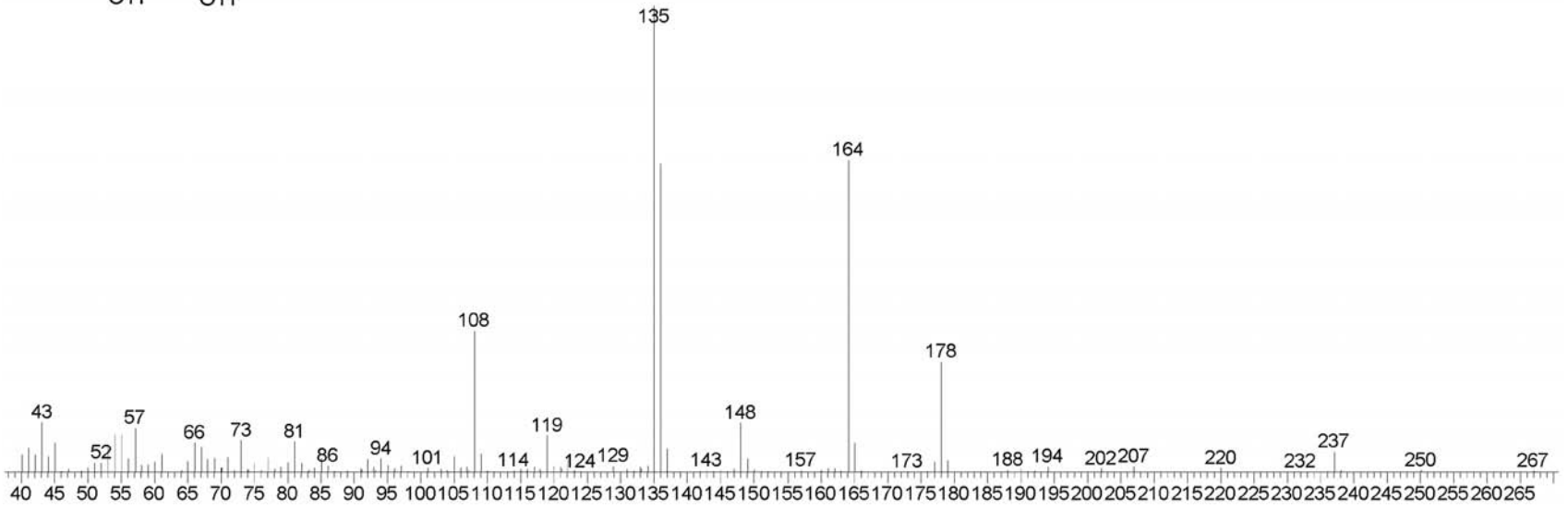
ADENOSINE

$C_{10}H_{13}N_5O_4$

Molecular Weight: 267.24 (267.09)
Synonyms: 9-β-D-ribofuranosidoadenine, adenine riboside
Trade names: Adenocard, Adenoscan, Adencor
Use: Cardiac depressant (anti-arrhythmic)

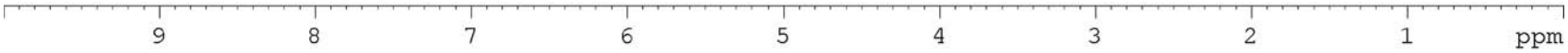




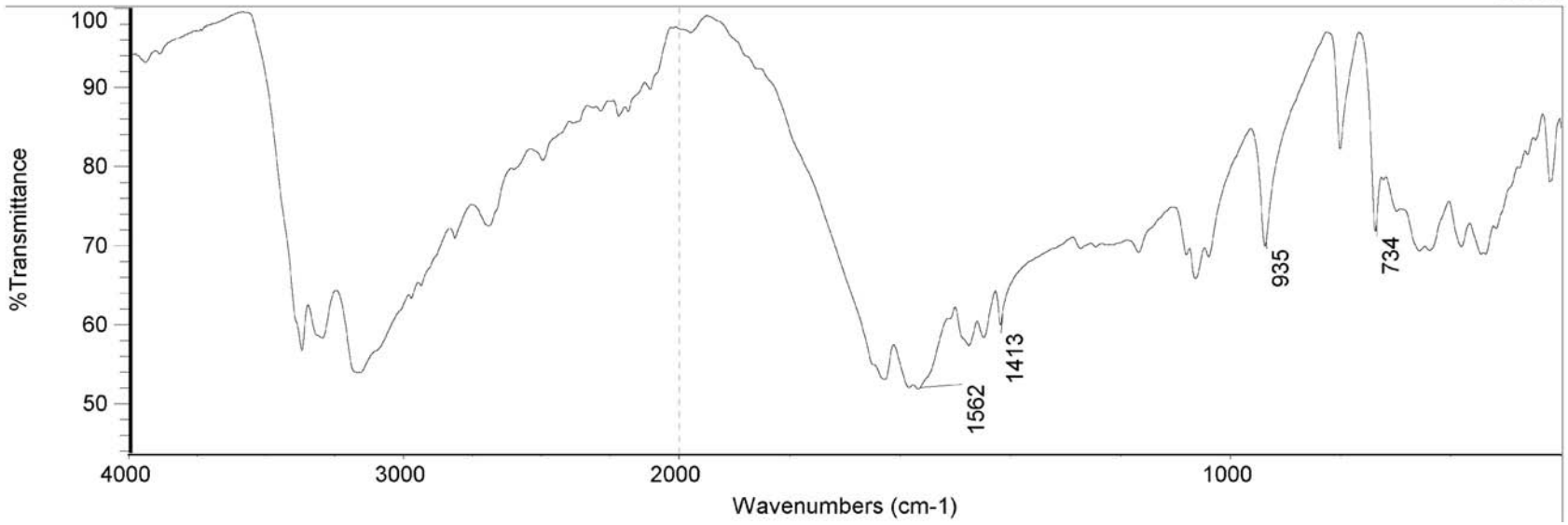


ADENOSINE FTNMR

NO USEFUL NMR SPECTRUM



FT-IR

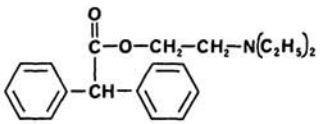


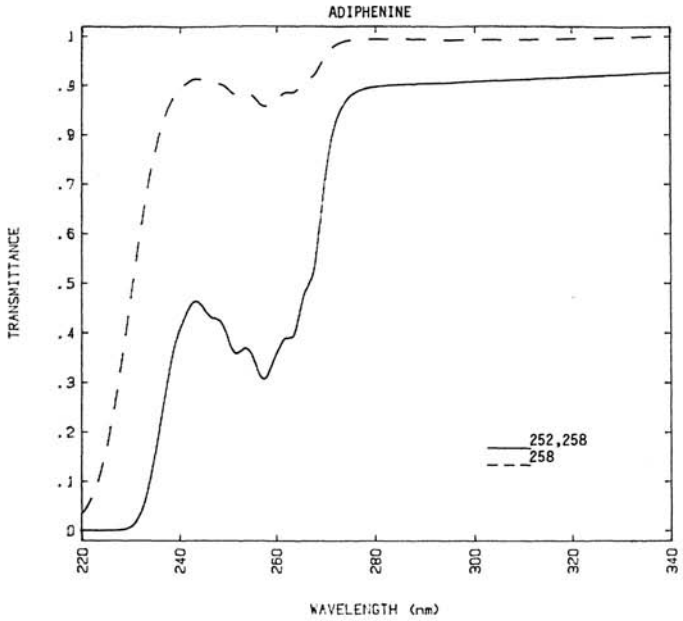
ADIPHENINE

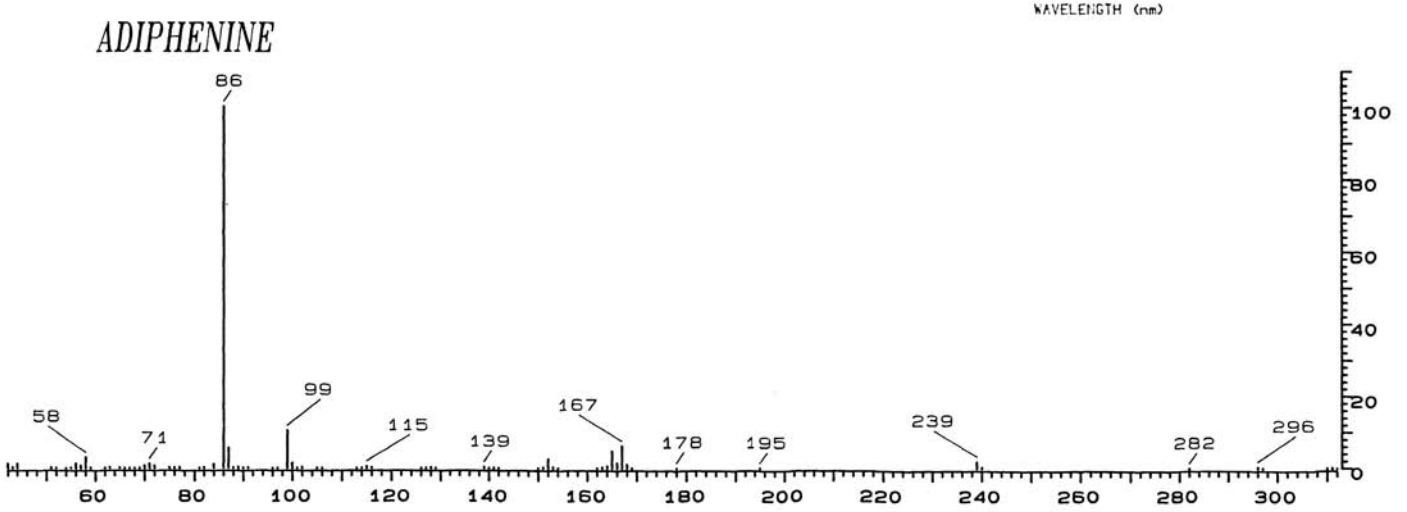
$C_{20}H_{25}NO_2$

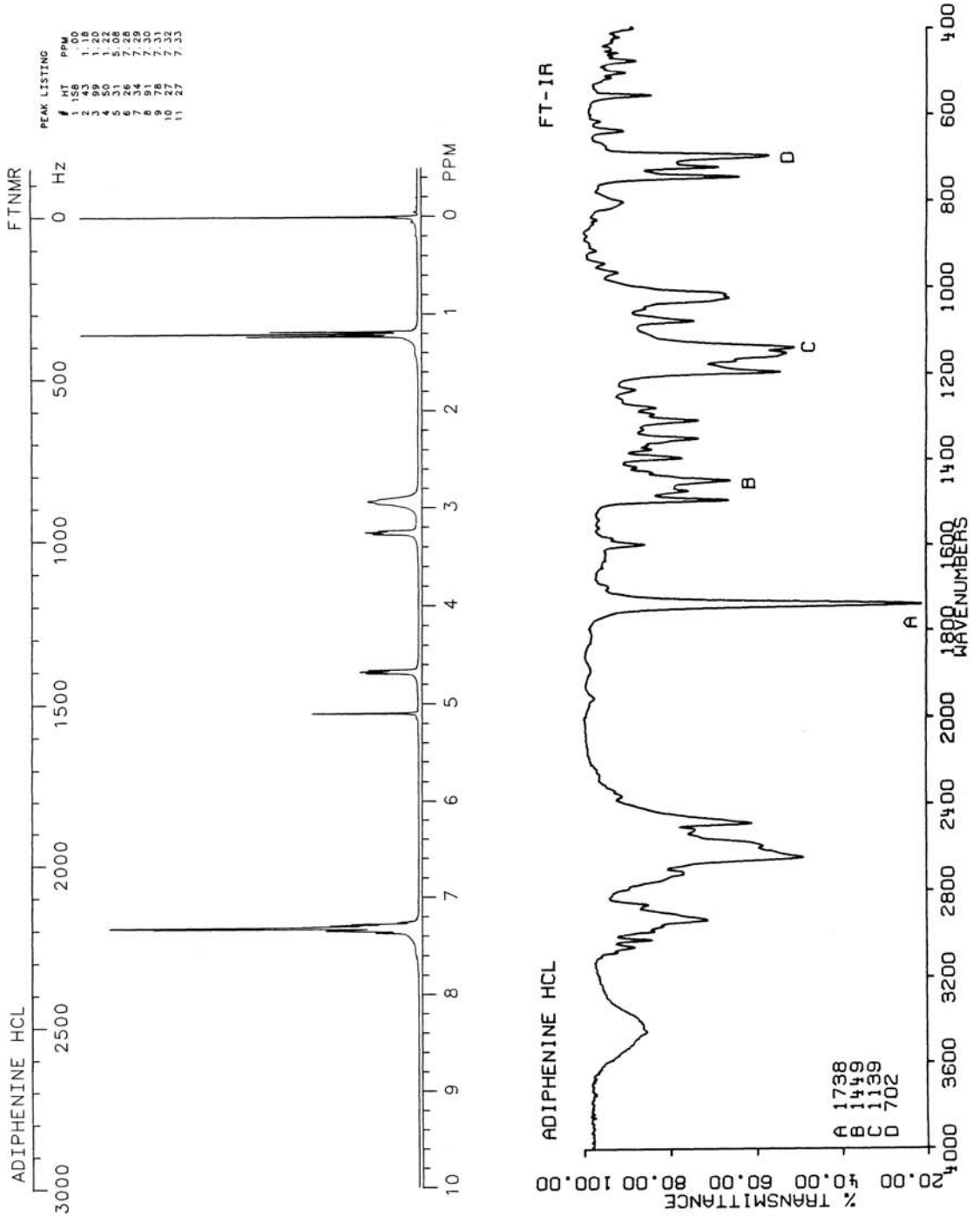
Molecular weight: 311.41 (311.19)
Synonyms: α-Phenylbenzeneacetic acid 2-(diethylamino)ethylester;
2-diethylaminoethyldiphenyl acetate
Trade names: Difacil, Diphacil, Patrovina, Spasmolytin, Trasentine

Use: Anticholinergic
HPLC: Si-10; 2A:98B; 5.5
GC: 2236; 250°C








ADIPHENINE HCL
FTNMR
PEAK LISTING
HT PPM
1 158 1.00
2 43 1.18
3 99 1.20
4 50 1.22
5 31 5.08
6 26 7.28
7 14 7.29
8 91 7.30
9 78 7.31
10 27 7.32
11 27 7.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ADIPHENINE HCL
FT-IR
A 1738
B 1449
C 1139
D 702
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

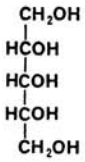
ADONITOL

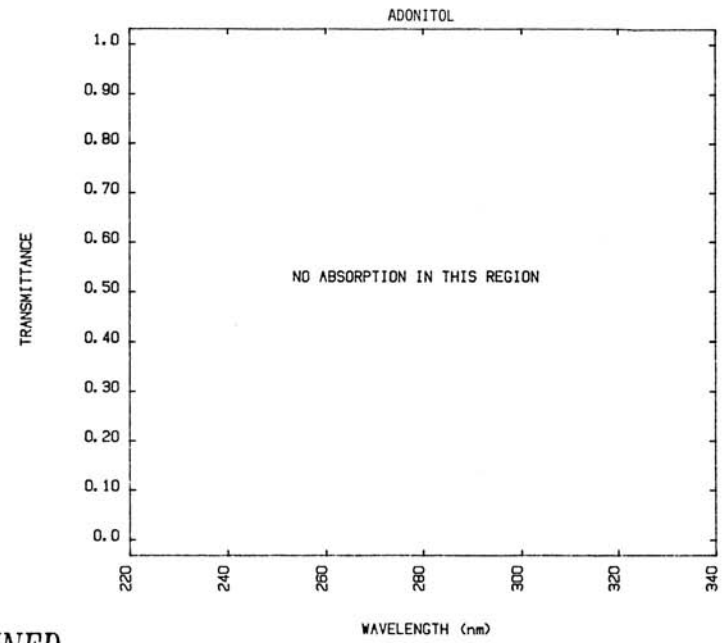
$C_5H_{12}O_5$

Molecular weight: 152.15 (152.07)
Synonyms: Ribitol, adonite

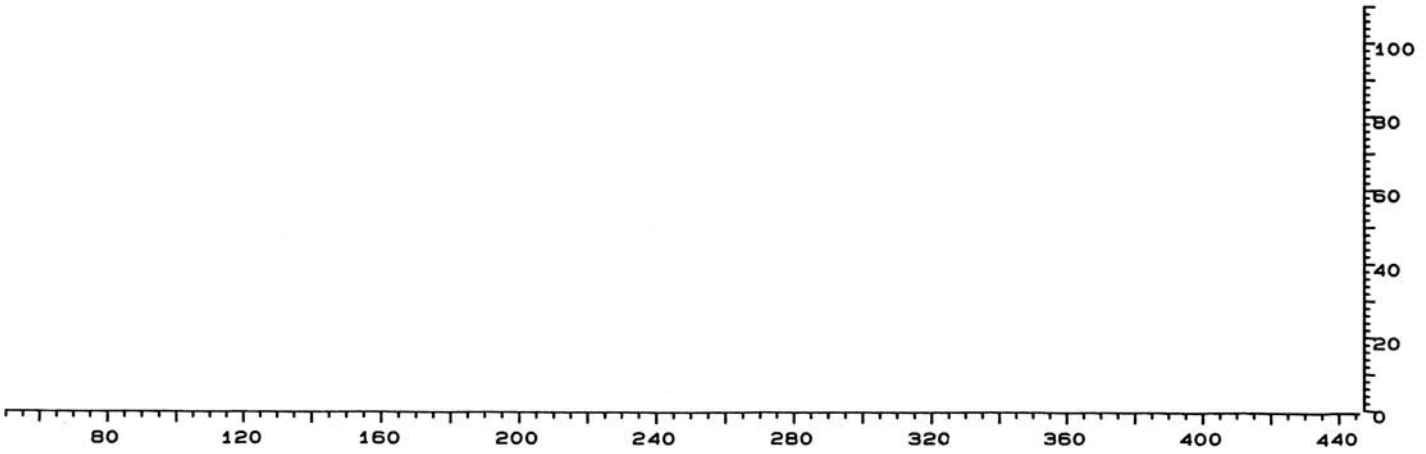
Trade names:

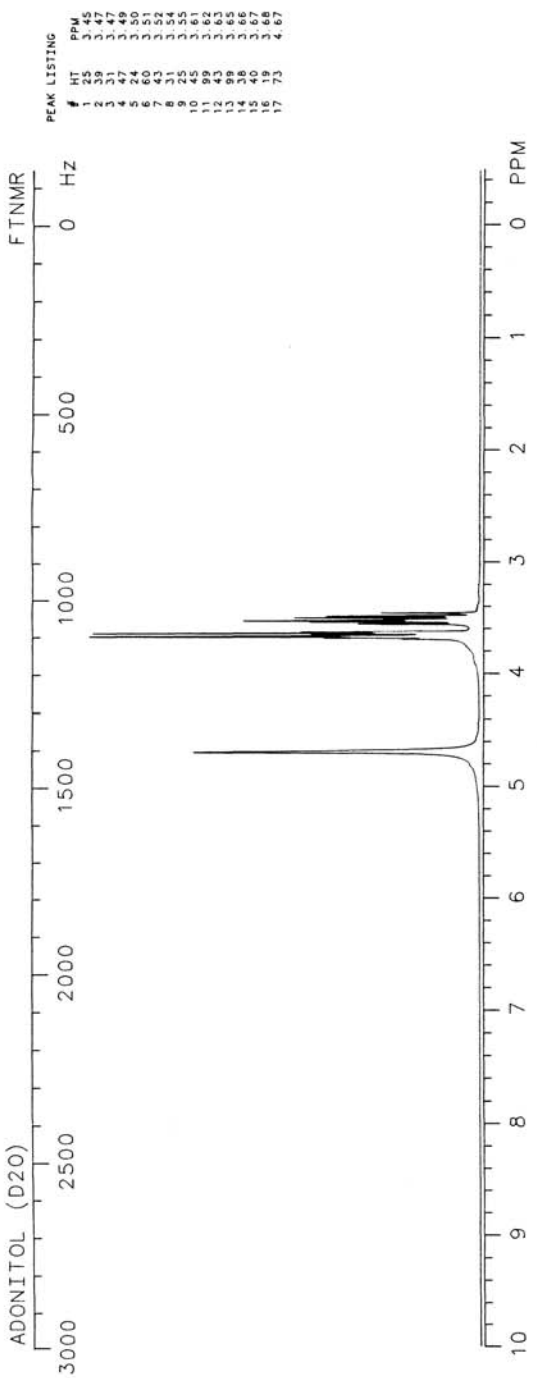
Use: Sugar
HPLC:
GC:

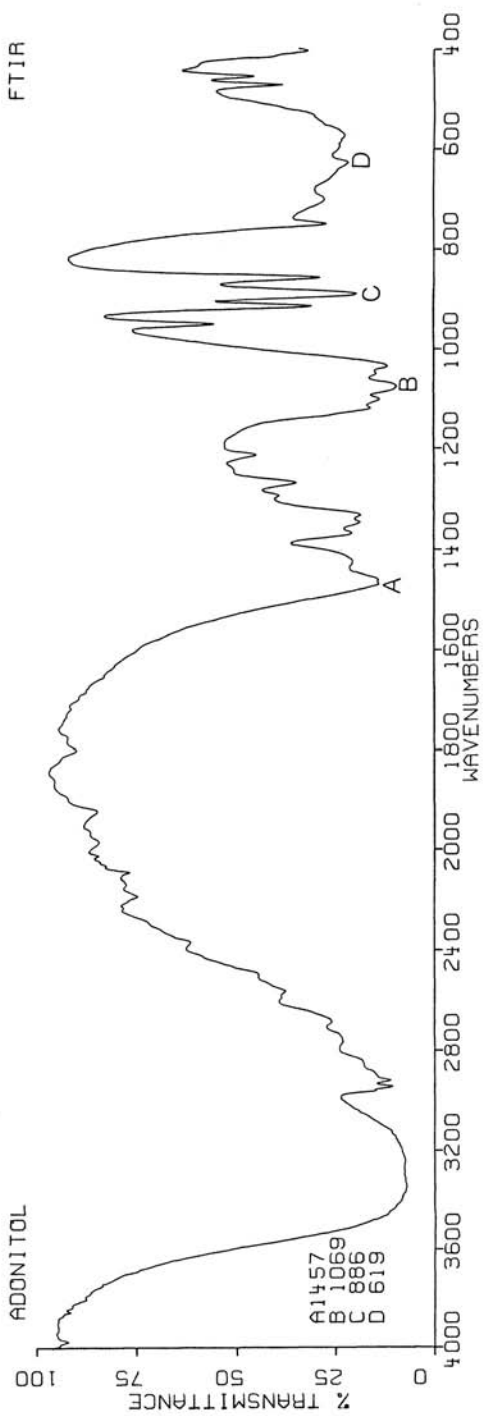




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
ADONITOL (D2O)
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 25 3.45
2 39 3.47
3 31 3.47
4 47 3.49
5 24 3.50
6 60 3.51
7 43 3.52
8 31 3.54
9 25 3.55
10 45 3.61
11 49 3.62
12 45 3.63
13 99 3.65
14 38 3.66
15 40 3.67
16 19 3.68
17 73 4.67


FTIR
ADONITOL
A 1457
B 1069
C 886
D 619
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

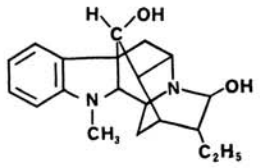
AJMALINE

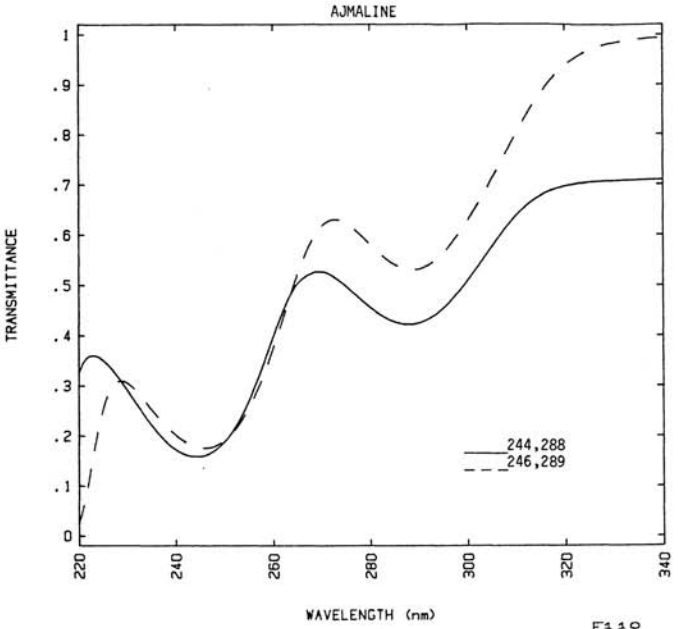
$C_{20}H_{26}N_2O_2$

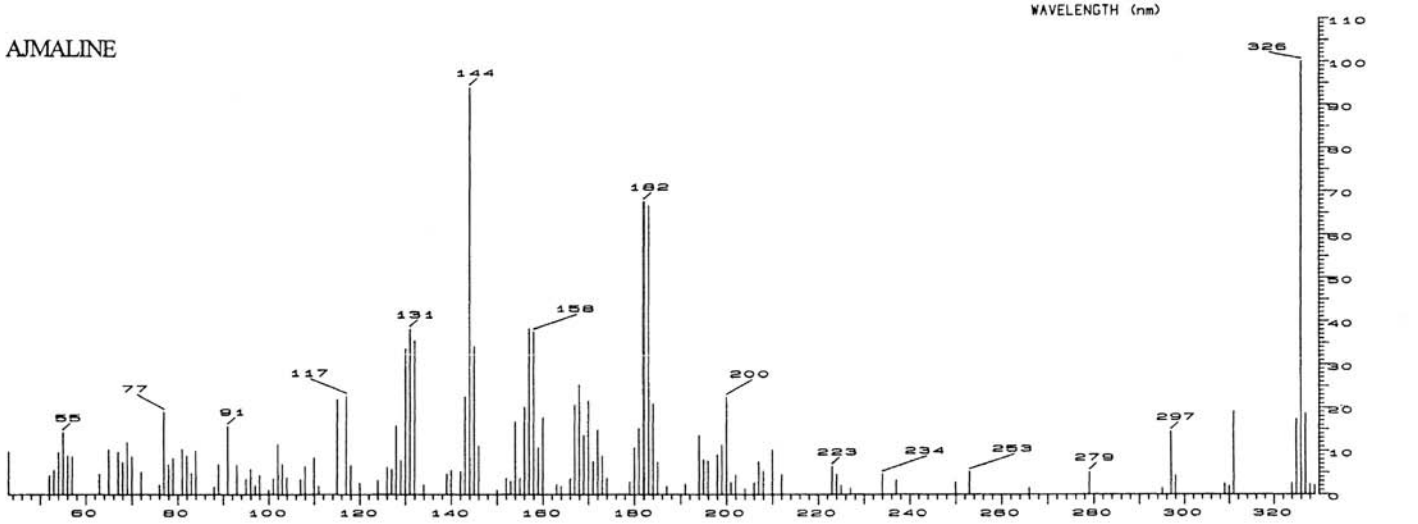
Molecular weight: 326.42 (326.20)
Synonyms: (17R)-Ajmalan-17,21α-diol; Rauwolfine

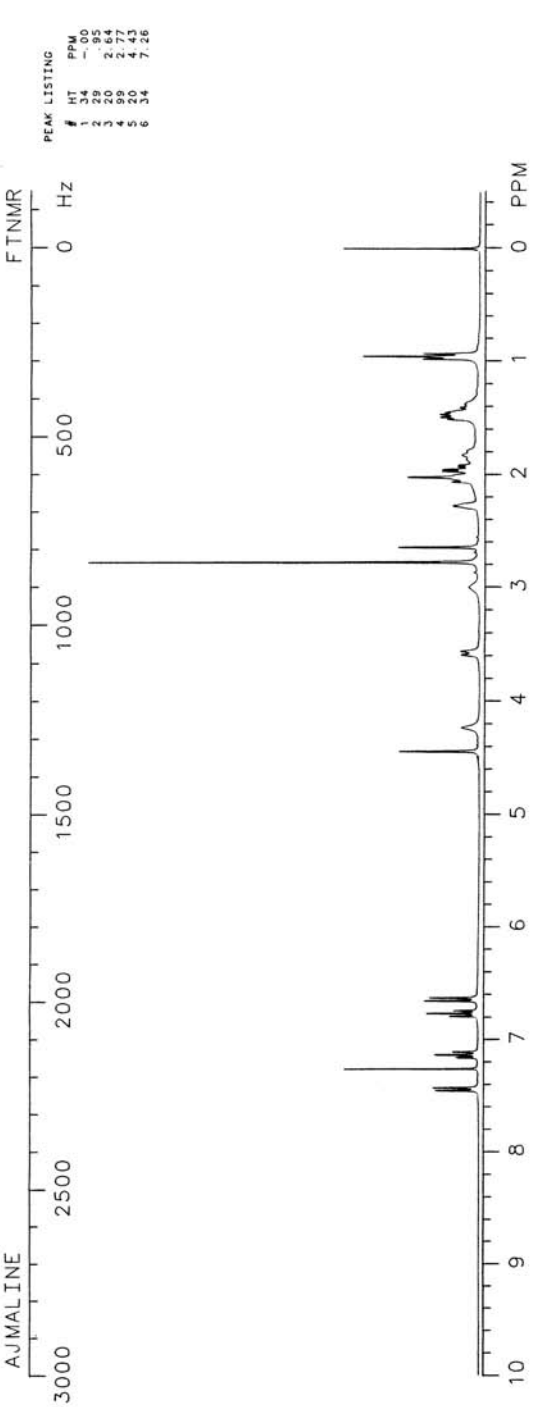
Trade names: Aritmina, Cardiorhytmine, Gilurytmal, Ritmos, Tachmalin

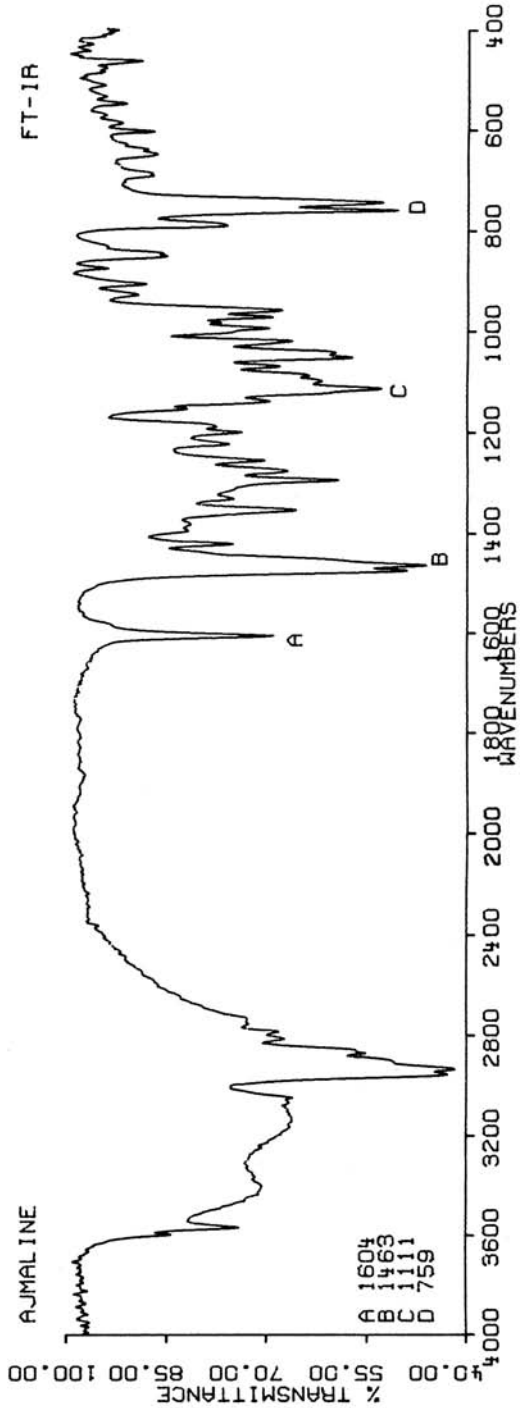
Use: Antihypertensive, tranquilizer
HPLC: Si-10; 20A:80B; 4.5
GC: 2860; 280°C







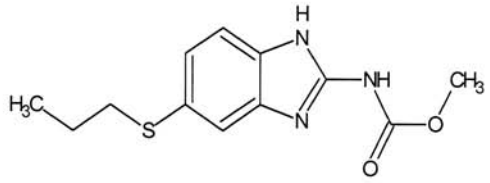

AJMALINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 34 -.00
2 29 .85
3 20 2.64
4 89 2.77
5 20 4.43
6 34 7.26
10 9 8 7 6 5 4 3 2 1 0 PPM

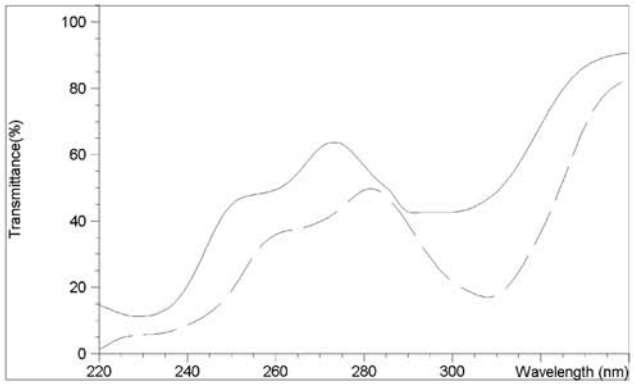

AJMALINE
FT-IR
A 1604
B 1463
C 1111
D 759
A
B
C
D
% TRANSMITTANCE
0.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

ALBENDAZOLE

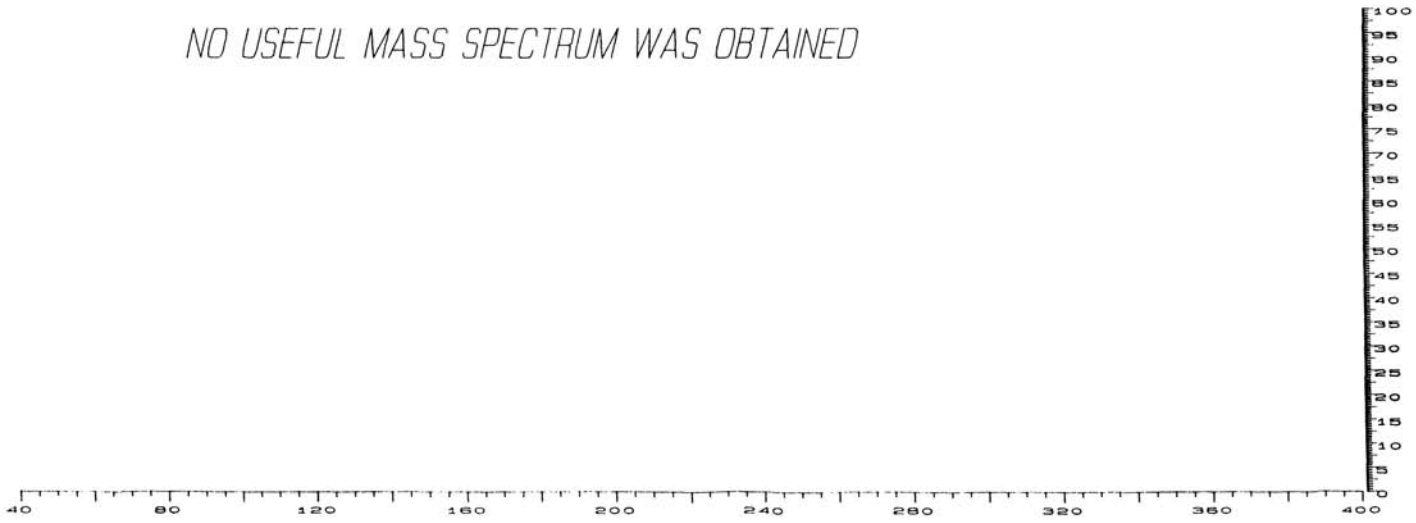
$C_{12}H_{15}N_3O_2S$

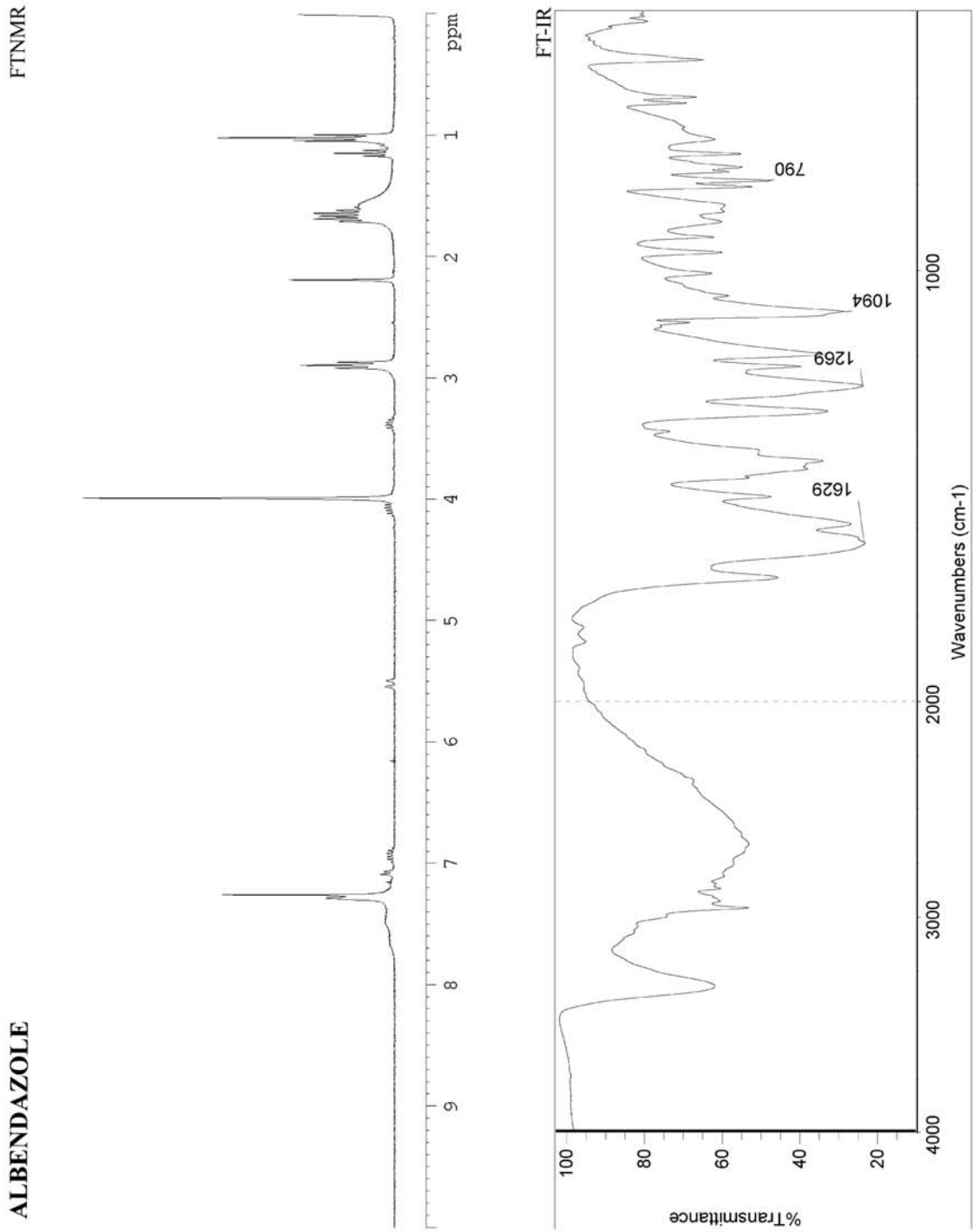
Molecular Weight: 265.34 (265.09)
Synonyms: [5-(Propylthio)-1*H*-benzimidazol-2-yl] carbamic acid methyl ester
Trade names: Valbazen, Albenza
Use: treatment for parasites, heminth infections





NO USEFUL MASS SPECTRUM WAS OBTAINED




ALBENDAZOLE
FTNMR
ppm
FT-IR
%Transmittance
Wavenumbers (cm-1)
790
1094
1269
1629

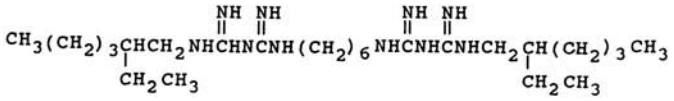
ALEXIDINE

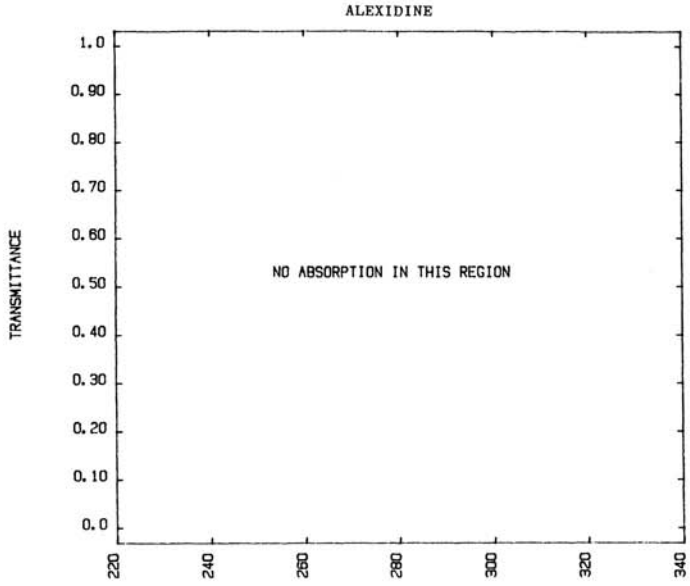
$C_{26}H_{56}N_{10}$

Molecular weight: 508.81 (508.47)

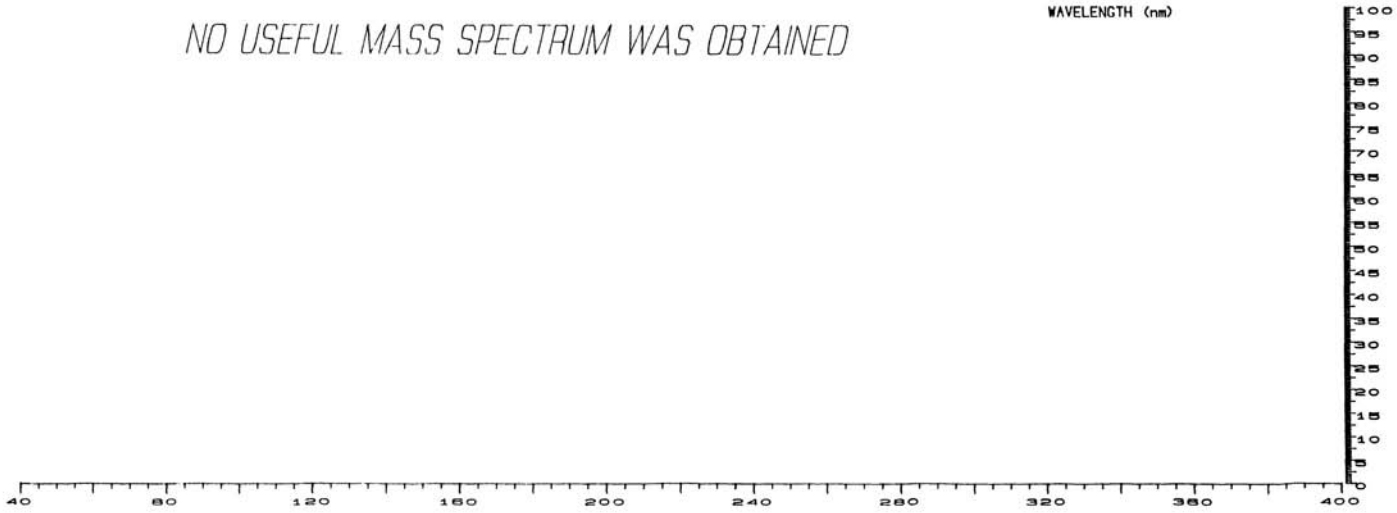
Synonyms: N,N''-Bis(2-ethylhexyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide
Trade names: Bisguadine

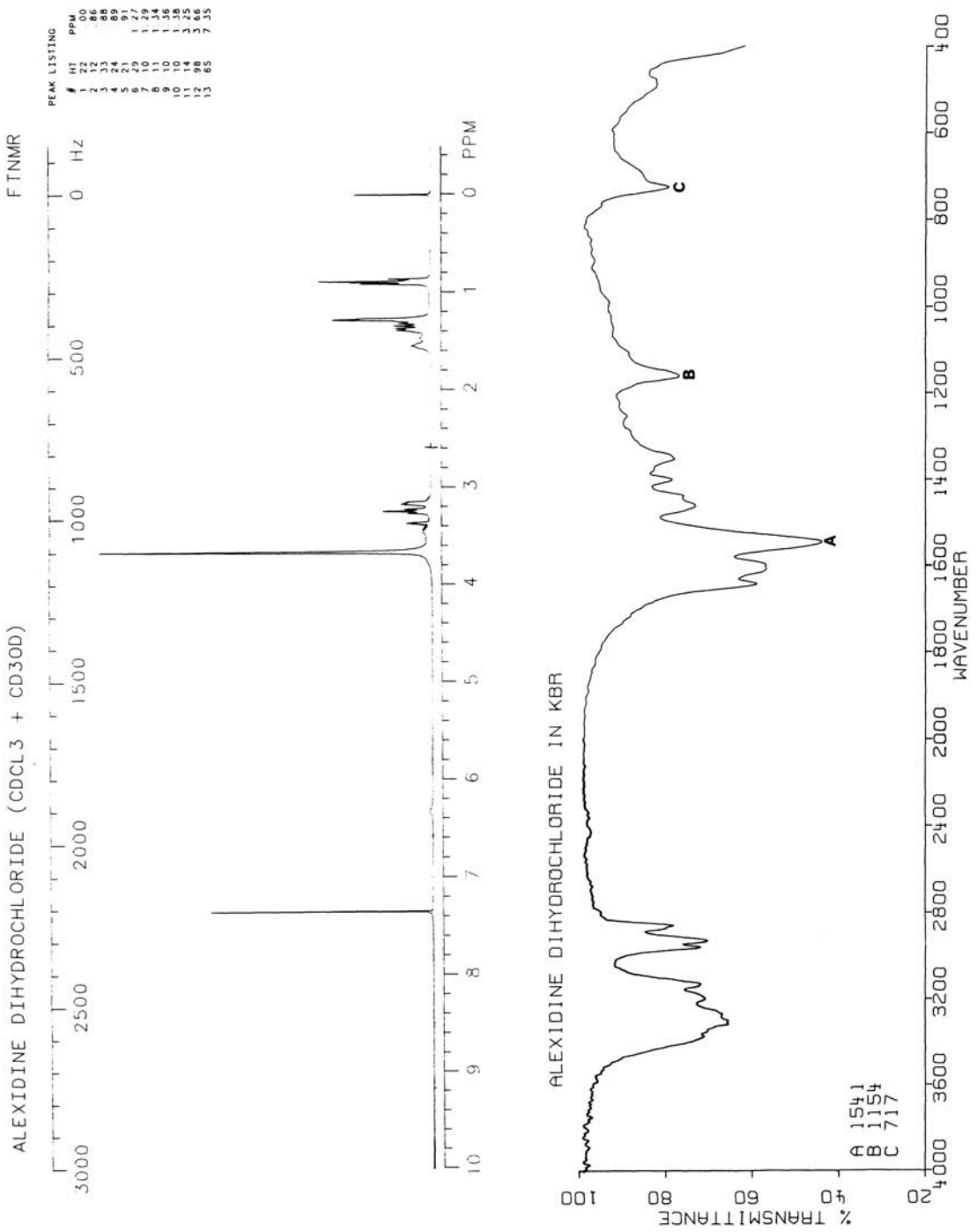
Use: Antibacterial
HPLC: 50A:50C; 2.3
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




ALEXIDINE DIHYDROCHLORIDE (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 22 .00
2 12 .86
3 13 .88
4 24 .89
5 21 .91
6 29 1.27
7 10 1.29
8 11 1.34
9 10 1.36
10 10 1.38
11 14 3.25
12 98 3.66
13 65 7.35
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ALEXIDINE DIHYDROCHLORIDE IN KBR
A 1541
B 1154
C 717
% TRANSMITTANCE
WAVENUMBER
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
100 80 60 40 20

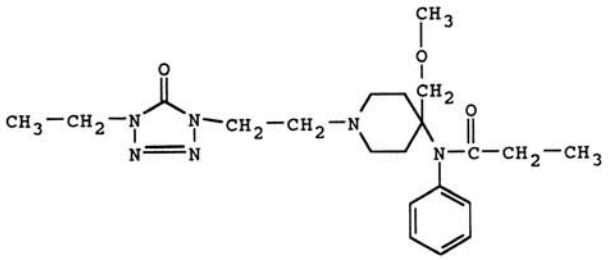
ALFENTANIL

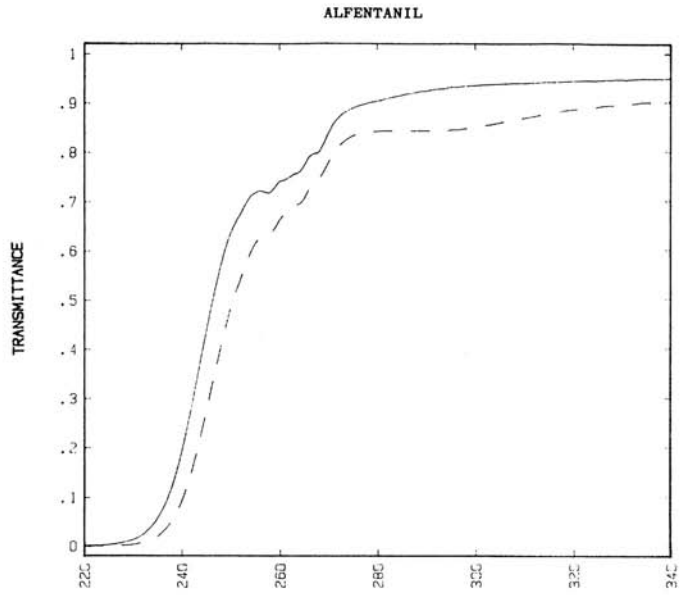
$C_{21}H_{32}N_6O_3$

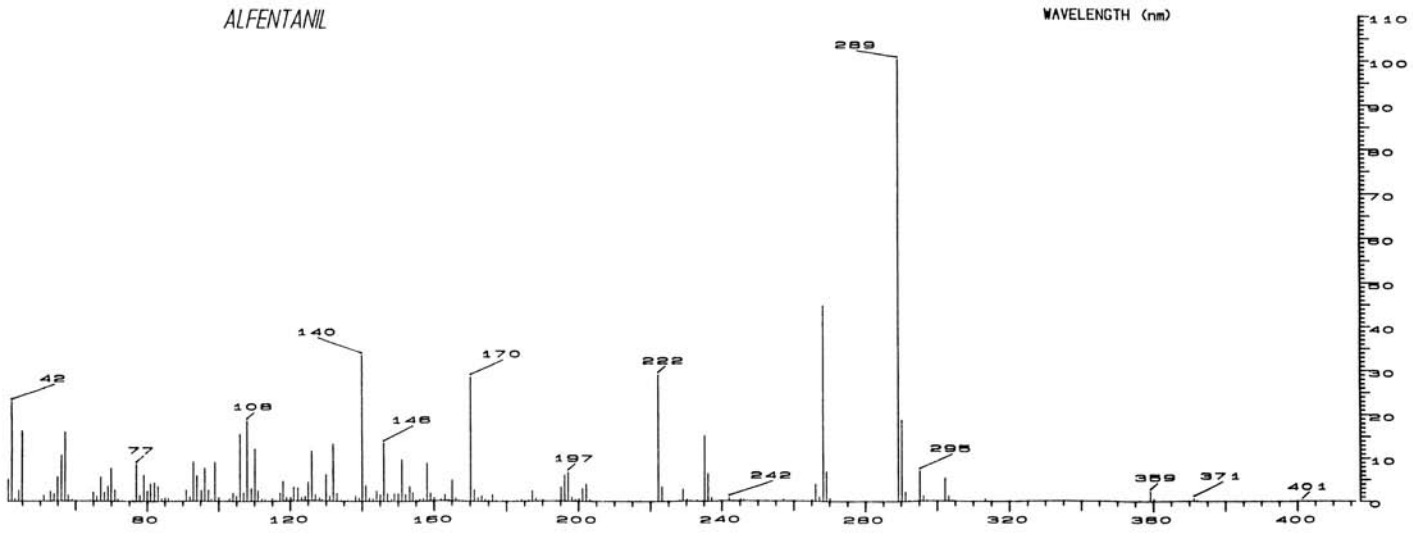
Molecular weight: 416.52

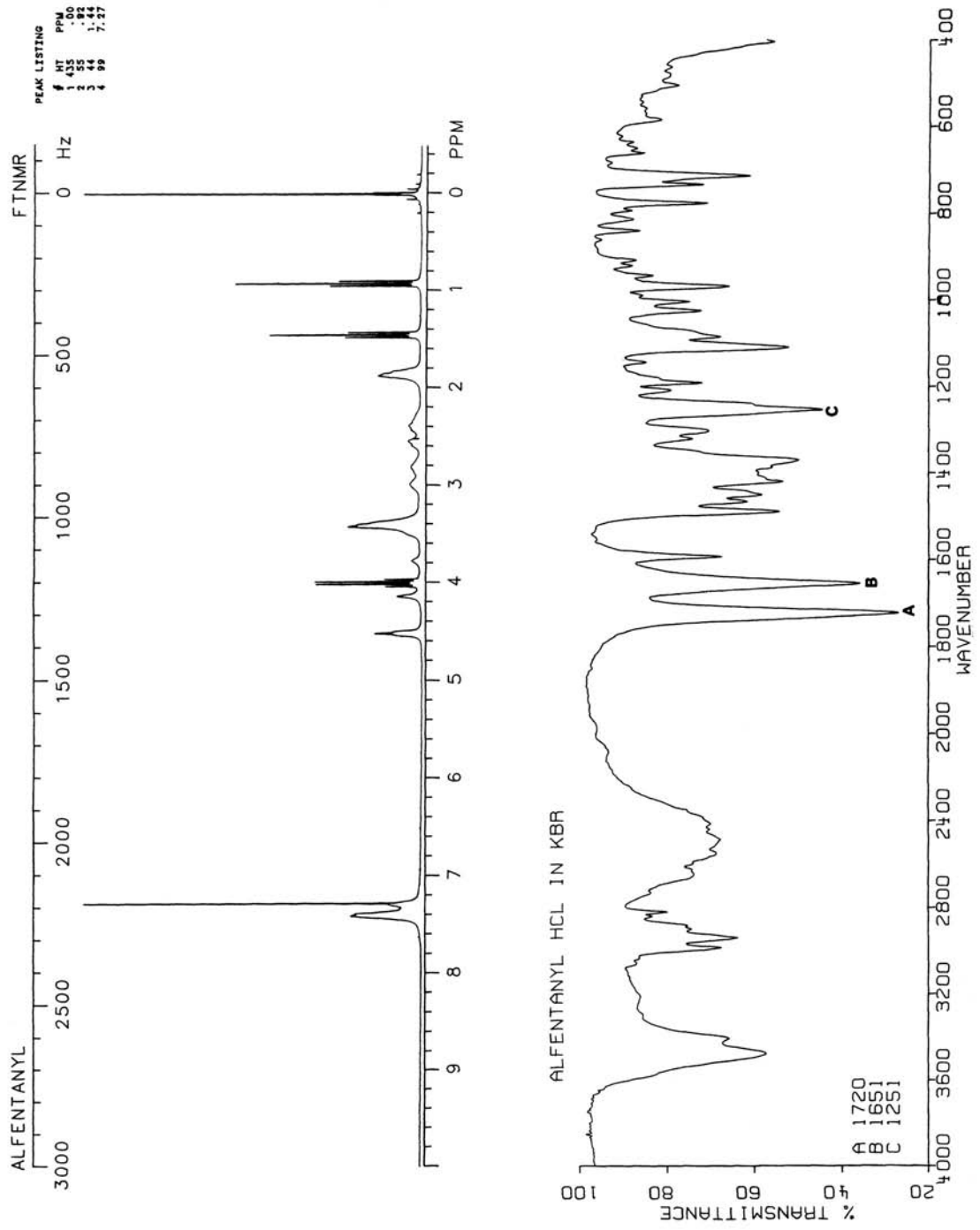
Synonyms: N-[1-[2-(4-Ethyl-4,5-dihydro-5-oxo-iH-tetrazol-1-yl) ethyl]-4-(methoxymethyl)-4-piperidinyl]-N-phenylpropanamide
Trade names: Alfenta, Rapifen

Use: Narcotic analgesic
HPLC: 90A:10B; 4.0
GC: 2974; 280°







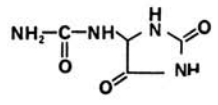

ALFENTANYL
FTNMR
PEAK LISTING
HT PPM
1 435 .00
2 55 1.22
3 44 1.44
4 99 7.27
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
ALFENTANYL HCL IN KBR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1720
B 1651
C 1251
A
B
C

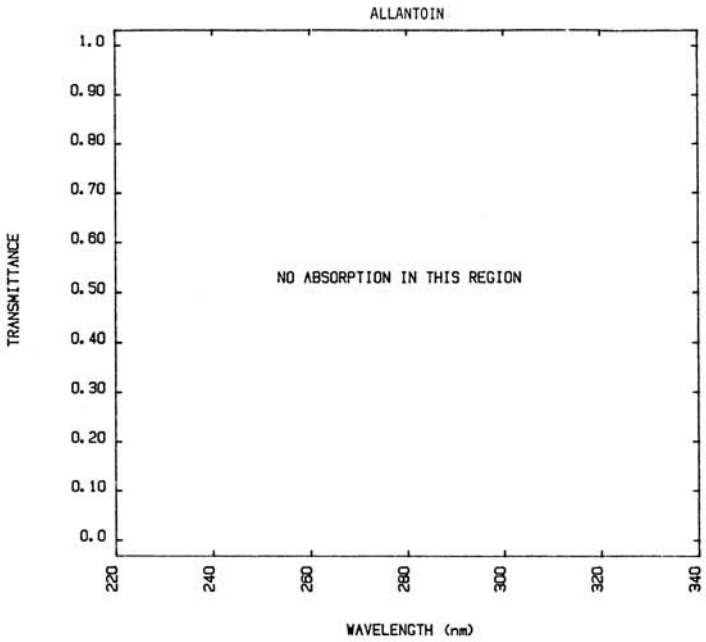
ALLANTOIN

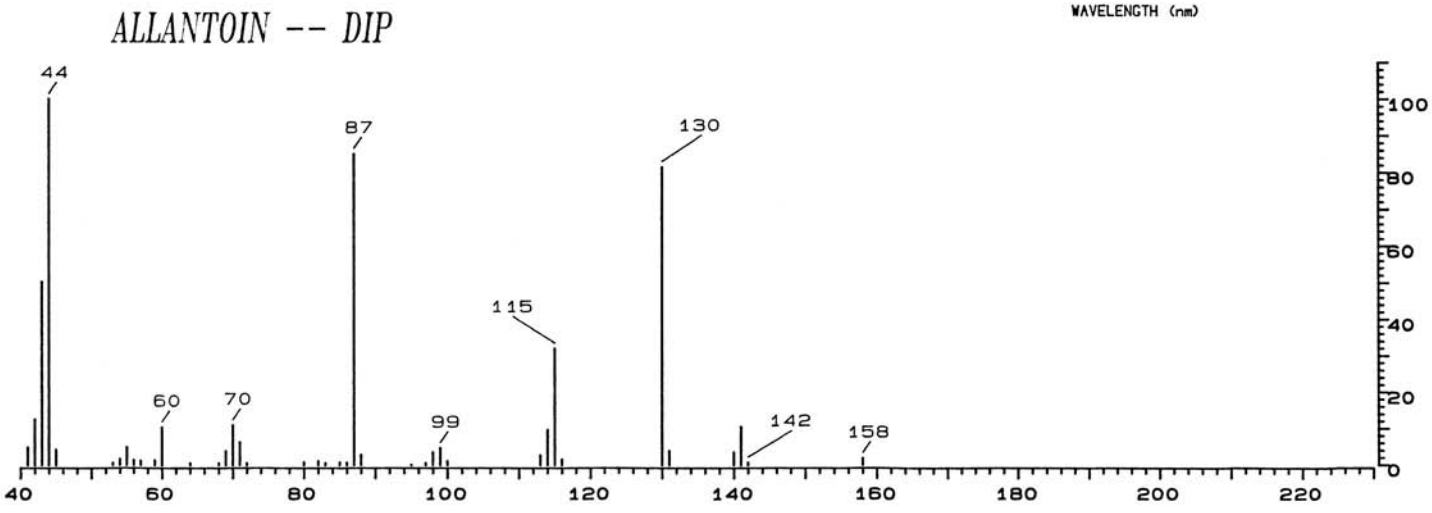
$C_4H_6N_4O_3$

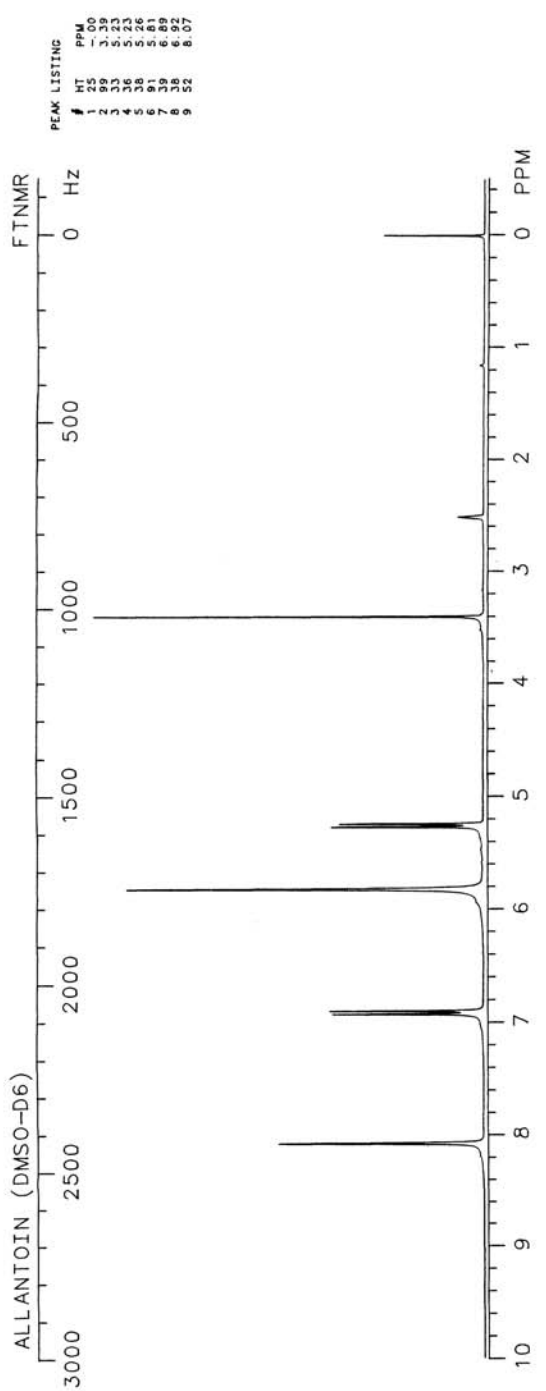
Molecular weight: 158.12 (158.04)
Synonyms: (2,5-Dioxo-4-imidazolidinyl)urea; 5-ureidohydantoin;
glyoxyldiureide; cordianine
Trade names: Alphosyl, Herpecin-L, Unicare, Vagimide, Vaginal Sulfa

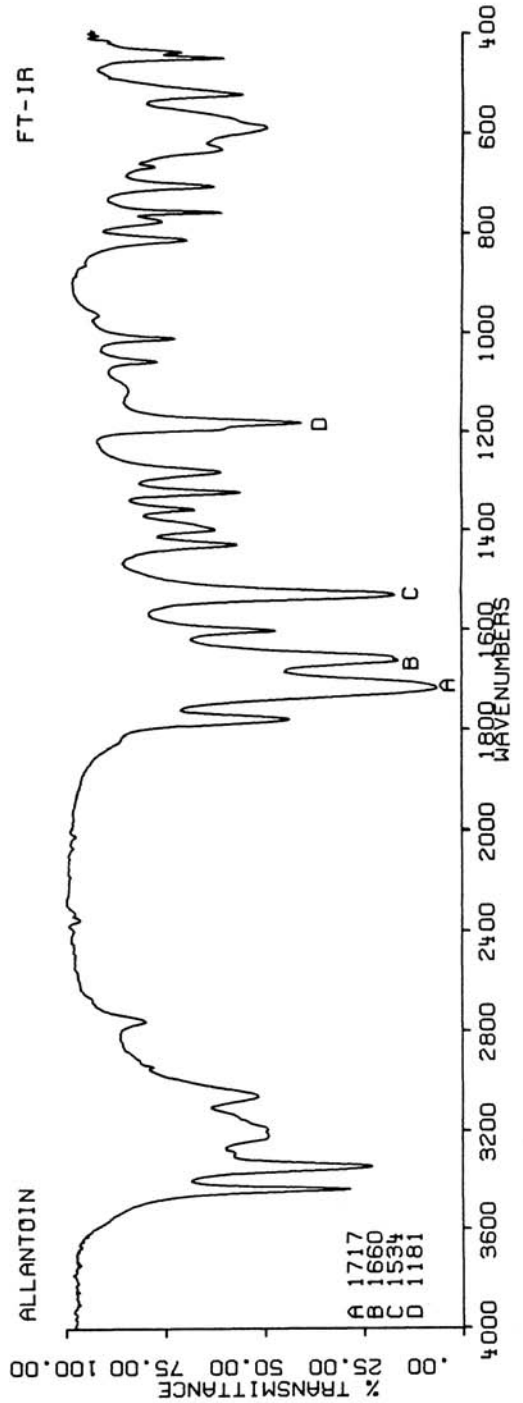
Use: Skin ulcer therapy
HPLC:
GC:








ALLANTOIN (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 25 -.00
2 99 3.39
3 33 5.23
4 36 5.23
5 38 5.26
6 91 5.81
7 39 6.89
8 38 6.92
9 52 8.07
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

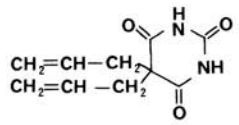

ALLANTOIN
FT-IR
A 1717
B 1660
C 1534
D 1181
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

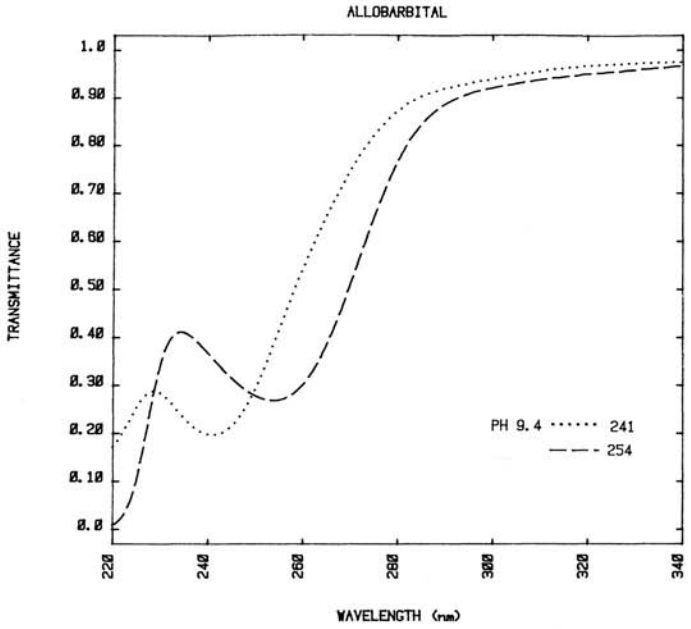
ALLOBARBITAL

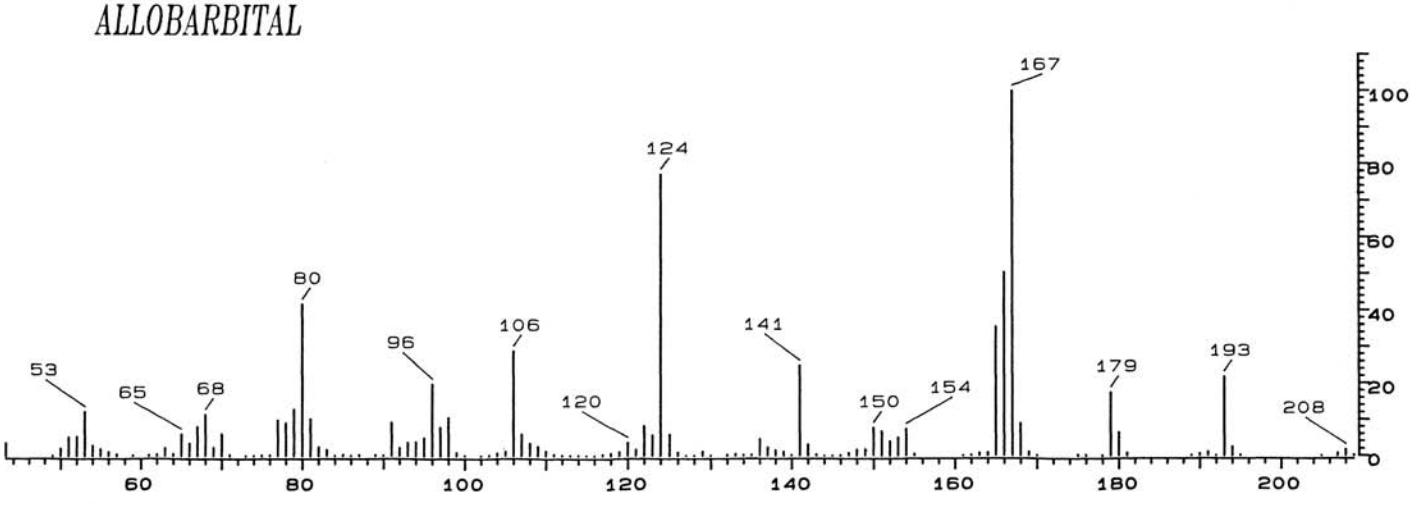
$C_{10}H_{12}N_2O_3$

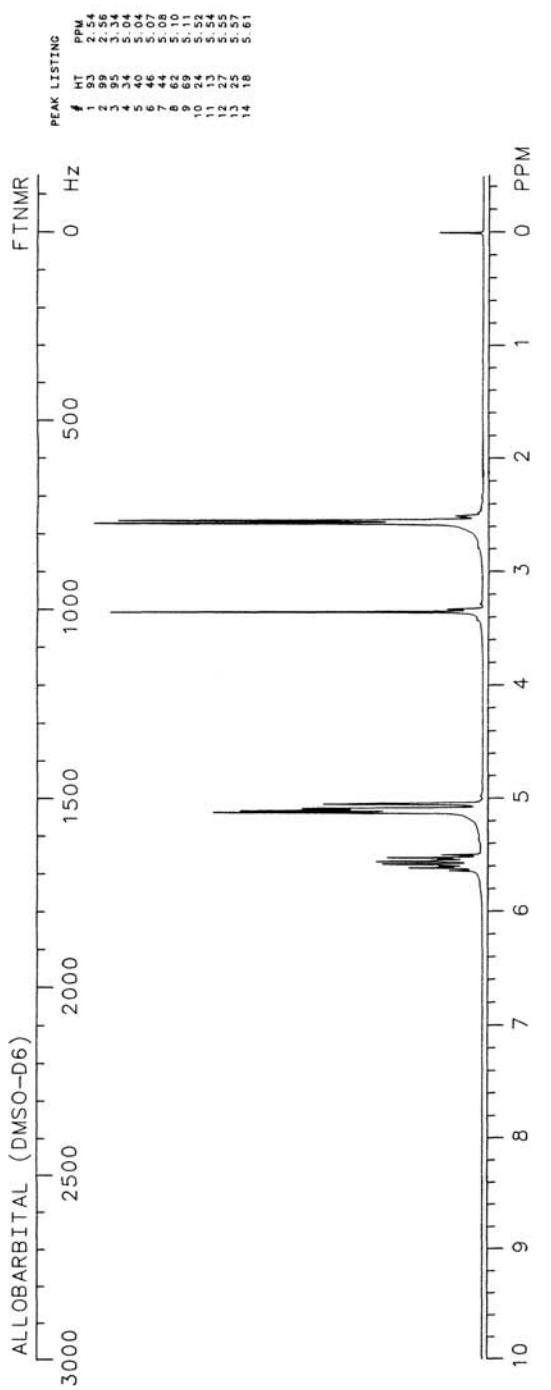
Molecular weight: 208.22 (208.09)
Synonyms: 5,5-Di-2-propenyl-2,4,6(1H,3H,5H)-pyrimidinetrione;
5,5-diallybarbituric acid; allobarbitone
Trade names: Dialog

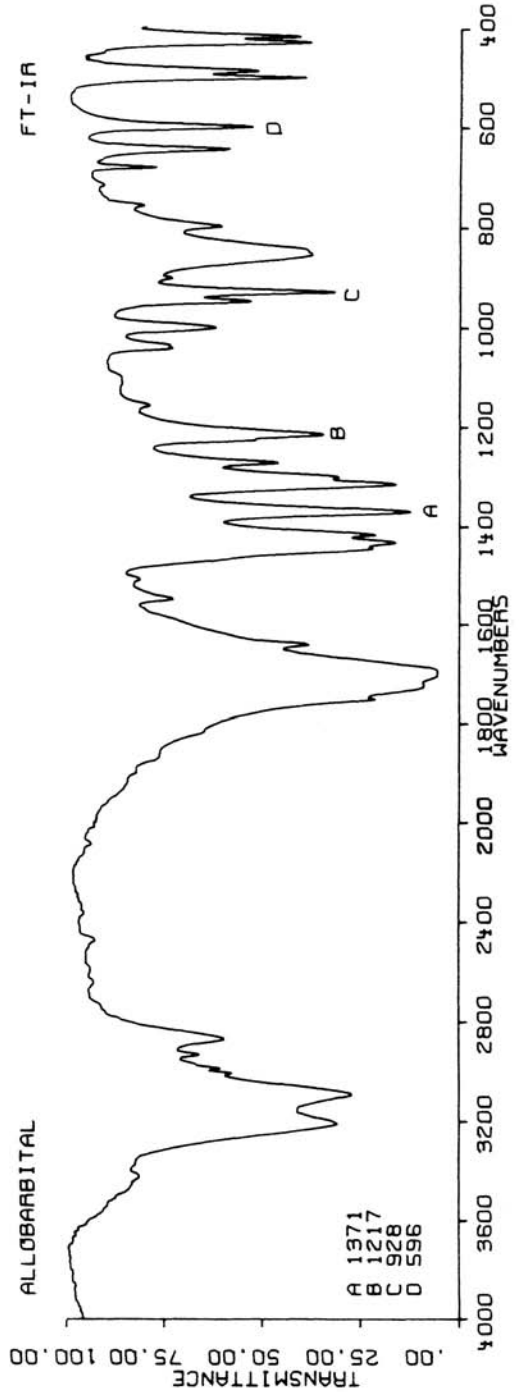
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 7.0
GC: 1612; 200°C








ALLOBARBITAL (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 93 2.54
2 99 2.56
3 95 3.34
4 34 5.04
5 40 5.04
6 46 5.07
7 44 5.08
8 62 5.10
9 69 5.11
10 24 5.52
11 13 5.54
12 27 5.55
13 25 5.57
14 18 5.61


ALLOBARBITAL
FT-IR
A 1371
B 1217
C 928
D 596
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

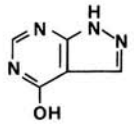
ALLOPURINOL

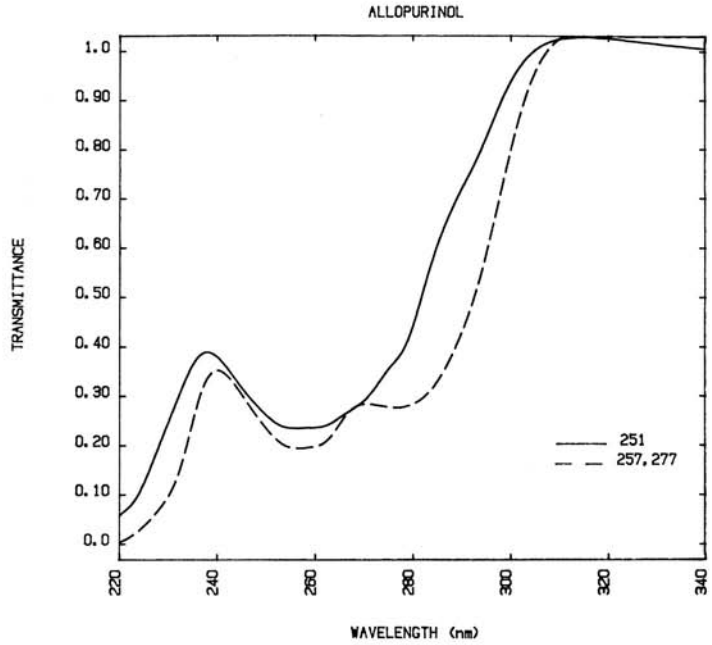
$C_5H_4N_4O$

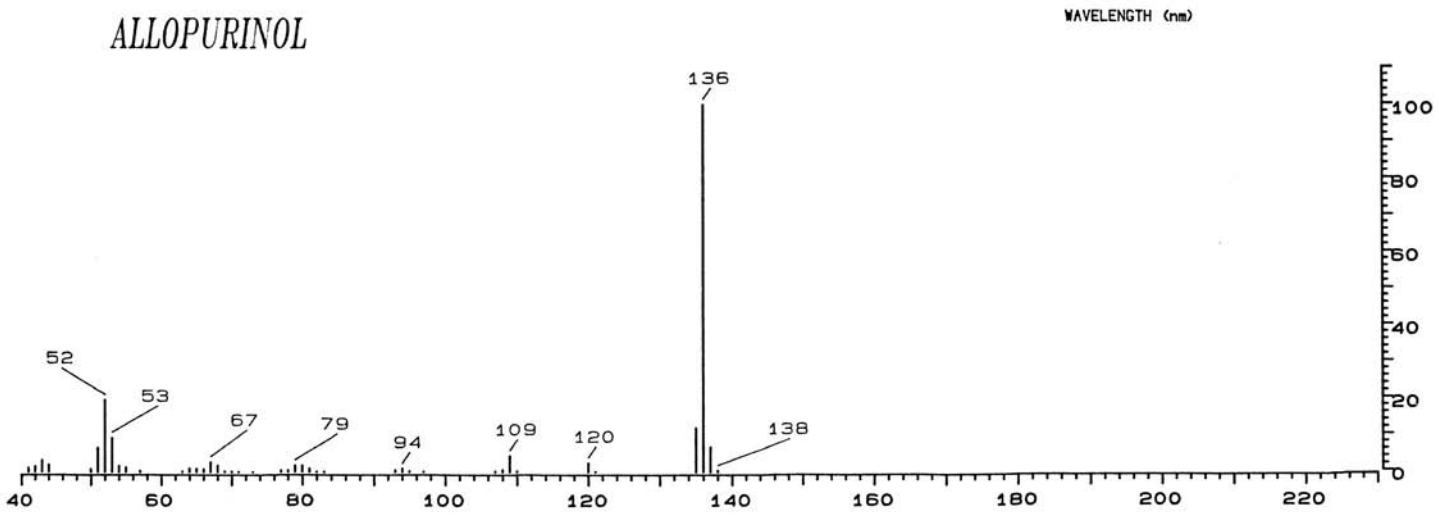
Molecular weight: 136.11 (136.04)
Synonyms: 1H-Pyrazolo[3.4-d]pyrimidin-4-ol

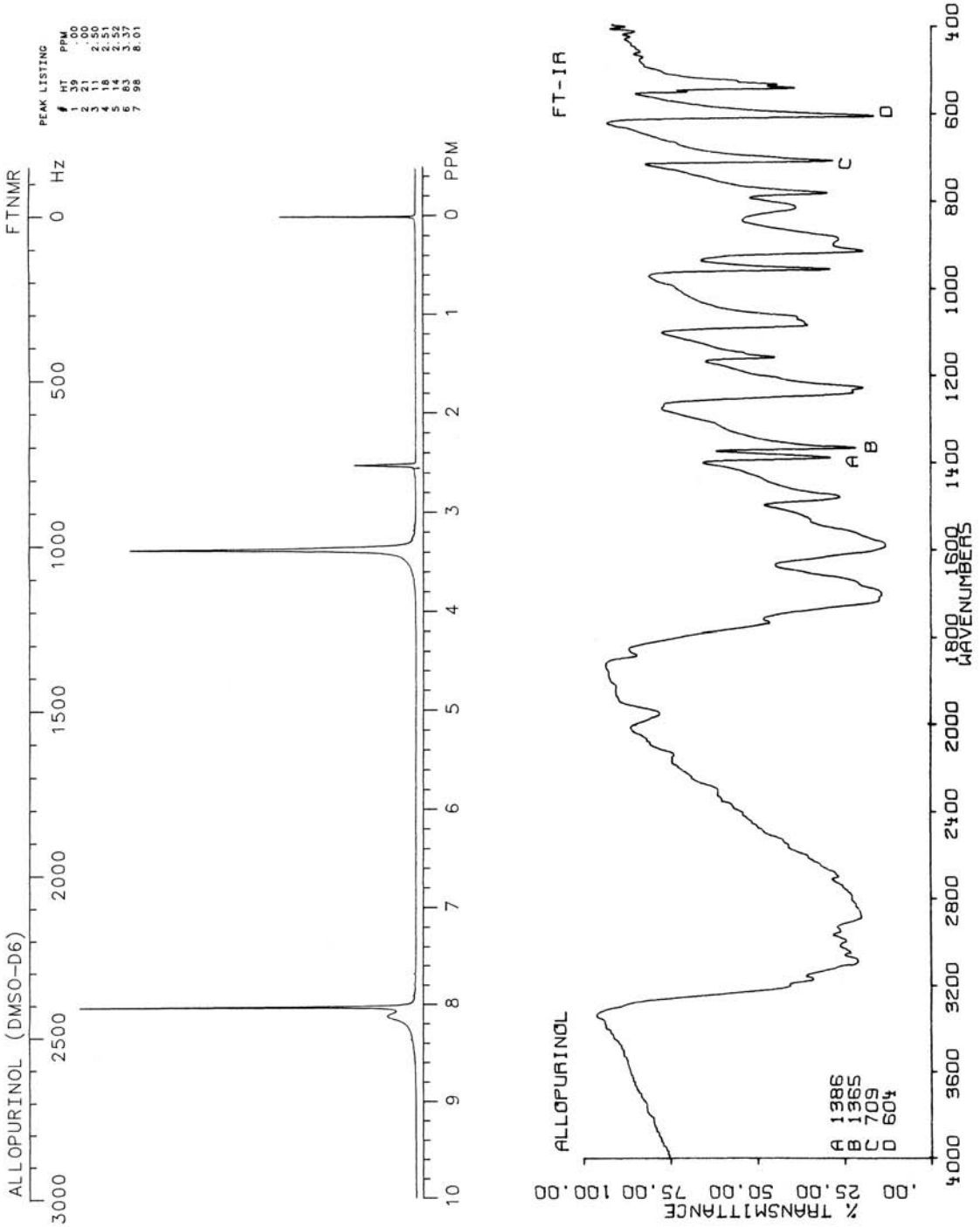
Trade names: Lopurin, Zyloprin

Use: Uricosuric
HPLC: Si-10; 5A:95B; 6.0
GC:








FTNMR
ALLOPURINOL (DMSO-D6)
PEAK LISTING
HT PPM
1 39 .00
2 21 .00
3 11 2.50
4 18 2.51
5 14 2.52
6 83 3.37
7 98 8.01
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
ALLOPURINOL
A 1386
B 1365
C 709
D 604
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

N–ALLY NORMETAZOCINE

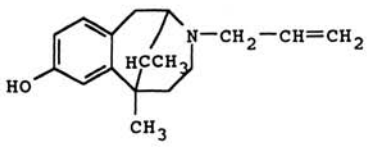
$C_{17}H_{23}NO$

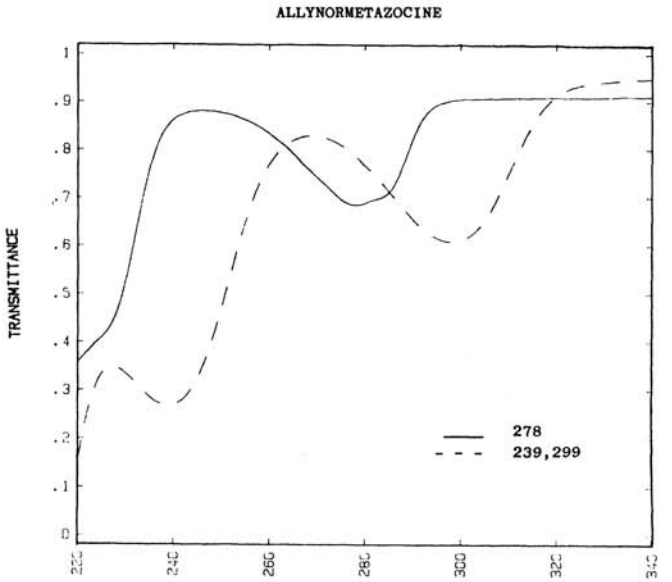
Molecular weight: 257.33 (257.18)

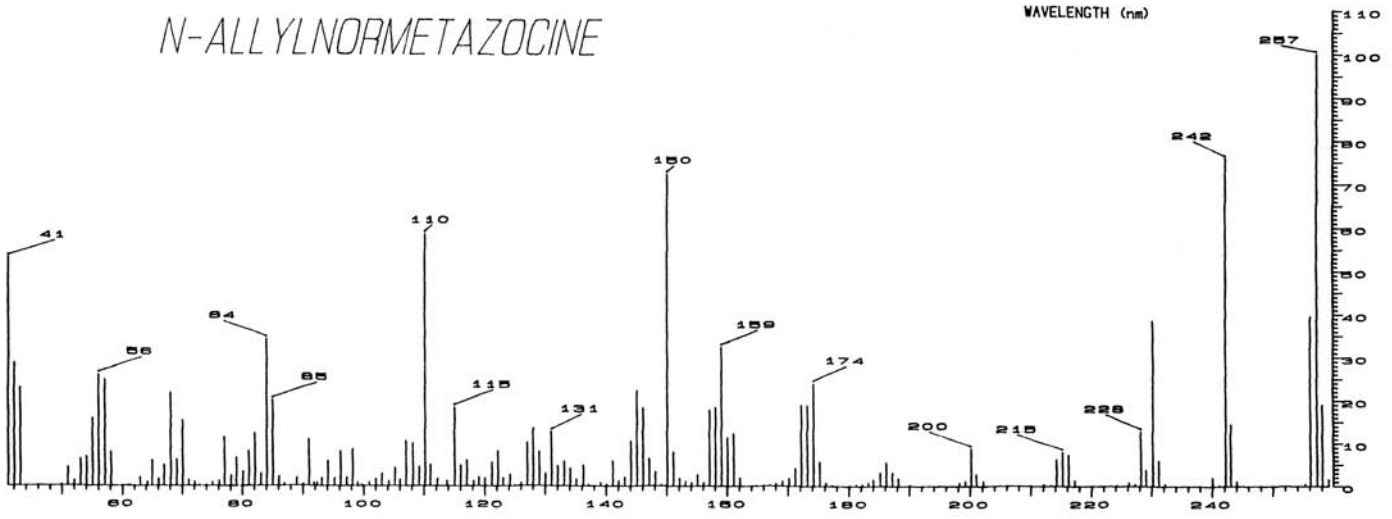
Synonyms: 1,2,3,4,5,6-Hexahydro-6,11-dimethyl-2,6-methano-3-benzazocin-8-ol-allylpropane

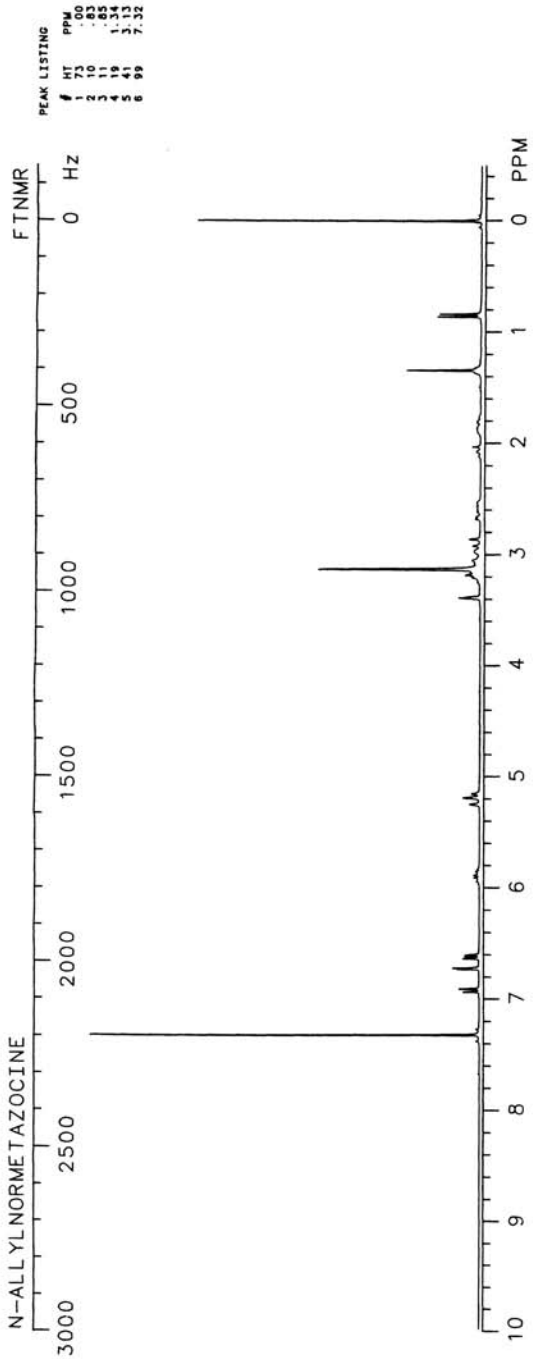
Trade names:

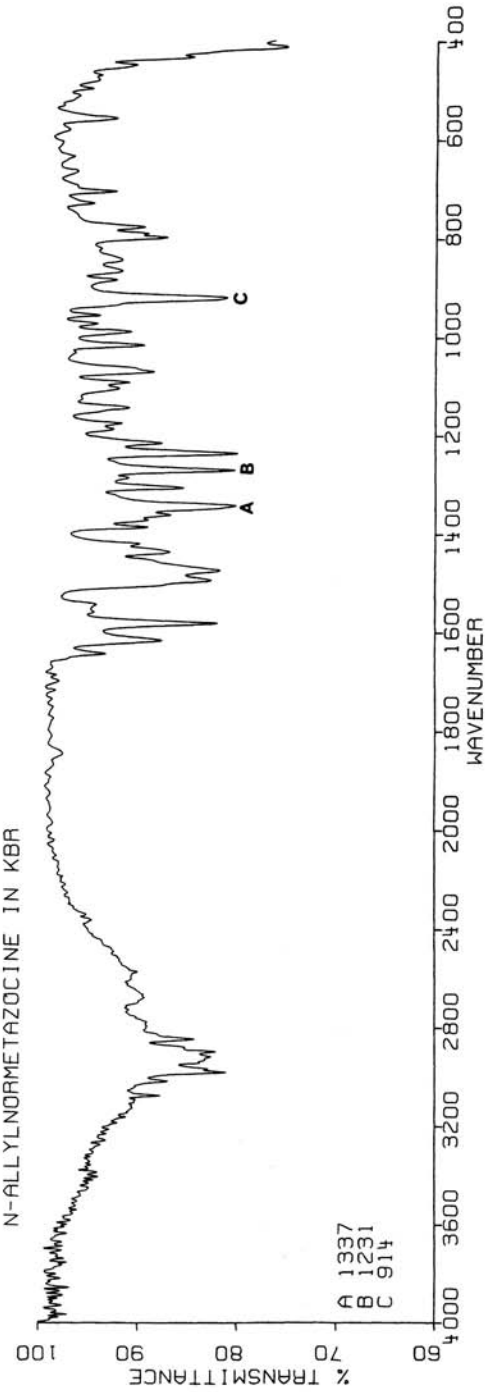
Use: Narcotic analgesic
HPLC: 70A:30C; 3.3
GC: 2124; 250°








N-ALLYLNORMETAZOCINE
FTNMR
PEAK LISTING
HT PPM
1 73 .00
2 10 .83
3 11 .85
4 19 1.34
5 41 3.13
6 99 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

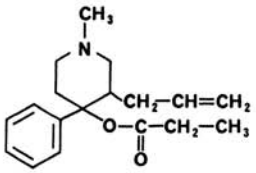

N-ALLYLNORMETAZOCINE IN KBR
A 1337
B 1231
C 914
A
B
C
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

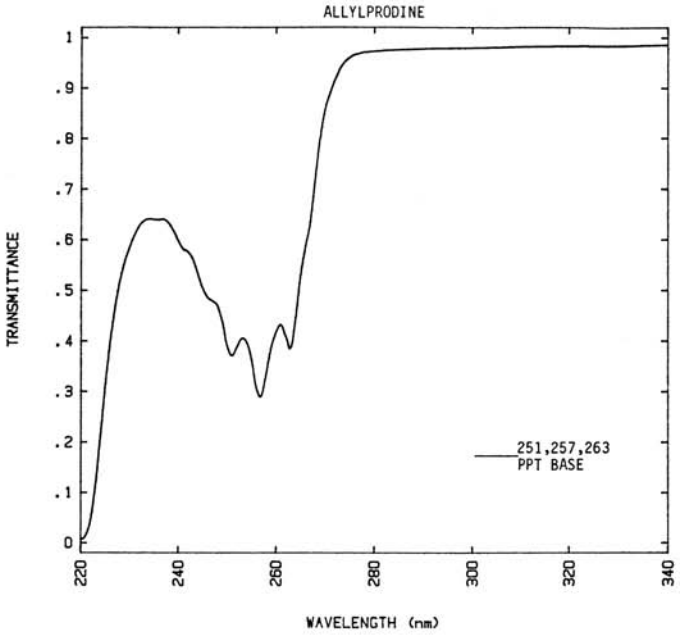
ALLYLPRODINE

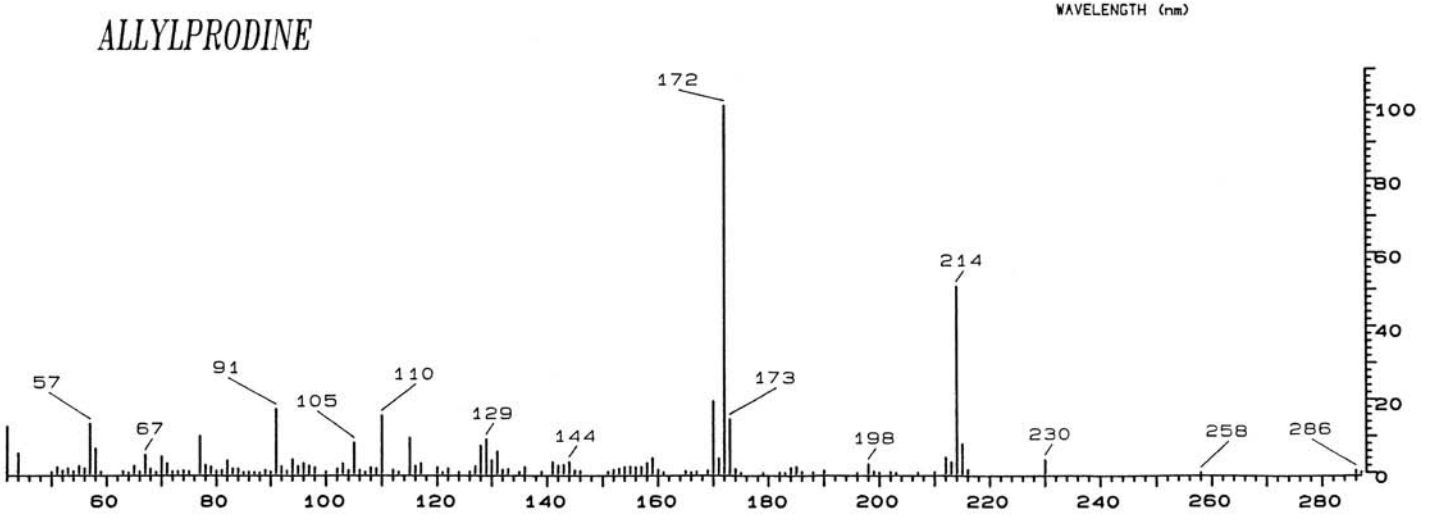
$C_{18}H_{25}NO_2$

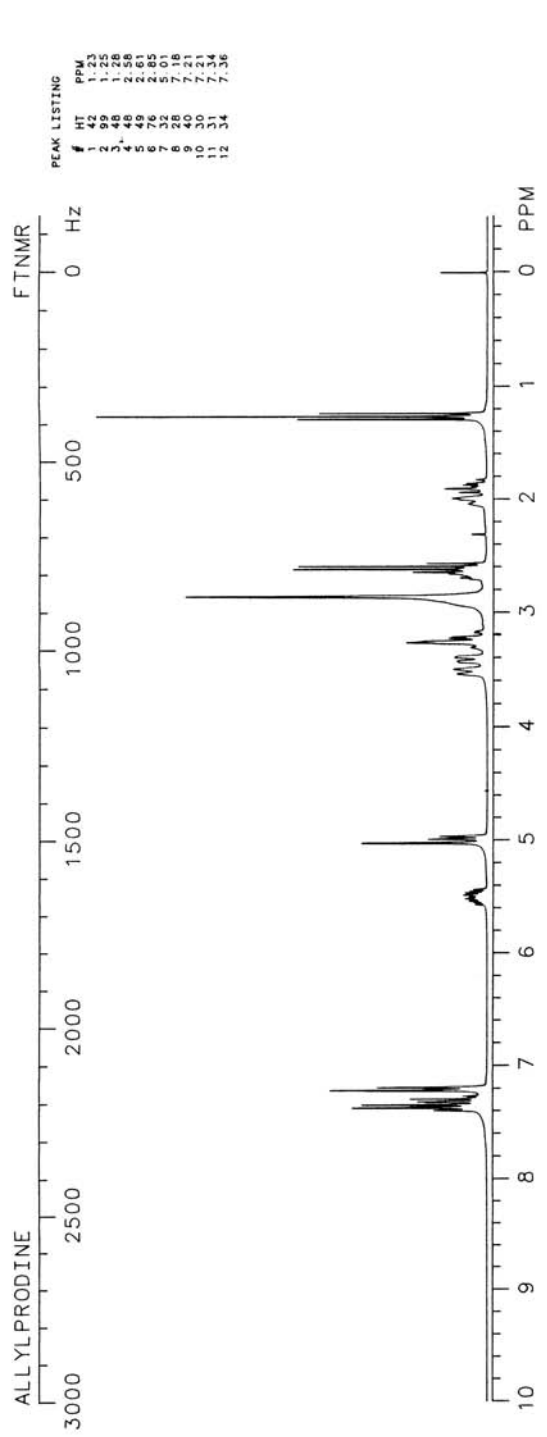
Molecular weight: 287.39 (287.19)
Synonyms: 1-Methyl-4-phenyl-3-(2-propenyl)-4-piperidinolpropanoate;
α-3-allyl-1-methyl-4-phenyl-4-propionoxypiperidine
Trade names: Alperidine

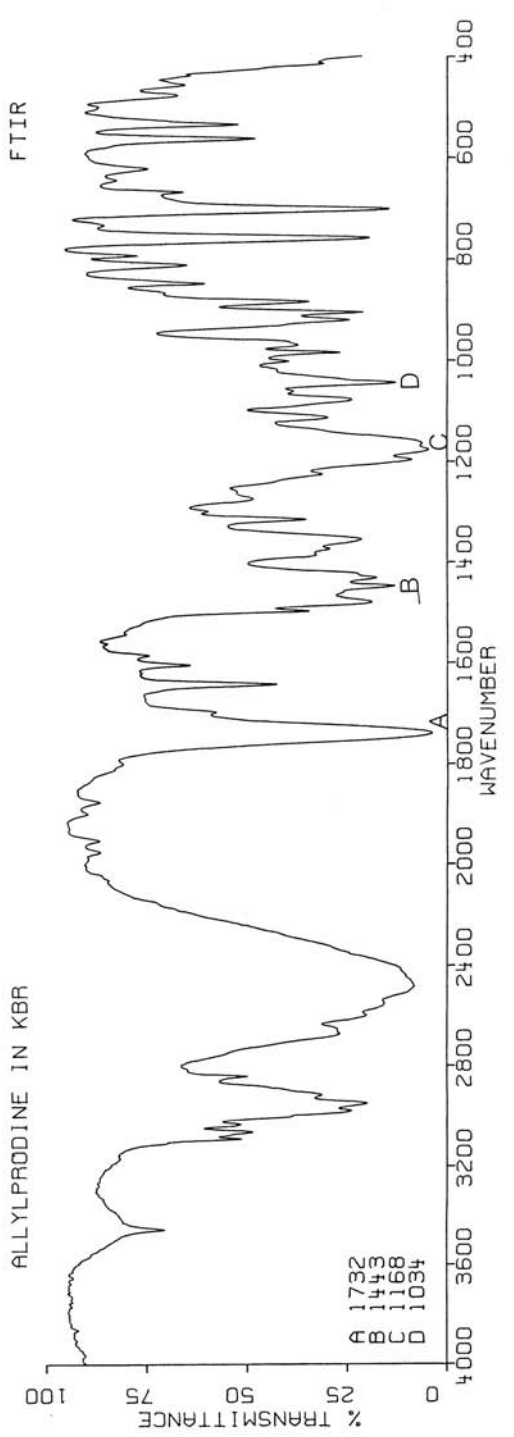
Use: Analgesic
HPLC: Si-10; 5A:95B; 3.8
GC: 2015; 250°C








ALLYLPRODINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 42 1.23
2 99 1.25
3 48 1.28
4 48 2.58
5 49 2.61
6 76 2.85
7 72 5.01
8 28 5.16
9 40 7.21
10 30 7.34
11 31 7.34
12 34 7.36


ALLYLPRODINE IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1732
B 1443
C 1168
D 1034
A
B
C
D

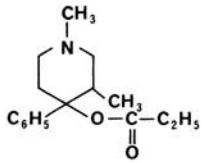
ALPHAPRODINE

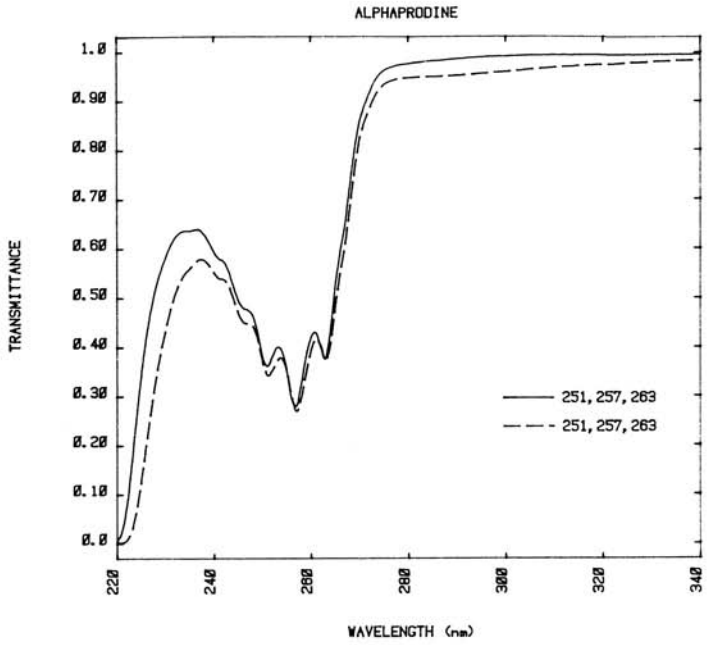
$C_{16}H_{23}NO_2$

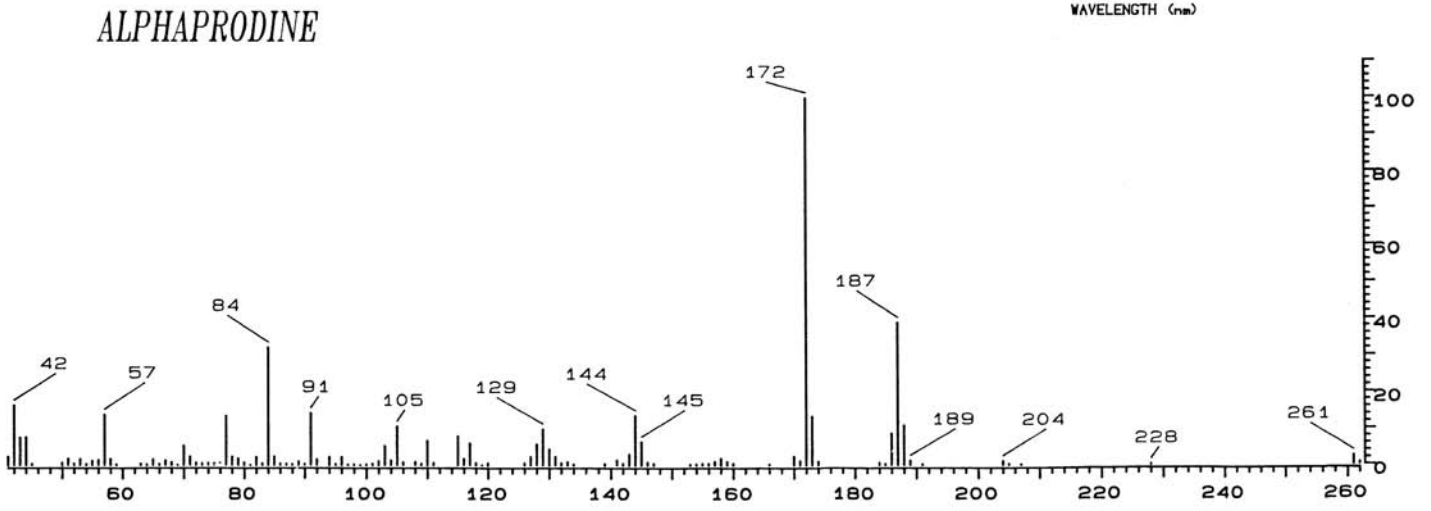
Molecular weight: 261.36 (261.17)
Synonyms: cis-1,3-Dimethyl-4-phenyl-4-piperidinol propanoate

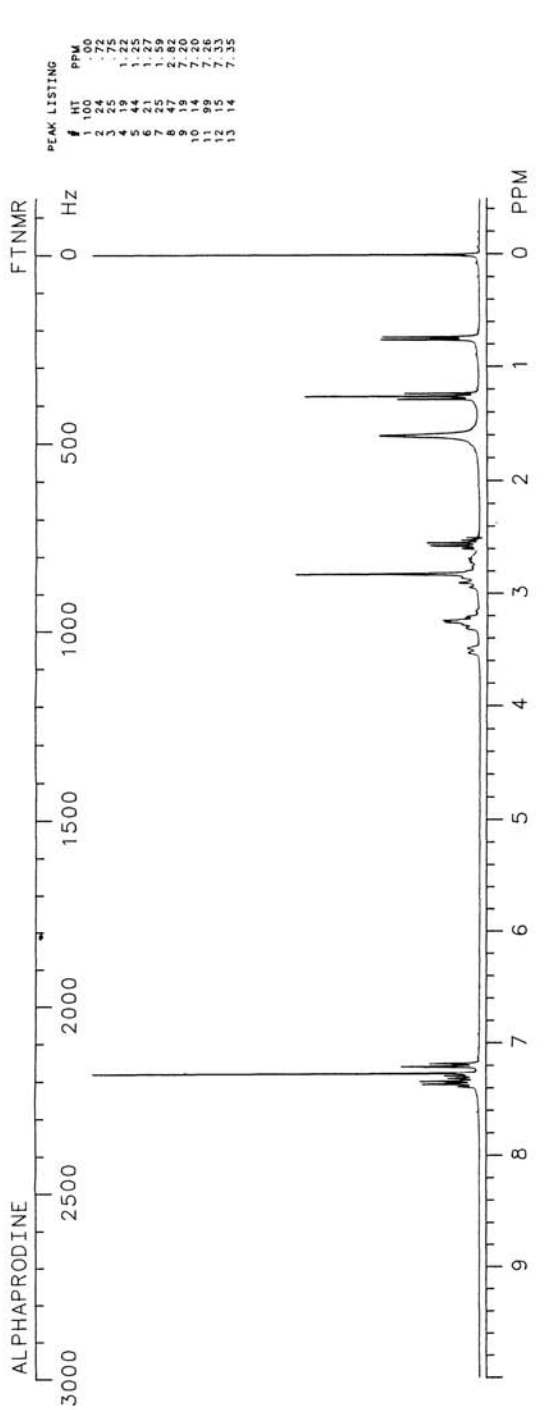
Trade names: Nisentil

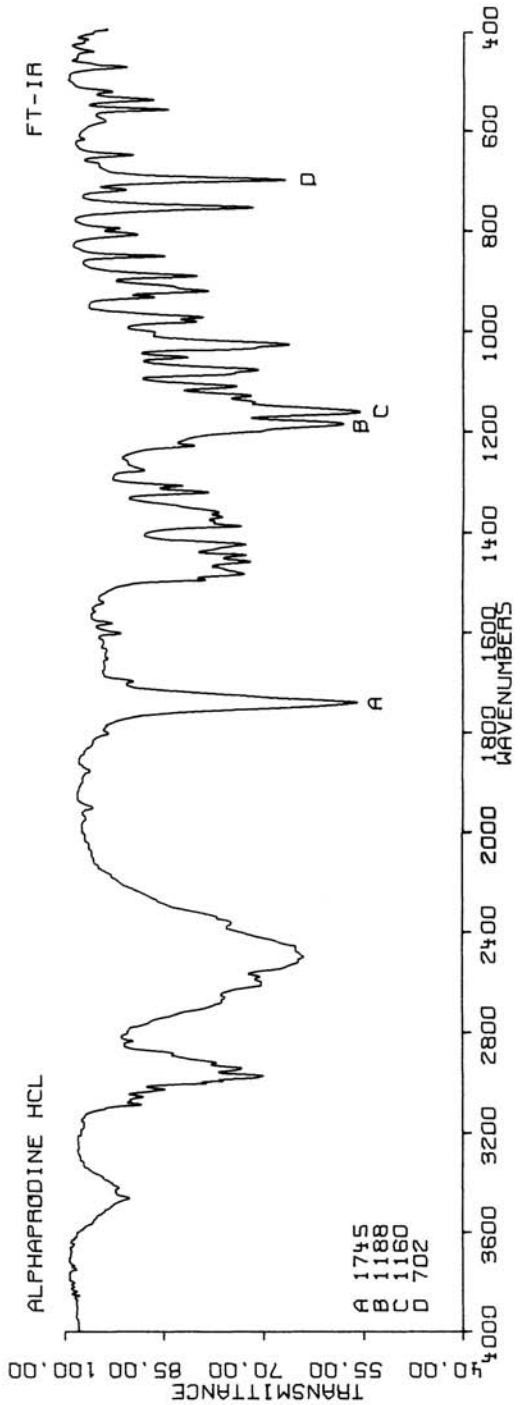
Use: Narcotic analgesic
HPLC: Si-10; 5A:95B; 5.0
GC: 1818; 200°C








ALPHAPRODINE
FTNMR
PEAK LISTING
HT PPM
1 100 .00
2 24 .72
3 25 .75
4 19 1.22
5 44 1.25
6 21 1.27
7 25 1.59
8 47 2.82
9 18 7.20
10 14 7.20
11 99 7.26
12 15 7.33
13 14 7.35
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

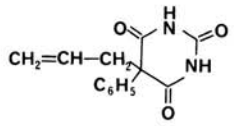

ALPHAPRODINE HCL
FT-IR
A 1745
B 1188
C 1160
D 702
A
B
C
D
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

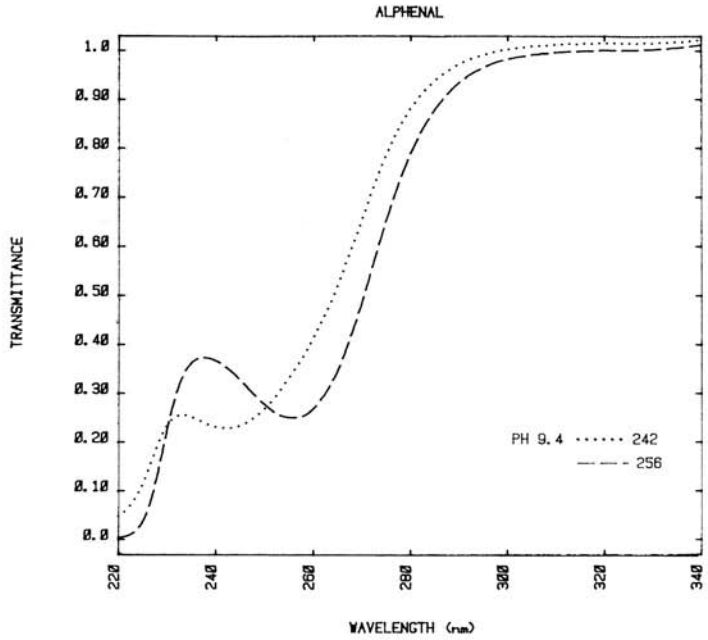
ALPHENAL

$C_{13}H_{12}N_2O_3$

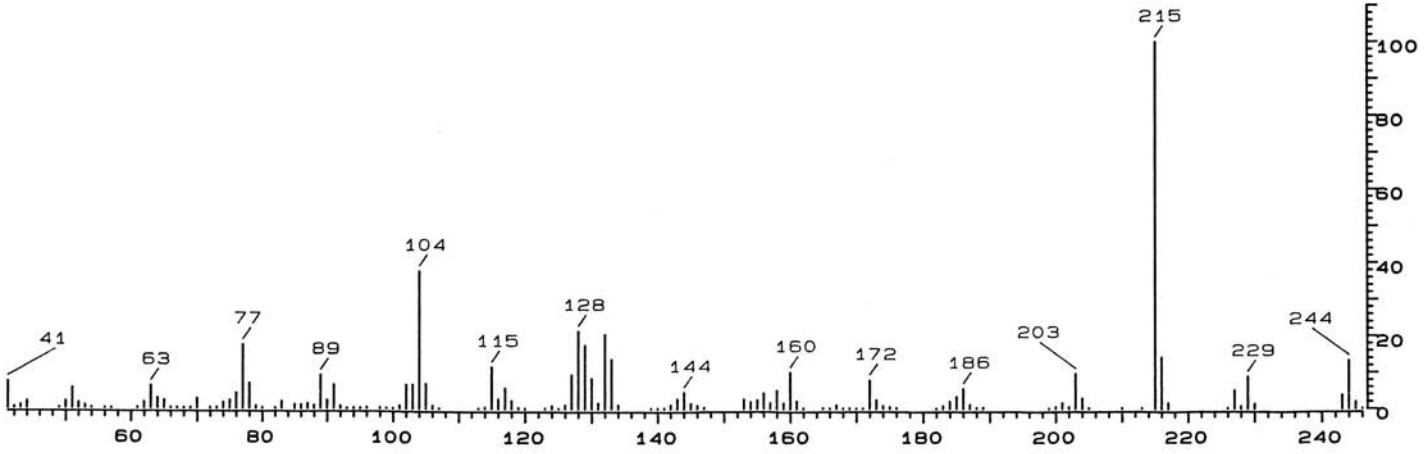
Molecular weight: 244.25 (244.09)
Synonyms: 5-Phenyl-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione;
5-allyl-5-phenylbarbituric acid
Trade names: Alphenate, Allofenyl, Fenallymal, Phenallymal

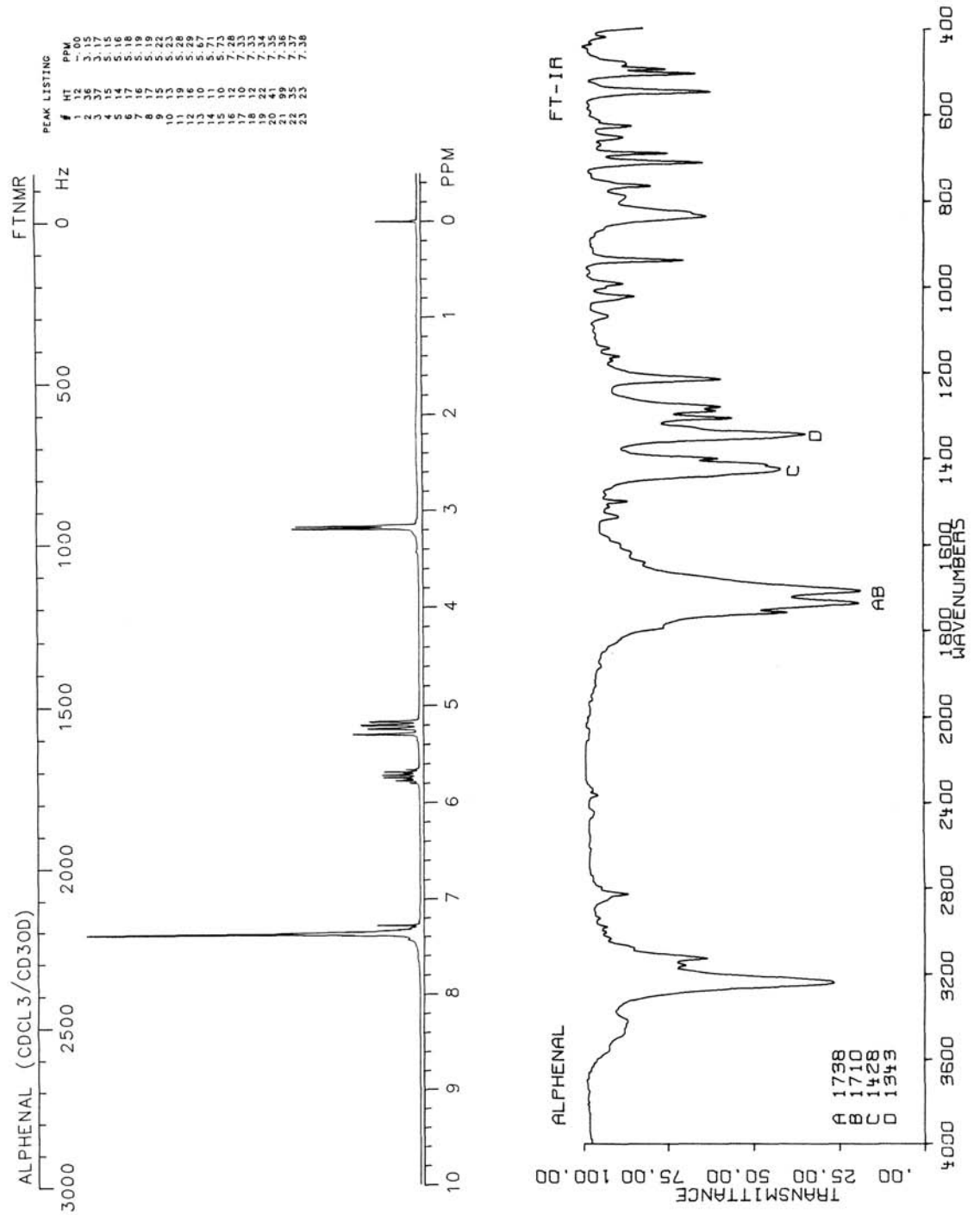
Use: Sedative, hypnotic
HPLC: Si-10; 2A:98B; 5.5
GC: 2066; 250°C





ALPHENAL



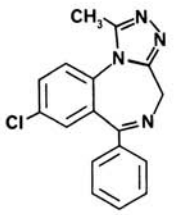

ALPHENAL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 12 .00
2 36 3.15
3 37 3.17
4 15 5.15
5 14 5.16
6 17 5.18
7 16 5.19
8 17 5.19
9 15 5.22
10 13 5.23
11 19 5.28
12 16 5.29
13 10 5.67
14 10 5.71
15 10 5.73
16 12 7.28
17 10 7.33
18 12 7.33
19 22 7.34
20 41 7.35
21 39 7.36
22 35 7.37
23 23 7.38
ALPHENAL
FT-IR
A 1738
B 1710
C 1428
D 1343
AB
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

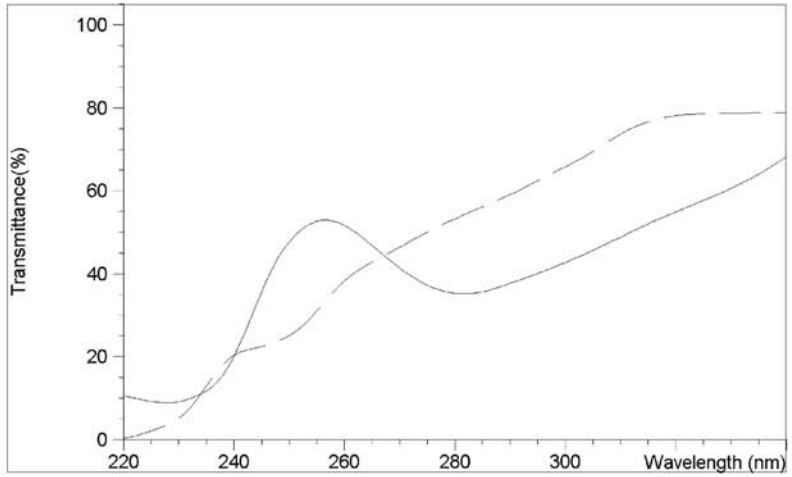
ALPRAZOLAM

$C_{17}H_{13}N_4Cl$

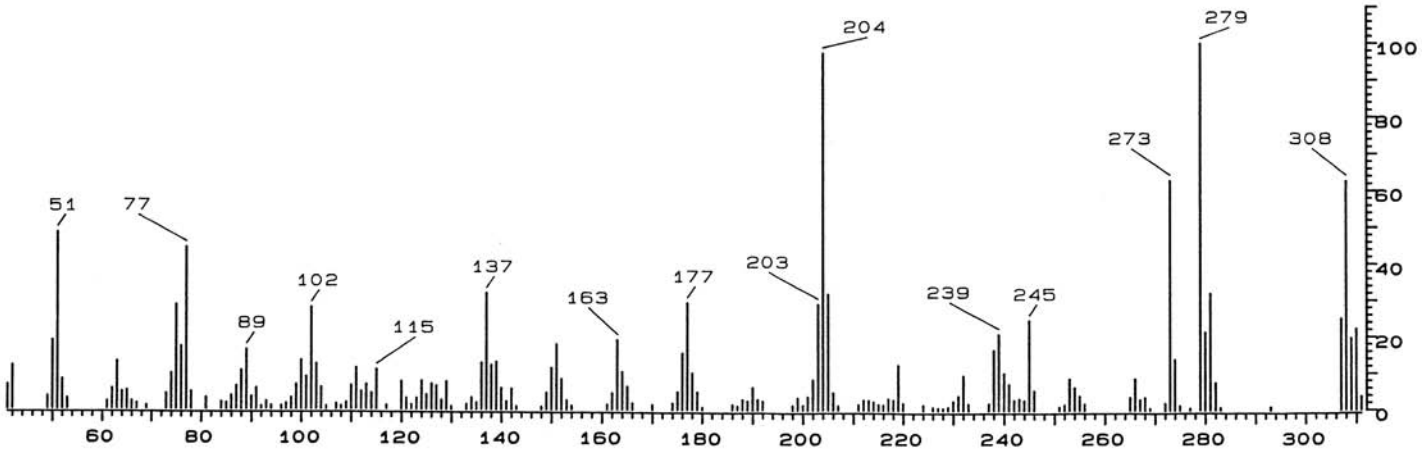
Molecular weight: 308.77 (308.08)
Synonyms: 8-Chloro-1-methyl-6-phenyl-4H-s-triazolo[4,3-α]-[1,4]benzodiazepine
Trade names: Xanax

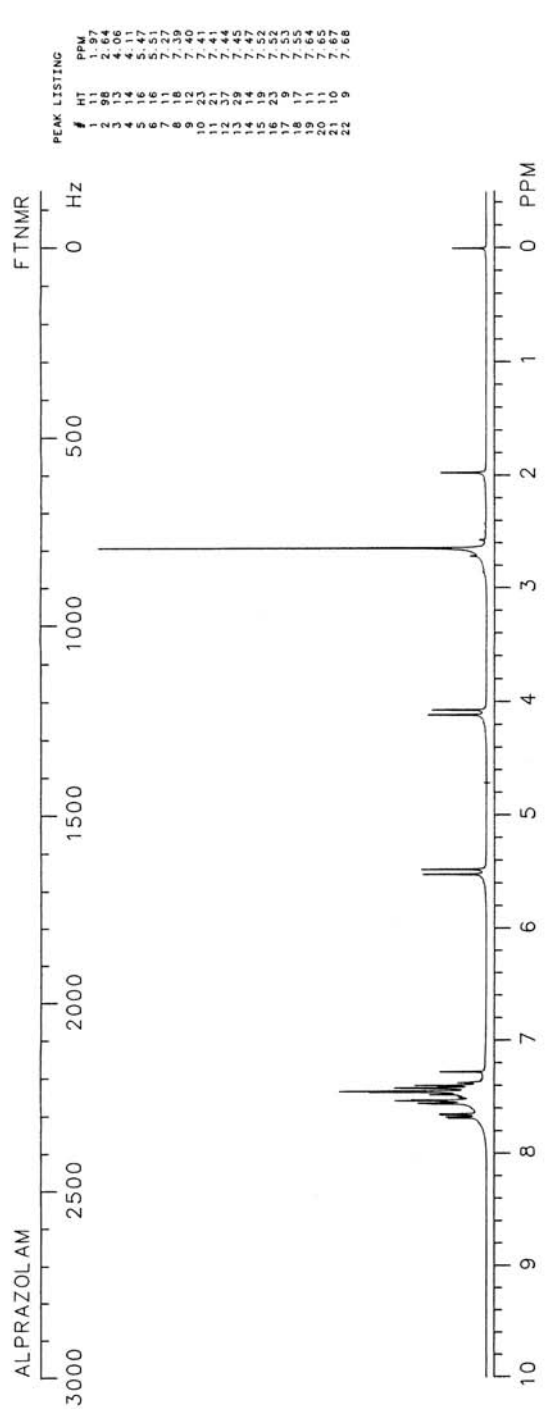
Use: Tranquilizer
HPLC: Si-10; 4A:96B; 5.0
GC: 3041; 280°C

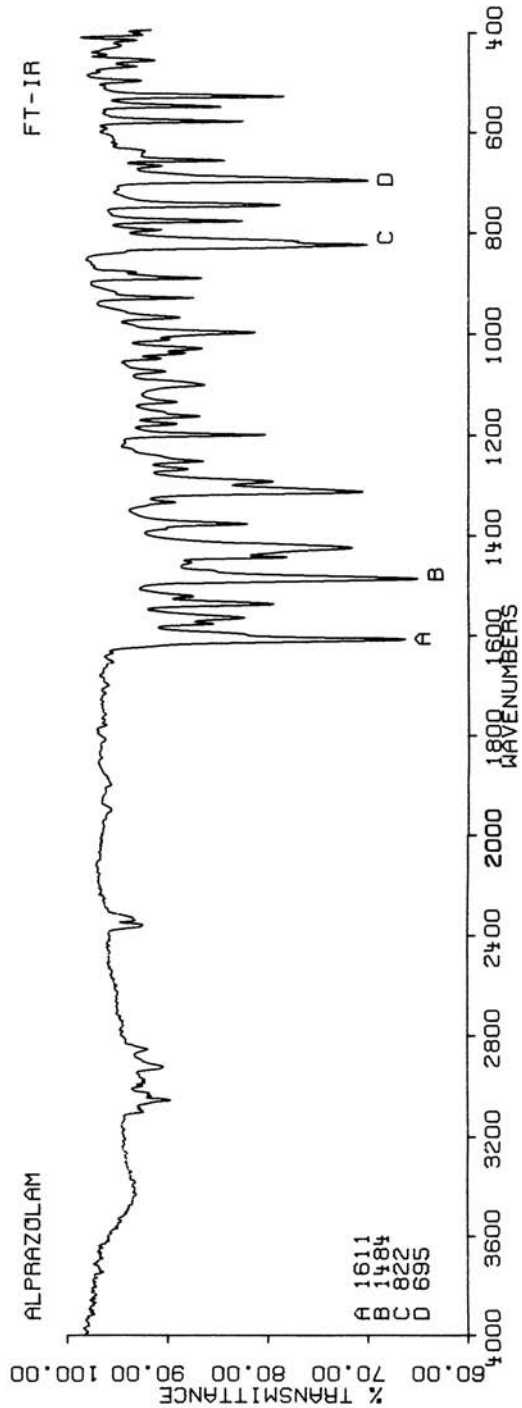




ALPRAZOLAM




ALPRAZOLAM
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 11 1.97
2 98 2.64
3 13 4.06
4 14 4.11
5 16 5.47
6 11 5.51
7 11 7.27
8 18 7.39
9 12 7.40
10 23 7.41
11 21 7.44
12 37 7.45
13 14 7.47
15 19 7.52
16 23 7.52
17 9 7.53
18 17 7.55
19 11 7.64
20 11 7.65
21 10 7.67
22 9 7.68

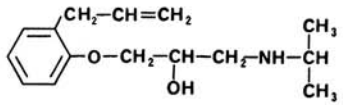

FT-IR
ALPRAZOLAM
A 1611
B 1484
C 822
D 695
A
B
C
D
% TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

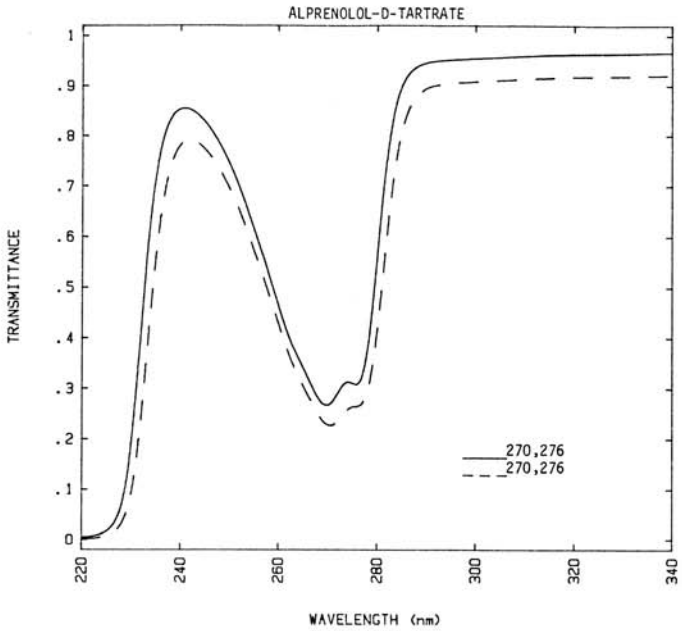
ALPRENOLOL

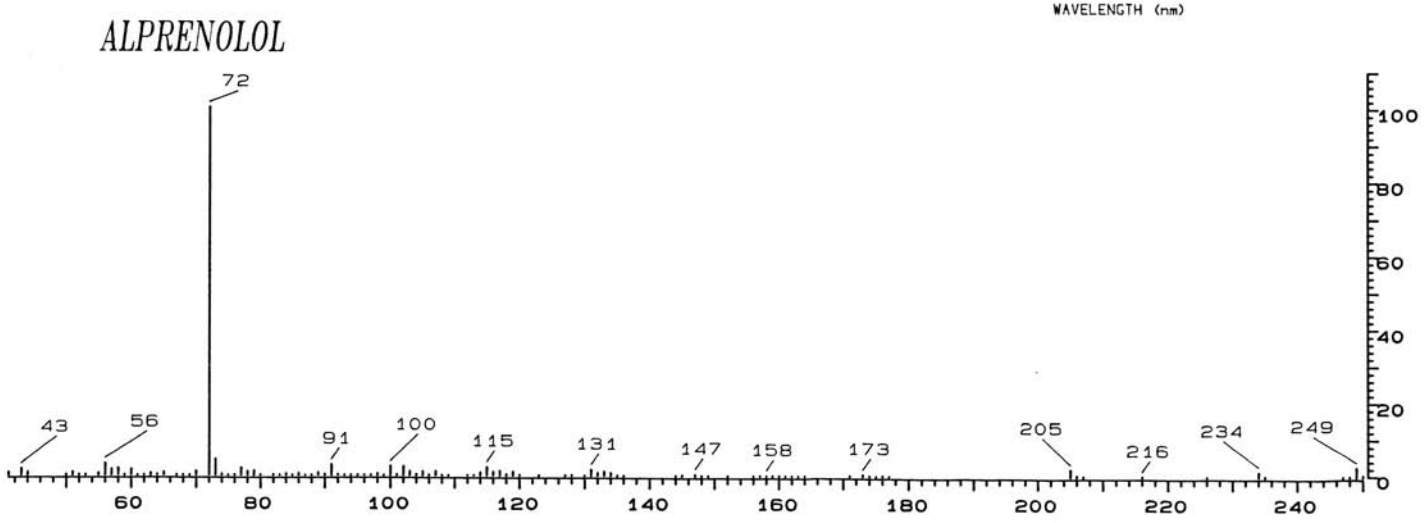
$C_{15}H_{23}NO_2$

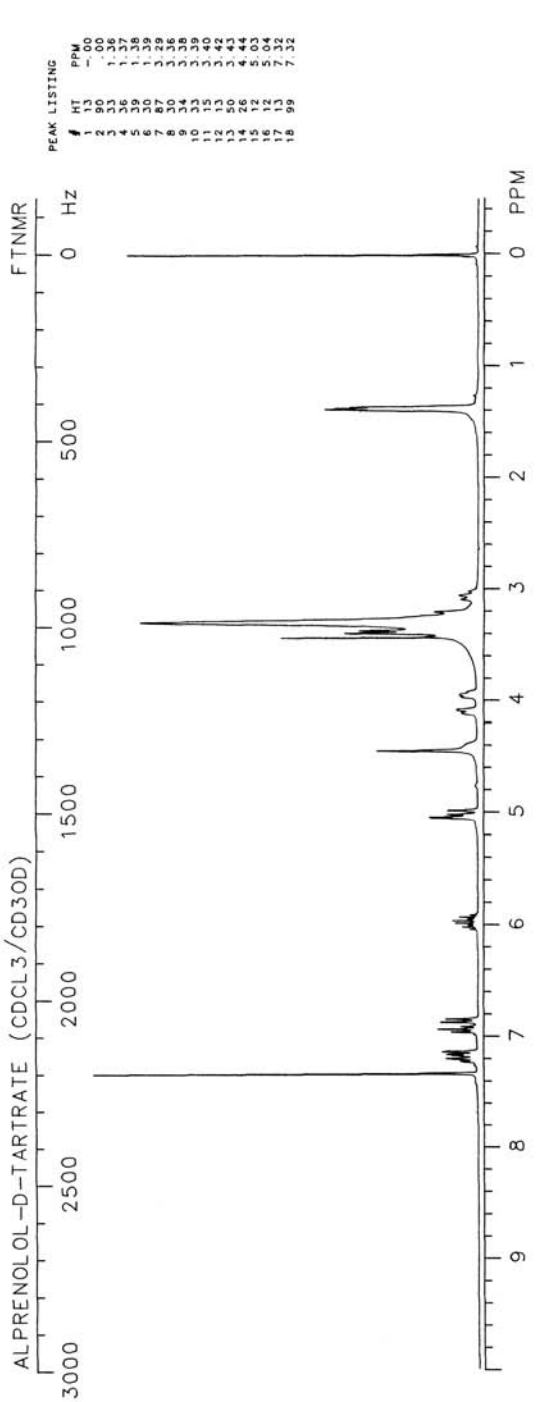
Molecular weight: 249.34 (249.17)
Synonyms: 1-[(1-Methylethyl)amino]-3-[2-(2-propenyl)-phenoxy]-2-propanol
Trade names: Aprobal, Aptine, Gubernal

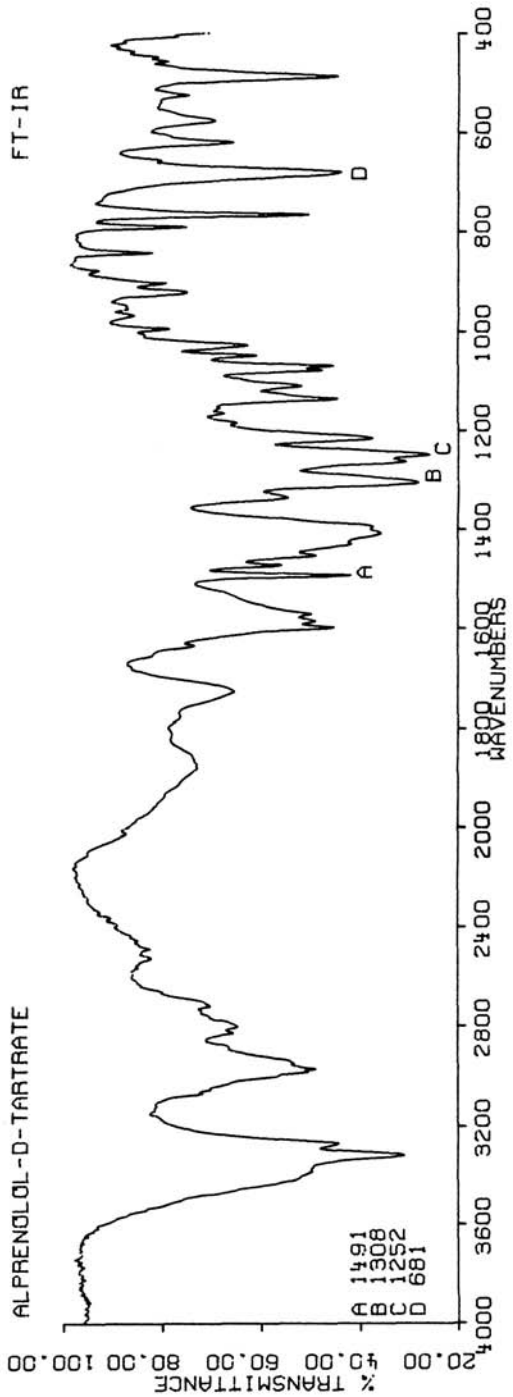
Use: Beta-Adrenergic blocker
HPLC: Si-10; 20A:80B; 4.2
GC: 1829; 200°C







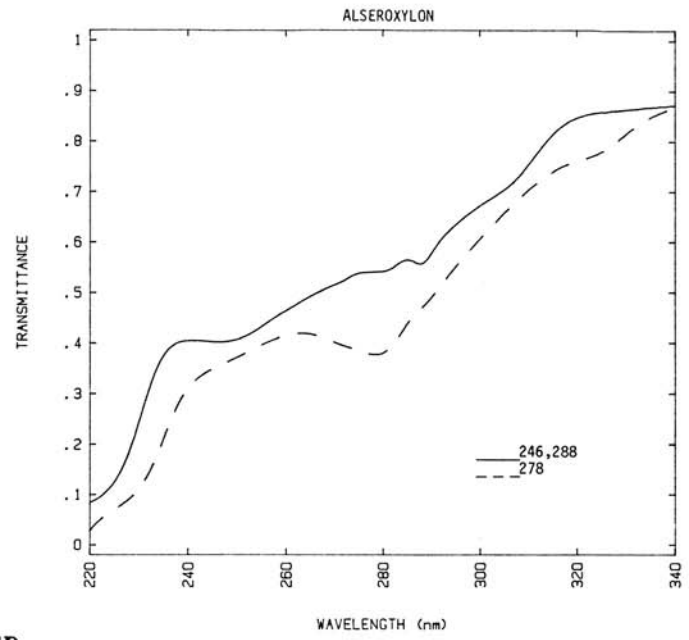

FTNMR
ALPRENOLOL-D-TARTRATE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 13 -.00
2 90 .00
3 33 1.36
4 36 1.37
5 39 1.38
6 30 1.39
7 87 3.29
8 30 3.36
9 34 3.36
10 33 3.39
11 15 3.40
12 13 3.42
13 50 3.43
14 26 4.44
15 12 5.03
16 13 5.04
17 13 7.32
18 99 7.32
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
ALPRENOLOL-D-TARTRATE
A 1491
B 1308
C 1252
D 681
A
B C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

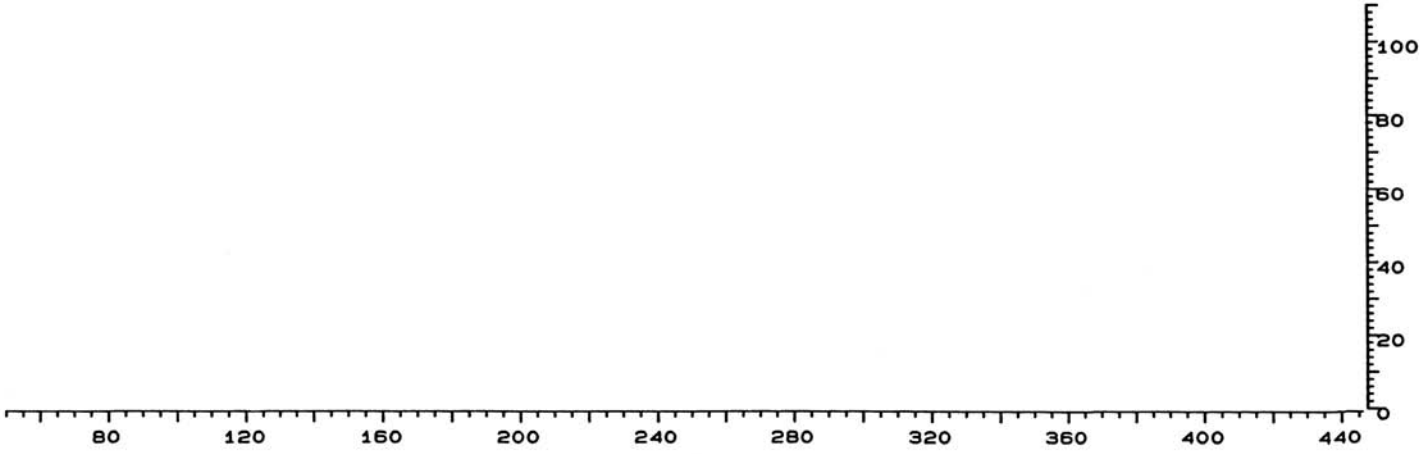
ALSEROXYLON

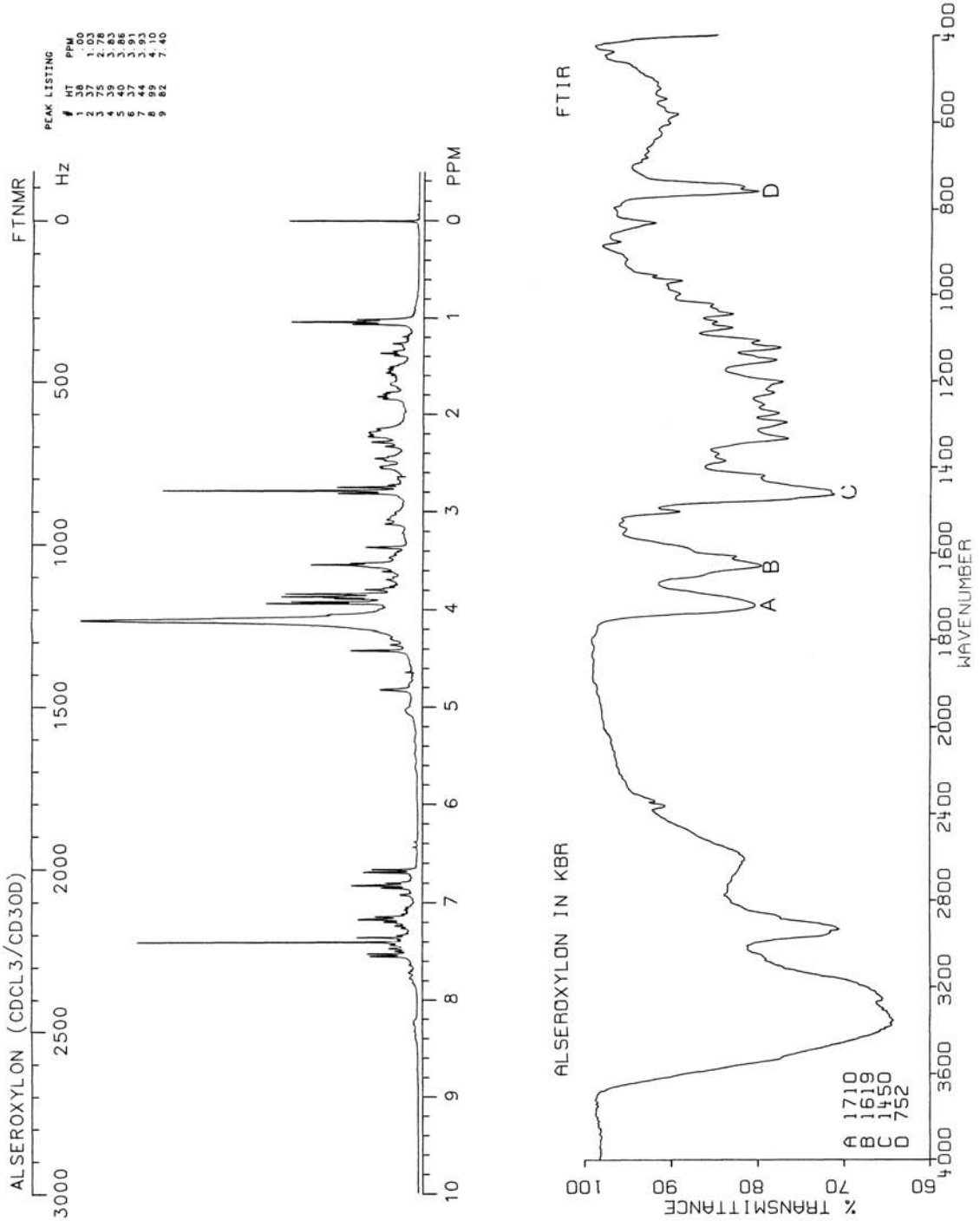
Molecular weight:
Synonyms: Fraction of Rauwolfia serpentina containing reserpine-rescinnamine mixture
Trade names: Rauwiloid

Use:
HPLC:
GC:



NO USEFUL MASS SPECTRUM WAS OBTAINED




ALSEROXYLON (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 .50 .80
2 .37 1.03
3 .75 2.78
4 .39 3.83
5 .40 3.86
6 .37 3.91
7 .44 3.93
8 .98 4.10
9 .82 7.40
ALSEROXYLON IN KBR
FTIR
A 1710
B 1619
C 1450
D 752
A
B
C
D
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

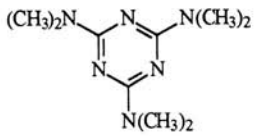
ALTRETAMINE

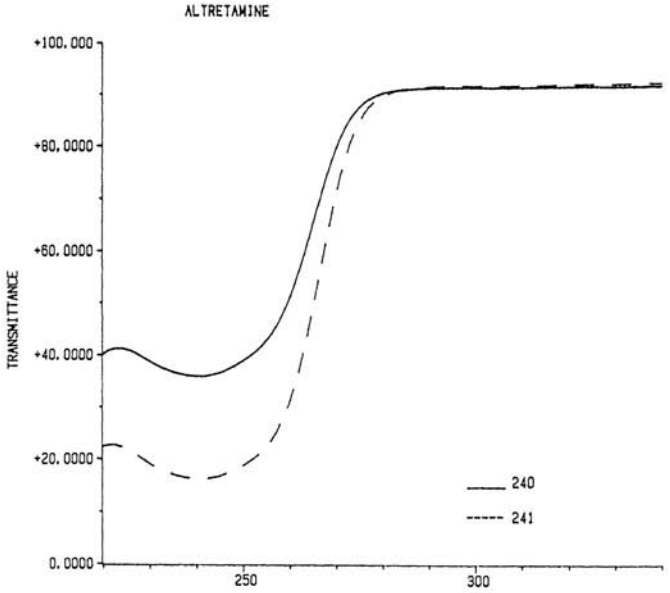
C $_9$H$_{18}$N$_6$

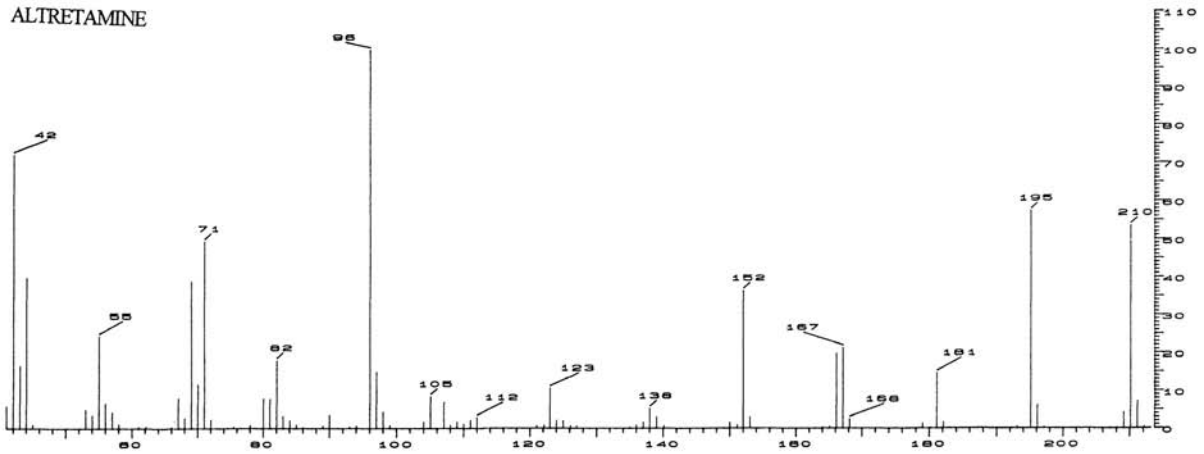
Molecular Weight: 210.28 (210.06)

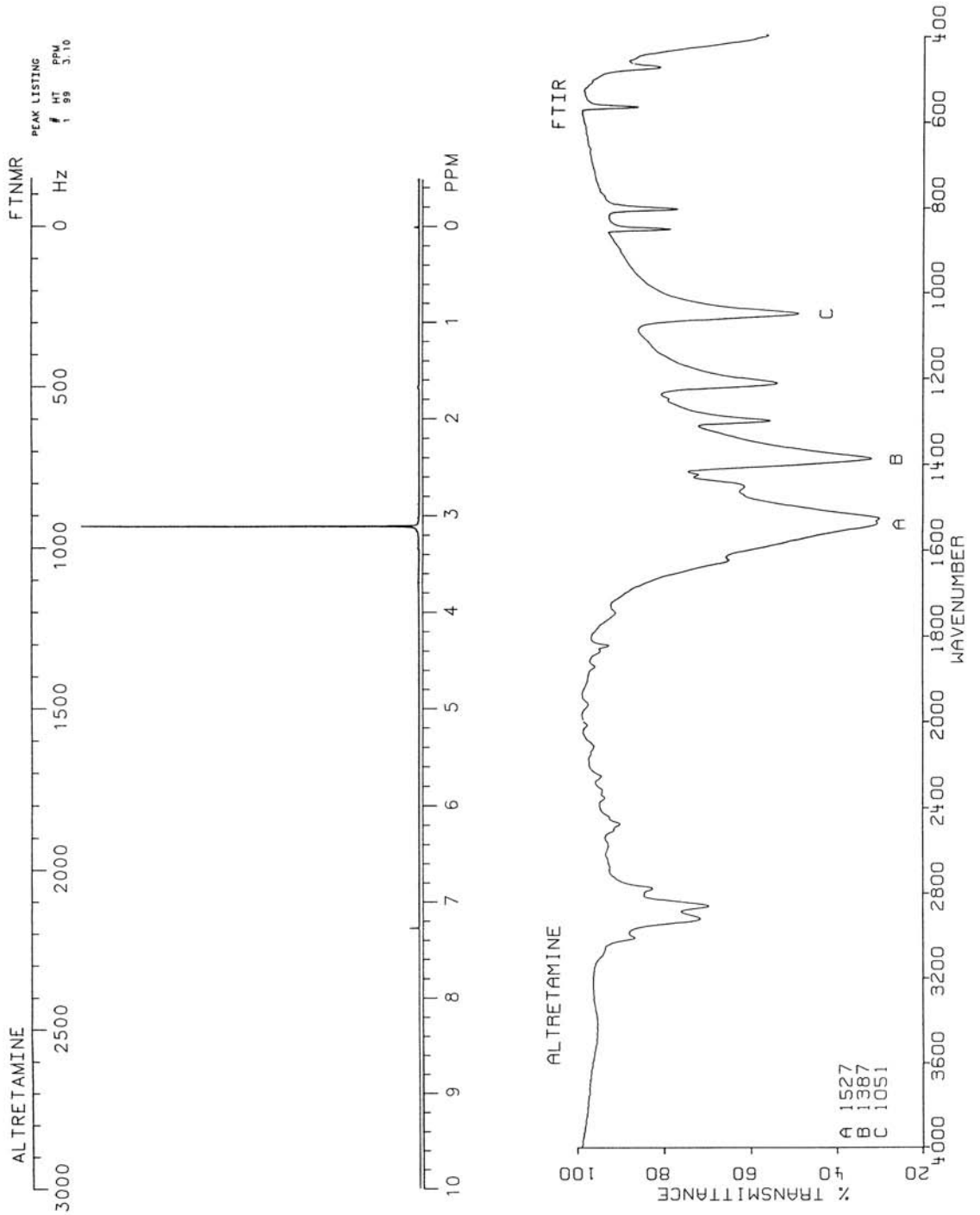
Synonyms: N,N,N',N',N",N"-Hexamethyl-1,3,5-triazine-2,3,6-triamine; hemel; hexamethylmelamine
Trade Names: Hexalen: Hexastat;
Use: Antineoplastic

HPLC: Methanol: 3.2
GC:








FTNMR
PEAK LISTING
HT PPM
1 99 3.10
ALTRETAMINE
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
ALTRETAMINE
A 1527
B 1387
C 1051
A
B
C
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

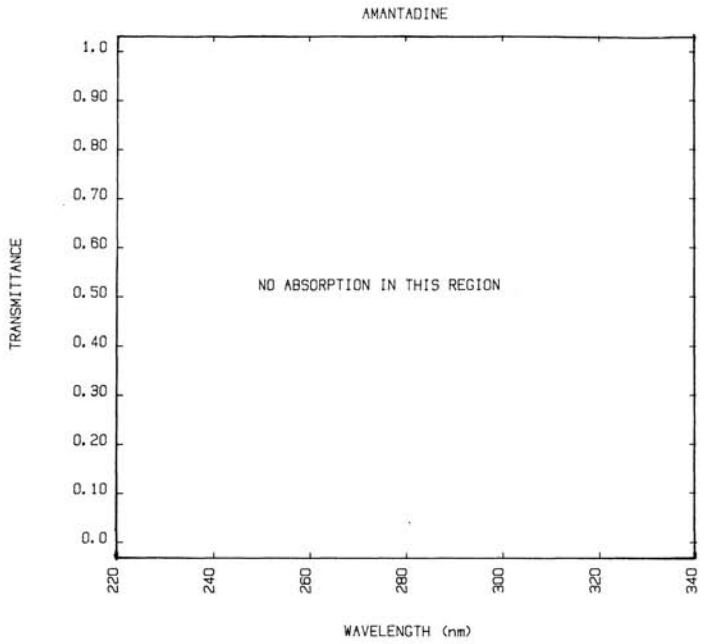
AMANTADINE

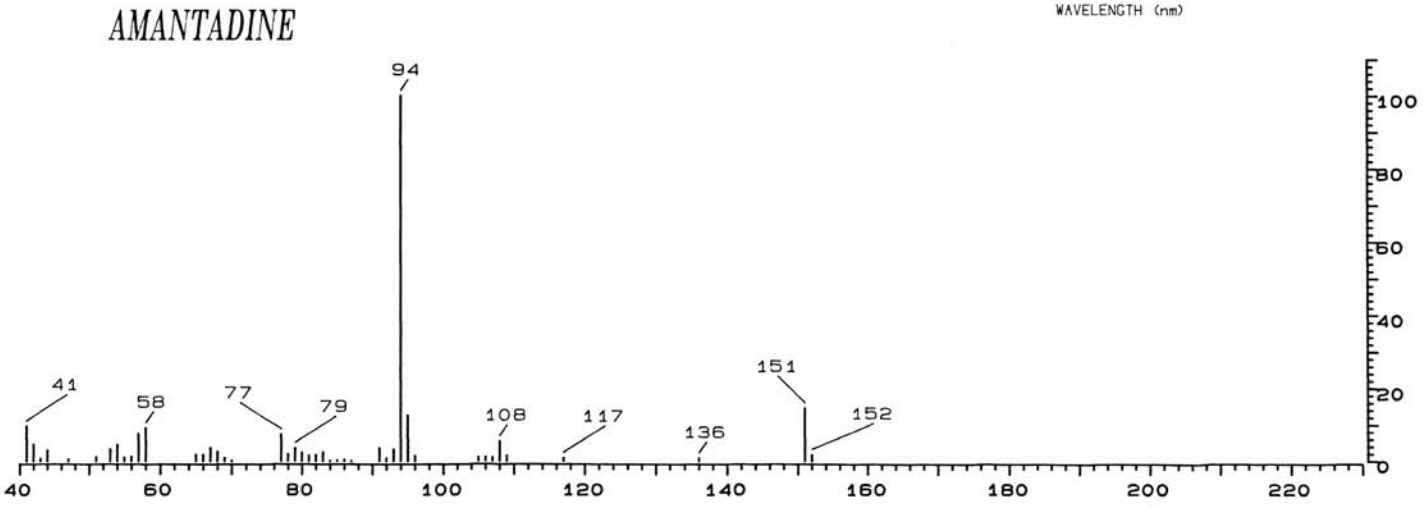
$C_{10}H_{17}N$

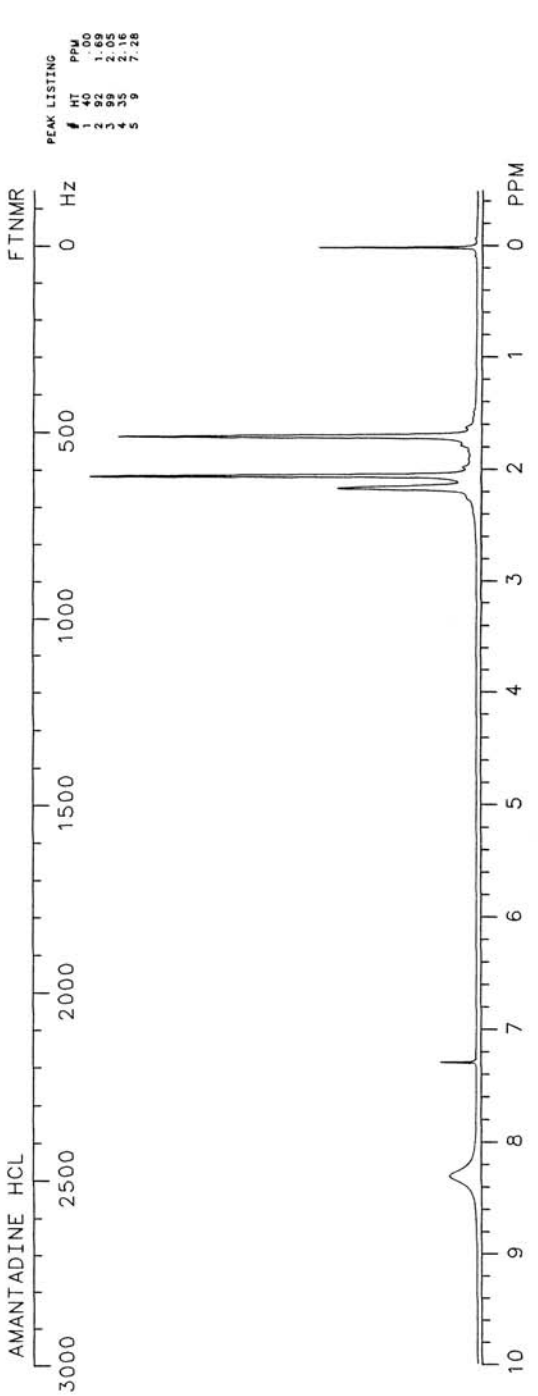
Molecular weight: 151.25 (151.14)
Synonyms: 1-Adamantanamine; 1-aminoadamantane

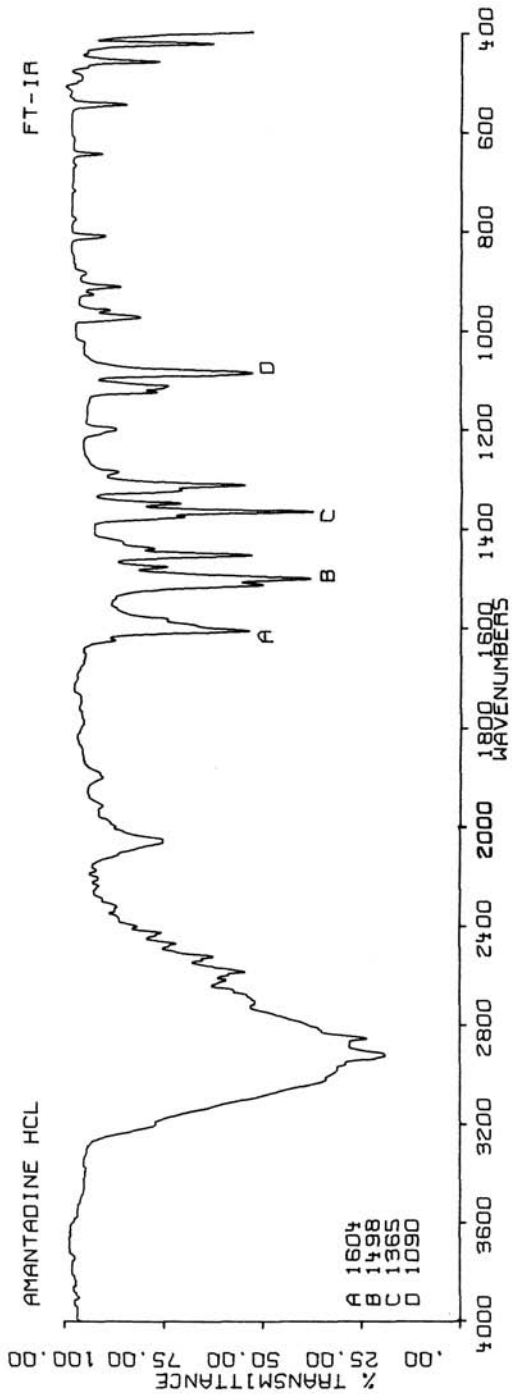
Trade names: Symmetrel

Use: Antiviral
HPLC:
GC: 1179; 140°C






AMANTADINE HCL
FTNMR
PEAK LISTING
HT PPM
1 40 .00
2 92 1.69
3 69 2.05
4 35 2.16
5 9 7.28
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


AMANTADINE HCL
FT-IR
A 1604
B 1498
C 1365
D 1090
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

AMBROXOL

$C_{13}H_{18}Br_2N_2O$

Molecular weight: 378.11 (375.98)

Synonyms: 4-[[(2-Amino-3,5-dibromophenyl)methyl]amino]cyclohexanol

Trade names: Bronchopront, Duramucal, Fluibron, Fluixol, Frenopect, Lindoxyl, Muos-Burg, Mucosolvan, Mucoclear, Mucovent, Pect, Surbronic, Surfactol

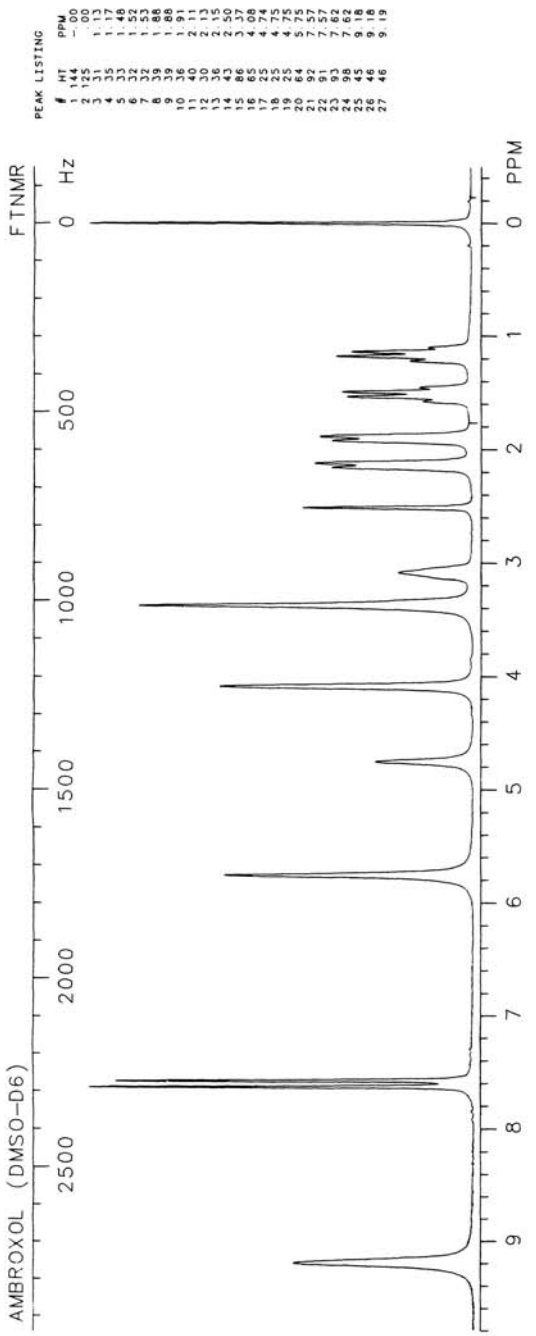
Use: Metabolite of bromhexine, Expectorant

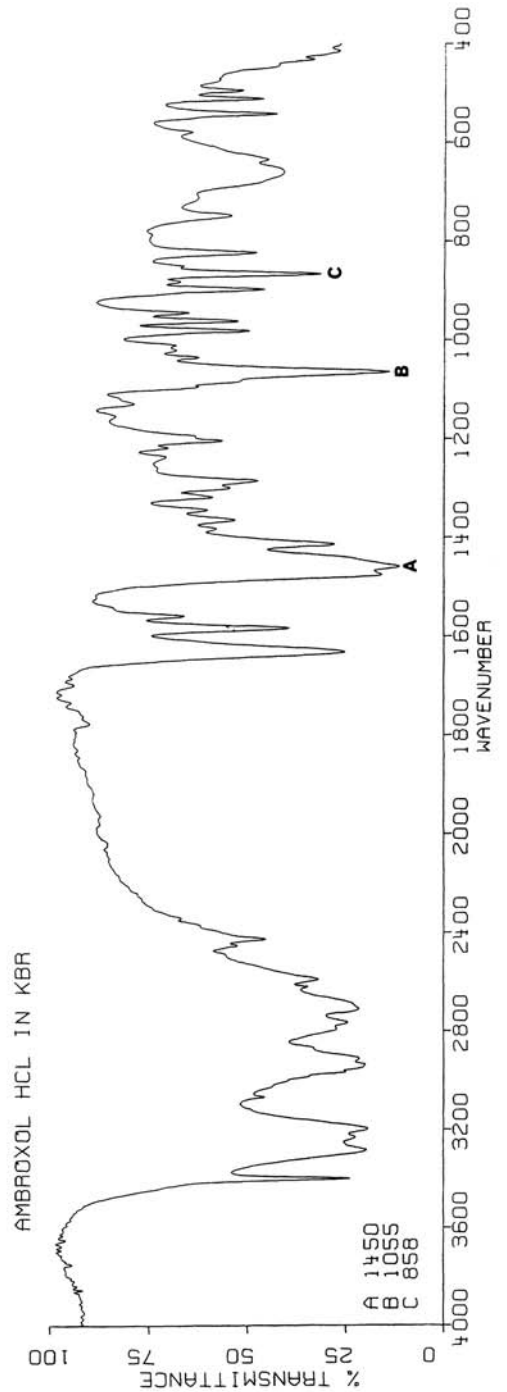
HPLC: 70A:30B; 2.5

GC: 2710; 280°

AMBROXOL HCL

AMBROXOL


AMBROXOL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 144 .00
2 135 .00
3 21 1.13
4 35 1.17
5 33 1.46
6 32 1.52
7 32 1.53
8 39 1.88
9 39 1.91
10 36 1.91
11 40 2.11
12 30 2.13
13 36 2.15
14 43 2.50
15 86 3.37
16 65 4.08
17 25 4.74
18 25 4.75
19 25 4.75
20 64 5.75
21 92 7.57
22 91 7.57
23 93 7.60
24 98 7.62
25 45 9.18
26 46 9.18
27 46 9.19
Hz
PPM


AMBROXOL HCL IN KBR
A 1450
B 1055
C 858
A
B
C
% TRANSMITTANCE
WAVENUMBER

AMBUCETAMIDE

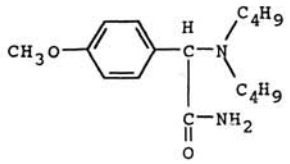
$C_{17}H_{28}N_2O_2$

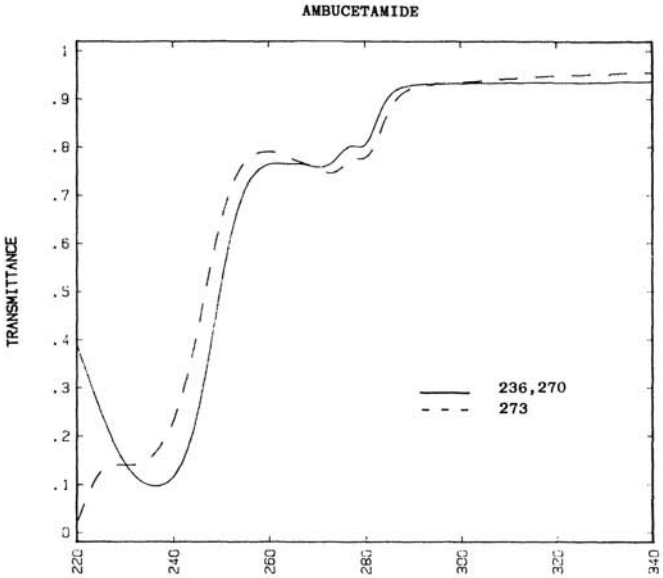
Molecular weight: 292.41 (292.22)

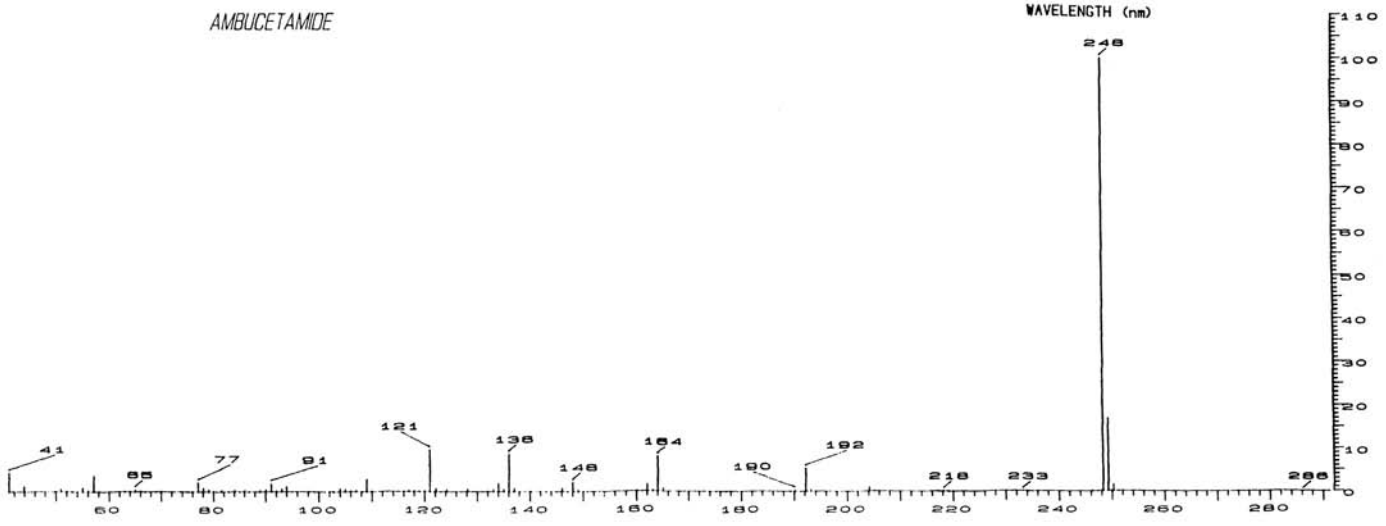
Synonyms: α-(Dibutylamino)-4-methoxybenzeneacetamide

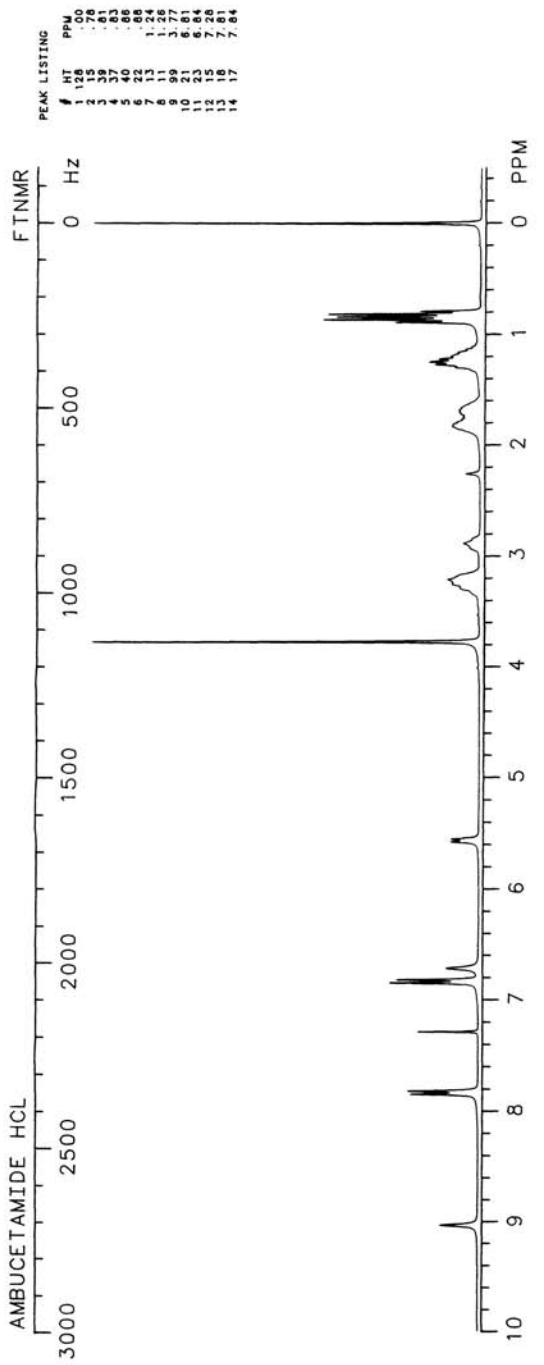
Trade names: Bersen, Dibutamide, Femerital, Meritin

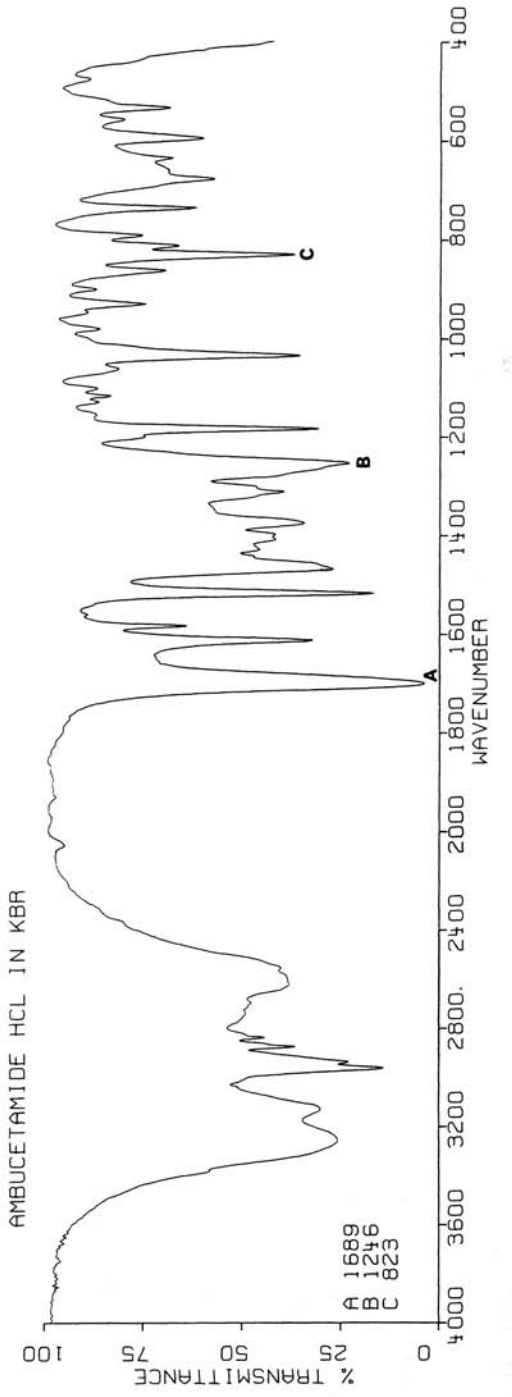
Use: Antispasmodic
HPLC: 70A:30B; 2.2
GC: 2279; 250°








AMBUCETAMIDE HCL
FTNMR
PEAK LISTING
HT PPM
1 100 .70
2 19 .76
3 39 1.61
4 37 1.83
5 40 1.86
6 22 1.88
7 13 1.24
8 11 1.26
9 99 3.77
10 21 6.81
11 23 6.84
12 15 7.28
13 10 7.81
14 17 7.84
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

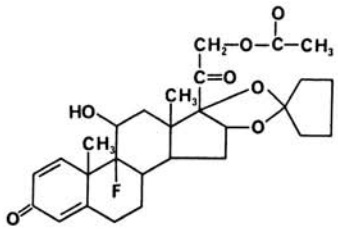

AMBUCETAMIDE HCL IN KBR
A 1689
B 1246
C 823
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800. 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

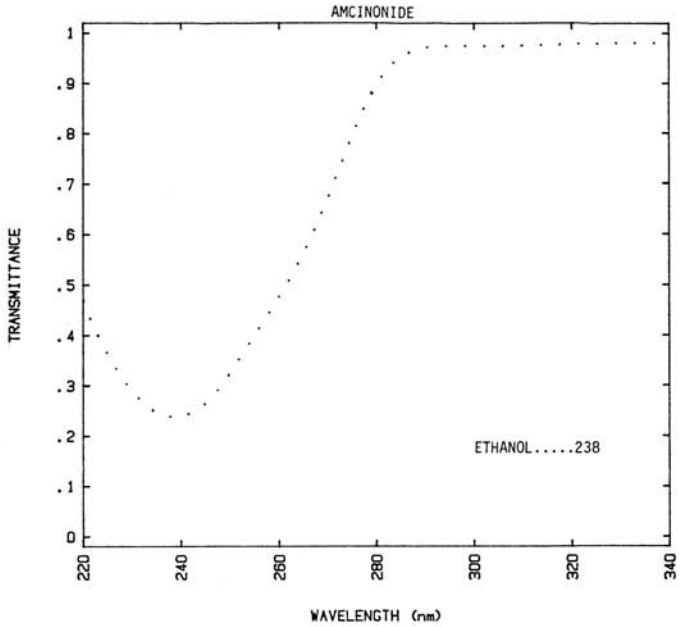
AMCINONIDE

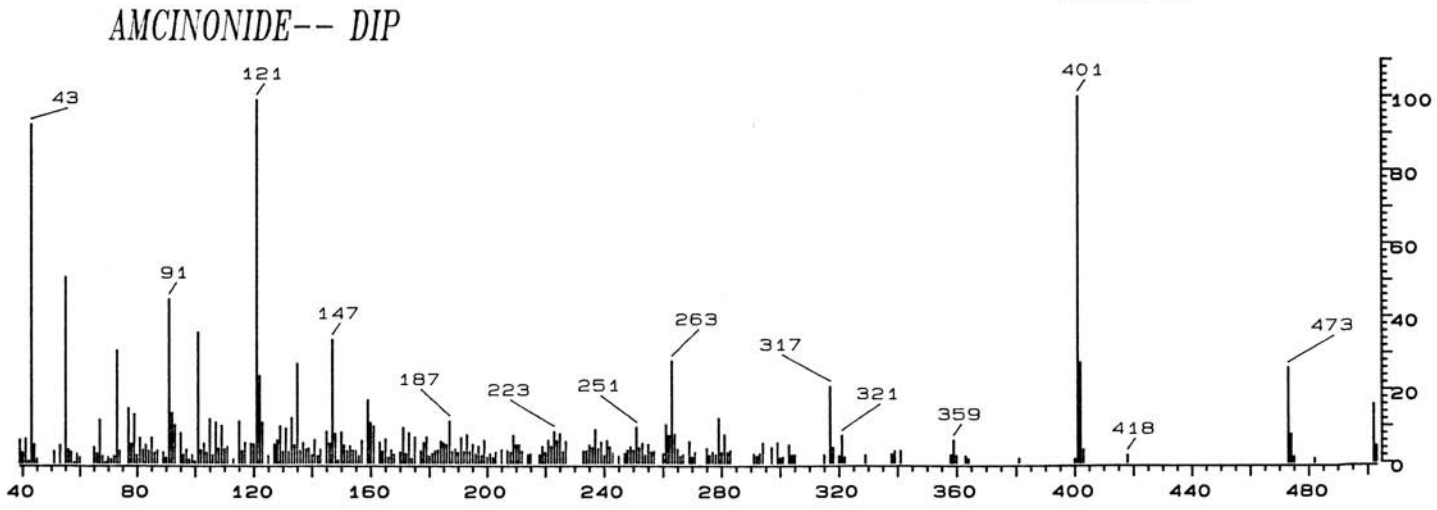
$C_{28}H_{35}FO_7$

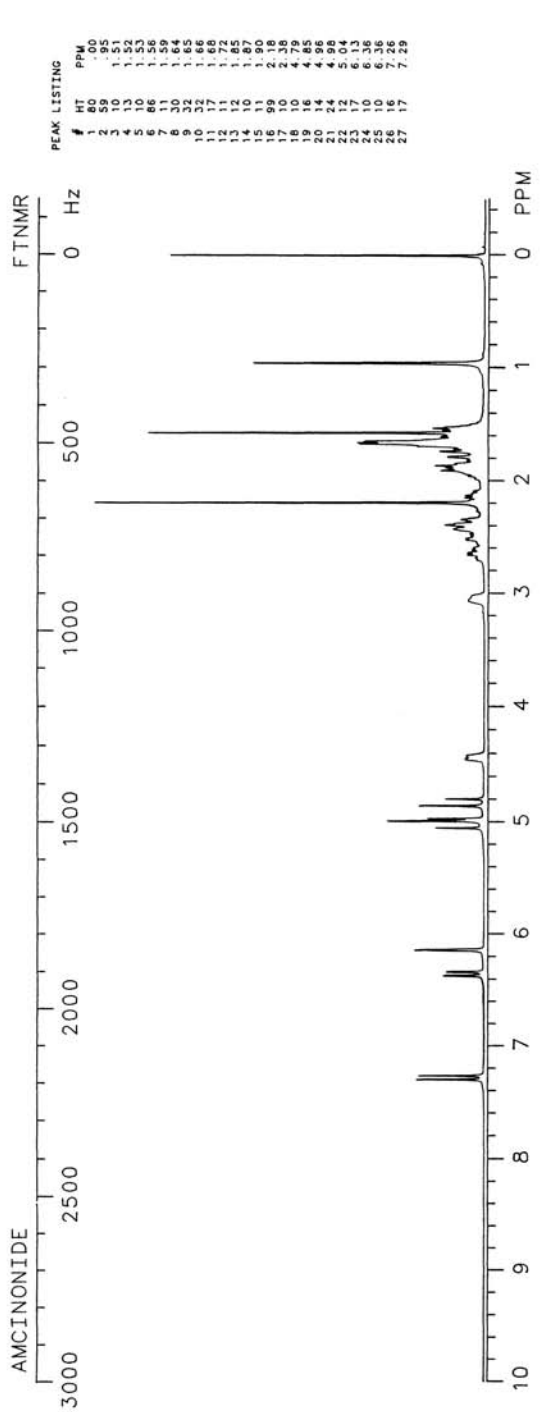
Molecular weight: 502.59 (502.24)
Synonyms: 21-(Acetyloxy)-16,17-[cyclopentylidenebis(oxy)]-
9-fluoro-11-hydroxypregna-1,4-diene-3-20-dione
Trade names: Cyclocort

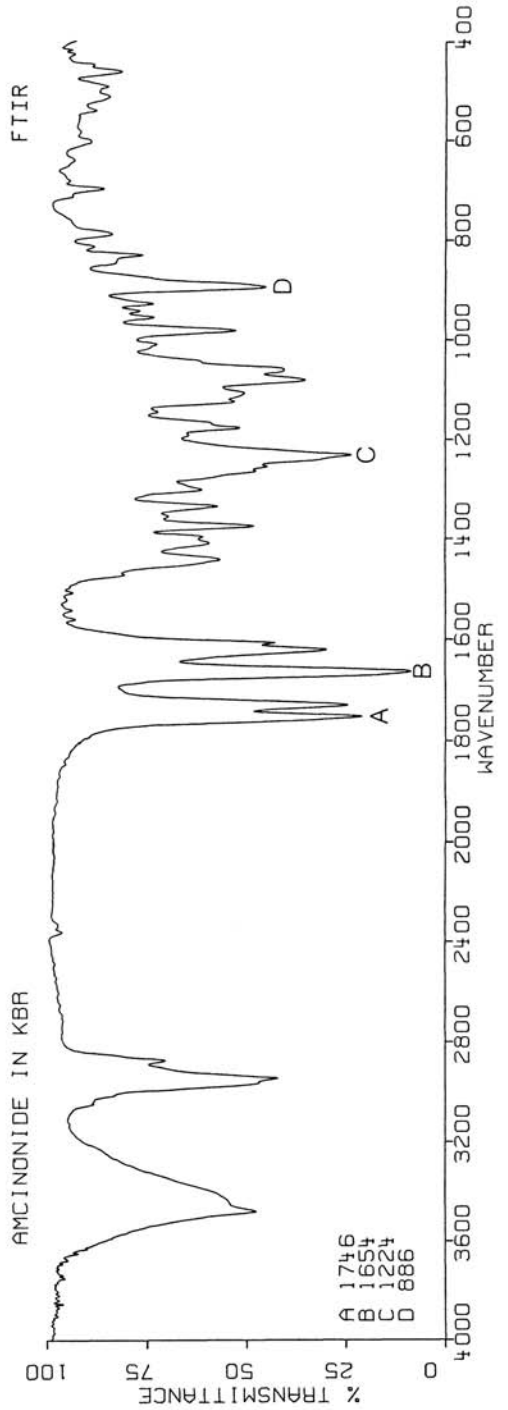
Use: Glucocorticoid, anti-inflammatory
HPLC: Si-10; 1A:99B; 8.0
GC:








AMCINONIDE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 80 .00
2 59 .95
3 10 1.51
4 13 1.52
5 10 1.53
6 86 1.56
7 11 1.59
8 30 1.64
9 32 1.65
10 32 1.66
11 17 1.68
12 11 1.72
13 12 1.85
14 10 1.87
15 11 1.90
16 99 2.18
17 10 2.38
18 10 4.79
19 16 4.85
20 14 4.96
21 14 5.04
22 12 5.14
23 17 6.13
24 10 6.36
25 10 7.26
26 16 7.26
27 17 7.29

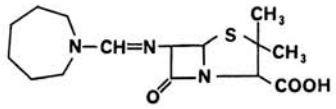

AMCINONIDE IN KBR
FTIR
A 1746
B 1654
C 1224
D 886
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

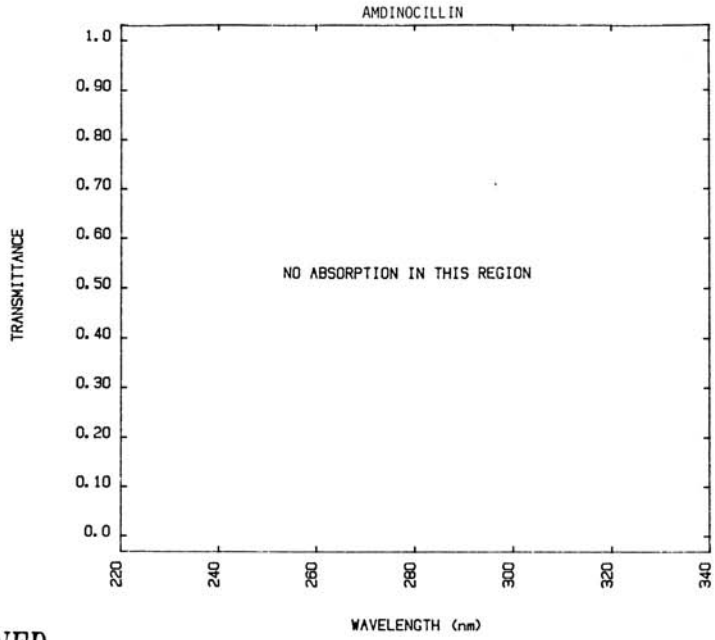
AMDINOCILLIN

$C_{15}H_{23}N_3O_3S$

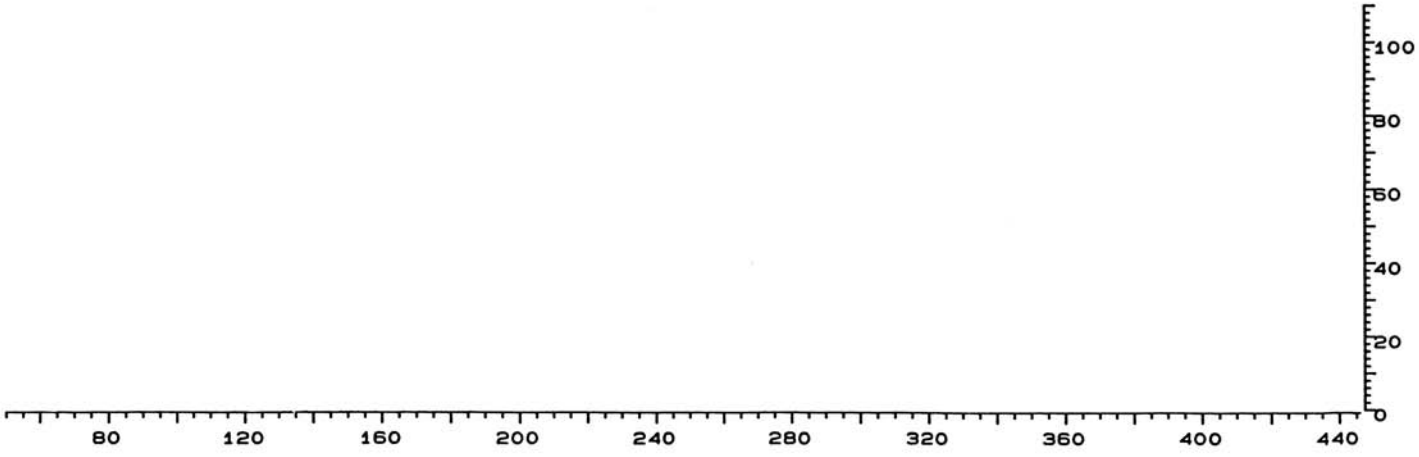
Molecular weight: 325.43 (325.15)
Synonyms: 6-[[(Hexahydro-1H-azepin-1-yl)-methylene]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid; mecillinam
Trade names: Coactin, Selexidin

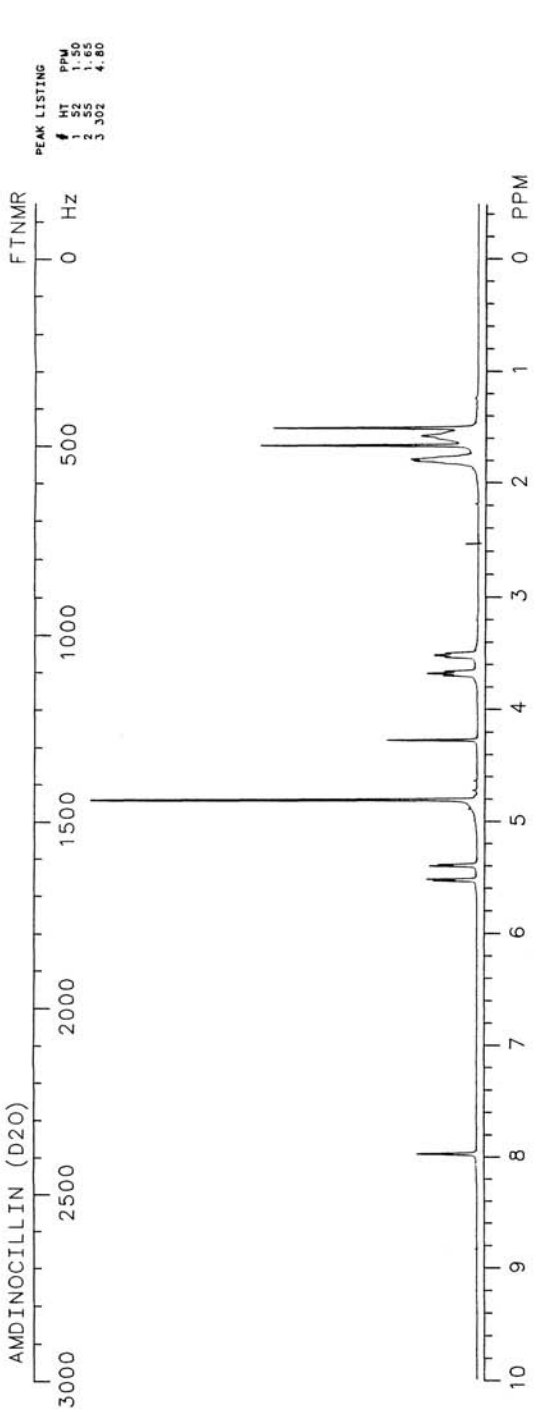
Use: Antibacterial
HPLC: Si-10; 20A:80B; 4.6
GC:

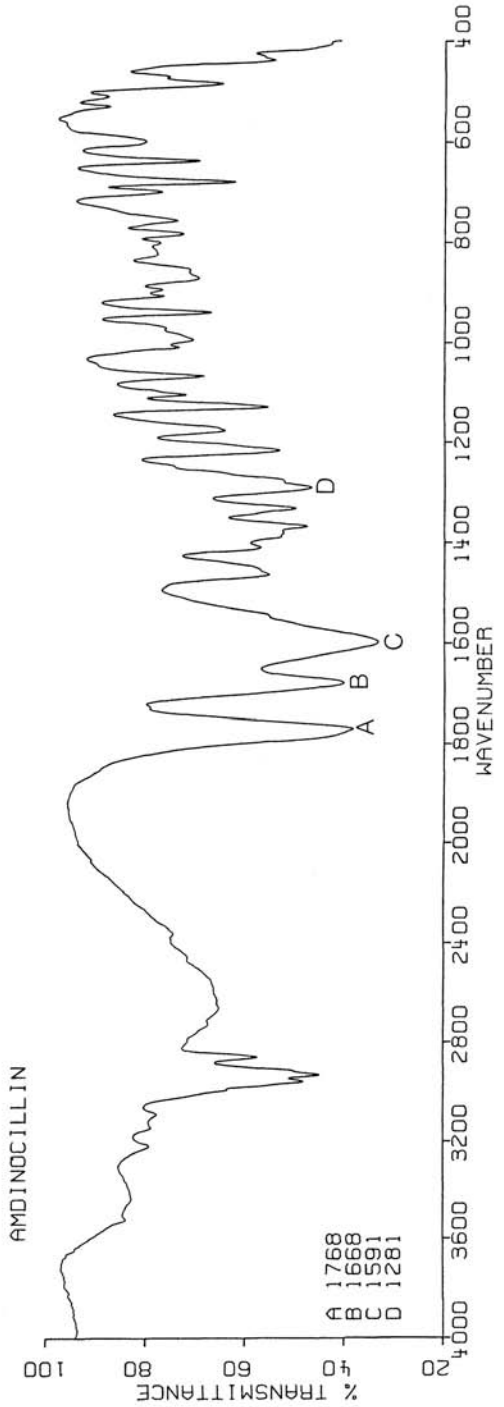




NO USEFUL MASS SPECTRUM WAS OBTAINED




AMDINOCILLIN (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 52 1.50
2 55 1.65
3 302 4.80

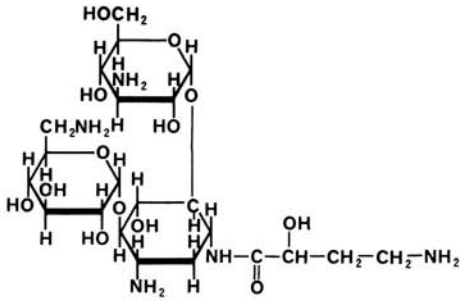

AMDINOCILLIN
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1768
B 1668
C 1591
D 1281

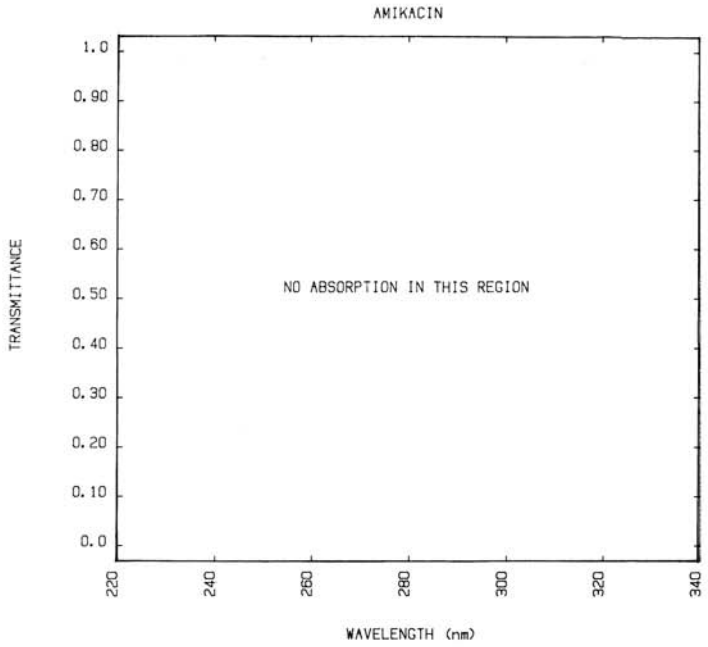
AMIKACIN

$C_{22}H_{43}N_5O_{13}$

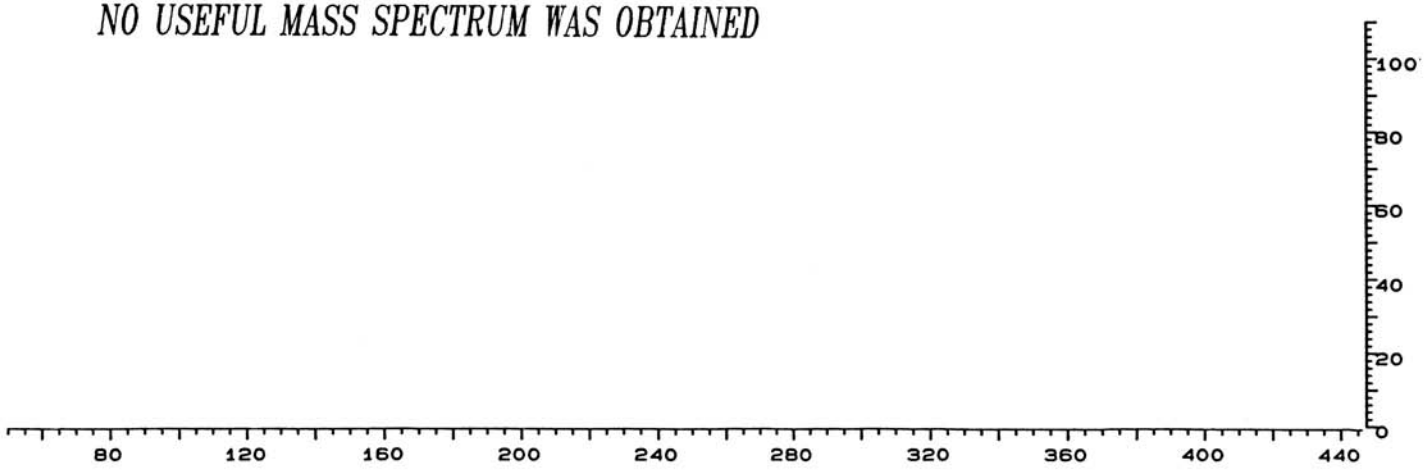
Molecular weight: 585.61 (585.29)
Synonyms: (S)-O-3-Amino-3-deoxy-α-D-glucopyranosyl-(1→6)-O-[6-amino-6-deoxy-α-D-glucopyranosyl-(1→4)]-N'-(4-amino-2-hydroxy-1-oxobutyl)-2-deoxy-D-streptamine
Trade names: Amikin

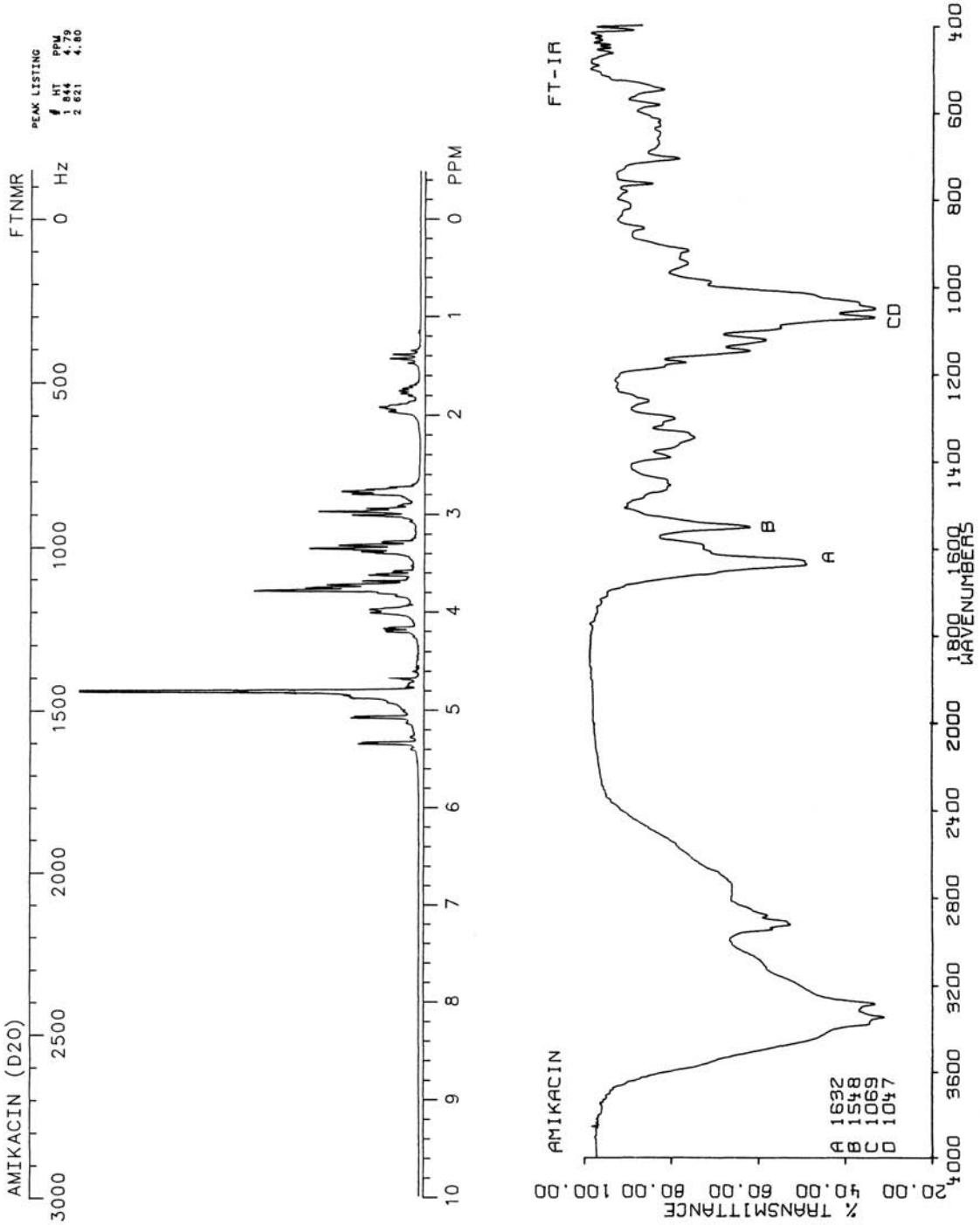
Use: Antibacterial
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



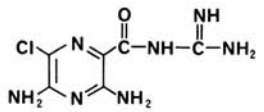

AMIKACIN (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 844 4.79
2 621 4.80
10 9 8 7 6 5 4 3 2 1 0 PPM
AMIKACIN
FT-IR
A 1632
B 1548
C 1069
D 1047
A
B
CD
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

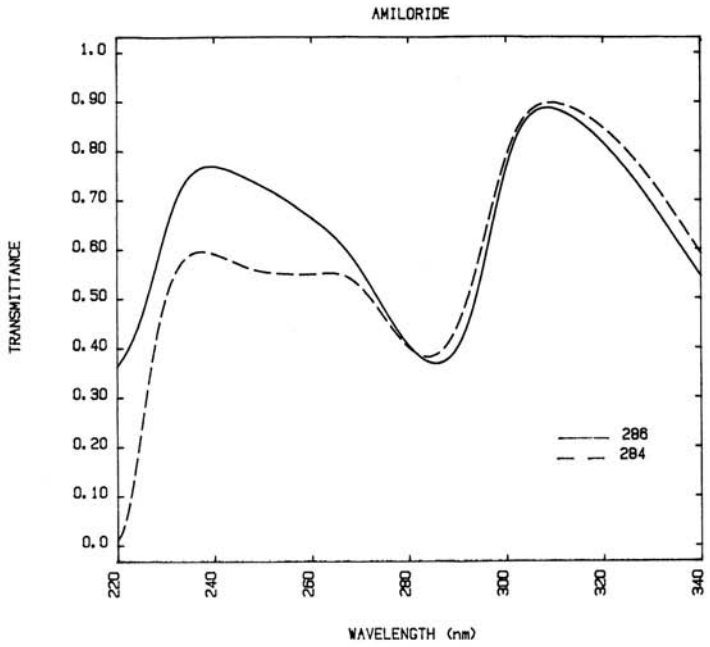
AMILORIDE

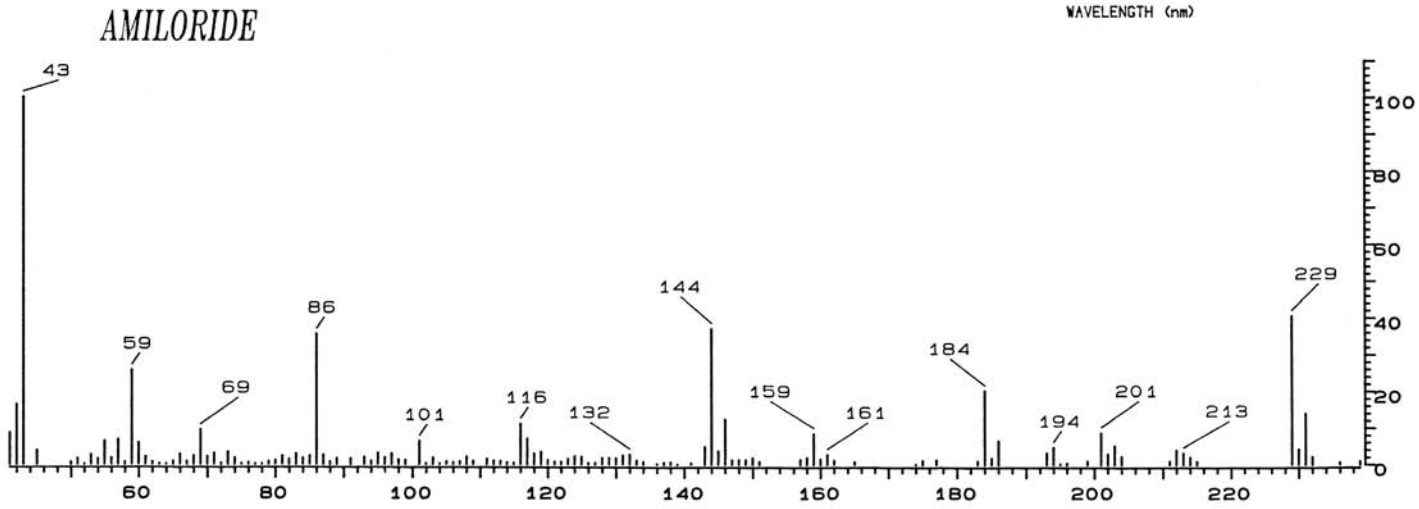
$C_6H_8ClN_7O$

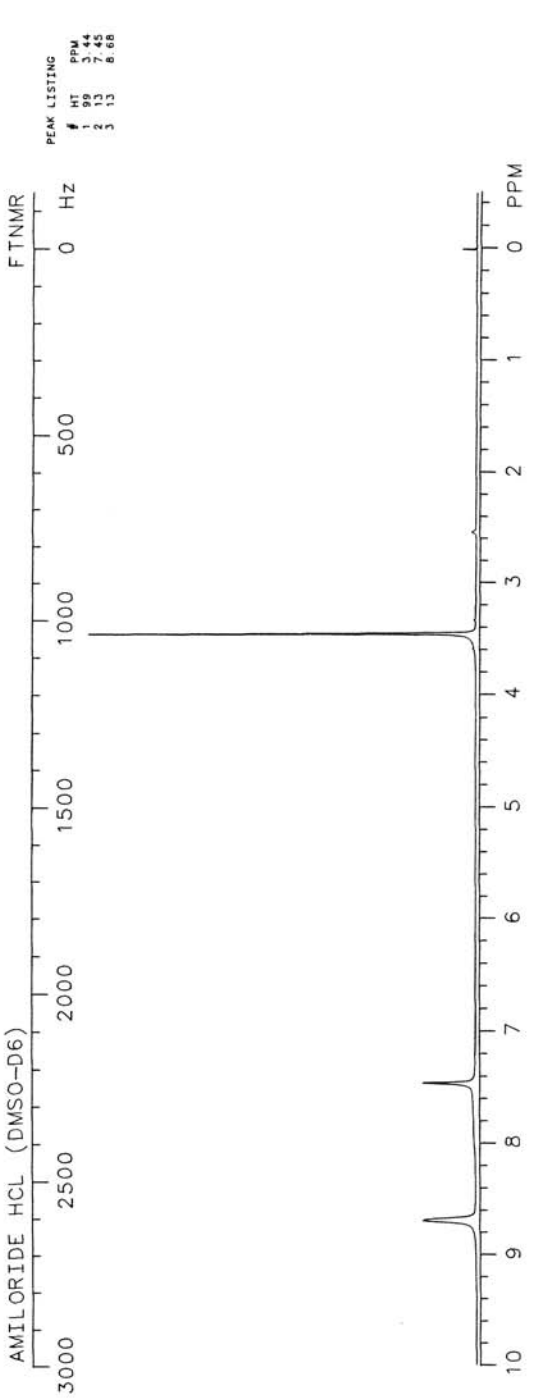
Molecular weight: 229.63 (229.05)
Synonyms: 3,5-Diamino-N-(aminoiminomethyl)-6-chloropyrazine-carboxamide
Trade names: Midamor, Moduretic

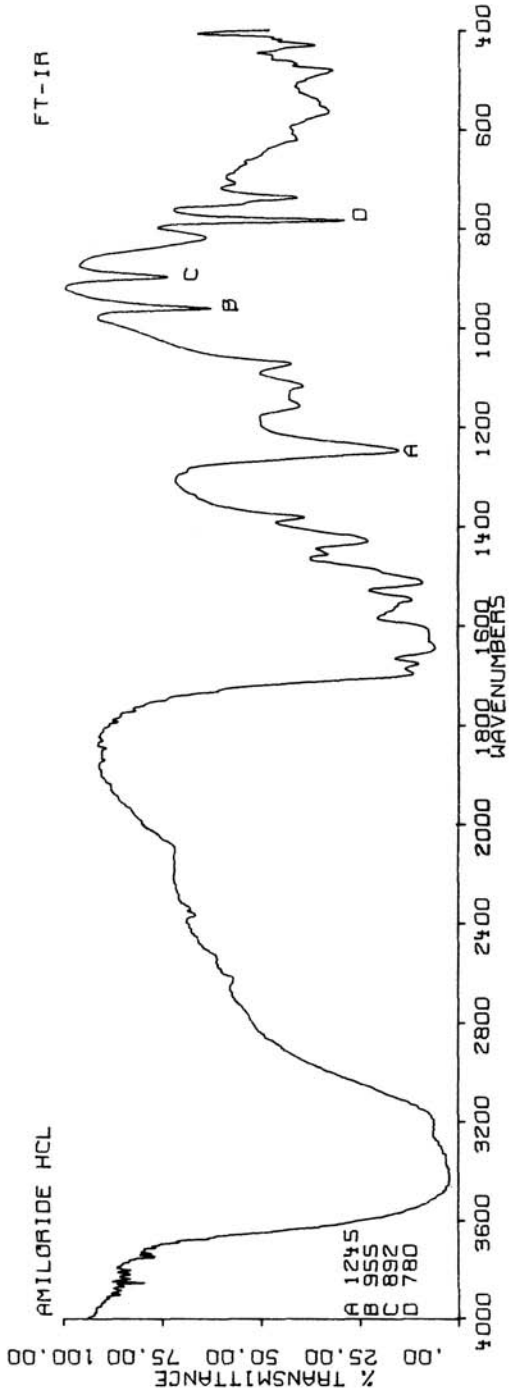
Use: Potassium sparing diuretic
HPLC:
GC:








AMILORIDE HCL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 99 3.44
2 13 7.45
3 13 8.68
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


AMILORIDE HCL
FT-IR
A 1245
B 955
C 892
D 780
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

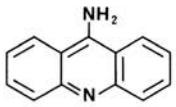
AMINACRINE

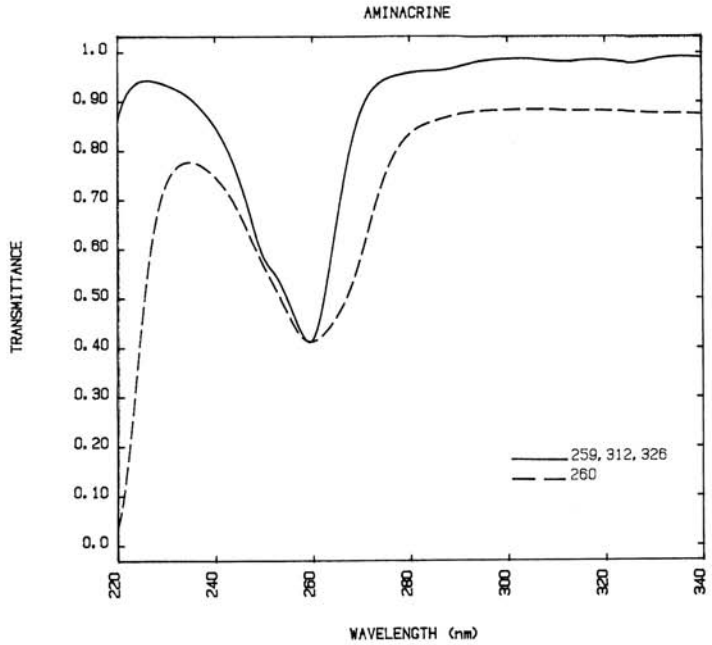
$C_{13}H_{10}N_2$

Molecular weight: 194.24 (194.08)
Synonyms: 9-Acridinamine; 9-aminoacridine

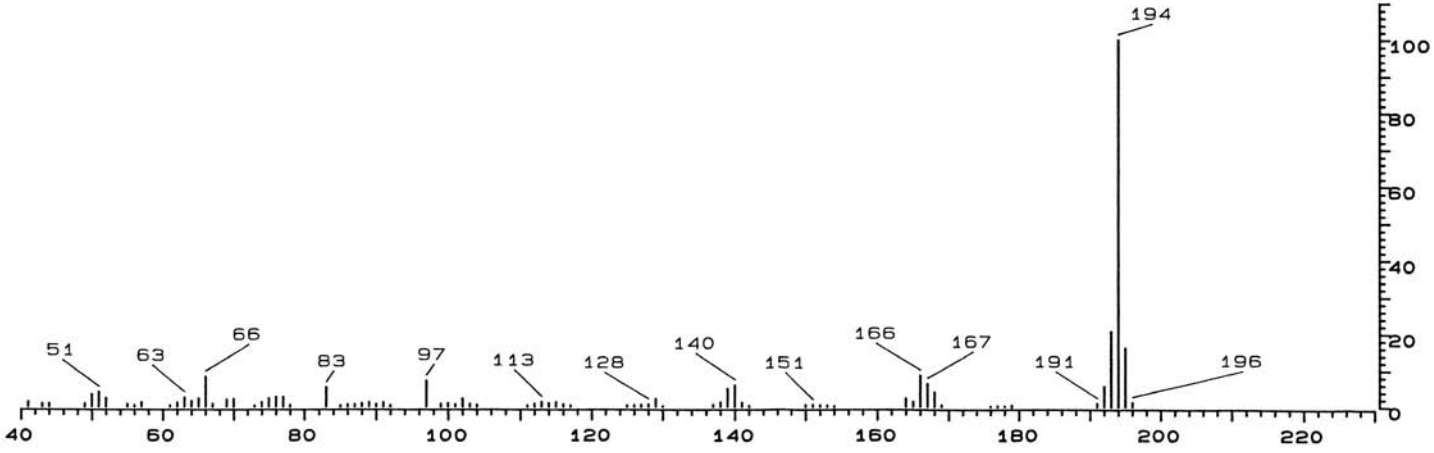
Trade names: Vagilia, Vagitrol

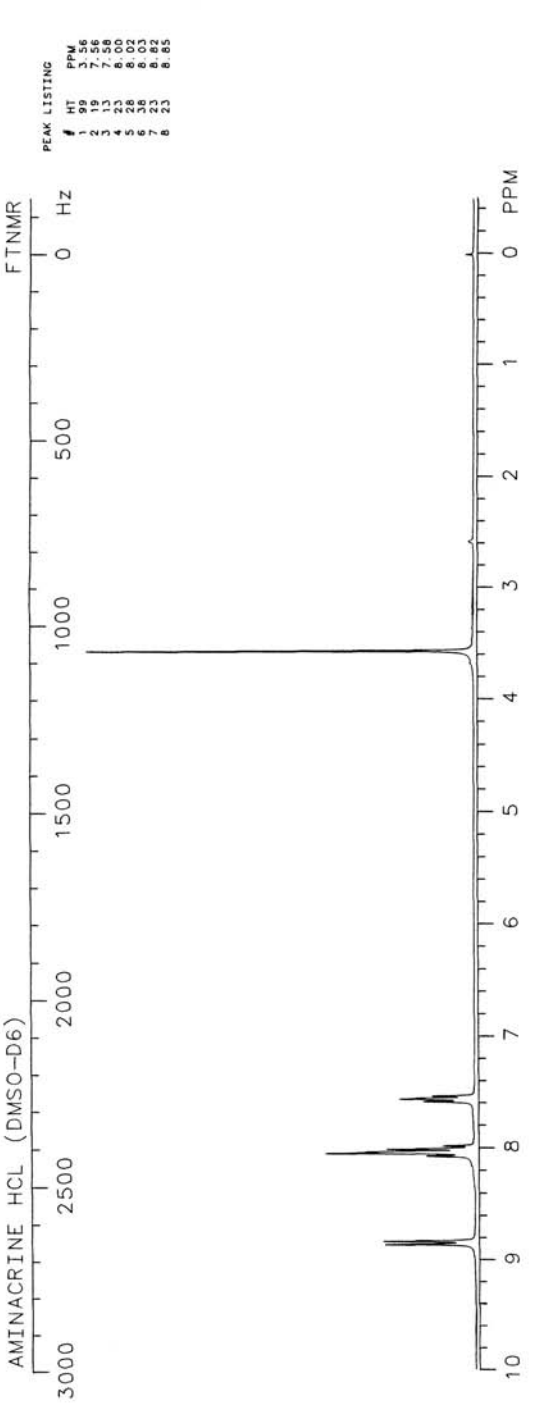
Use: Antiseptic
HPLC: Si-10; 50A:50B; 5.5
GC: 2346; 250°C

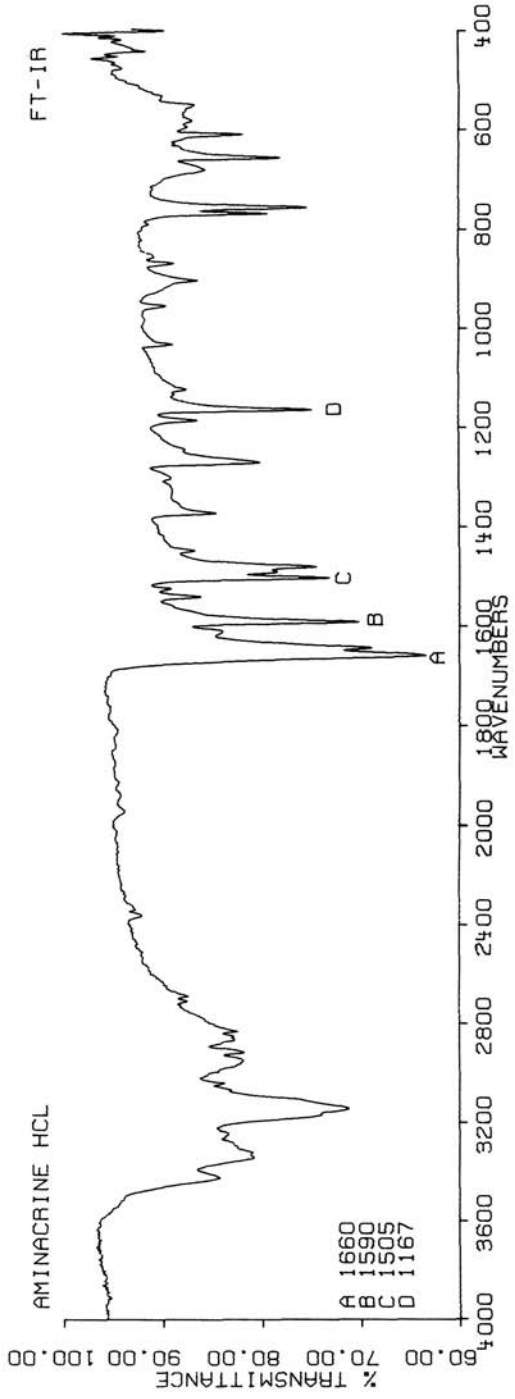




AMINACRINE




AMINACRINE HCL (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 99 3.56
2 19 7.56
3 13 7.58
4 23 8.00
5 28 8.02
6 38 8.03
7 23 8.82
8 23 8.85

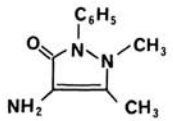

AMINACRINE HCL
FT-IR
A 1660
B 1590
C 1505
D 1167
% TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

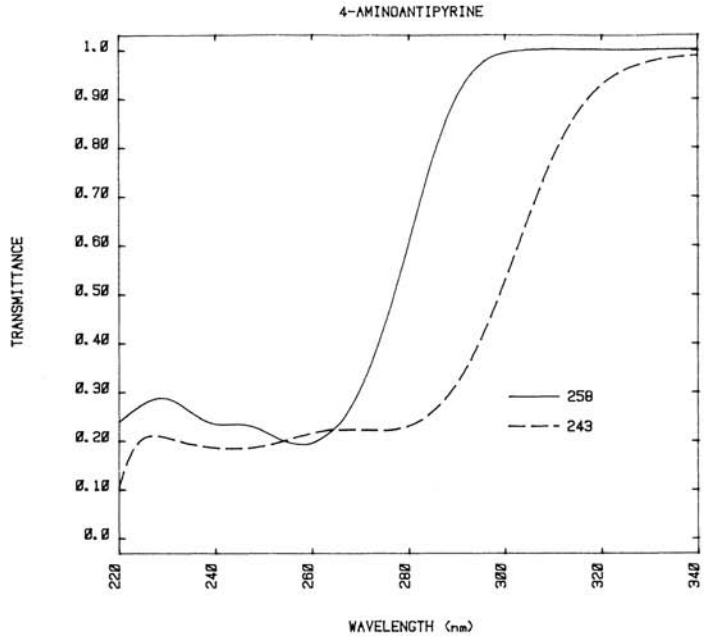
4-AMINOANTIPYRINE

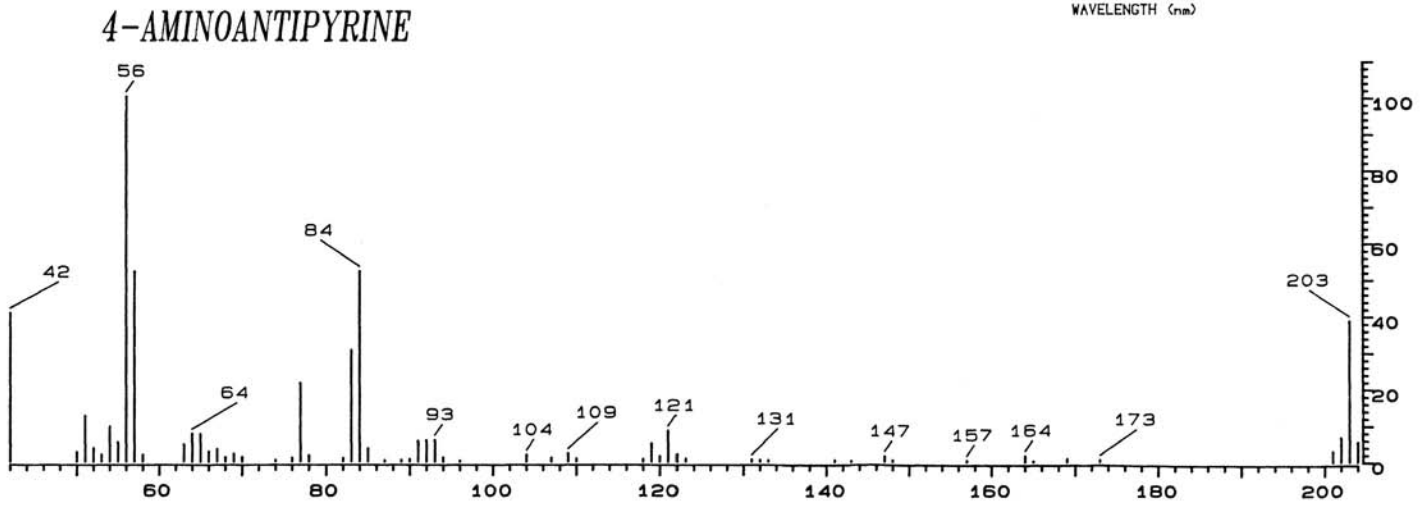
$C_{11}H_{13}N_3O$

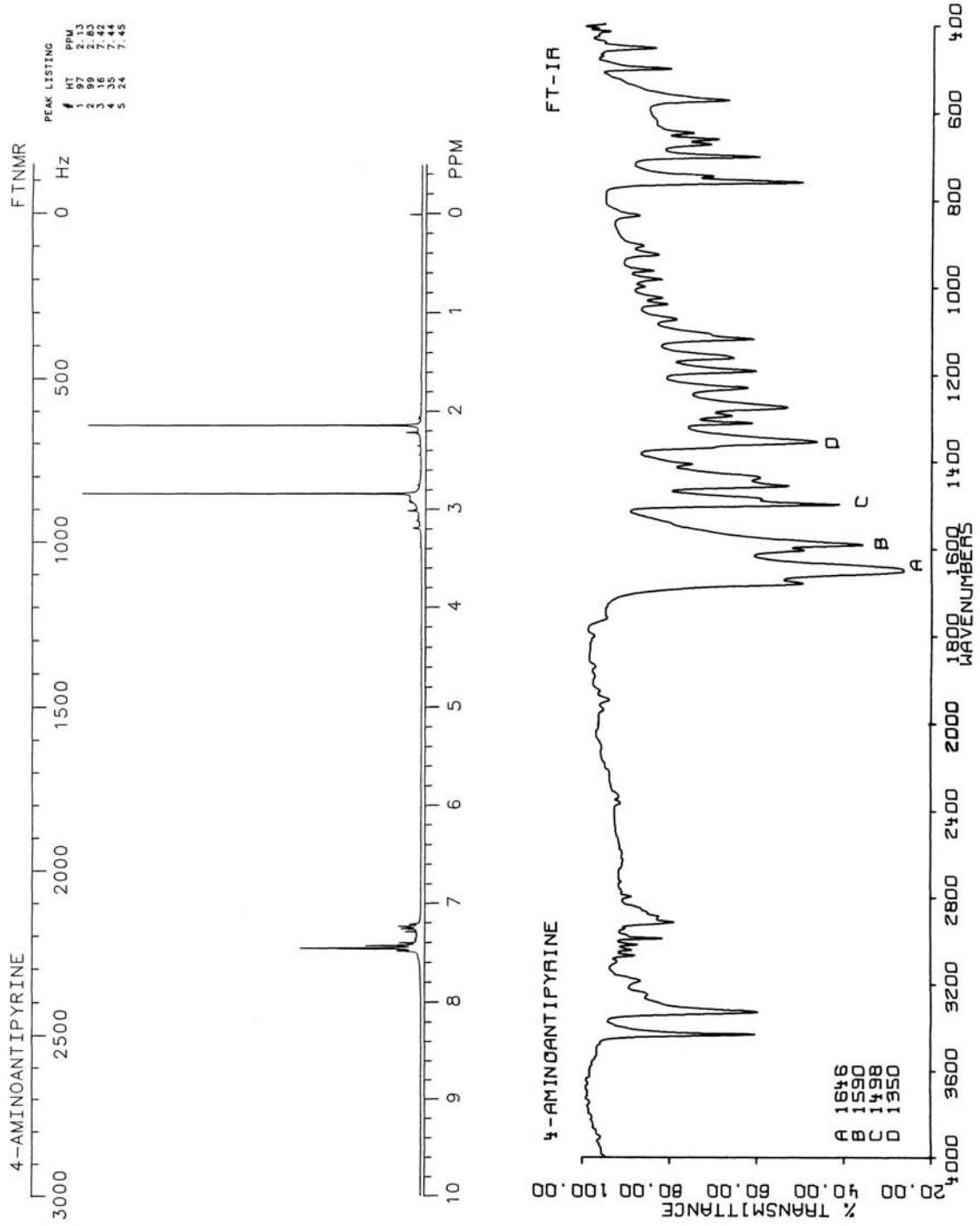
Molecular weight: 203.24 (203.11)
Synonyms: 4-Amino-1,5-dimethyl-2-phenyl-3H-pyrazol-3-one; ampyrone
Trade names:

Use: Analgesic, antipyretic
HPLC: Si-10; 5A:95B; 4.5
GC: 2084; 250°C








4-AMINOANTIPYRINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 97 2.13
2 99 2.63
3 16 7.42
4 35 7.44
5 24 7.45
4-AMINOANTIPYRINE
FT-IR
A 1646
B 1590
C 1498
D 1350
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

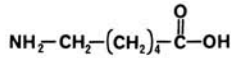
AMINOCAPROIC ACID

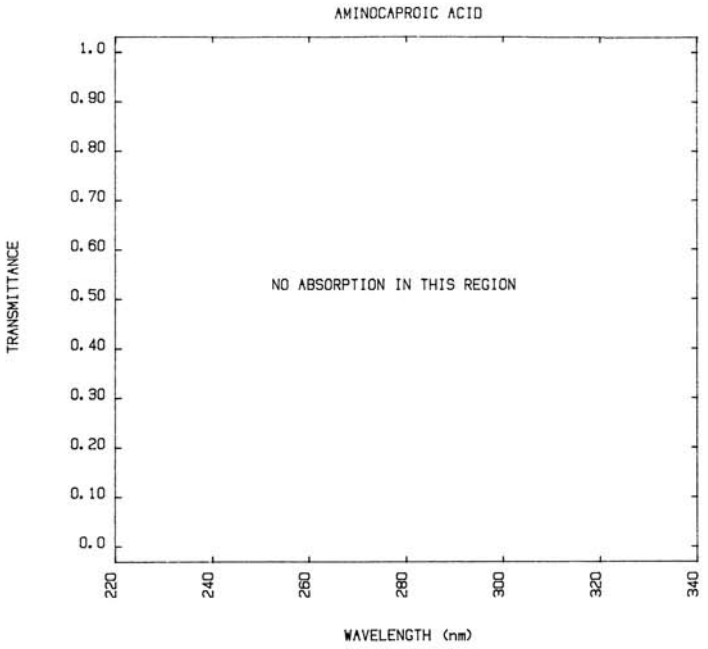
$C_6H_{13}NO_2$

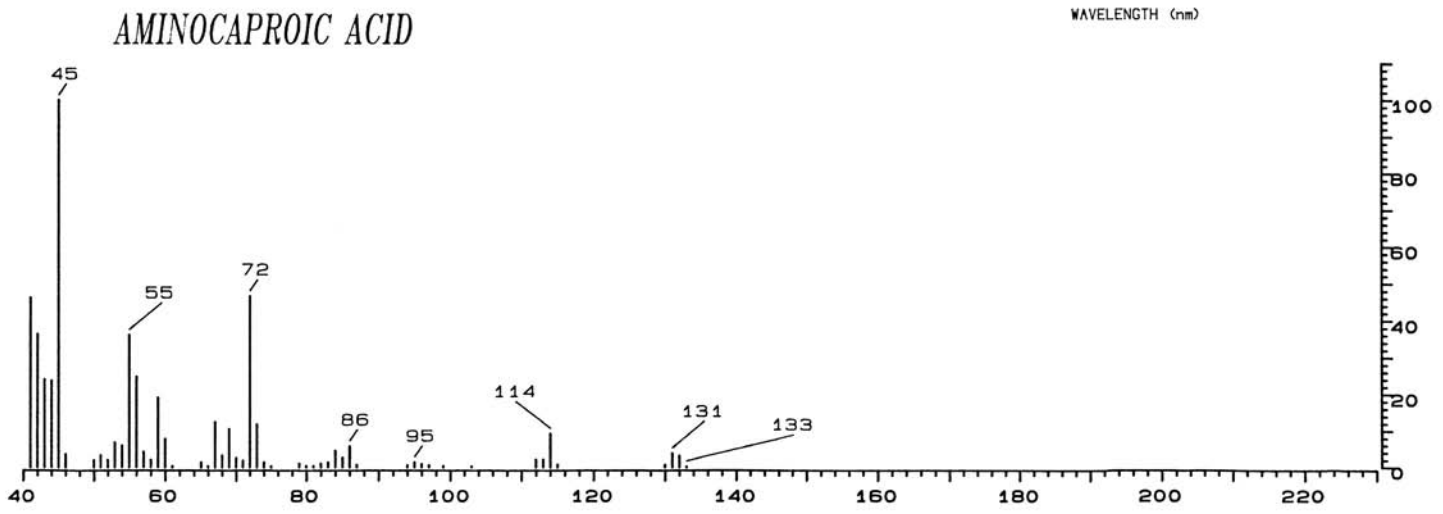
Molecular weight: 131.17 (131.10)
Synonyms: 6-Aminohexanoic acid; epsilcapramin

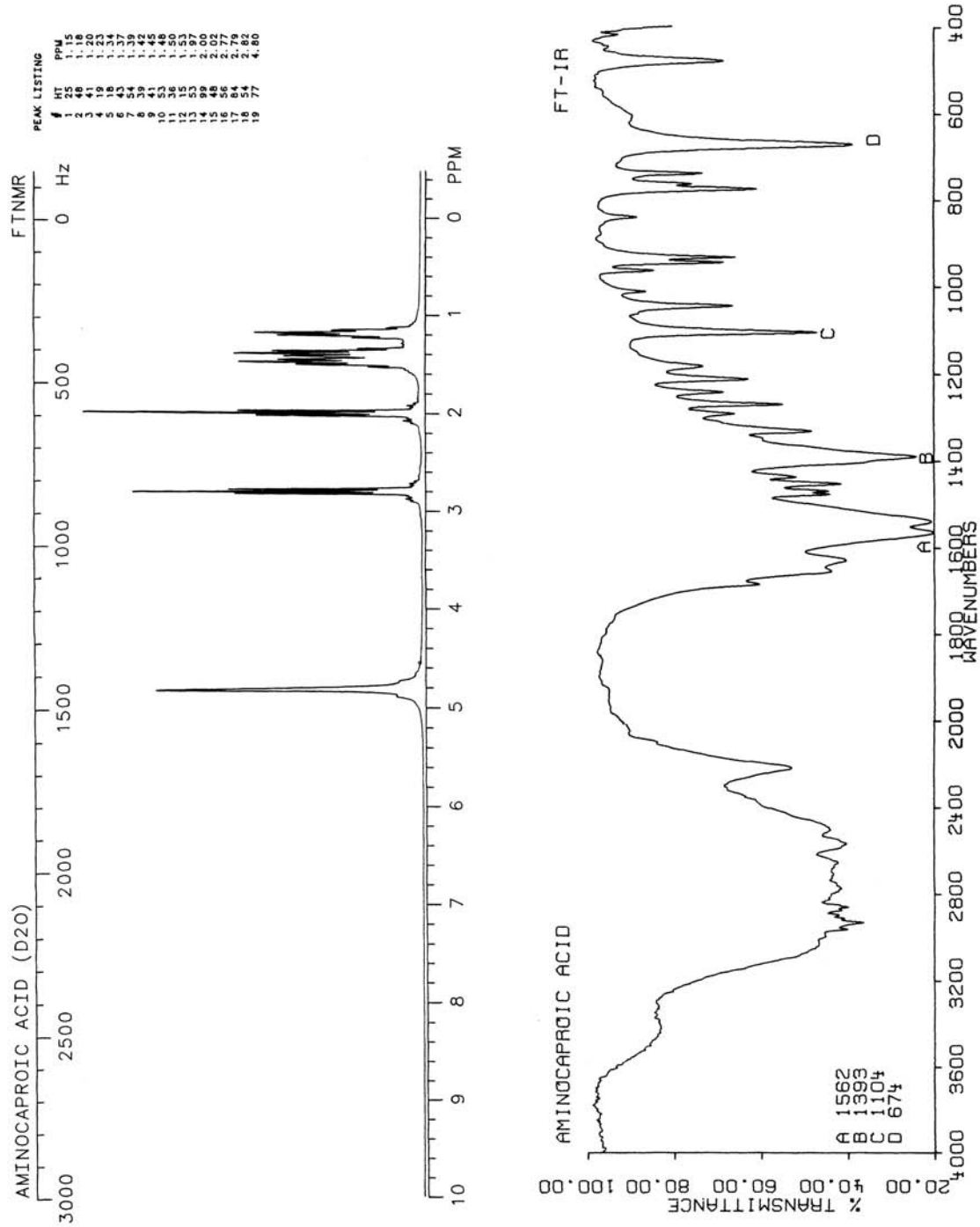
Trade names: Amicar

Use: Antifibrinolytic
HPLC:
GC:








AMINOCAPROIC ACID (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 25 1.15
2 46 1.16
3 41 1.20
4 19 1.23
5 18 1.34
6 43 1.37
7 54 1.39
8 39 1.42
9 41 1.45
10 53 1.48
11 38 1.50
12 15 1.53
13 53 1.97
14 89 2.00
15 49 2.02
16 56 2.77
17 84 2.79
18 54 2.82
19 77 4.80
AMINOCAPROIC ACID
FT-IR
A 1562
B 1393
C 1104
D 674
A
B
C
D
% TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

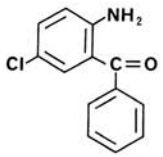
2-AMINO-5-CHLOROBENZOPHENONE

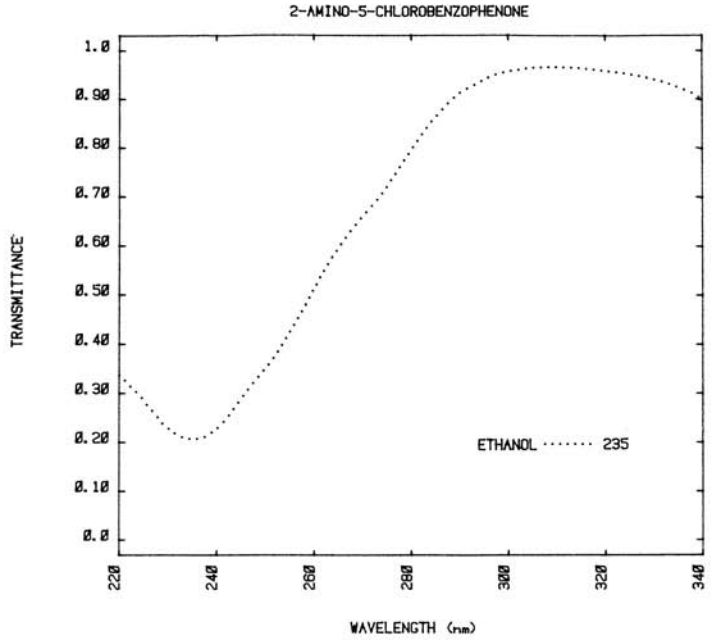
$C_{13}H_{10}ClNO$

Molecular weight: 231.68 (231.05)
Synonyms: 2-Amino-5-chloro-diphenylmethanone

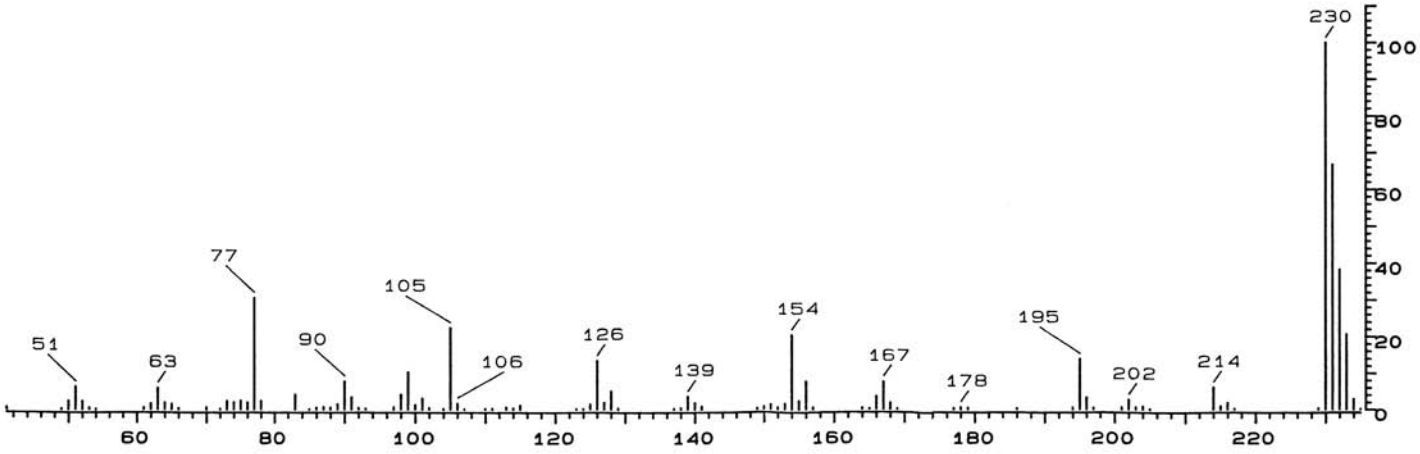
Trade names:

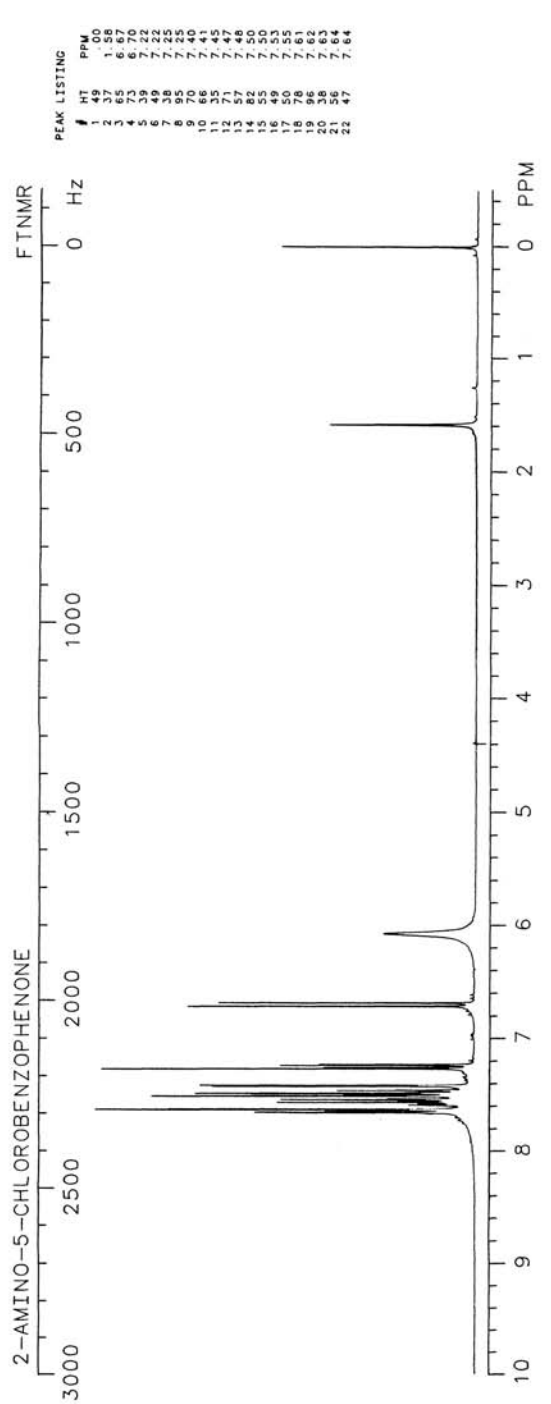
Use:
HPLC: Si-10; 100B; 3.5
GC: 2106; 250°C

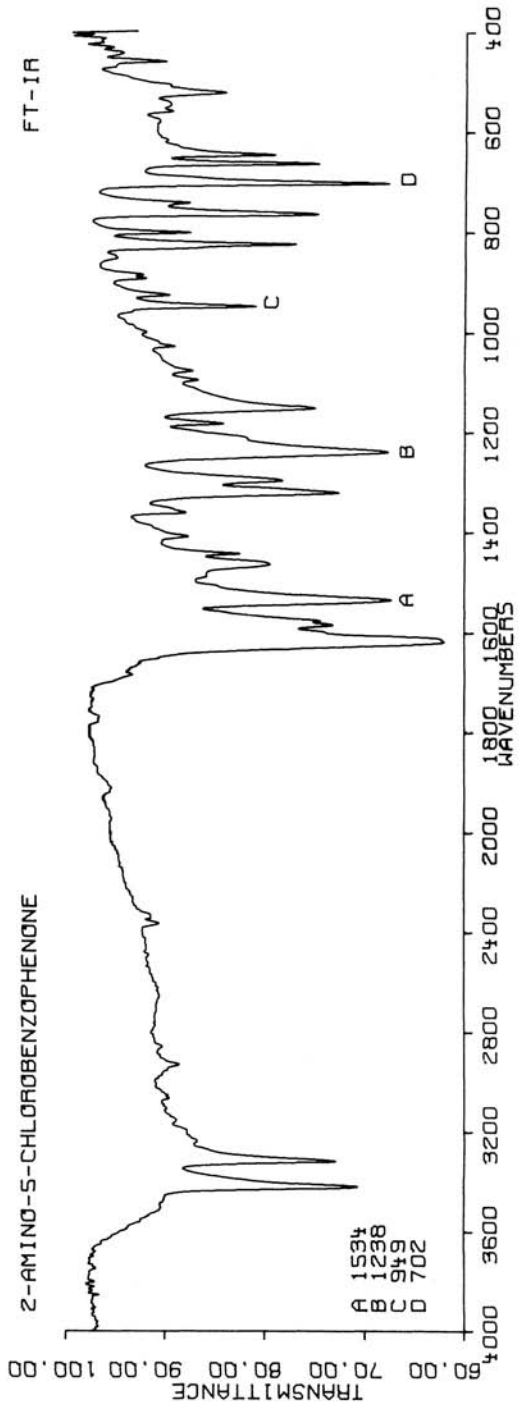




2-AMINO-5-CHLOROBENZOPHENONE




2-AMINO-5-CHLOROBENZOPHENONE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 49 00
2 37 1.58
3 65 6.67
4 73 6.70
5 39 7.22
6 49 7.22
7 38 7.25
8 95 7.25
9 70 7.40
10 66 7.41
11 35 7.45
12 71 7.47
13 57 7.48
14 82 7.50
15 55 7.50
16 49 7.53
17 50 7.55
18 78 7.61
19 96 7.62
20 38 7.63
21 56 7.64
22 47 7.64


2-AMINO-5-CHLOROBENZOPHENONE
FT-IR
TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1534
B 1238
C 949
D 702
A
B
C
D

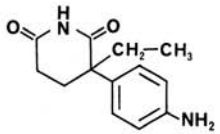
AMINOGLUTETHIMIDE

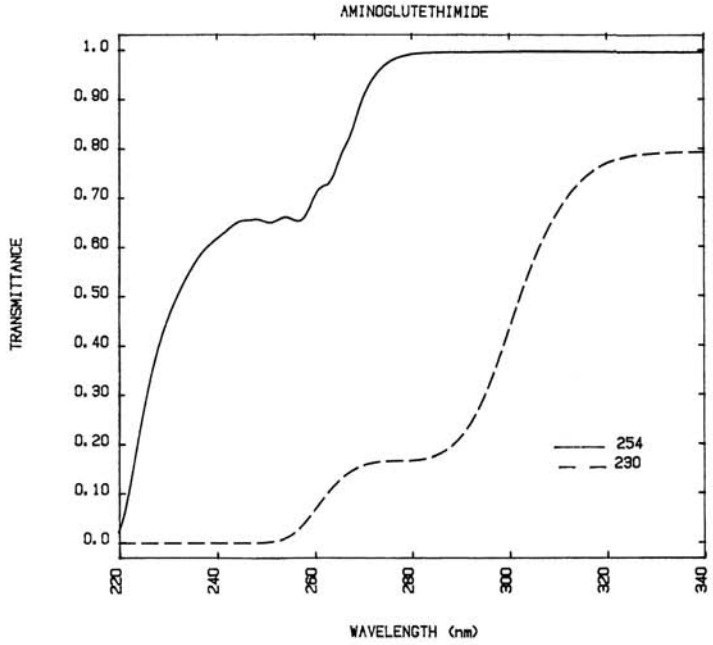
$C_{13}H_{16}N_2O_2$

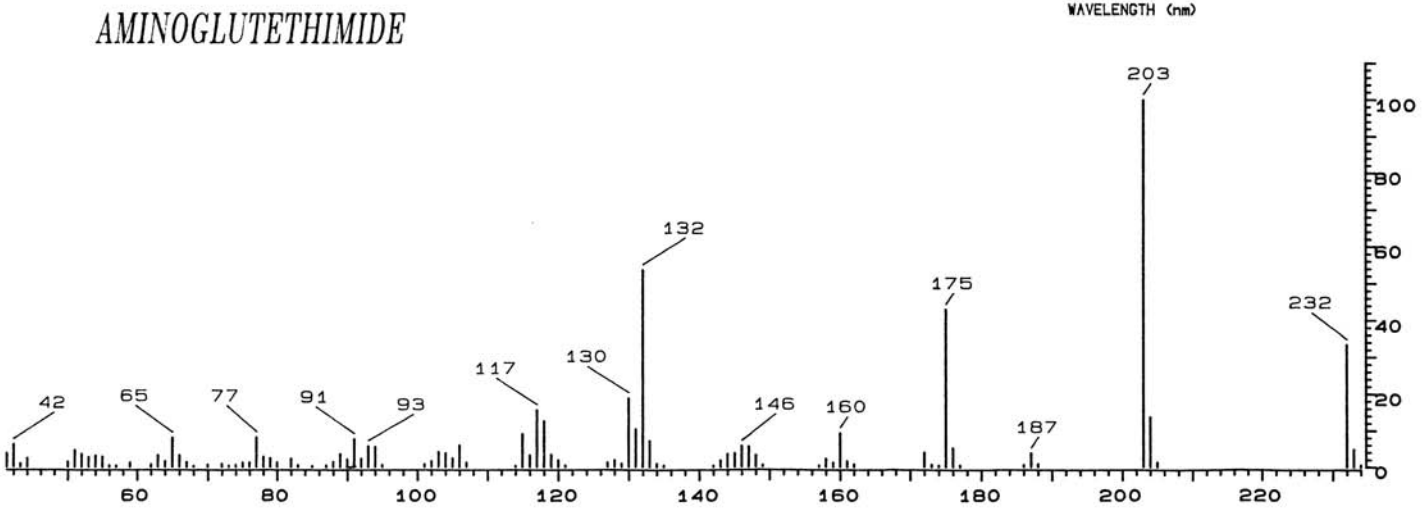
Molecular weight: 232.28 (232.12)
Synonyms: 3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione

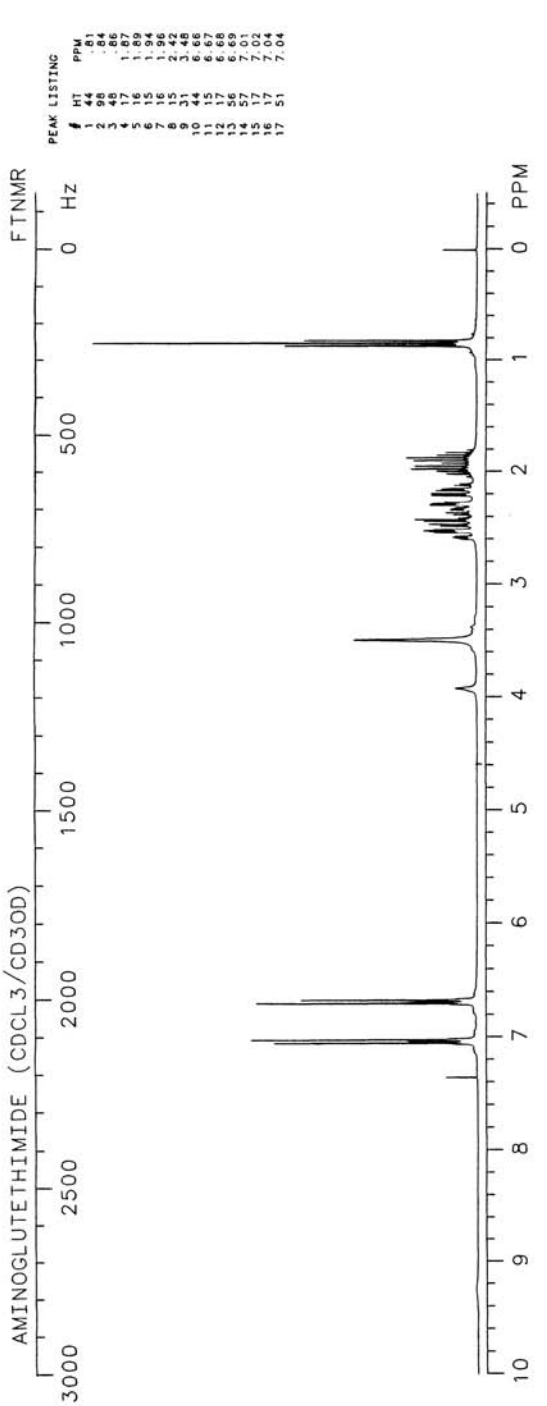
Trade names: Cytadren

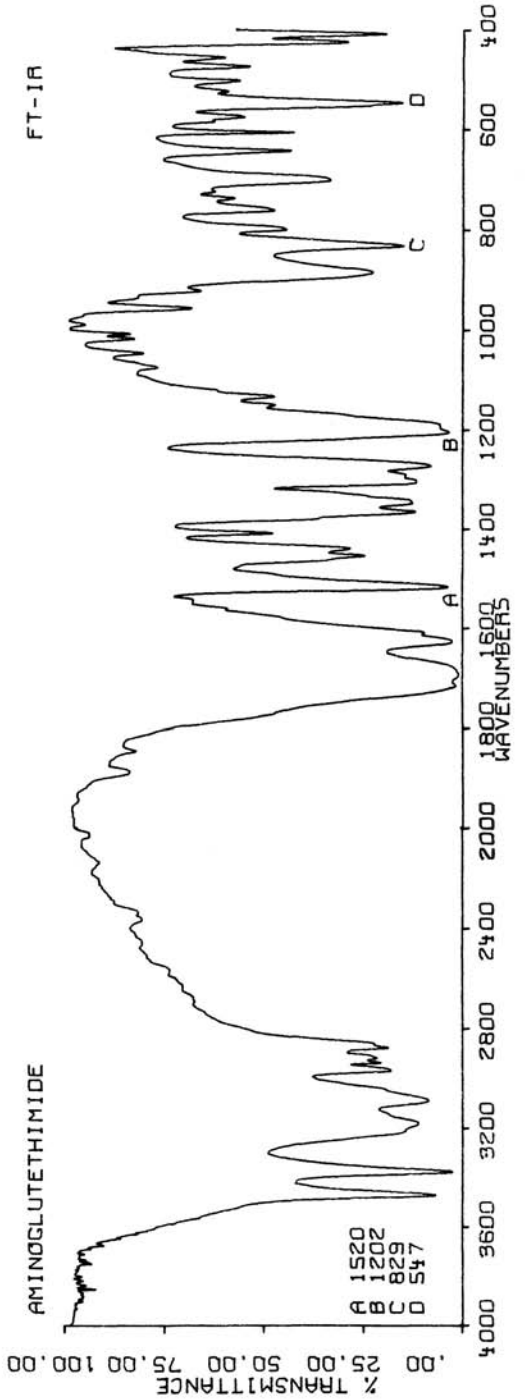
Use: Anticonvulsant
HPLC:
GC: 2248; 250°C








FTNMR
AMINOGLUTETHIMIDE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 44 .81
2 98 .84
3 48 .86
4 17 1.87
5 16 1.89
6 15 1.94
7 16 1.96
8 15 2.42
9 31 3.48
10 44 6.66
11 15 6.67
12 17 6.68
13 56 6.69
14 57 7.01
15 17 7.02
16 17 7.04
17 51 7.04
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

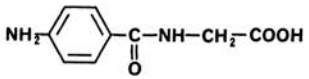

FT-IR
AMINOGLUTETHIMIDE
A 1520
B 1202
C 829
D 547
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

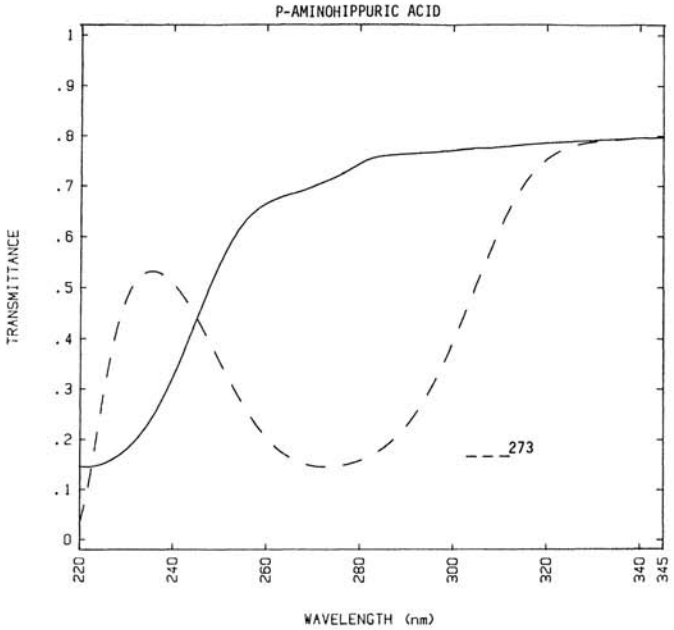
P-AMINOHIPPURIC ACID

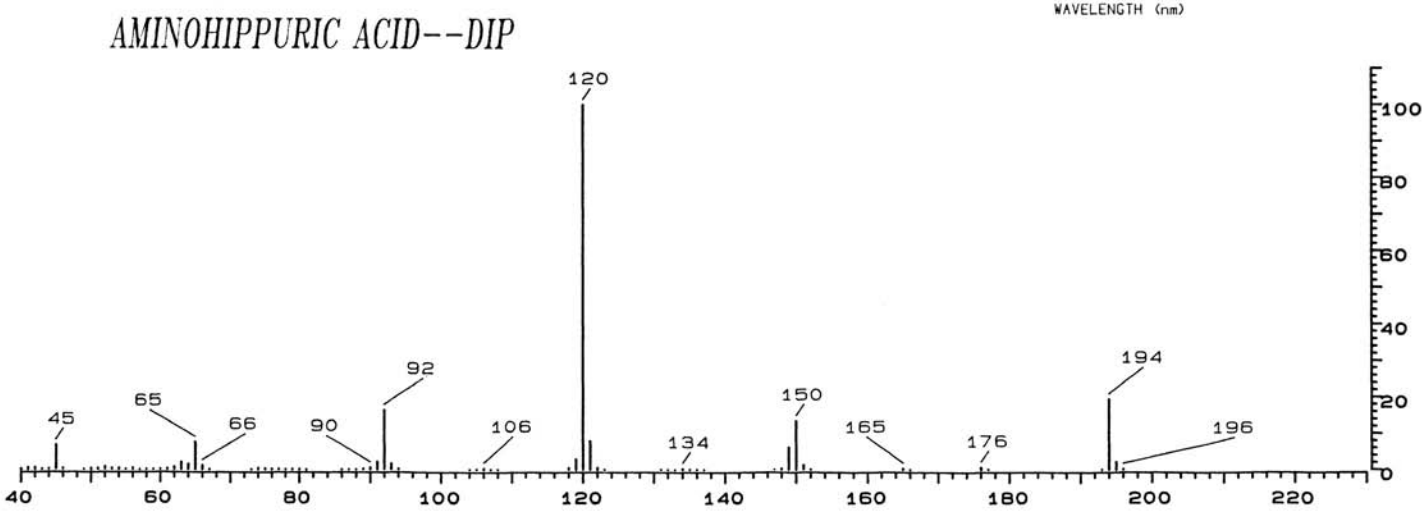
$C_9H_{10}N_2O_3$

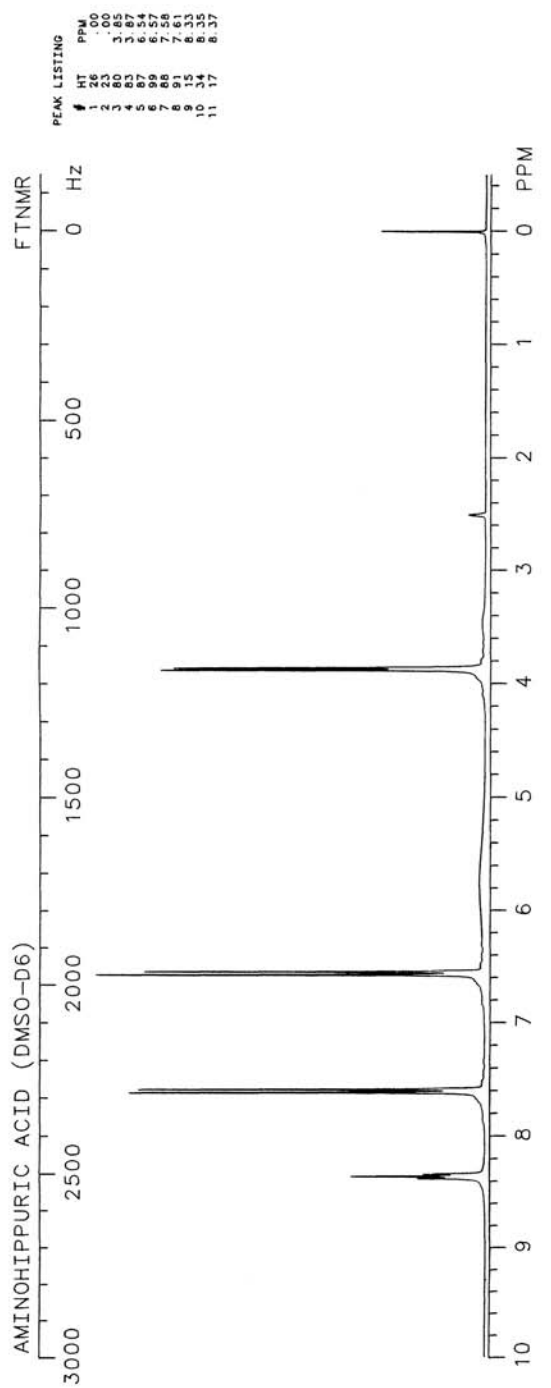
Molecular weight: 194.19 (194.07)
Synonyms: N-(4-Aminobenzoyl)glycine; N-(p-aminobenzoyl)-aminoacetic acid
Trade names: Nephrotest

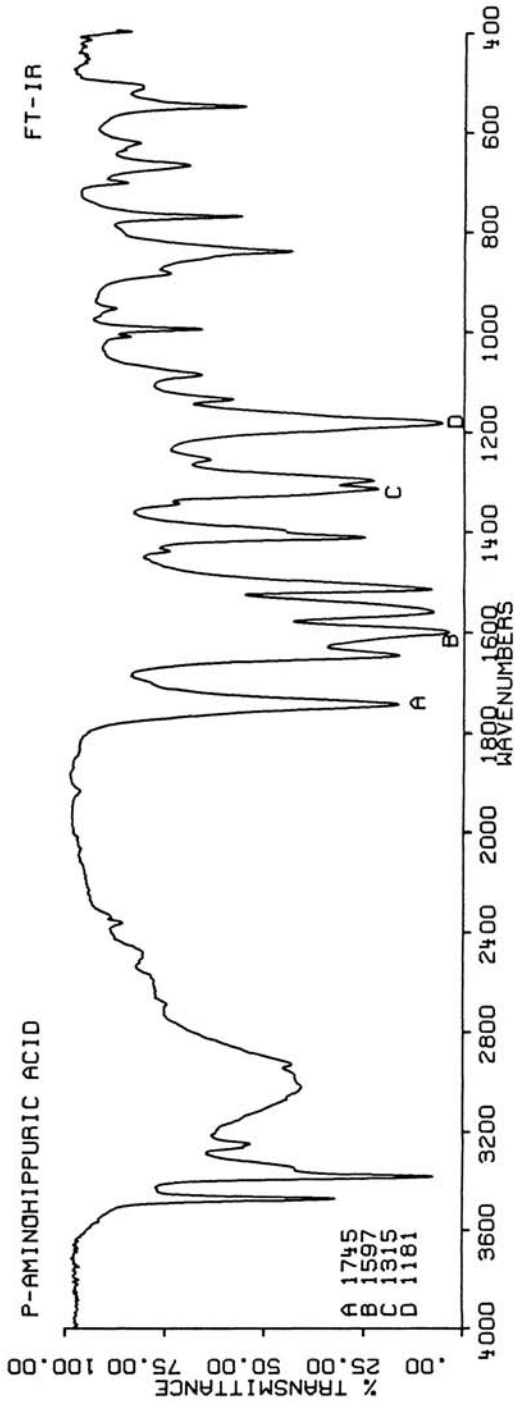
Use: Diagnostic aid
HPLC: Si-10; 20A:80B; 9.0
GC:








AMINOHIPPURIC ACID (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 26 .00
2 23 .00
3 80 3.85
4 83 3.87
5 87 6.54
6 99 6.57
7 88 7.58
8 91 7.61
9 15 8.33
10 34 8.35
11 17 8.37
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


P-AMINOHIPPURIC ACID
FT-IR
A 1745
B 1597
C 1315
D 1181
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

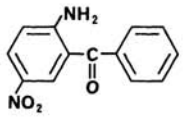
2- AMINO-5-NITROBENZOPHENONE

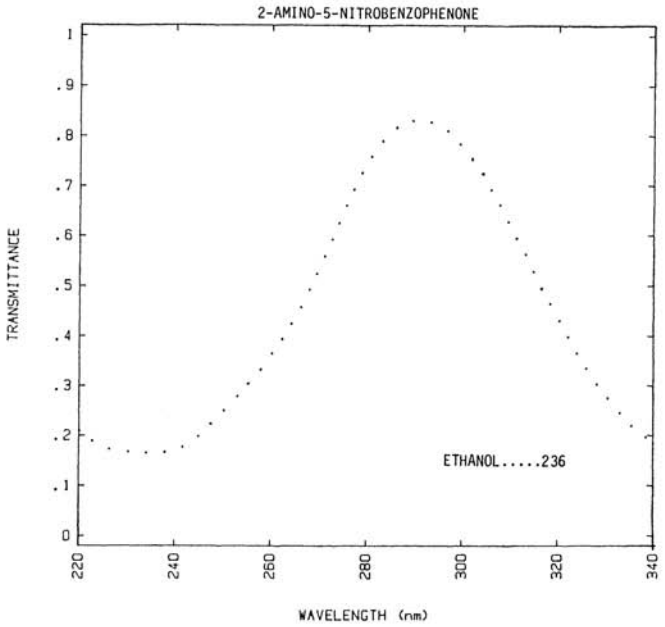
$C_{13}H_{10}N_2O_3$

Molecular weight: 242.23 (242.07)
Synonyms: 2-Amino-5-nitrodiphenylmethanone

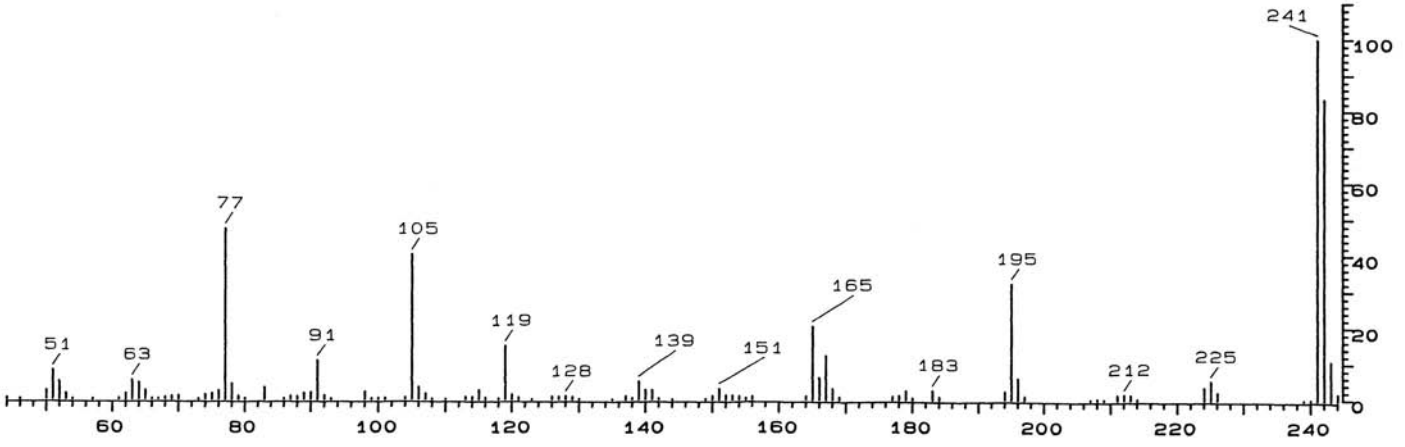
Trade names:

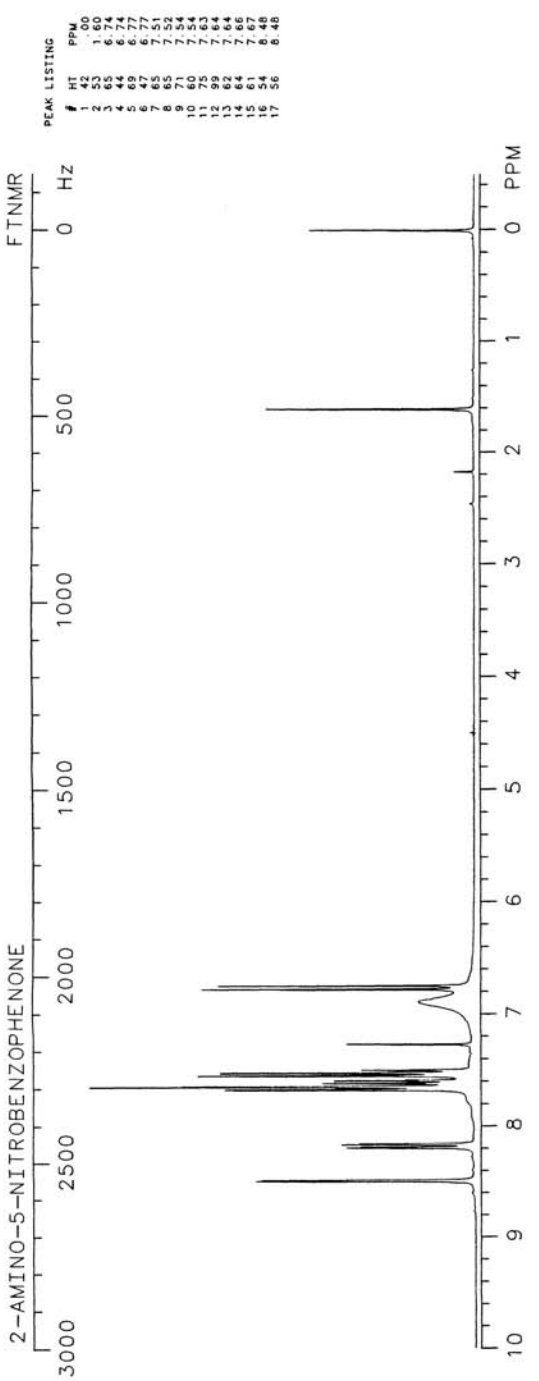
Use:
HPLC:
GC: 2435; 250°C

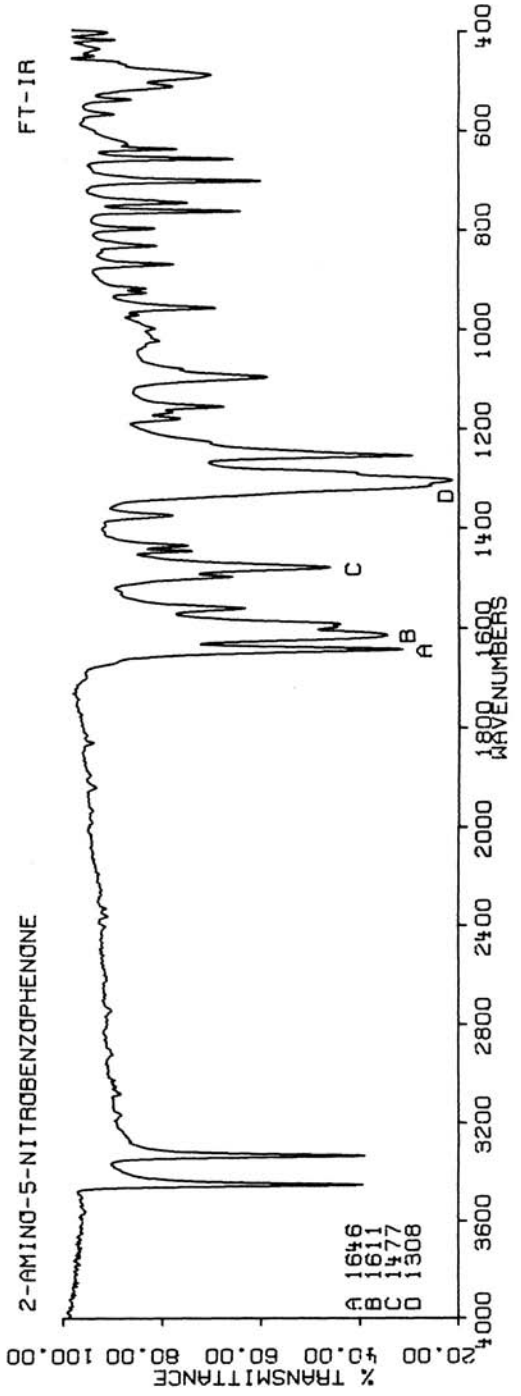




2-AMINO-5-NITROBENZOPHENONE




2-AMINO-5-NITROBENZOPHENONE
FTNMR
PEAK LISTING
HT PPM
1 42 1.60
2 53 6.74
3 65 6.74
4 44 6.74
5 69 6.77
6 47 7.51
7 65 7.52
8 65 7.54
9 71 7.54
10 60 7.63
11 75 7.64
12 82 7.64
13 62 7.64
14 64 7.66
15 61 7.67
16 54 8.48
17 56 8.48
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

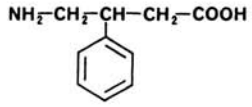

2-AMINO-5-NITROBENZOPHENONE
FT-IR
A 1646
B 1611
C 1477
D 1308
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

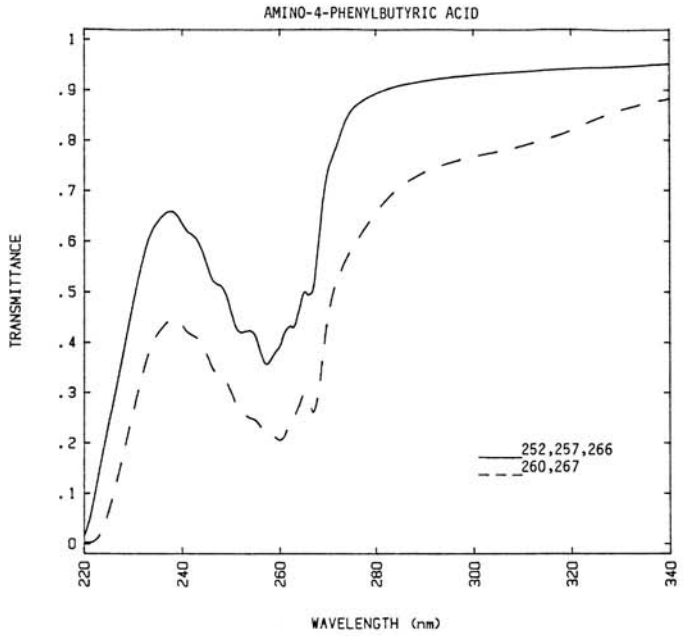
AMINO-4-PHENYLBUTYRIC ACID

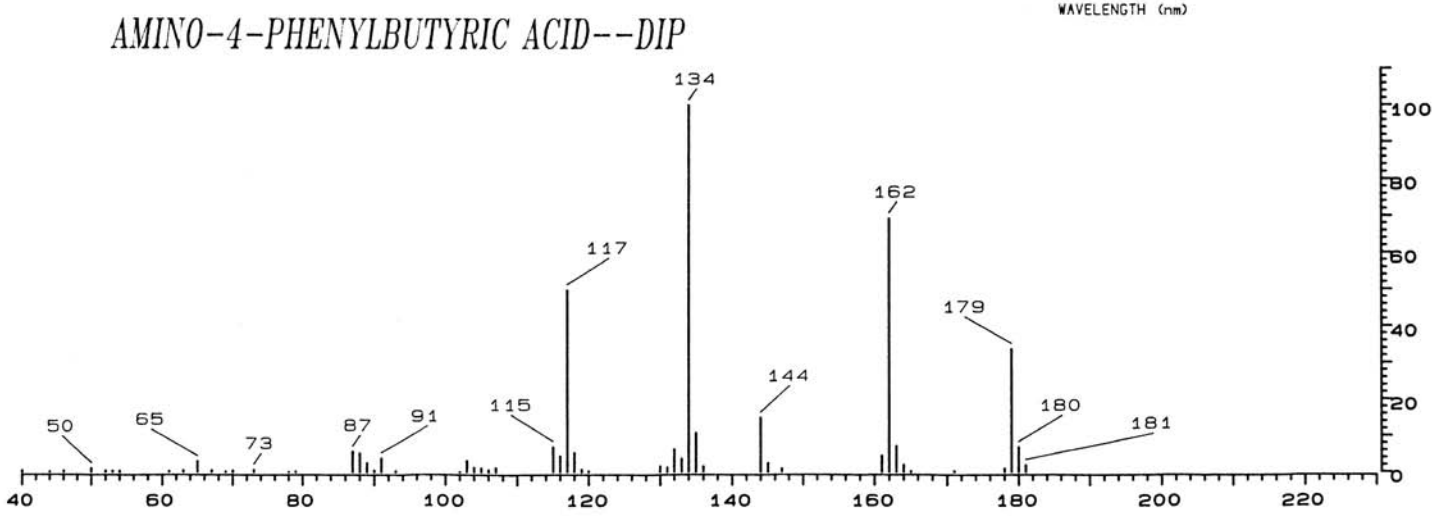
$C_{10}H_{13}NO_2$

Molecular weight: 179.21 (179.10)
Synonyms: β-(Aminomethyl)benzenepropanoic acid; 4-amino-3-phenylbutanoic acid
Trade names: Fenigama, Fenigam, Phenigama, Phenigam

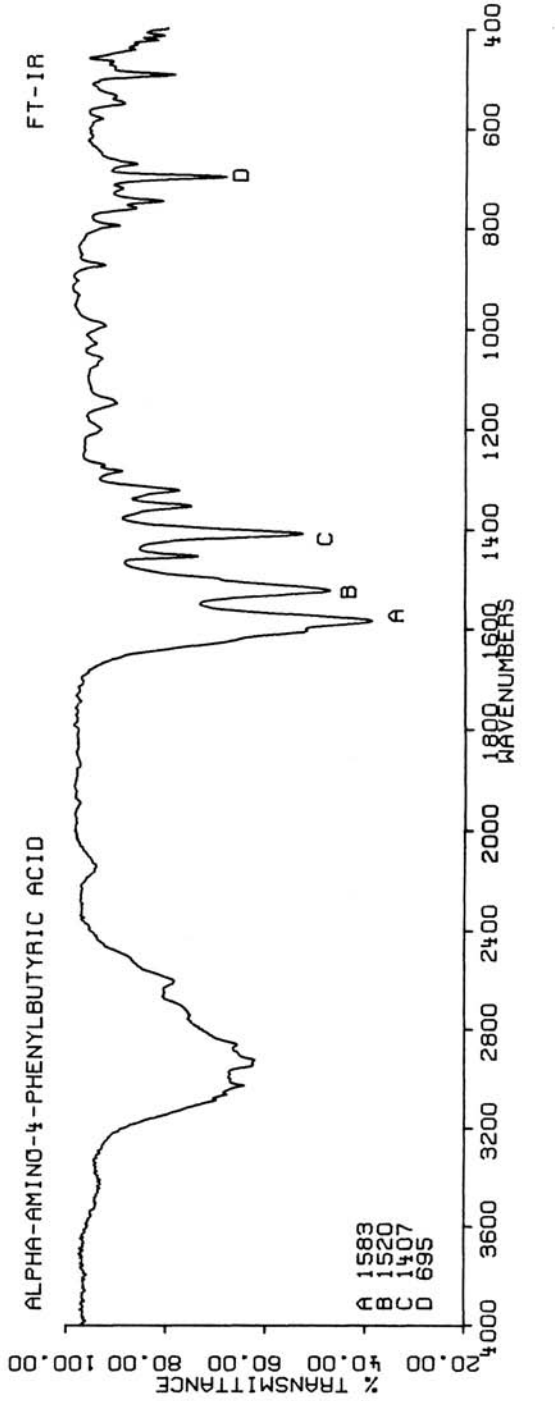
Use: Tranquilizer
HPLC:
GC:







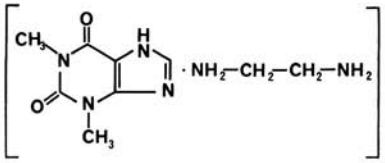
INSUFFICIENT SOLUBILITY

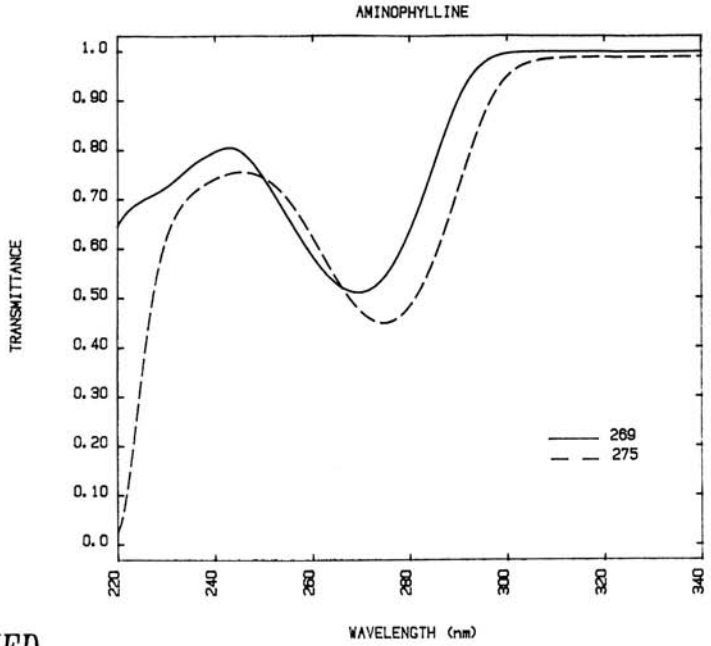


AMINOPHYLLINE

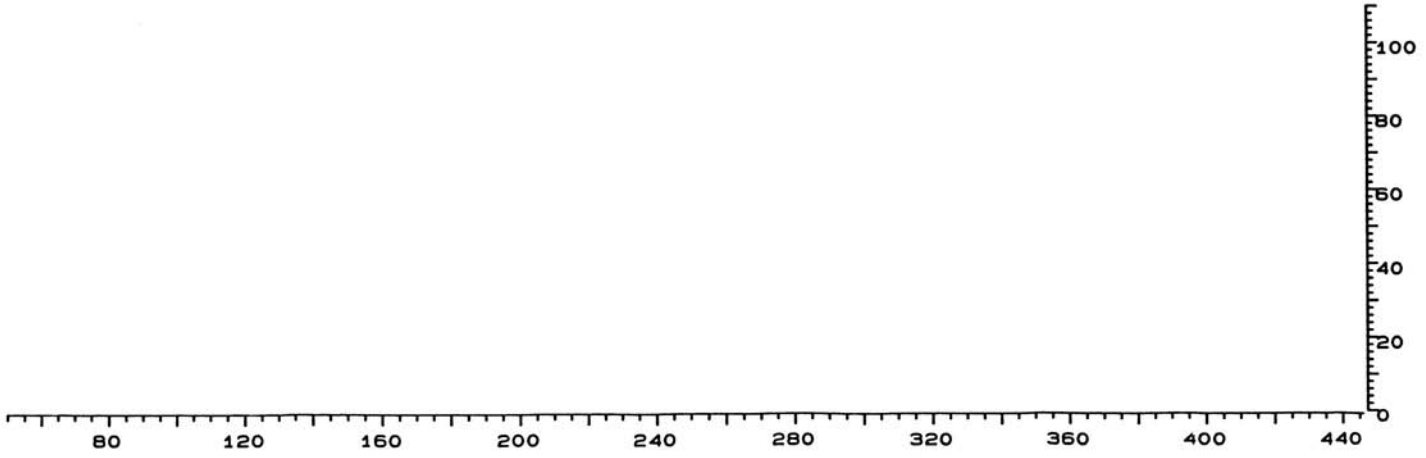
$C_{16}H_{24}N_{10}O_4$

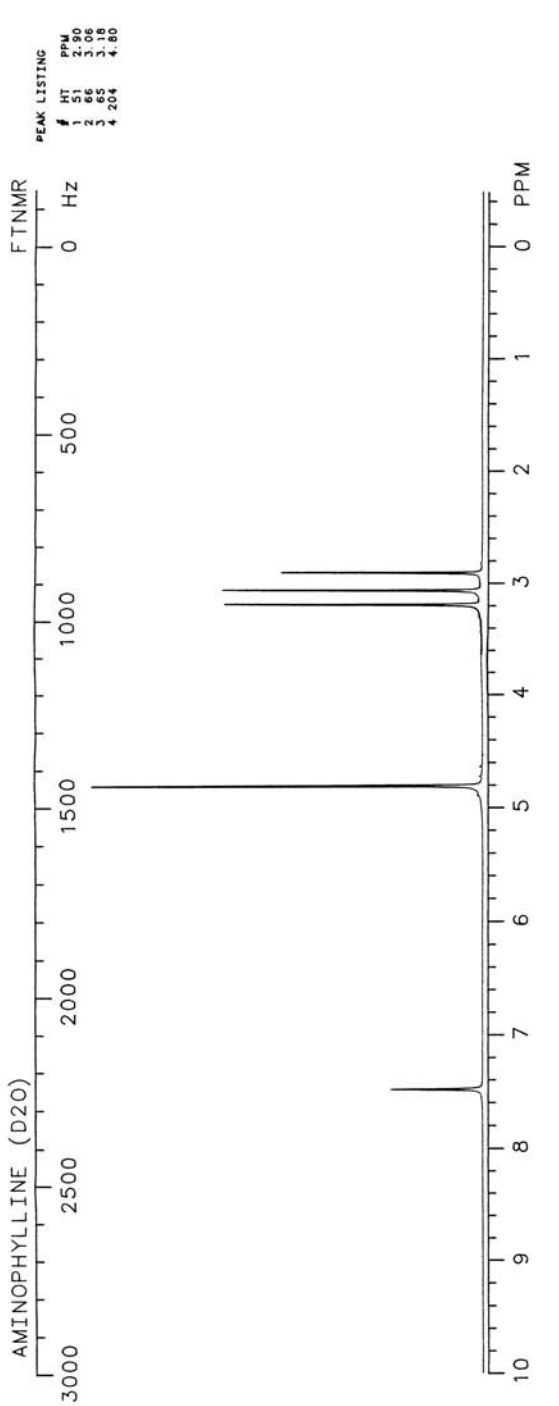
Molecular weight: 420.43 (420.20)
Synonyms: 3,7-Dihydro-1,3-dimethyl-1H-purine-2,6-dione compound with 1,2-ethanediamine (2:1); theophylline ethylenediamine
Trade names: Aminodur Dura-Tabs, Aminophyllin, Aminophylline, Mudrane GG, Phyllocontin, Somophyllin
Use: Smooth muscle relaxant
HPLC:
GC:

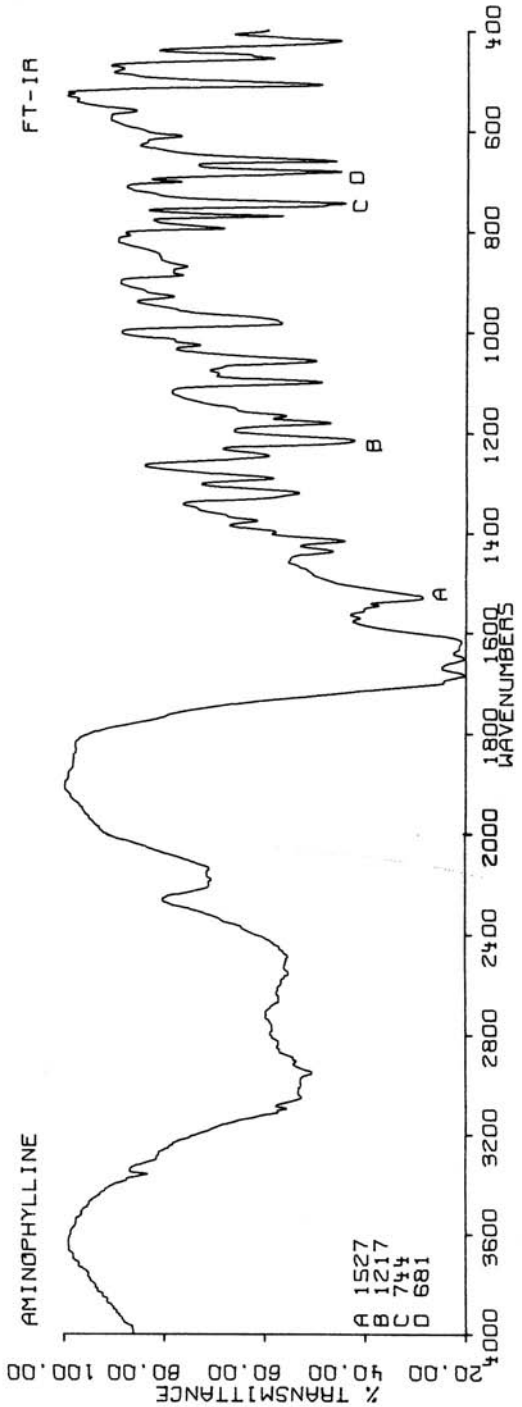




NO USEFUL MASS SPECTRUM WAS OBTAINED




AMINOPHYLLINE (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 51 2.60
2 66 3.06
3 65 3.18
4 204 4.80
10
9
8
7
6
5
4
3
2
1
0 PPM

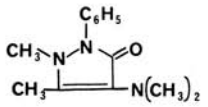

FT-IR
AMINOPHYLLINE
A 1527
B 1217
C 744
D 681
A
B
C D
% TRANSMITTANCE
20.00
40.00
60.00
80.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

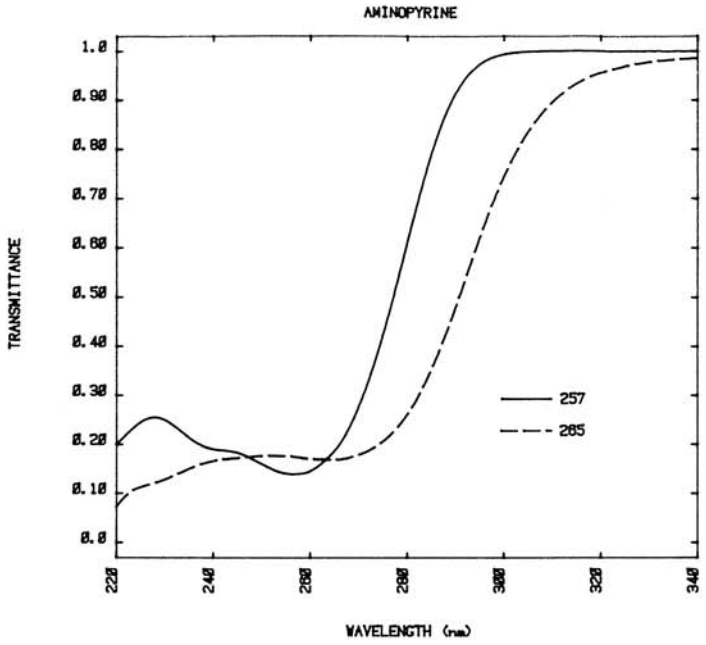
AMINOPYRINE

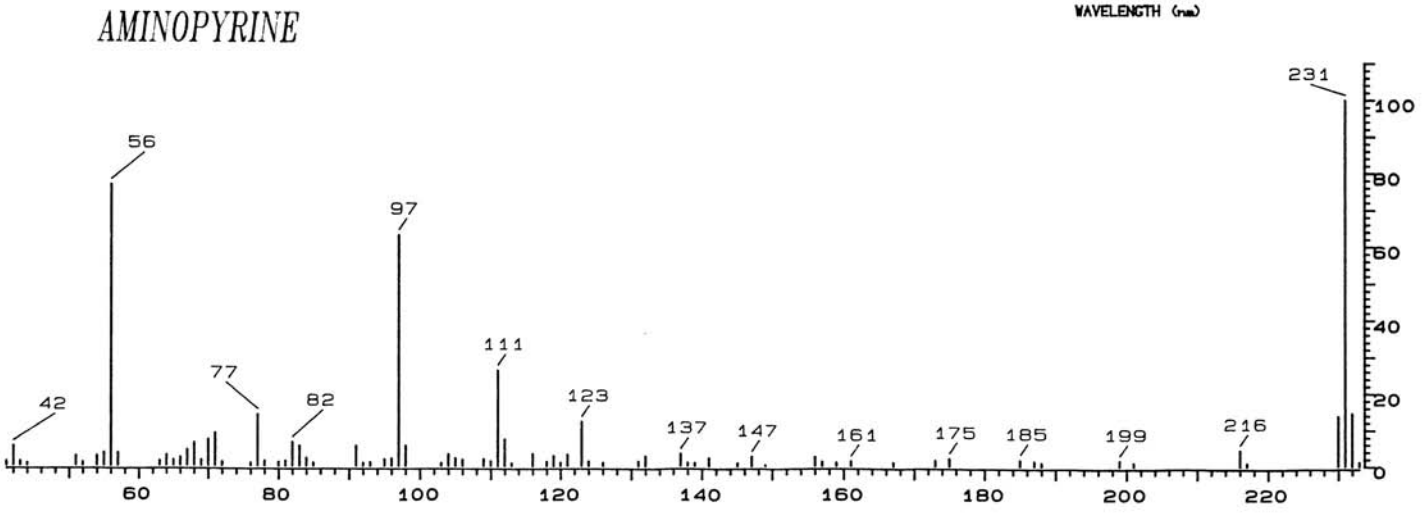
$C_{13}H_{17}N_3O$

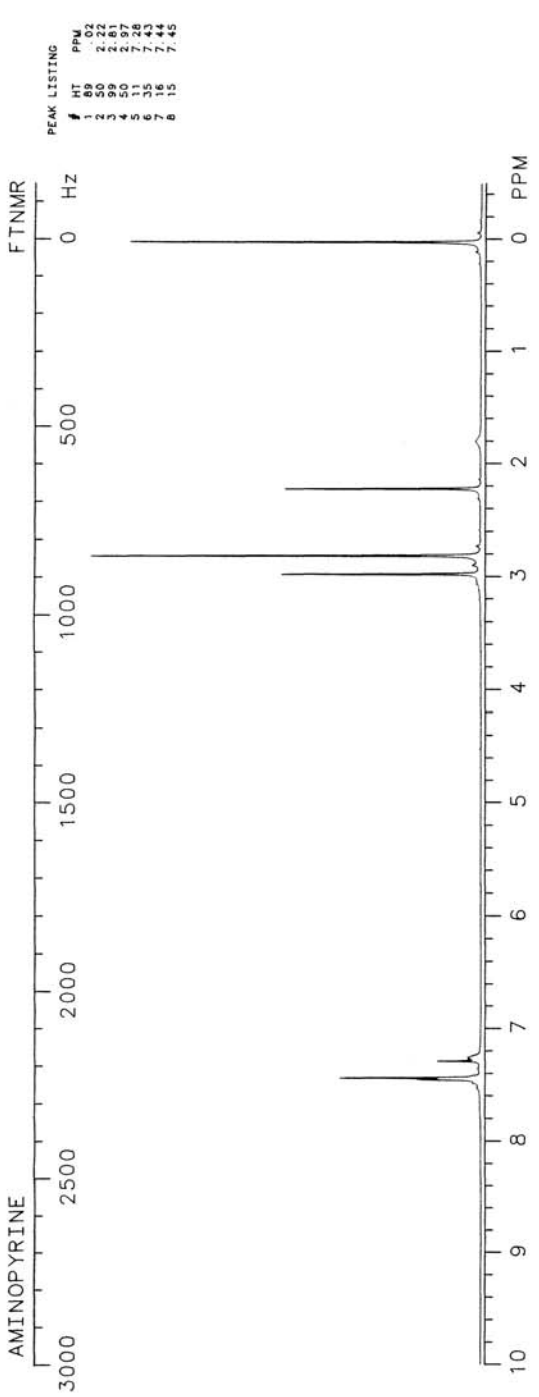
Molecular weight: 231.30 (231.14)
Synonyms: 4-(Dimethylamino)-1,2-dihydro-1,5-dimethyl-2-phenyl-3H-pyrazol-3-one; 4-dimethylaminoantipyrine; dipyrene; amidopyrine
Trade names: Dipirin

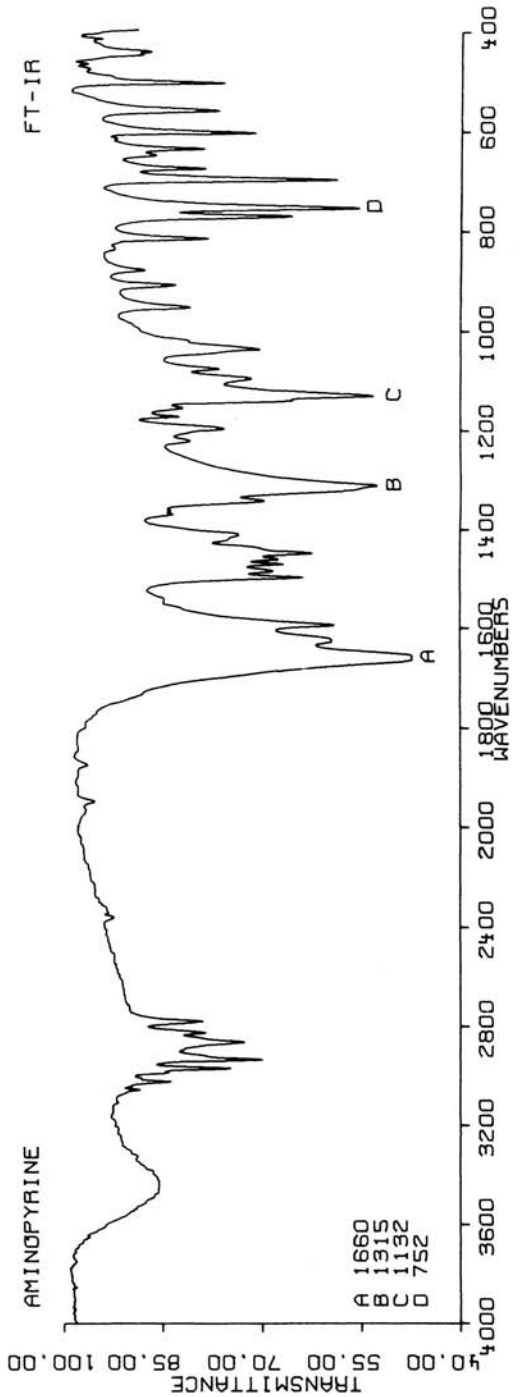
Use: Analgesic, antipyretic
HPLC: Sjki-10; 2A:98B; 10.5
GC: 1934; 200°C








FTNMR
AMINOPYRINE
PEAK LISTING
HT PPM
1 89 1.02
2 50 2.22
3 99 2.81
4 50 2.97
5 11 7.28
6 35 7.43
7 16 7.44
8 15 7.45
0 Hz
500
1000
1500
2000
2500
3000
0 PPM
1
2
3
4
5
6
7
8
9
10


FT-IR
AMINOPYRINE
A 1660
B 1315
C 1132
D 752
A
B
C
D
TRANSMITTANCE
0.00
55.00
70.00
85.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

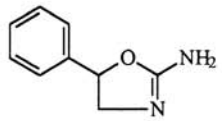
AMINOREX

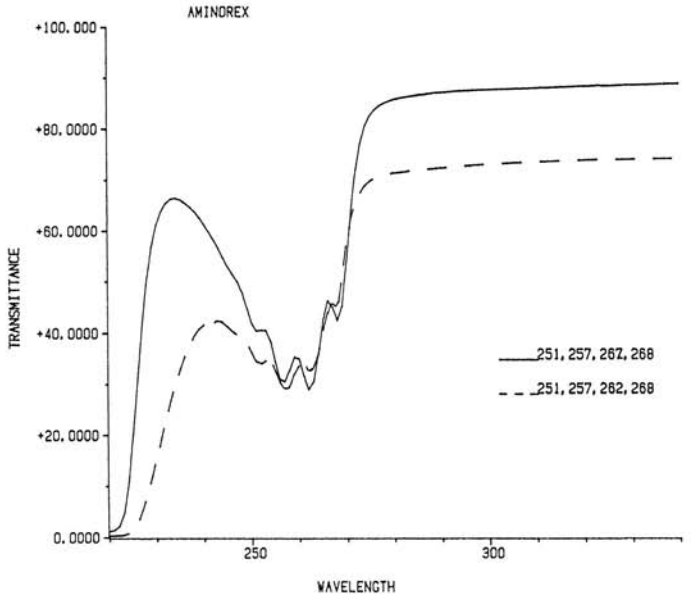
$C_9H_{10}N_2O$

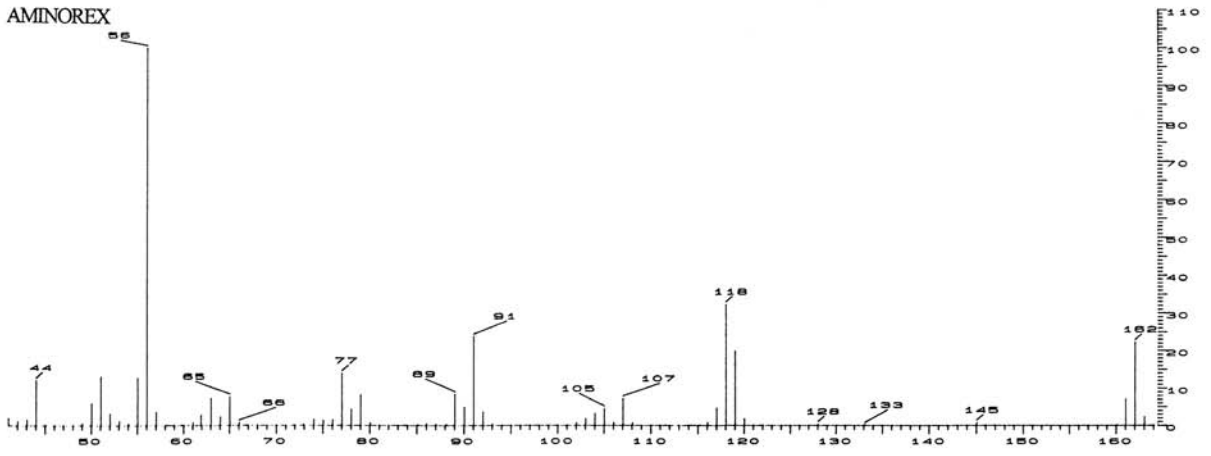
Molecular Weight: 162.19 (162.08)

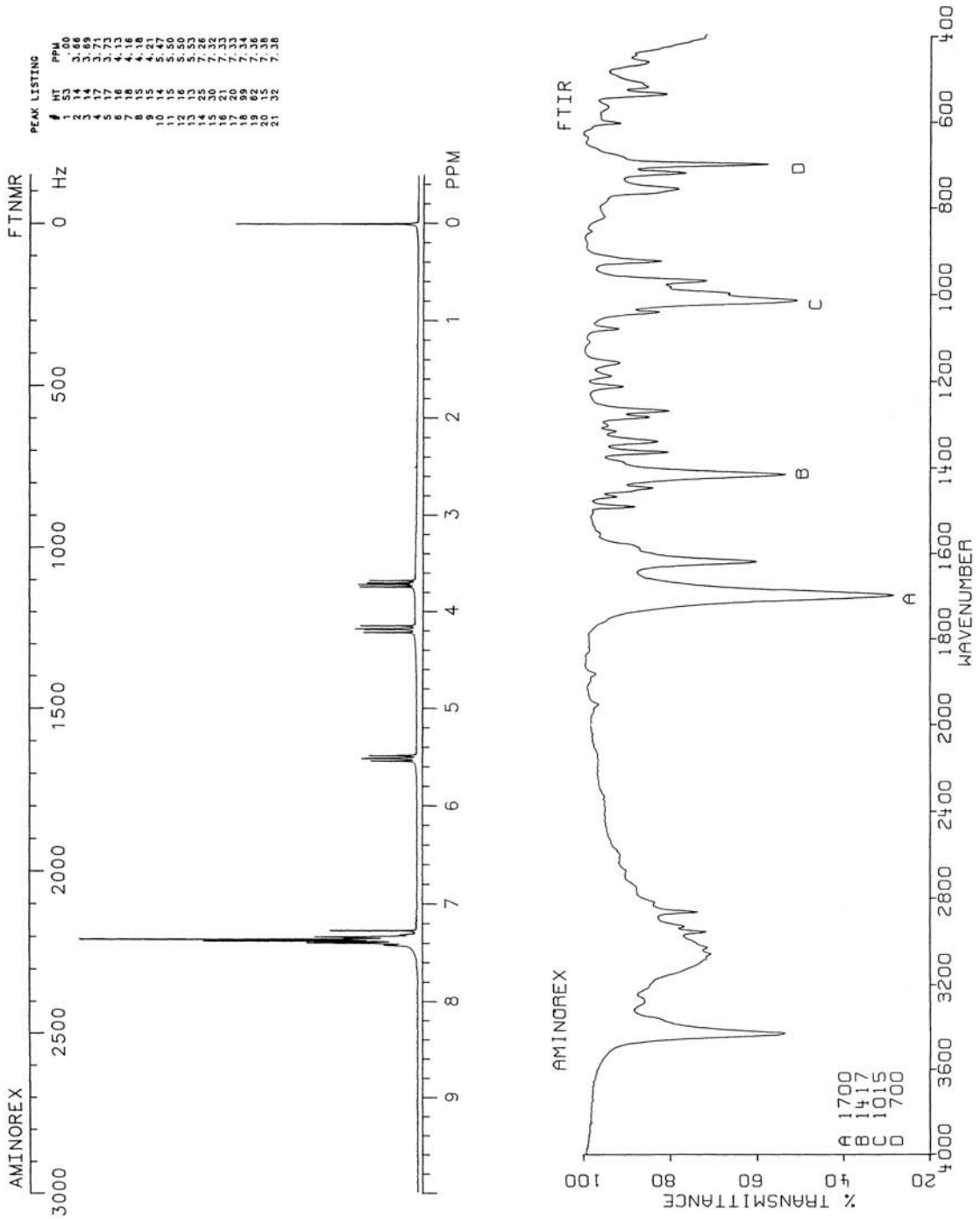
Synonyms: 4,5-Dihydro-5-phenyl-2-oxazolamine; 2-amino-5-phenyl-2-oxazoline; aminoxafen; aminoxaphen
Trade Names: Menocil, Apiquel
Use: Anorexic

HPLC:
GC: 1512; 140°








FTNMR
AMINOREX
PEAK LISTING
HT PPM
1 53 .00
2 14 3.66
3 14 3.69
4 17 3.71
5 16 3.73
6 16 4.13
7 16 4.16
8 15 4.18
9 15 4.21
10 14 5.47
11 15 5.50
12 16 5.53
13 25 7.26
14 30 7.32
15 21 7.33
16 20 7.34
17 99 7.36
18 62 7.36
19 15 7.38
20 32
21
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
FTIR
AMINOREX
A 1700
B 1417
C 1015
D 700
A
B
C
D
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

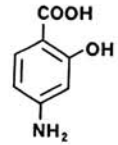
P- AMINOSALICYLIC ACID

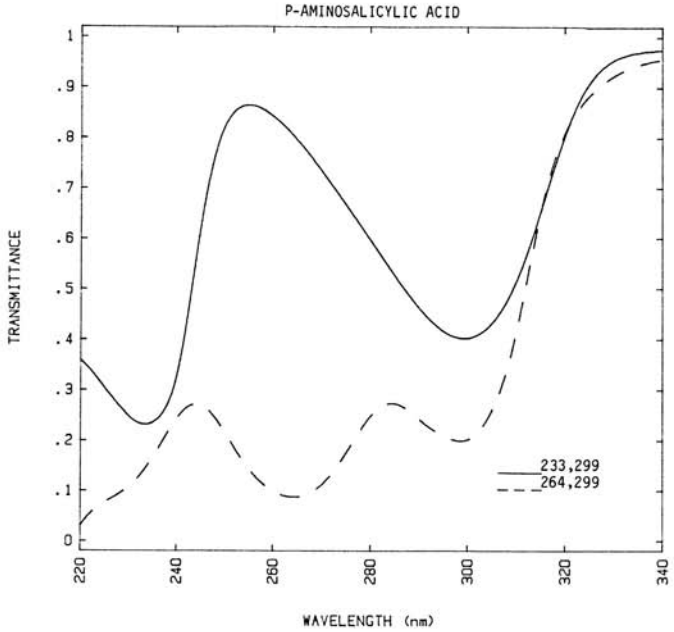
$C_7H_7NO_3$

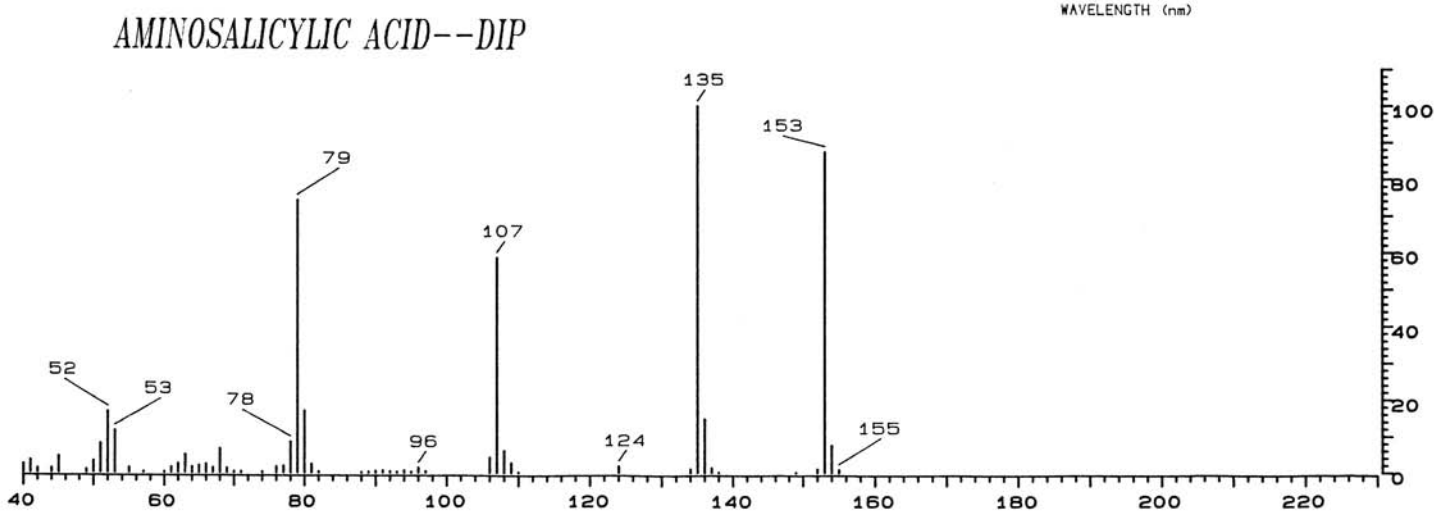
Molecular weight: 153.13 (153.04)
Synonyms: 4-Amino-2-hydroxybenzoic acid; 4-aminosalicyclic acid

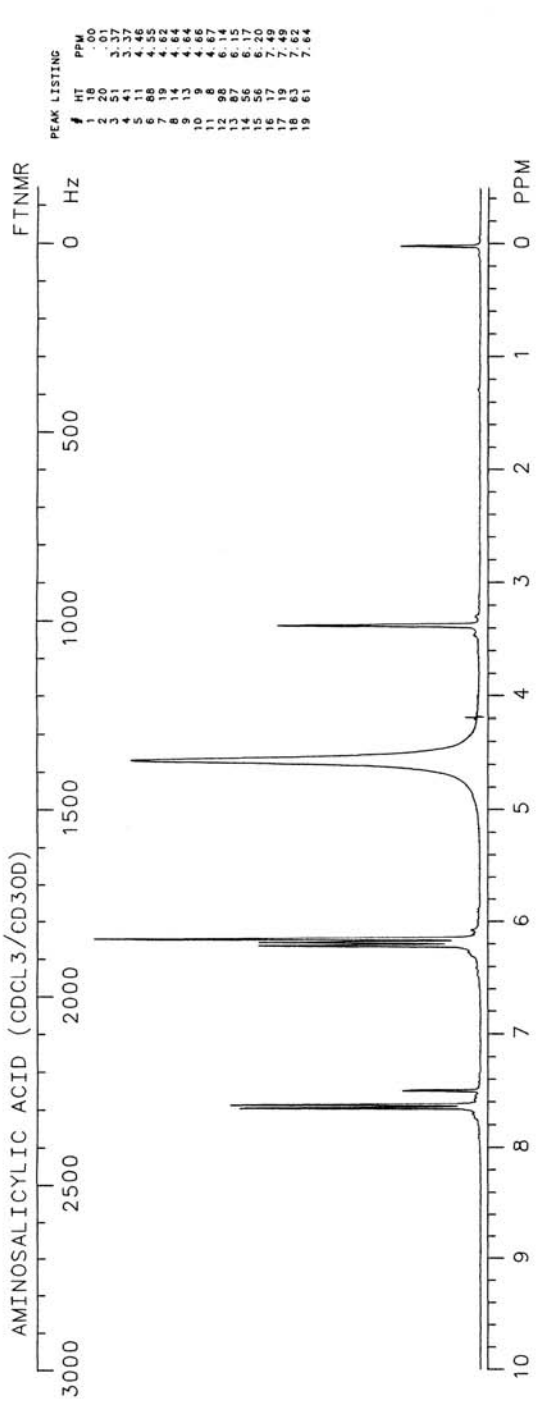
Trade names: Aminox, Aminopar, Bactylan, Entepas, Lepasen, Nippas, Osacyl

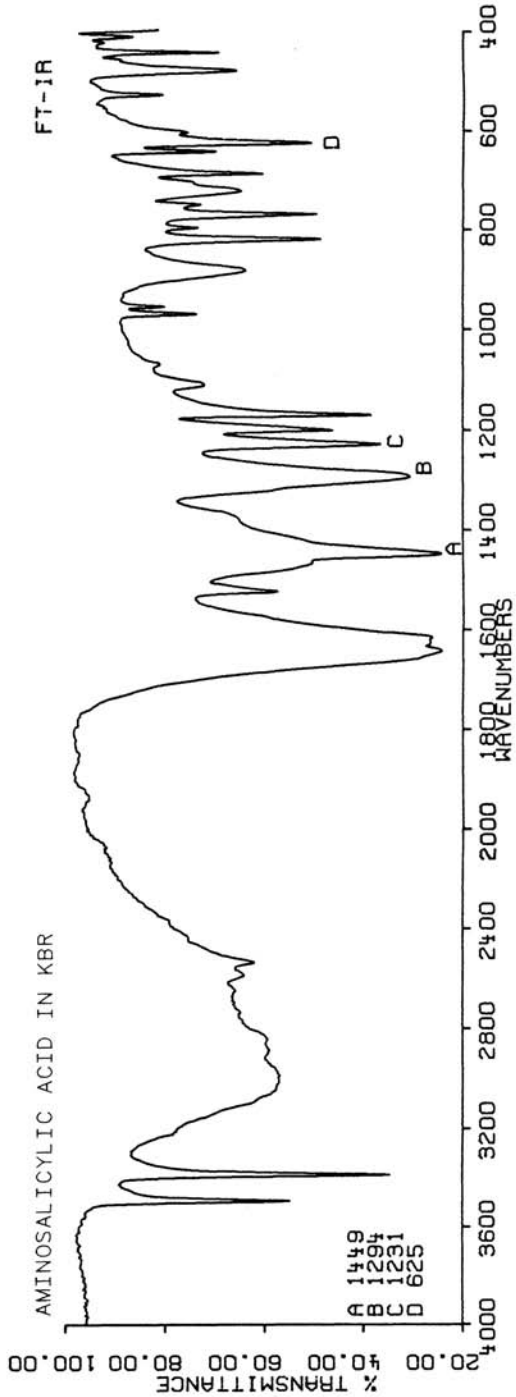
Use: Antitubercular
HPLC: Si-10; 20A:80B; 5.5
GC: 1274; 140°C








AMINOSALICYLIC ACID (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 18 .00
2 20 .01
3 51 3.37
4 41 3.37
5 11 4.46
6 88 4.55
7 19 4.62
8 14 4.64
9 13 4.64
10 9 4.66
11 8 4.67
12 98 6.14
13 87 6.15
14 56 6.17
15 56 6.20
16 17 7.49
17 19 7.49
18 63 7.62
19 61 7.64
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


AMINOSALICYLIC ACID IN KBR
FT-IR
A 1449
B 1294
C 1231
D 625
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

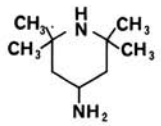
4-AMINO-2,2,6,6-TETRAMETHYLPIPERIDINE

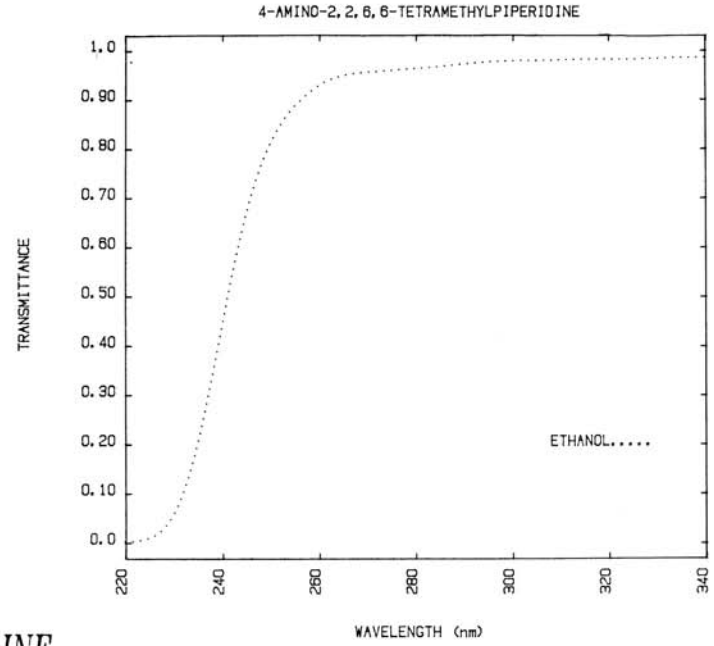
$C_9H_{20}N_2$

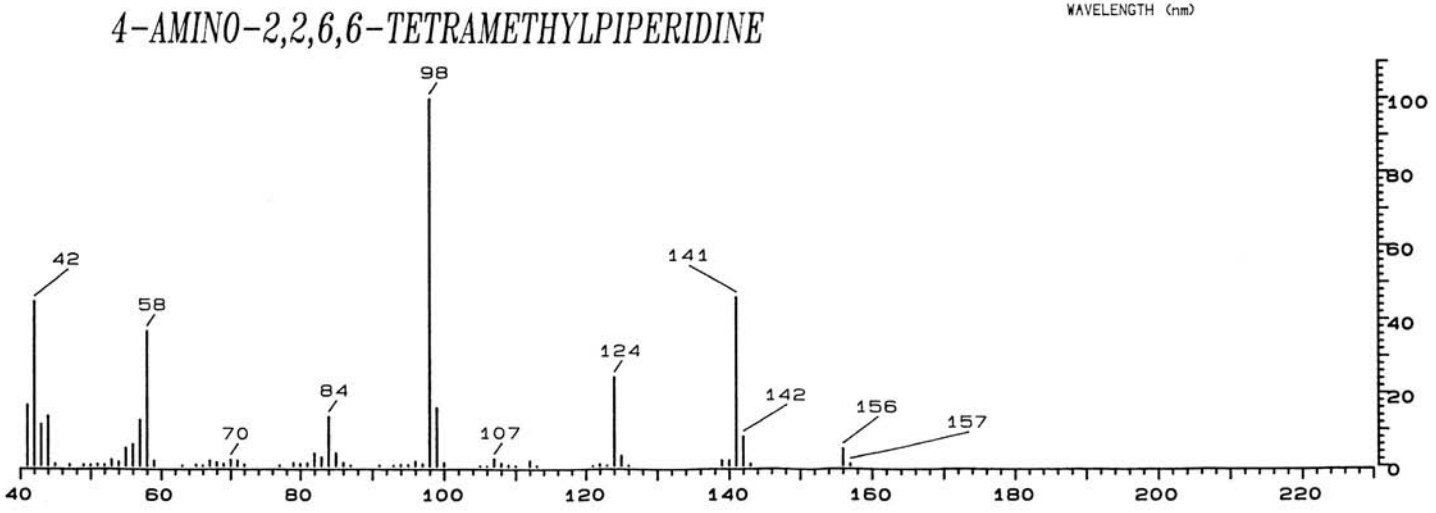
Molecular weight: 156.27 (156.16)
Synonyms: 4-Amino-2,2,6,6-tetramethylhexahydropyridine

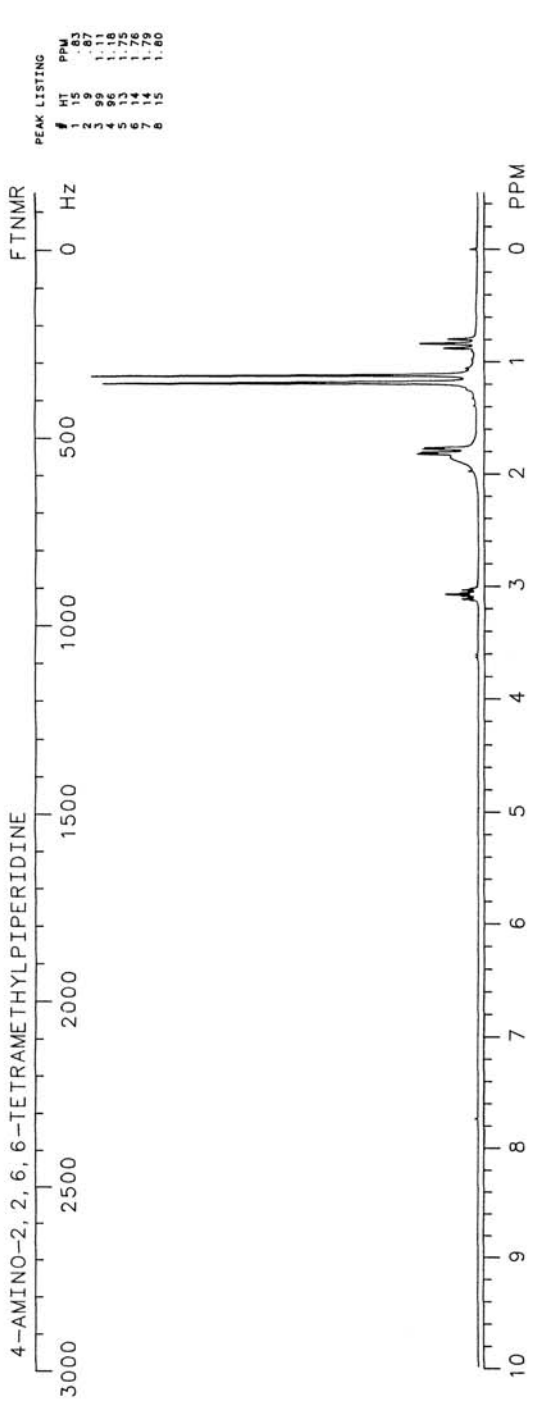
Trade names:

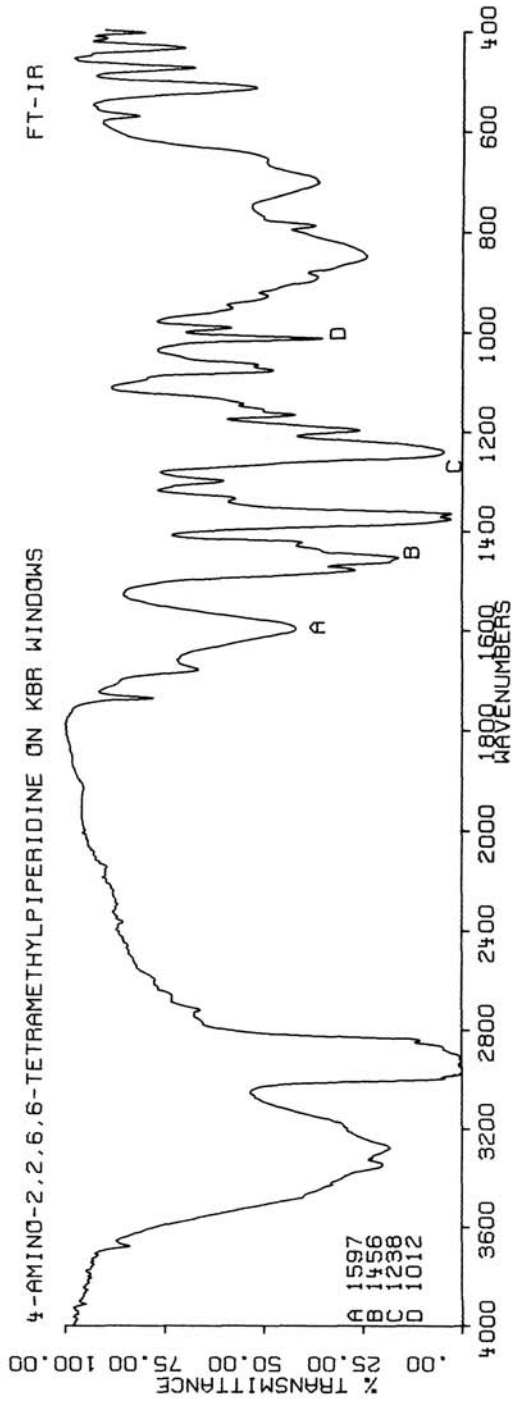
Use: Synthesis
HPLC:
GC: 1113; 140°C








4-AMINO-2, 2, 6, 6-TETRAMETHYLPIPERIDINE
FTNMR
PEAK LISTING
HT PPM
1 15 .83
2 9 .87
3 99 1.11
4 96 1.18
5 13 1.75
6 14 1.76
7 14 1.79
8 15 1.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


4-AMINO-2,2,6,6-TETRAMETHYLPIPERIDINE ON KBR WINDOWS
FT-IR
A 1597
B 1456
C 1238
D 1012
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

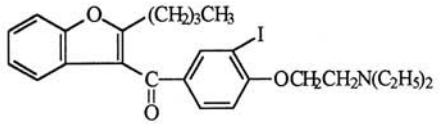
AMIODARONE

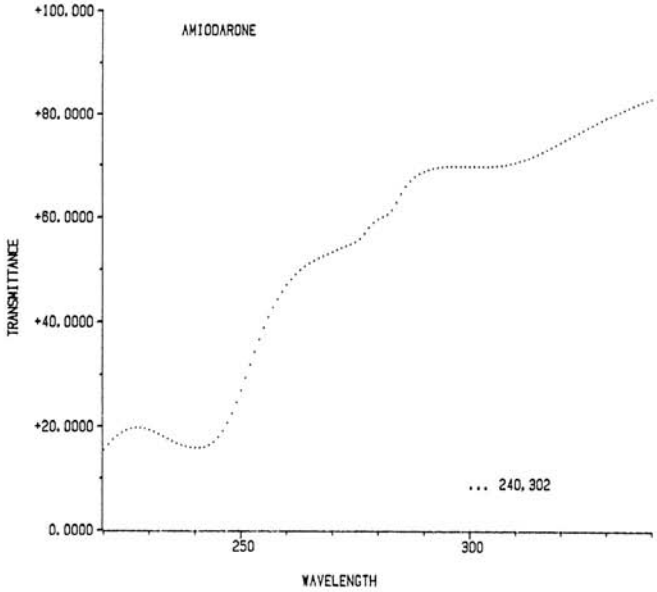
$C_{25}H_{29}I_2NO_3$

Molecular Weight: 645.32 (645.02)

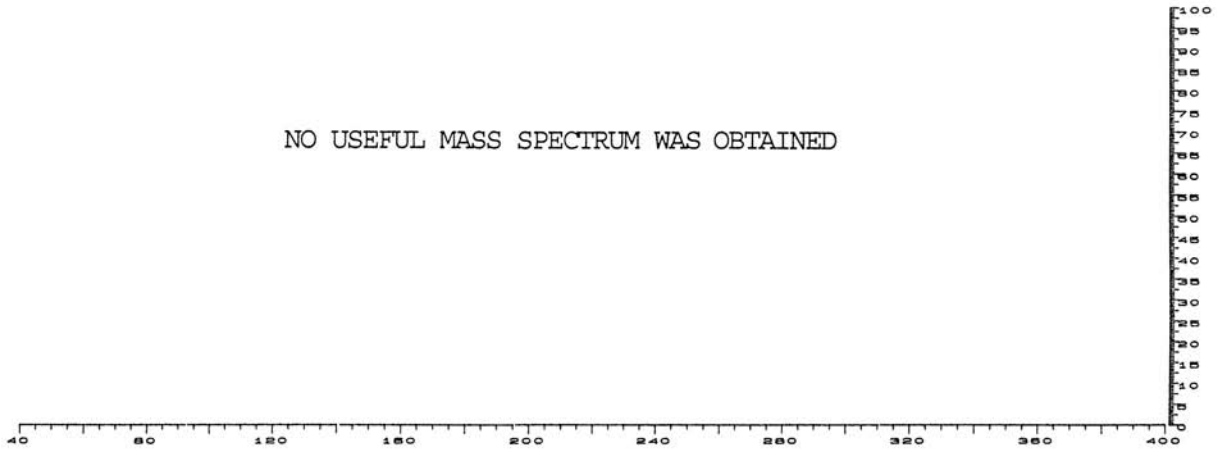
Synonyms: (2-Butyl-3-benzofuranyl)[4-[2-(2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone
Trade Names: Amiodar, Ancoron, Angiodarona, Atlansil, Cordarex, Cordarone,Cordarone X, Miocard, Miodaron, Ortacrone, Ritmocardyl, Rythmarone, Trangorex
Use: Anti-arrhythmic; anti-anginal

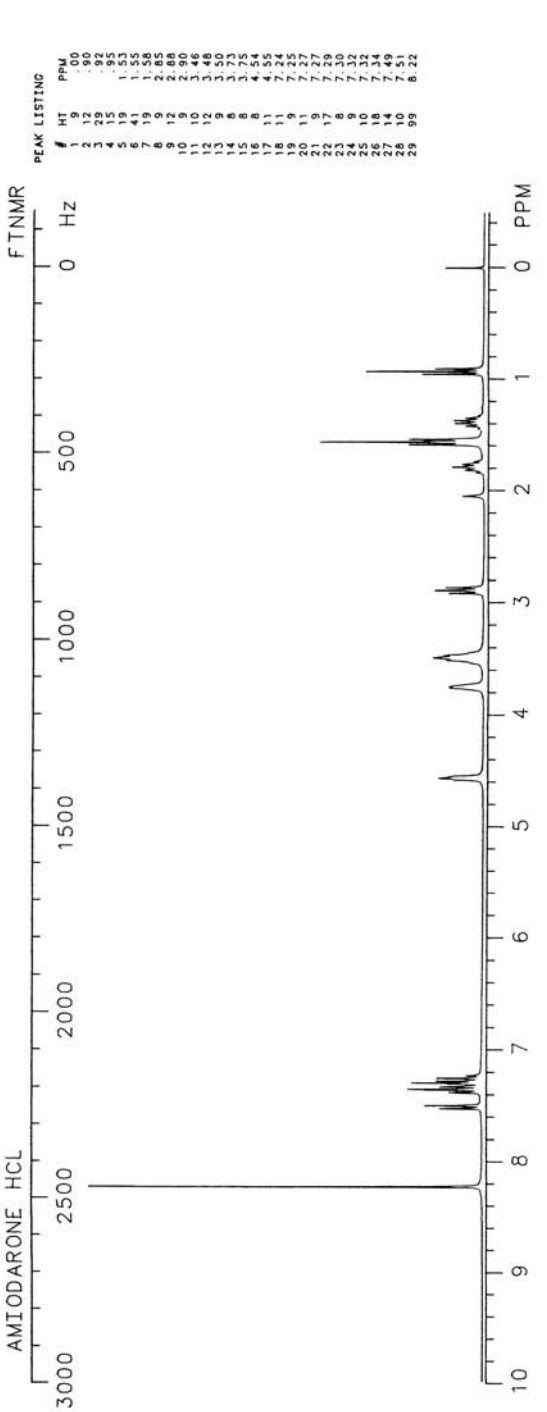
HPLC:
GC:

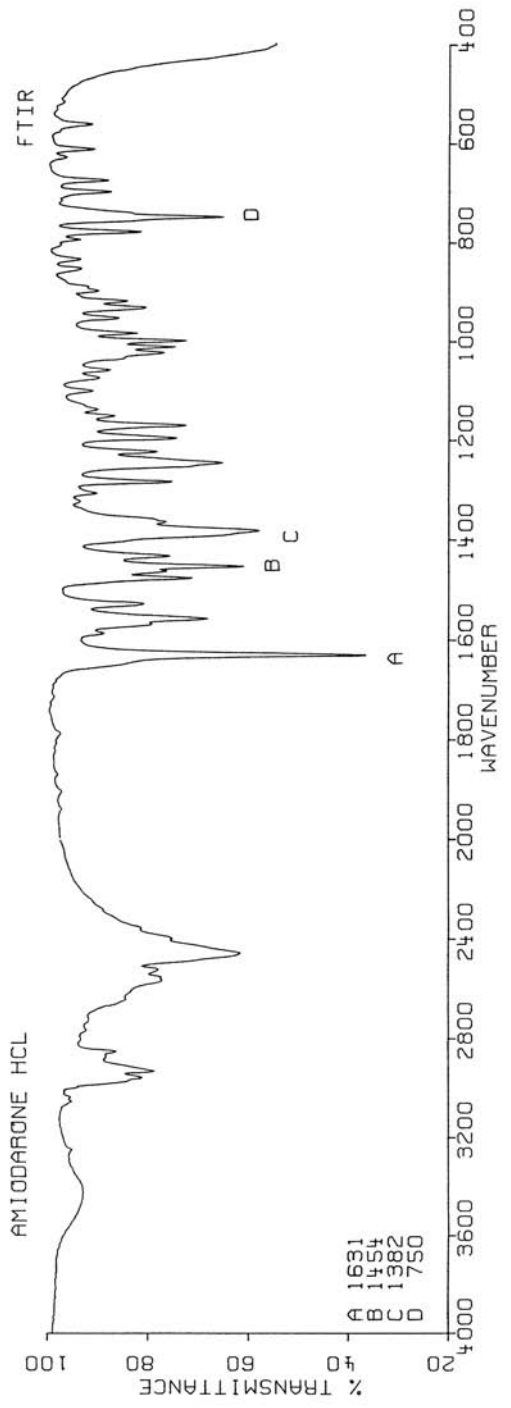




NO USEFUL MASS SPECTRUM WAS OBTAINED




AMIODARONE HCL
FTNMR
PEAK LISTING
HT PPM
1 9 .00
2 12 .90
3 29 .92
4 15 1.55
5 13 1.55
6 41 1.55
7 19 1.58
8 9 2.85
9 12 2.88
10 9 2.90
11 10 3.46
12 12 3.46
13 9 3.50
14 8 3.73
15 8 3.75
16 8 4.54
17 11 4.55
18 11 7.24
19 9 7.25
20 11 7.25
21 9 7.27
22 17 7.29
23 8 7.30
24 9 7.32
25 10 7.32
26 18 7.34
27 14 7.49
28 10 7.51
29 99 8.22
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


AMIODARONE HCL
FTIR
A 1631
B 1454
C 1382
D 750
A
B C
D
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

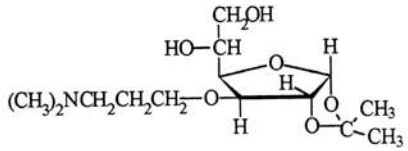
AMIPRILOSE

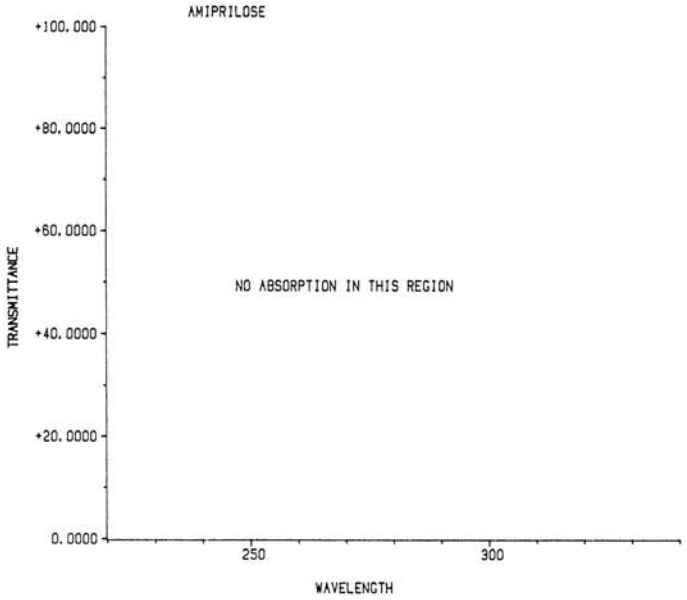
$C_{14}H_{27}NO_6$

Molecular Weight: 305.37 (305.18)

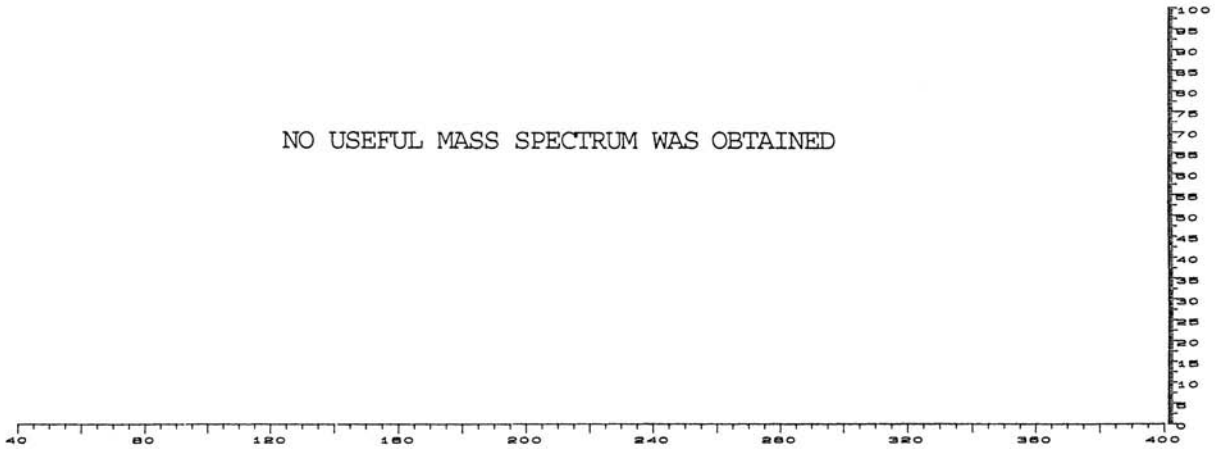
Synonyms: 3-O-[3-(dimethylamino)propyl]-1,2-O-(1-methylethylidene)-α-D-glucofuranose
Trade Names: Therafectin
Use: Immunomodulator

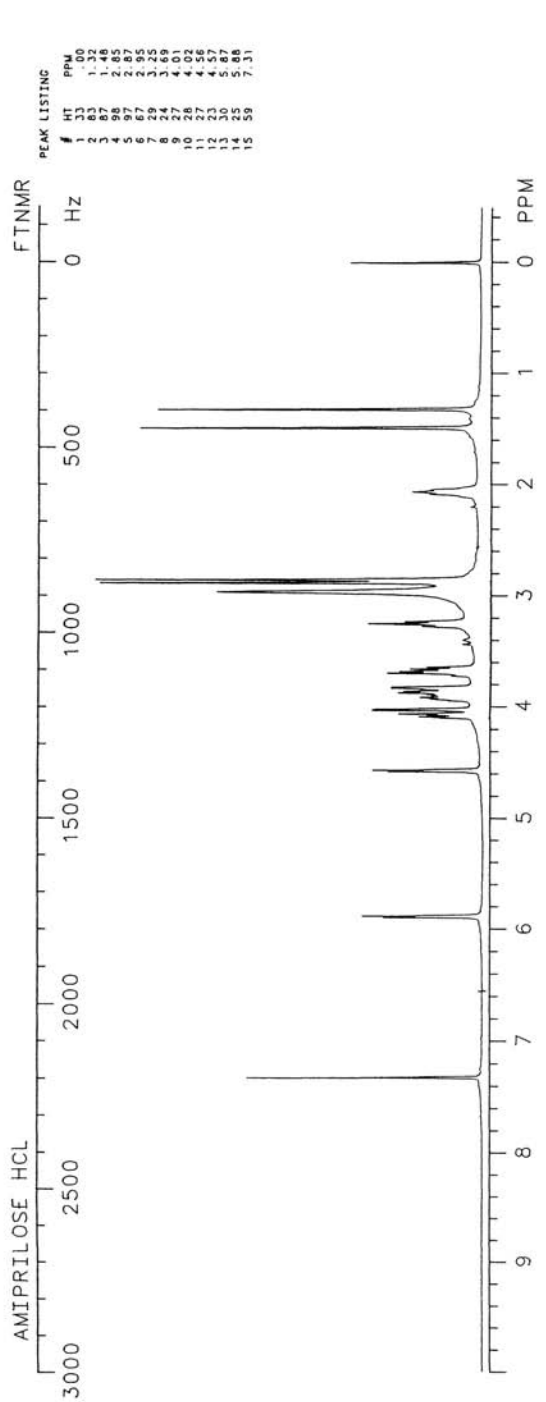
HPLC:
GC:

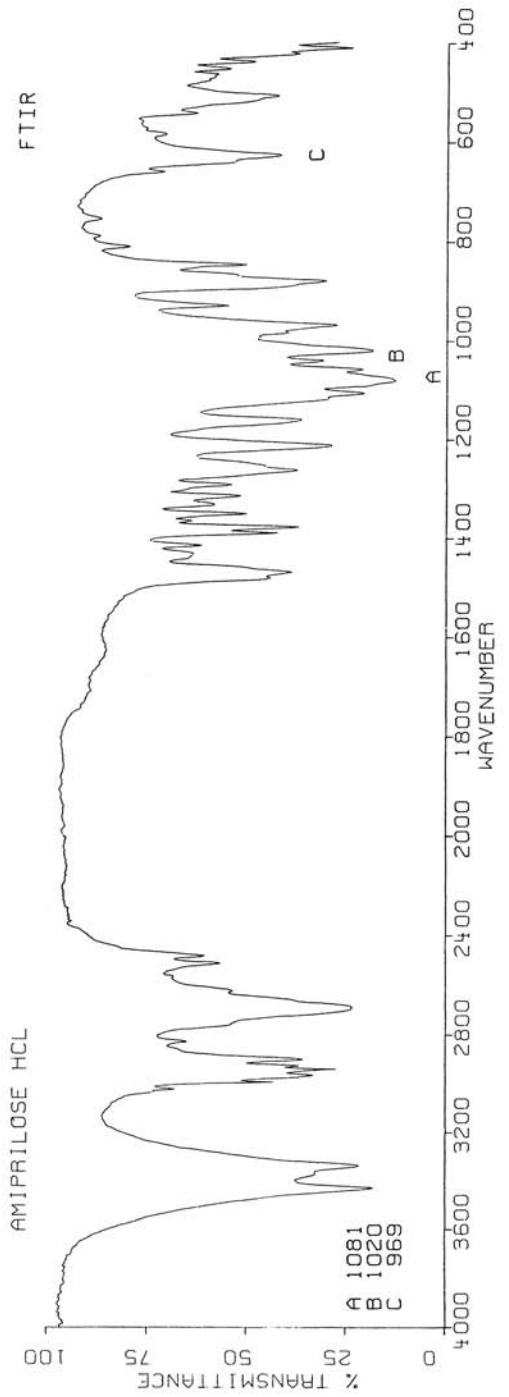




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
AMIPRILOSE HCL
PEAK LISTING
HT PPM
1 33 .00
2 83 1.32
3 87 1.48
4 96 2.45
5 97 2.87
6 67 2.95
7 29 3.25
8 24 3.69
9 27 4.01
10 28 4.22
11 27 4.55
12 23 4.57
13 30 5.87
14 25 5.88
15 59 7.31
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

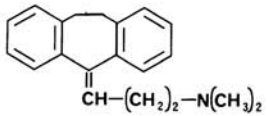

FTIR
AMIPRILOSE HCL
A 1081
B 1020
C 969
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

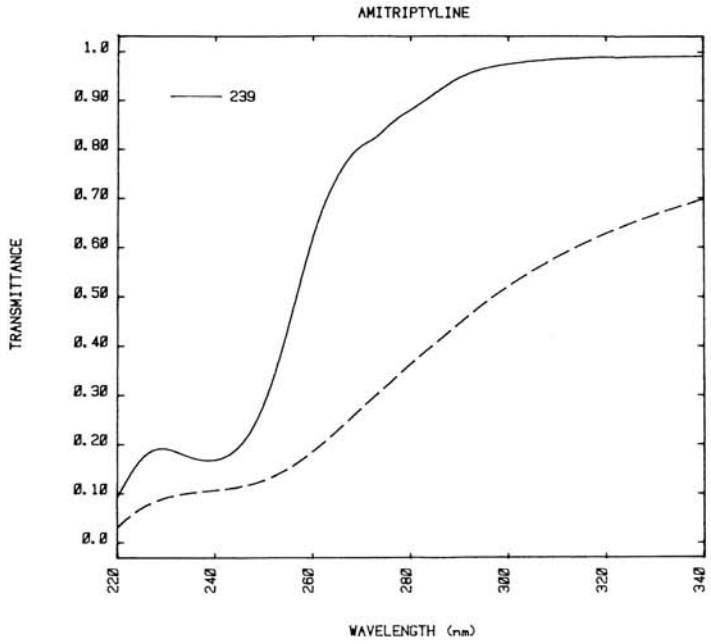
AMITRIPTYLINE

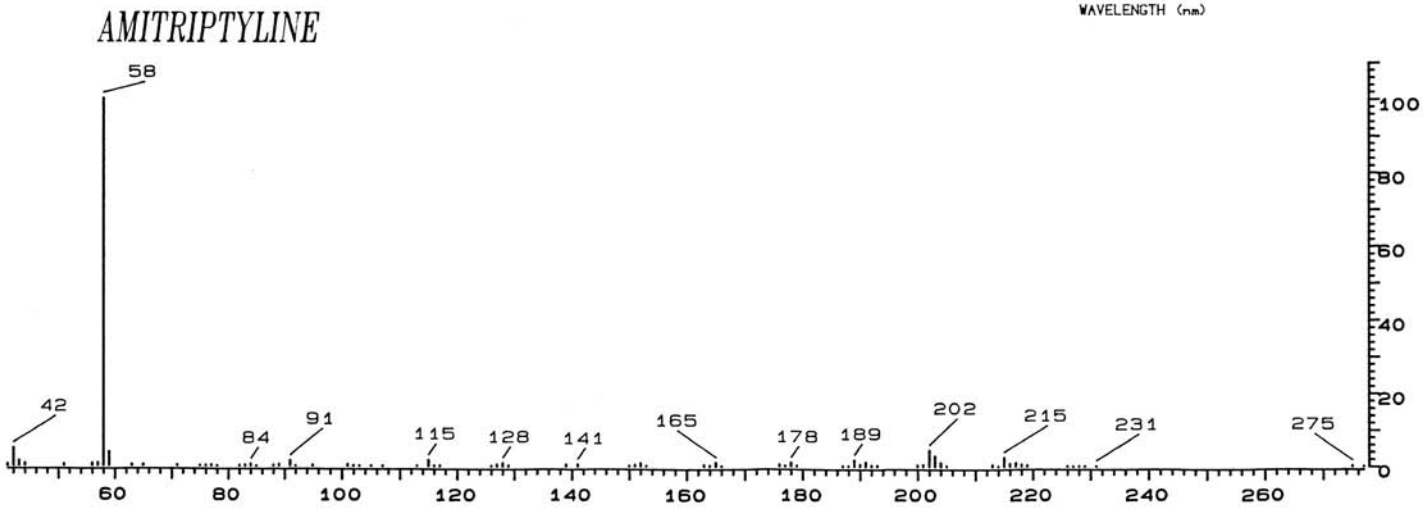
$C_{20}H_{23}N$

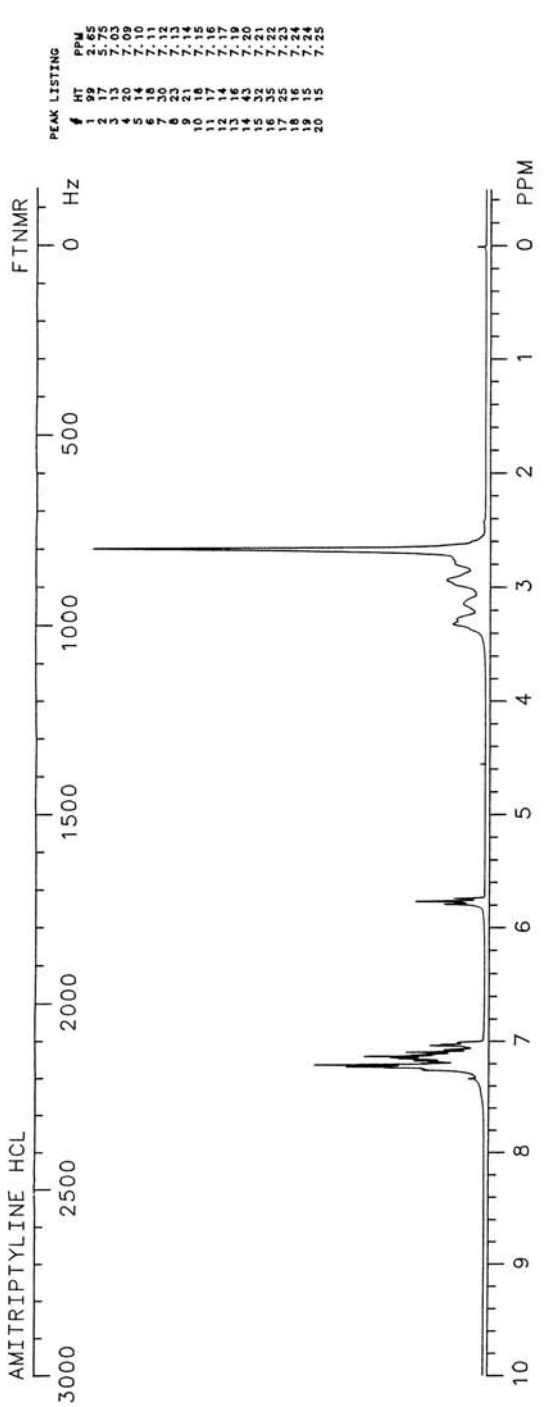
Molecular weight: 277.41 (277.18)
Synonyms: 3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine
Trade names: Elavil, Endep, Etrafon, Limbitrol, Triavil

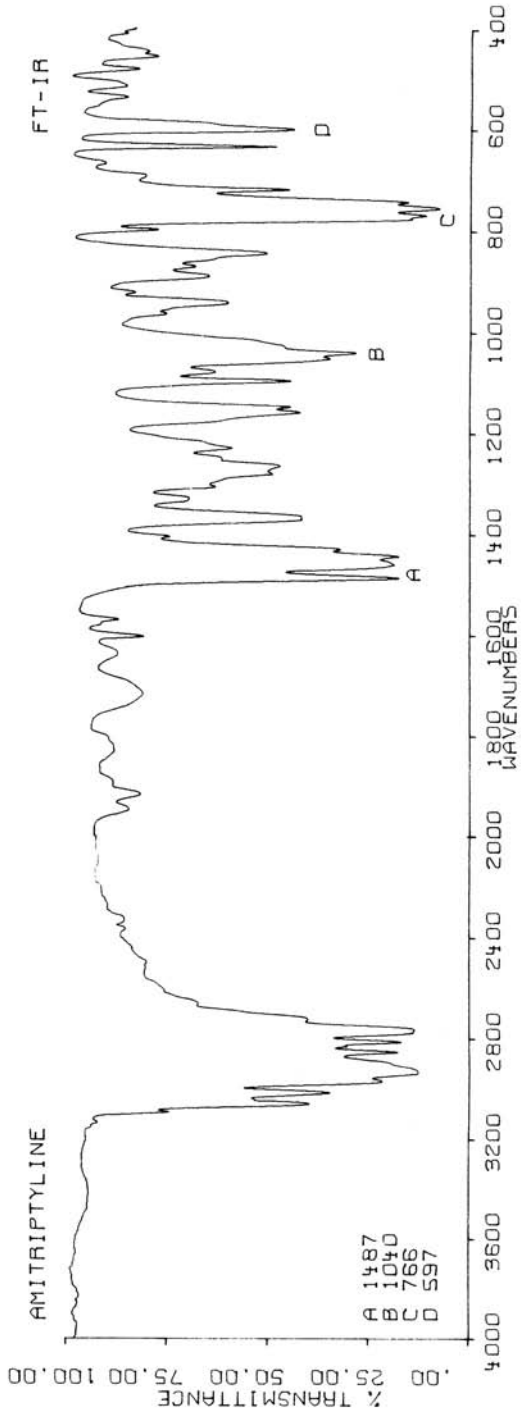
Use: Antidepressant
HPLC: Si-10; 2A:98B; 7.0
GC: 2247; 250°C








AMITRIPTYLINE HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 93 2.65
2 17 5.75
3 13 7.03
4 20 7.09
5 14 7.10
6 18 7.11
7 30 7.13
8 23 7.13
9 21 7.14
10 18 7.15
11 17 7.16
12 14 7.17
13 16 7.19
14 43 7.20
15 32 7.21
16 35 7.22
17 25 7.23
18 16 7.24
19 15 7.24
20 15 7.25


AMITRIPTYLINE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D
A 1487
B 1040
C 766
D 597

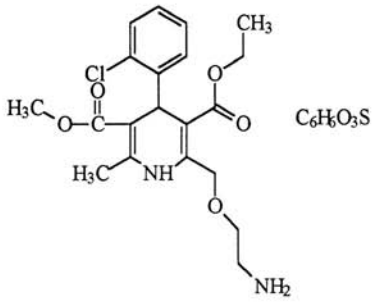
AMLODIPINE BESYLATE

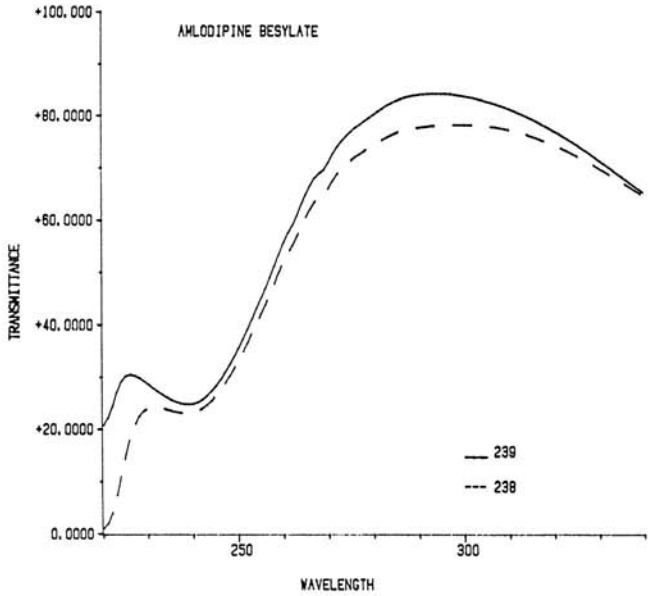
$C_{20}H_{25}ClN_2O_5 \cdot C_6H_6O_3S$

Molecular Weight: 567.05 (566.15)

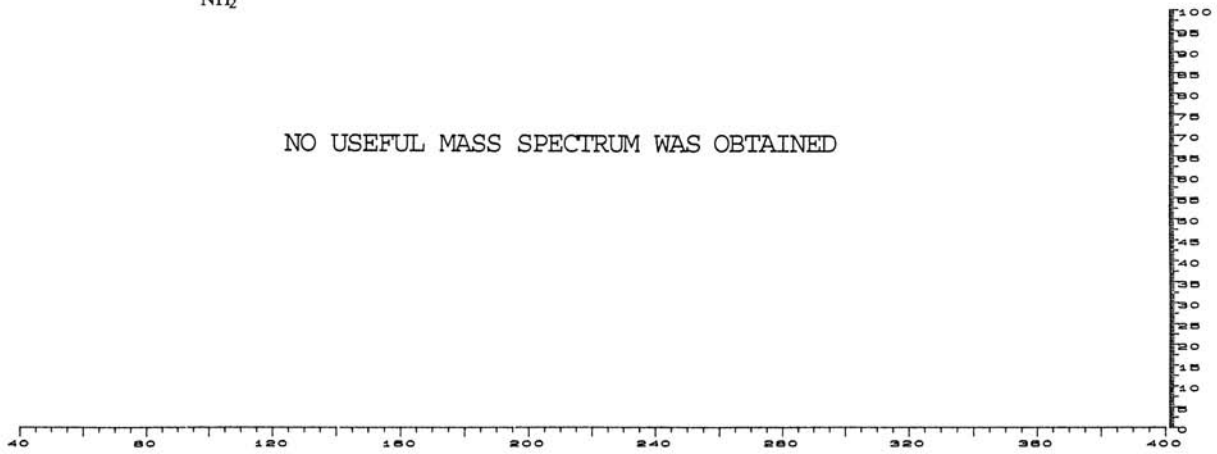
Synonyms: (R,S)-3-Ethyl-5-methyl-2-(2-aminoethoxymethyl)-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylate benzenesulphonate
Trade Names: Norvasc
Use:

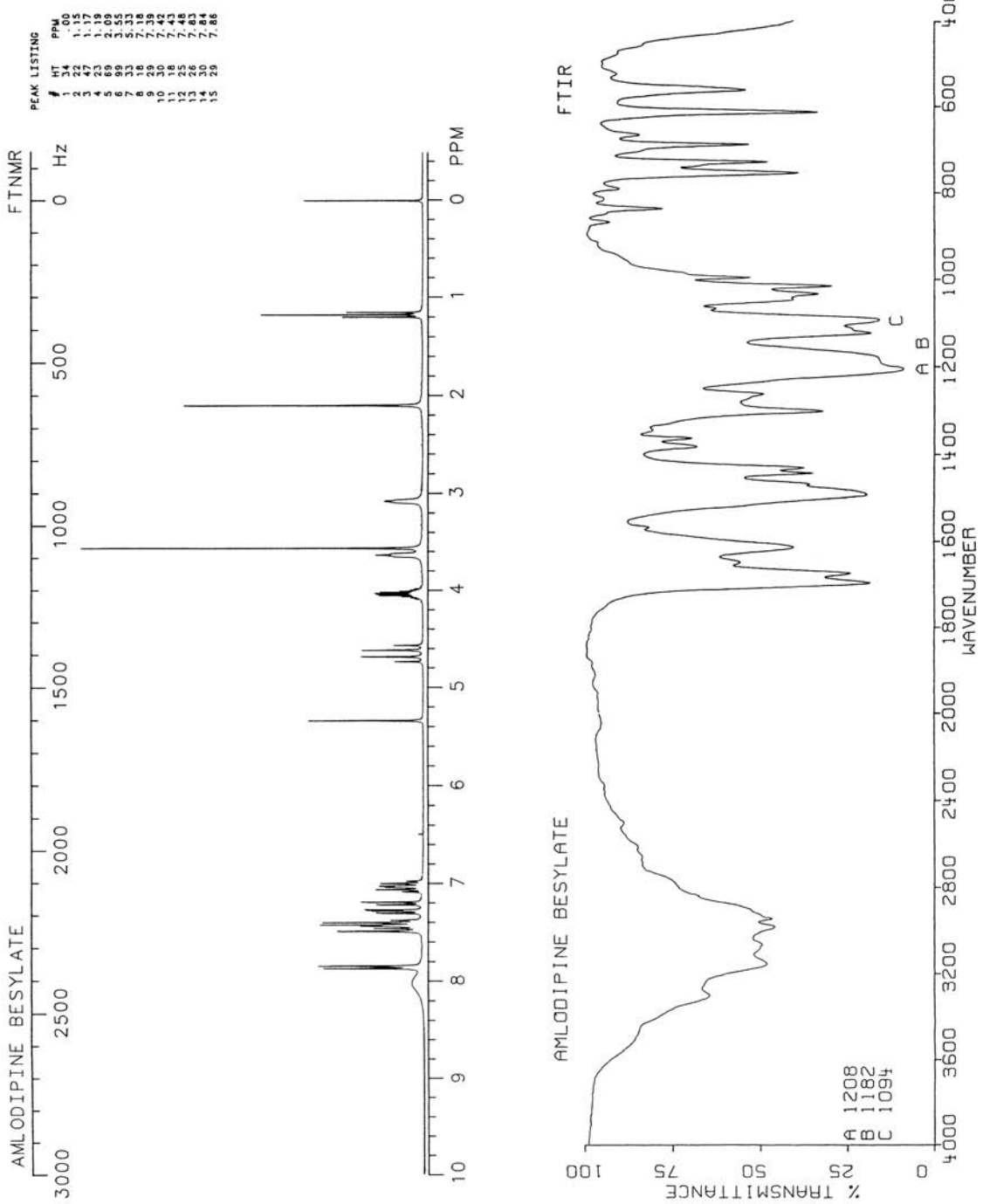
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



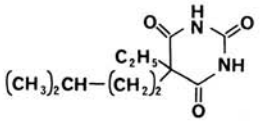

AMLODIPINE BESYLATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 34 .00
2 22 1.15
3 47 1.17
4 23 1.19
5 69 2.09
6 69 3.55
7 33 5.33
8 18 7.18
9 29 7.39
10 30 7.42
11 18 7.43
12 25 7.48
13 26 7.83
14 30 7.84
15 29 7.86
AMLODIPINE BESYLATE
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C
A 1208
B 1182
C 1094

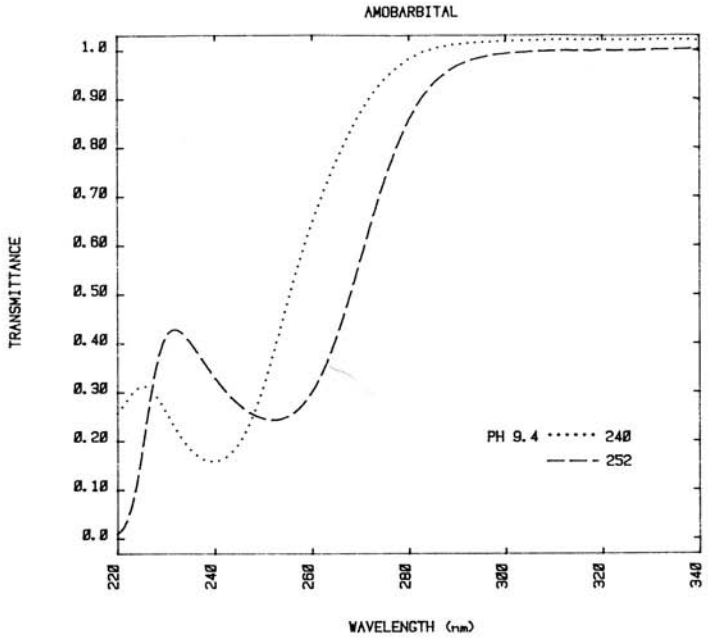
AMOBARBITAL

$C_{11}H_{18}N_2O_3$

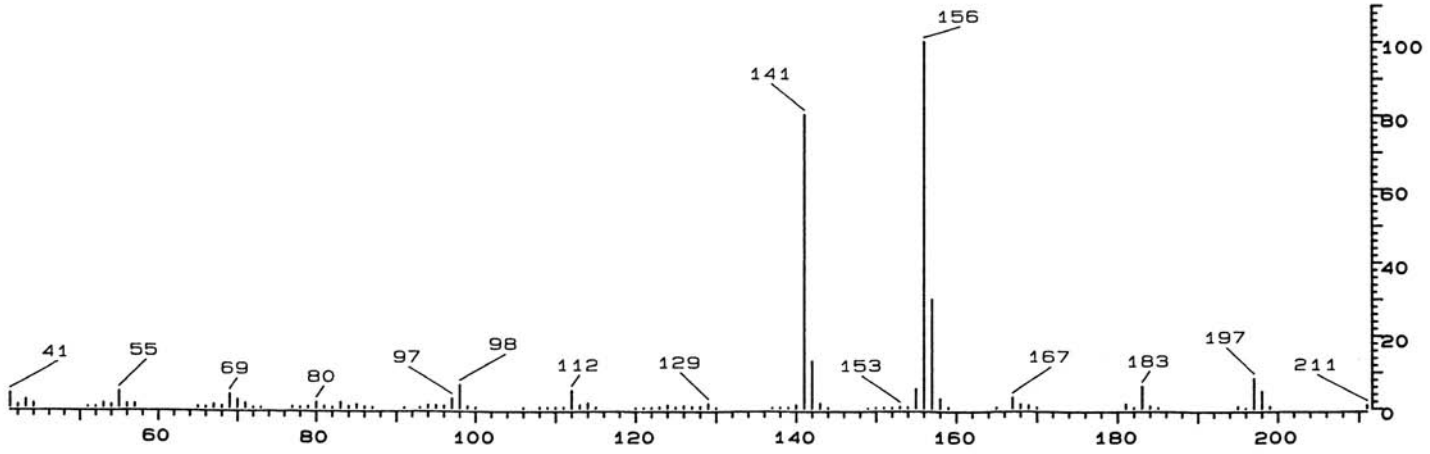
Molecular weight: 226.27 (226.13)
Synonyms: 5-Ethyl-5-(3-methylbutyl)-2,4,6(1H,3H,5H)-pyrimidinetrione;
5-ethyl-5-isopentylbarbituric acid; amylobarbitone
Trade names: Amytal, Dexamyl, Tuinal

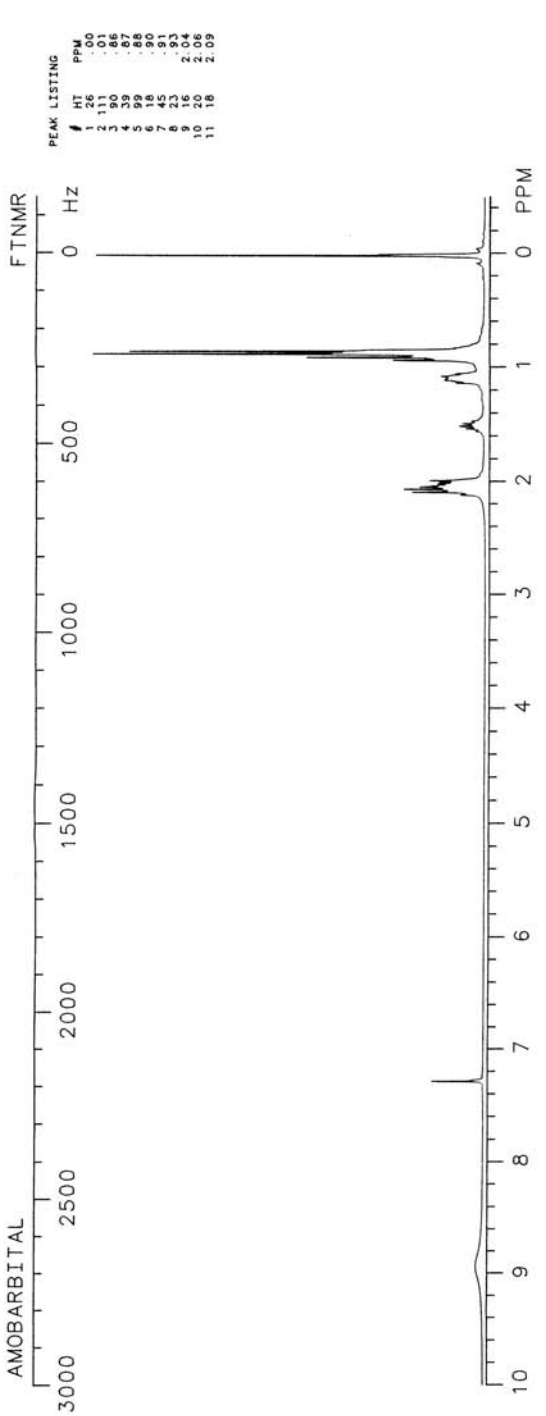
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 6.0
GC: 1717; 200°C

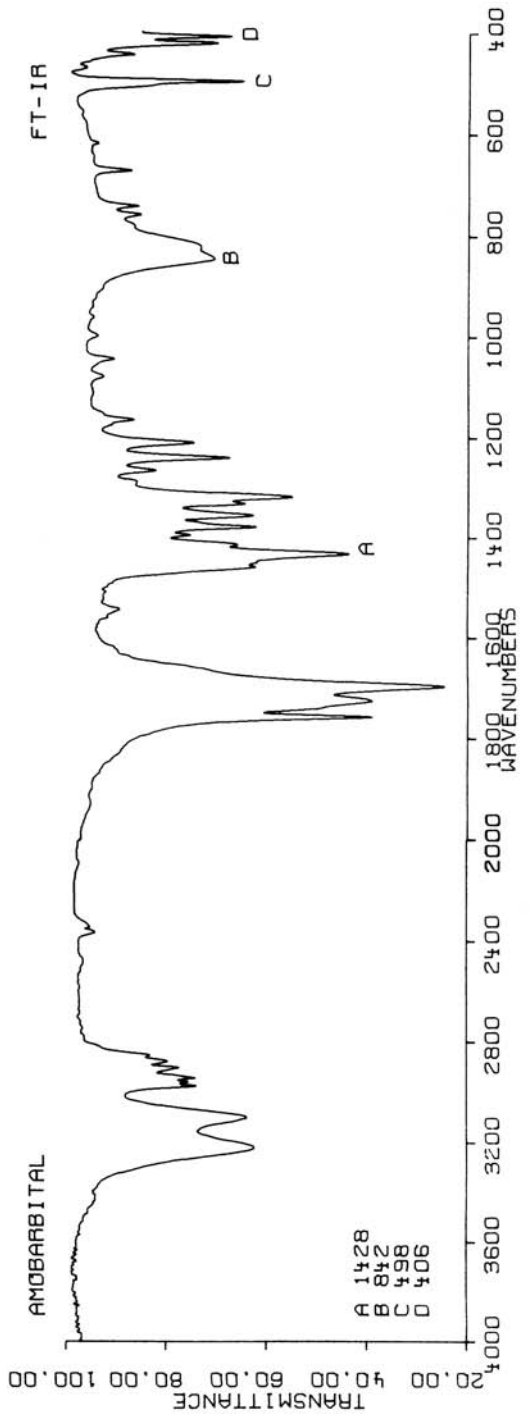




AMOBARBITAL




AMOBARBITAL
FTNMR
PEAK LISTING
HT PPM
1 26 .80
2 111 .81
3 90 .86
4 39 .87
5 99 .88
6 18 .90
7 45 .91
8 13 1.93
9 16 2.04
10 20 2.06
11 18 2.09
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


AMOBARBITAL
FT-IR
A 1428
B 842
C 498
D 406
A
B
C
D
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

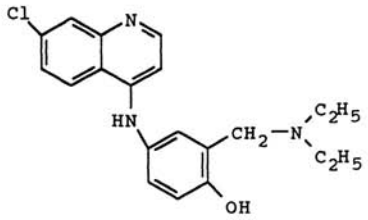
AMODIAQUIN

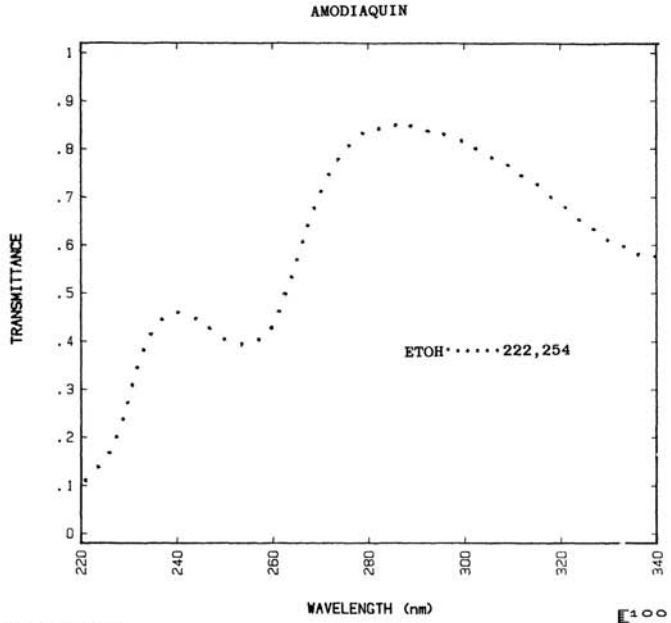
$C_{20}H_{22}ClN_3O$

Molecular weight: 355.86 (355.14)

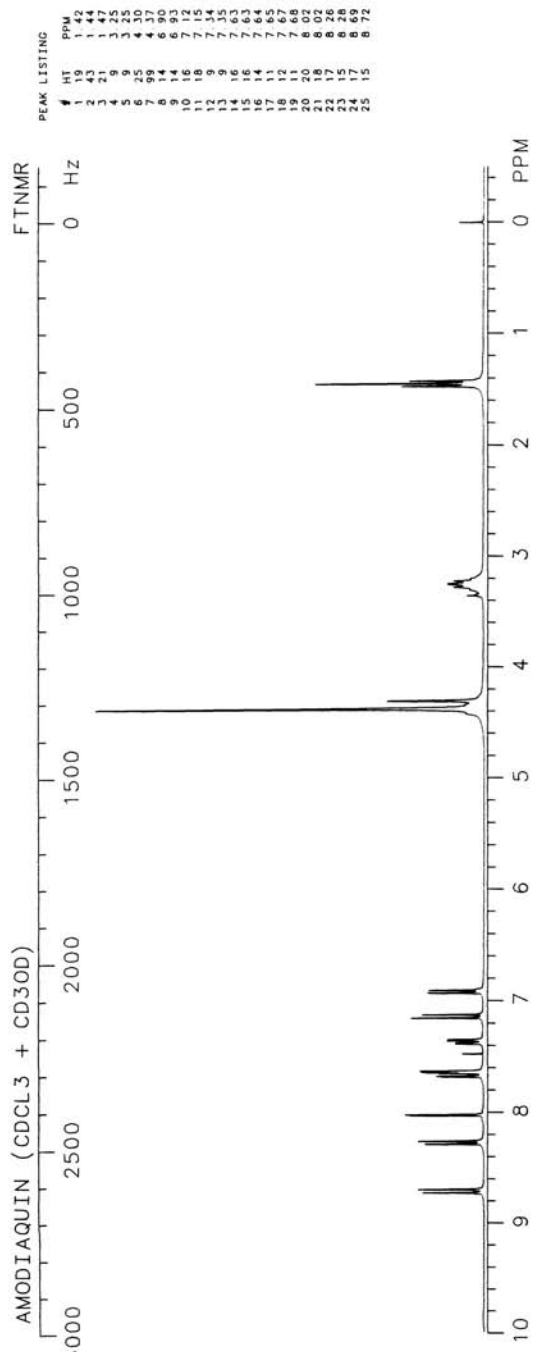
Synonyms: 4-[(Chloro-4-quinolinyl)amino]-2-[(diethylamino) methyl phenol; amodiaquine; amodiachin
Trade names: Basoquin, Camaq1, Camoquin, Flavoquine, Miaquin

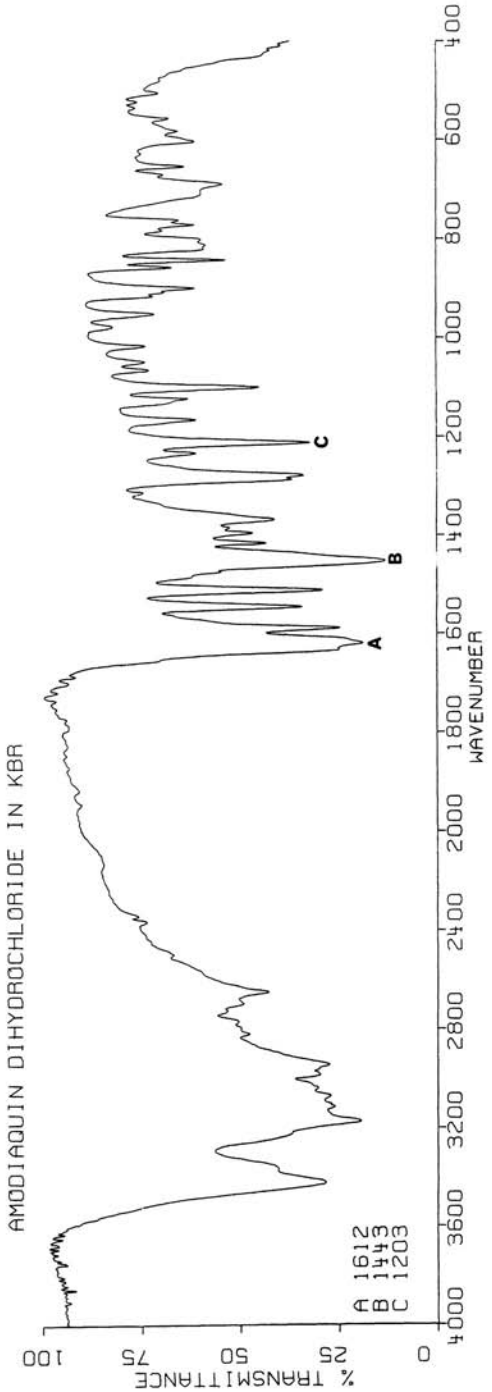
Use: Antimalarial
HPLC: 100A; 2.4
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED


AMODIAQUIN (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 19 1.42
2 43 1.44
3 21 1.47
4 9 3.25
5 9 3.25
6 25 4.30
7 99 4.37
8 14 6.90
9 14 6.91
10 16 7.12
11 18 7.15
12 9 7.34
13 9 7.35
14 16 7.63
15 16 7.63
16 14 7.64
17 11 7.65
18 12 7.67
19 11 7.68
20 20 8.02
21 18 8.02
22 17 8.26
23 15 8.66
24 17 8.69
25 15 8.72
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

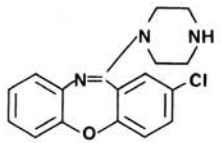

AMODIAQUIN DIHYDROCHLORIDE IN KBR
A 1612
B 1443
C 1203
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

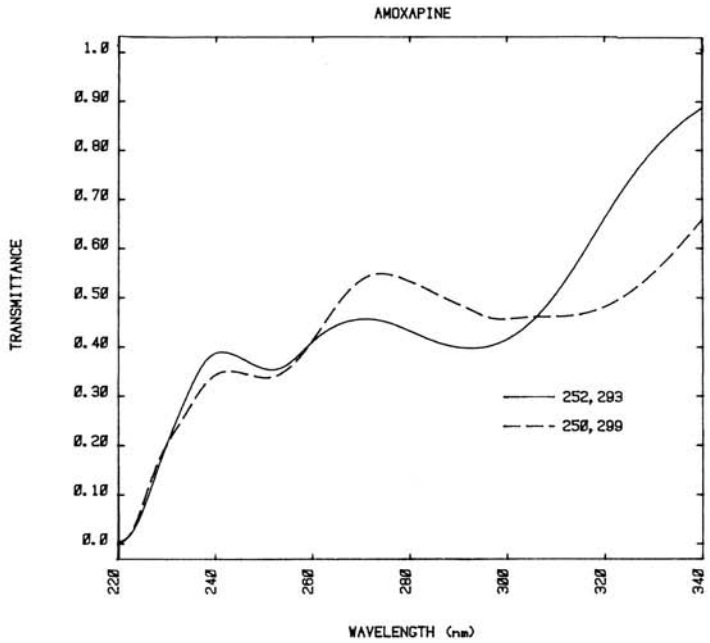
AMOXAPINE

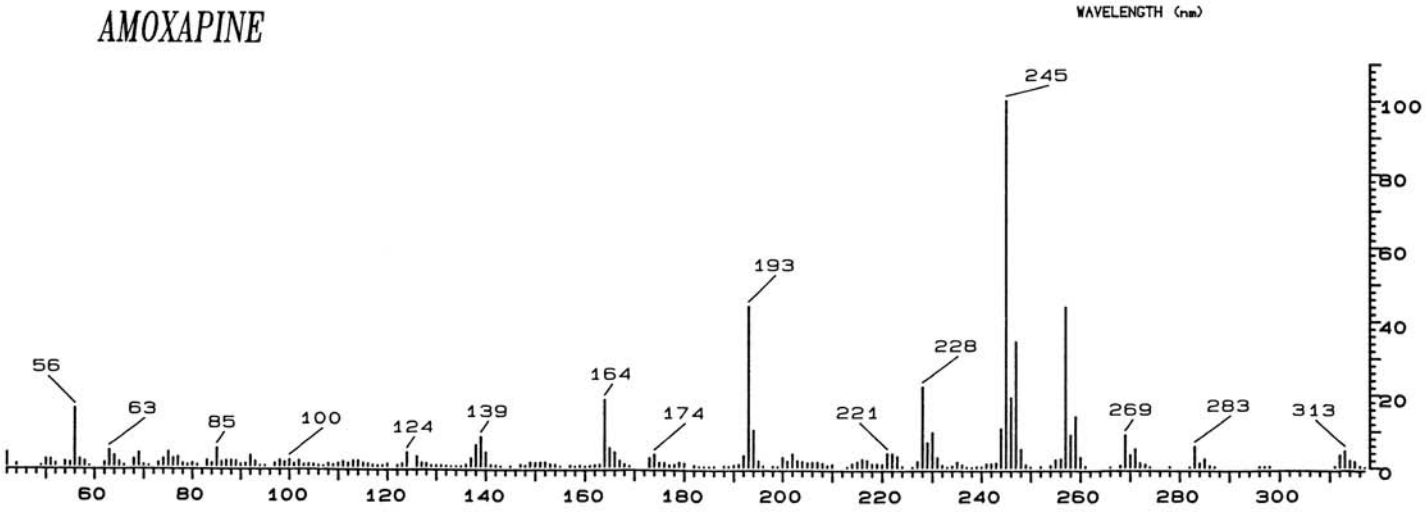
$C_{17}H_{16}ClN_3O$

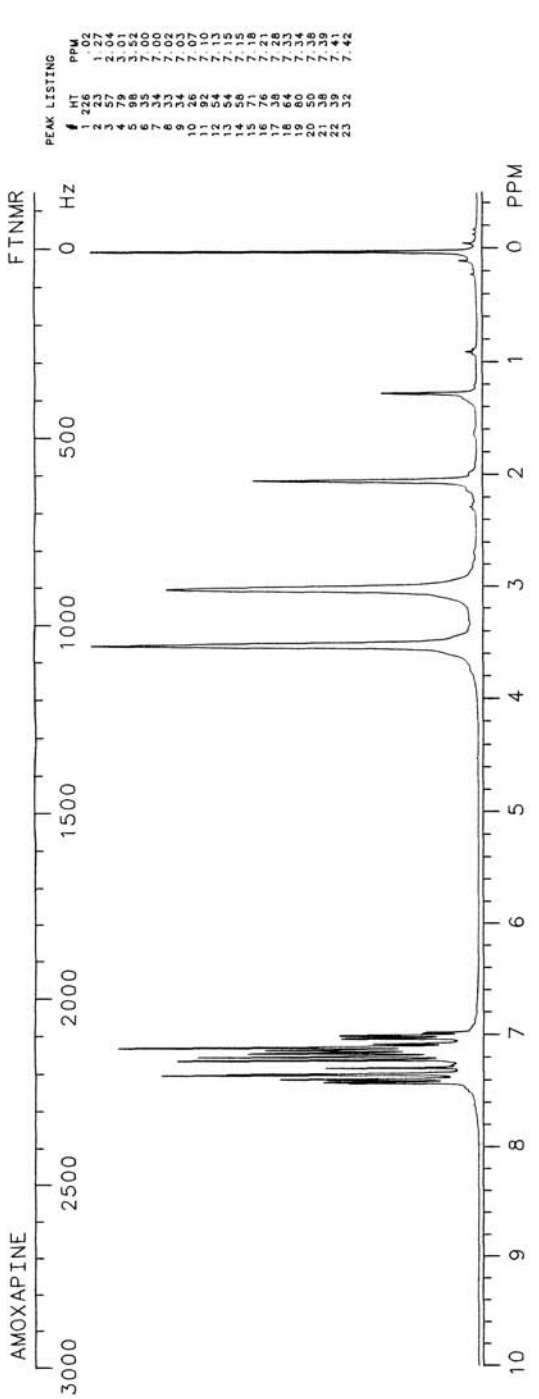
Molecular weight: 313.79 (313.10)
Synonyms: 2-Chloro-11-(1-piperazinyl)dibenz[b,f]-[1,4]oxazepine
Trade names: Asendin

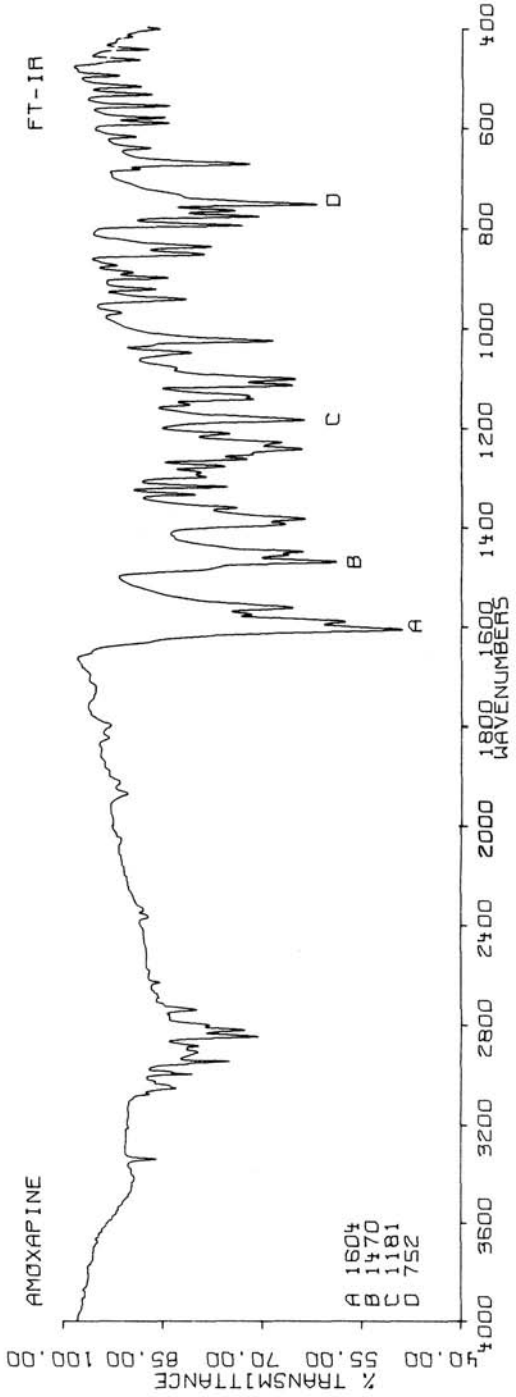
Use: Antidepressant
HPLC: Si-10; 5A:95B; 4.0
GC: 2659: 250°C







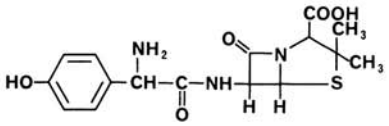

AMOXAPINE
FTNMR
PEAK LISTING
HT PPM
1 226 7.02
2 23 1.27
3 57 2.04
4 79 3.91
5 98 7.00
6 35 7.02
7 34 7.03
8 33 7.07
9 34 7.10
10 26 7.12
11 82 7.13
12 54 7.15
13 54 7.15
14 58 7.15
15 71 7.18
16 76 7.21
17 78 7.38
18 64 7.34
19 80 7.38
20 50 7.38
21 38 7.39
22 39 7.41
23 32 7.42
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

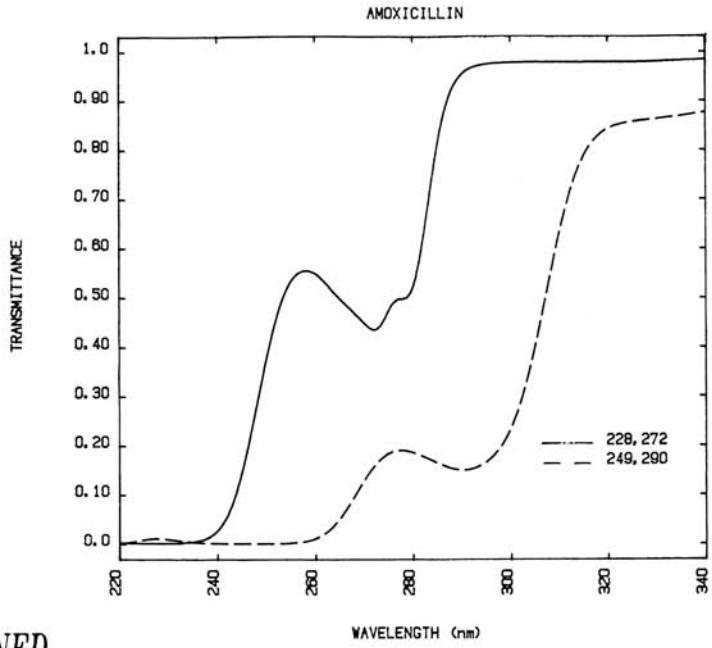

AMOXAPINE
FT-IR
A 1604
B 1470
C 1181
D 752
A
B
C
D
% TRANSMITTANCE
50.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

AMOXICILLIN

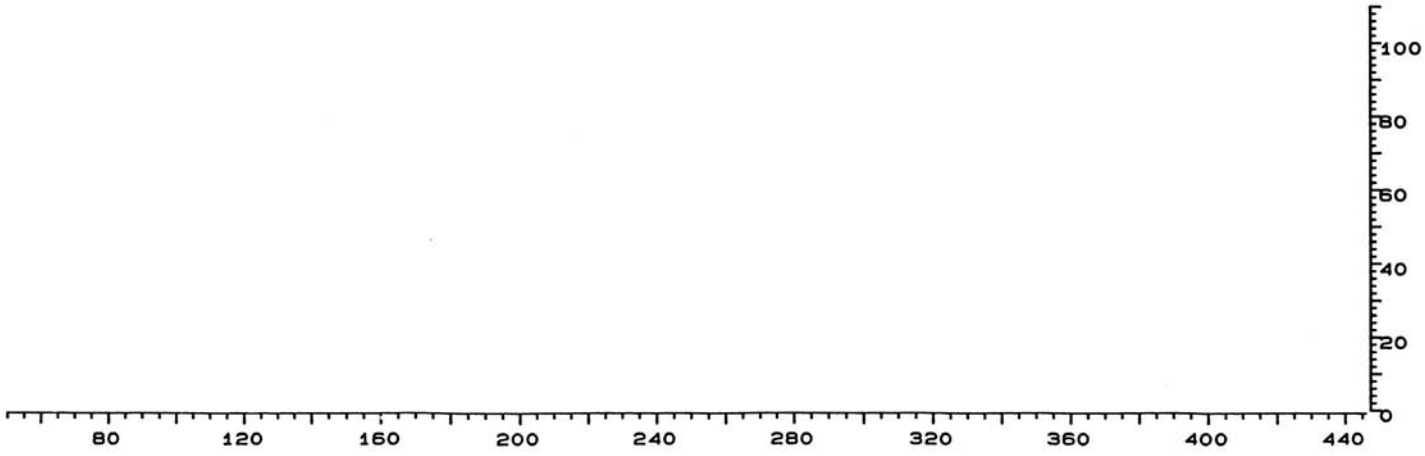
$C_{16}H_{19}N_3O_5S$

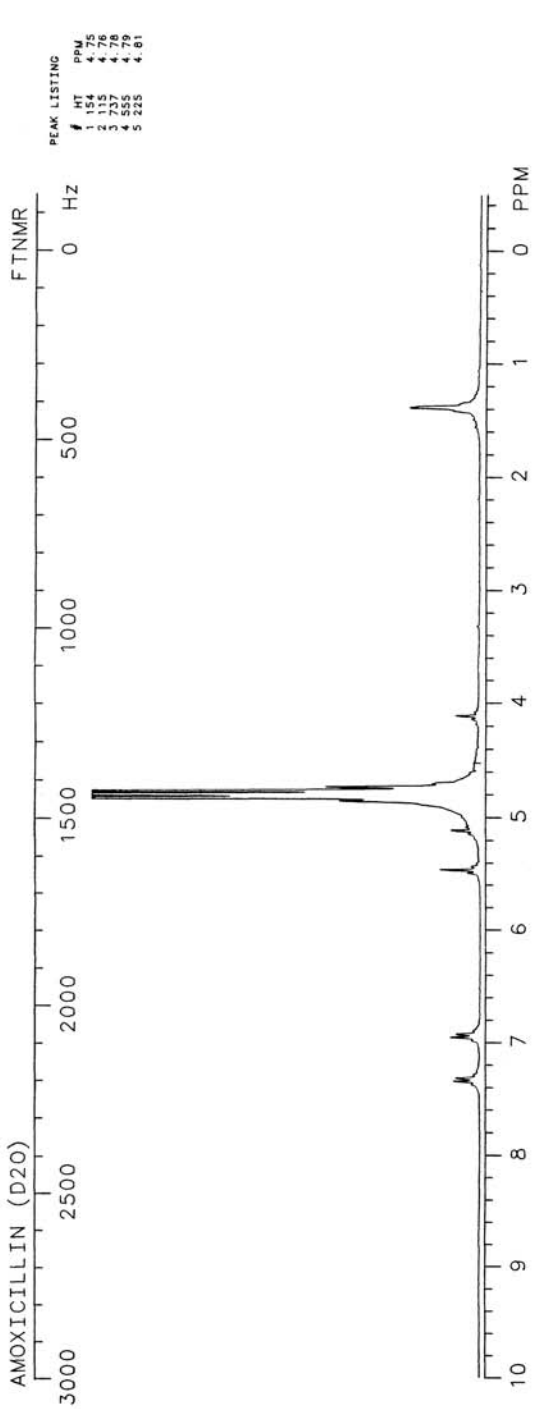
Molecular weight: 356.40 (355.10)
Synonyms: 6-[[Amino(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azobicyclo[3.2.0]heptane-2-carboxylilc acid; α -amino-p-hydroxybenzylpenicillin; p-hydroxyampicillin; amoxycillin
Trade names: Amoxicillin, Amoxil, Larotid, Polymox, Robamox, Trimox, Wymox
Use: Antibacterial
HPLC:
GC:

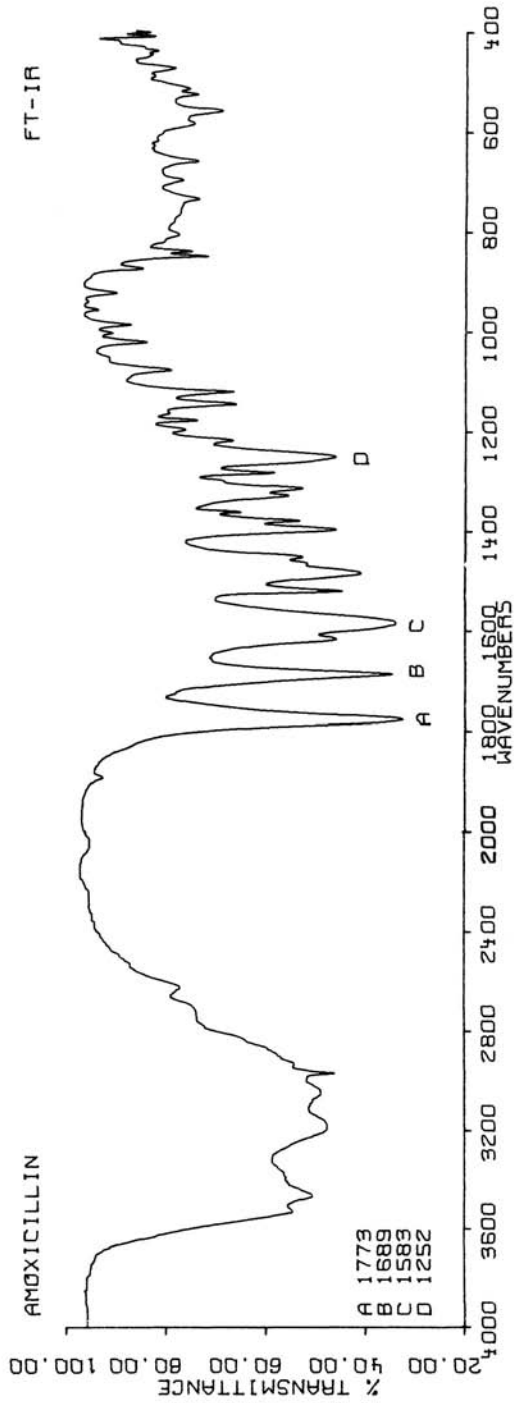




NO USEFUL MASS SPECTRUM WAS OBTAINED




AMOXICILLIN (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 154 4.75
2 115 4.76
3 737 4.78
4 555 4.79
5 225 4.81
10 9 8 7 6 5 4 3 2 1 0 PPM

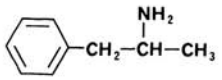

AMOXICILLIN
FT-IR
A 1773
B 1689
C 1583
D 1252
A B C D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

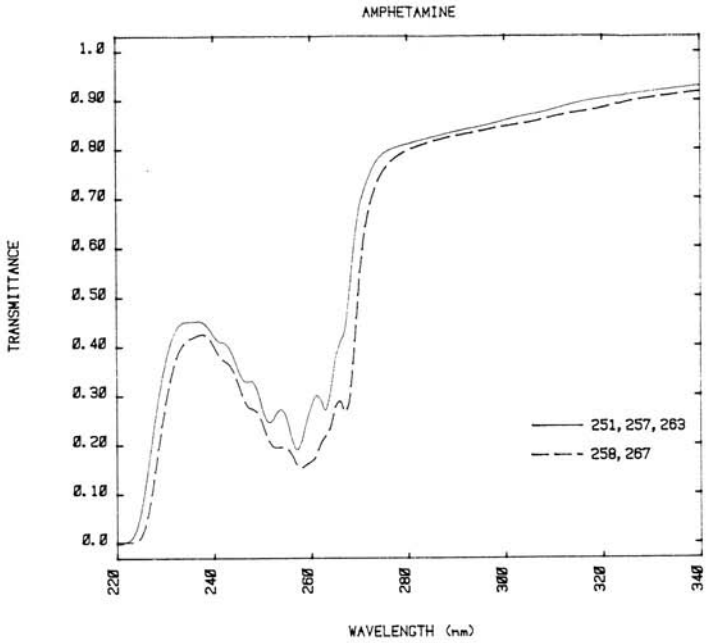
AMPHETAMINE

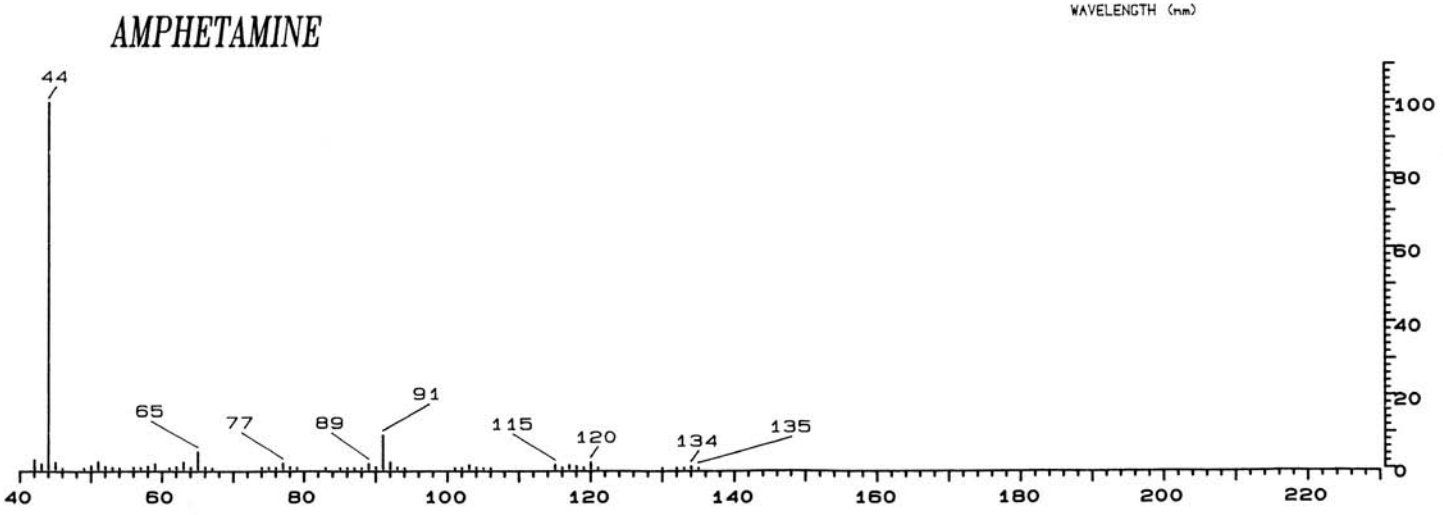
$C_9H_{13}N$

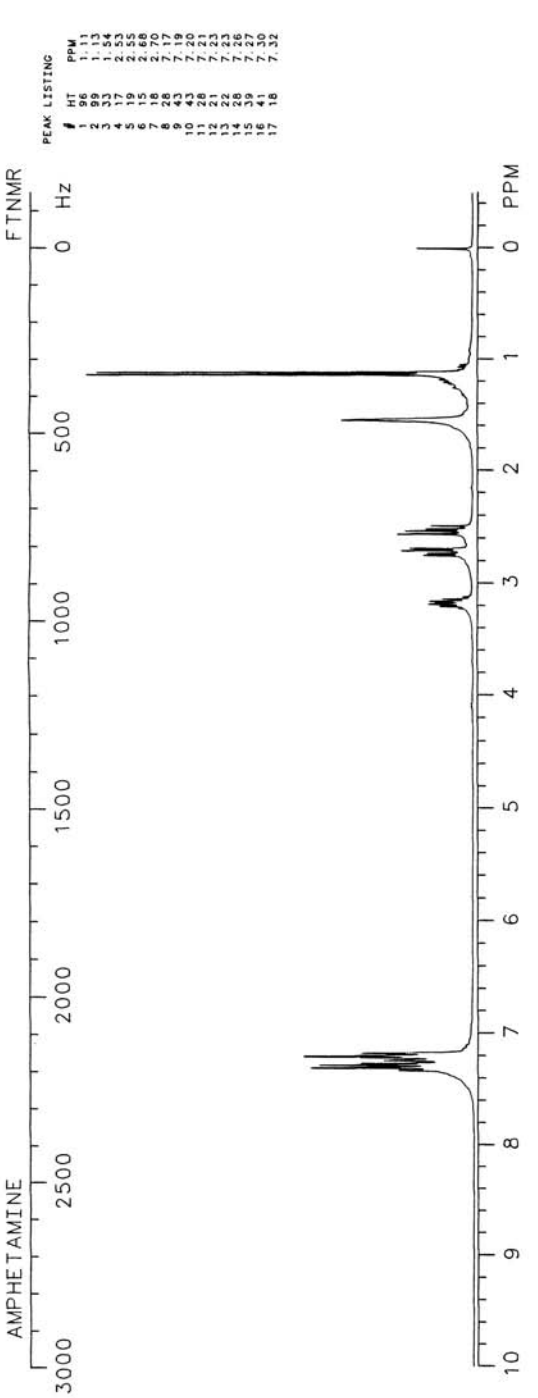
Molecular weight: 135.21 (135.11)
Synonyms: α-Methylbenzeneethanamine; desoxynorephedrine; (phenylisopropyl)amine
Trade names: Benzedrine, Biphetamine, Delcobese, Obetrol

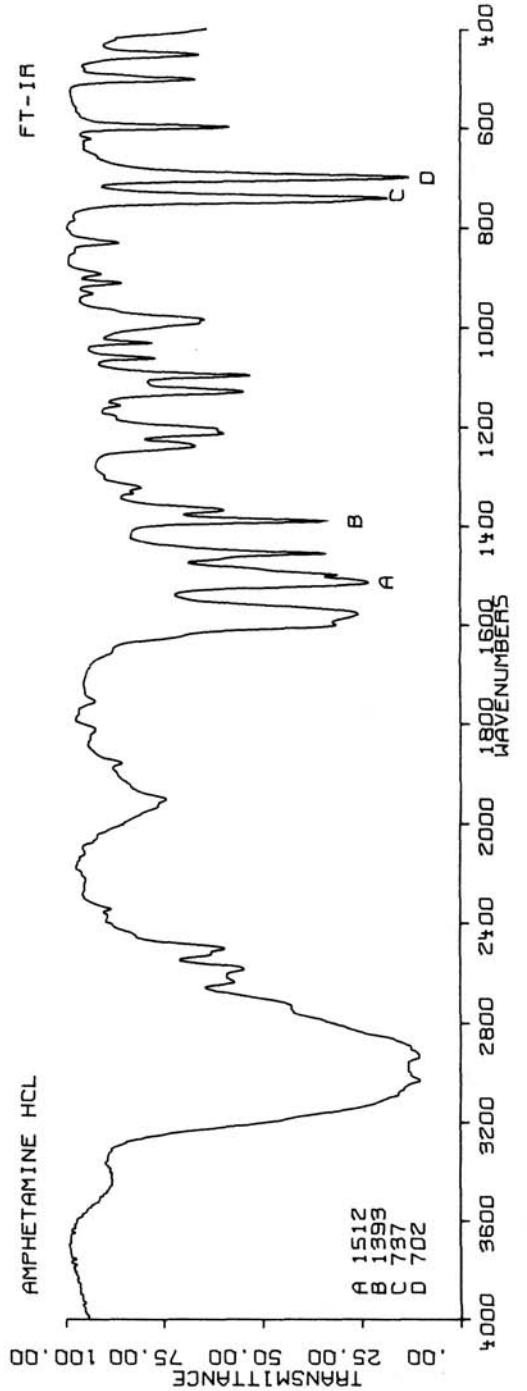
Use: Central stimulant
HPLC: Si-10; 10A:90B; 4.2
GC: 1124; 140°C








AMPHETAMINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 96 1.11
2 80 1.13
3 33 1.54
4 17 2.53
5 19 2.55
6 15 2.68
7 18 2.70
8 28 7.17
9 43 7.19
10 43 7.20
11 28 7.21
12 21 7.23
13 22 7.23
14 38 7.26
15 31 7.27
16 41 7.30
17 18 7.32
10
9
8
7
6
5
4
3
2
1
0 PPM


AMPHETAMINE HCL
FT-IR
TRANSMITTANCE
.00
25.00
50.00
75.00
100.00
A 1512
B 1393
C 737
D 702
A
B
C
D
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

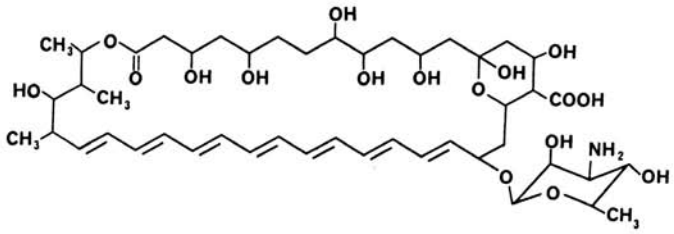
AMPHOTERICIN B

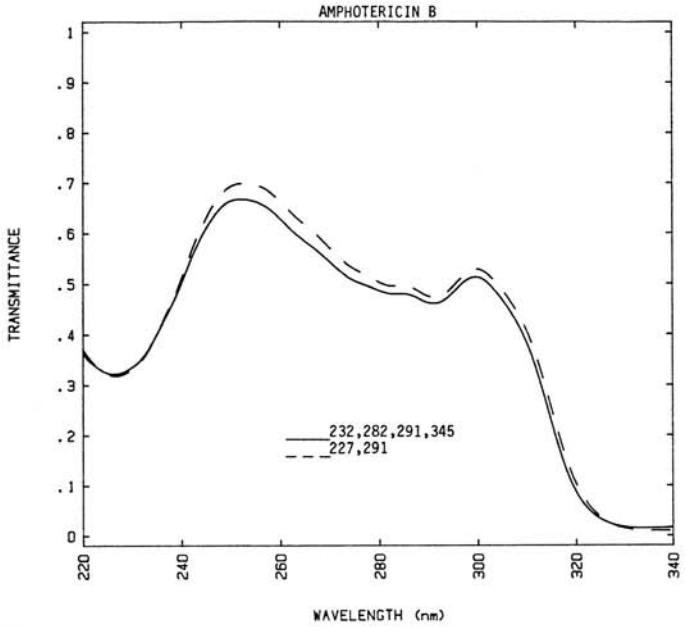
$C_{47}H_{73}NO_{17}$

Molecular weight: 924.11 (923.49)
Synonyms: Amphozone

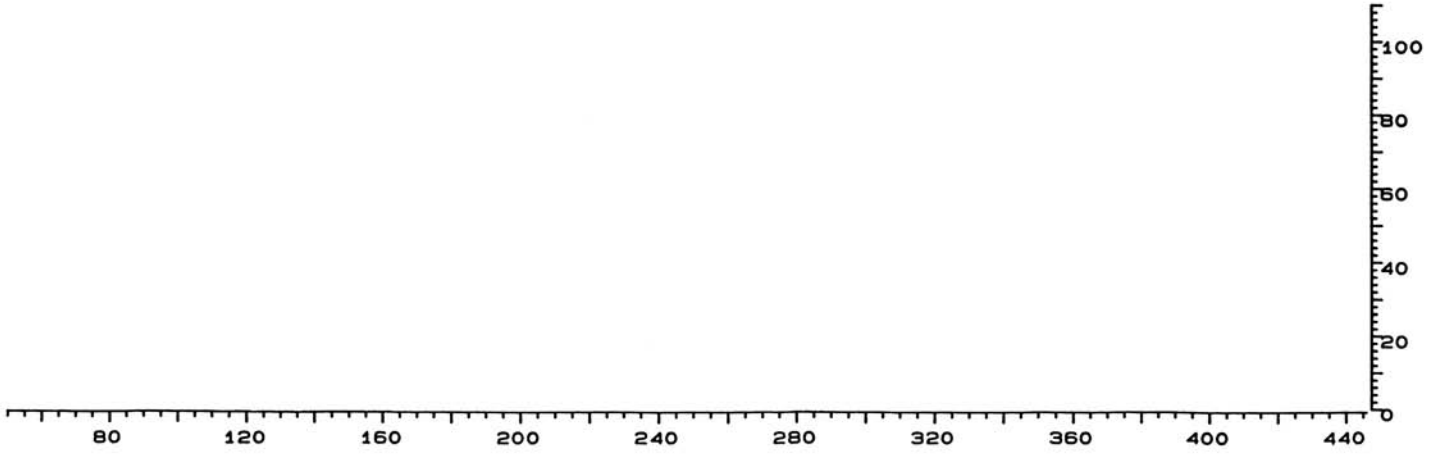
Trade names: Fungilin, Fungizone, Mysteclin-F

Use: Antifungal
HPLC:
GC:

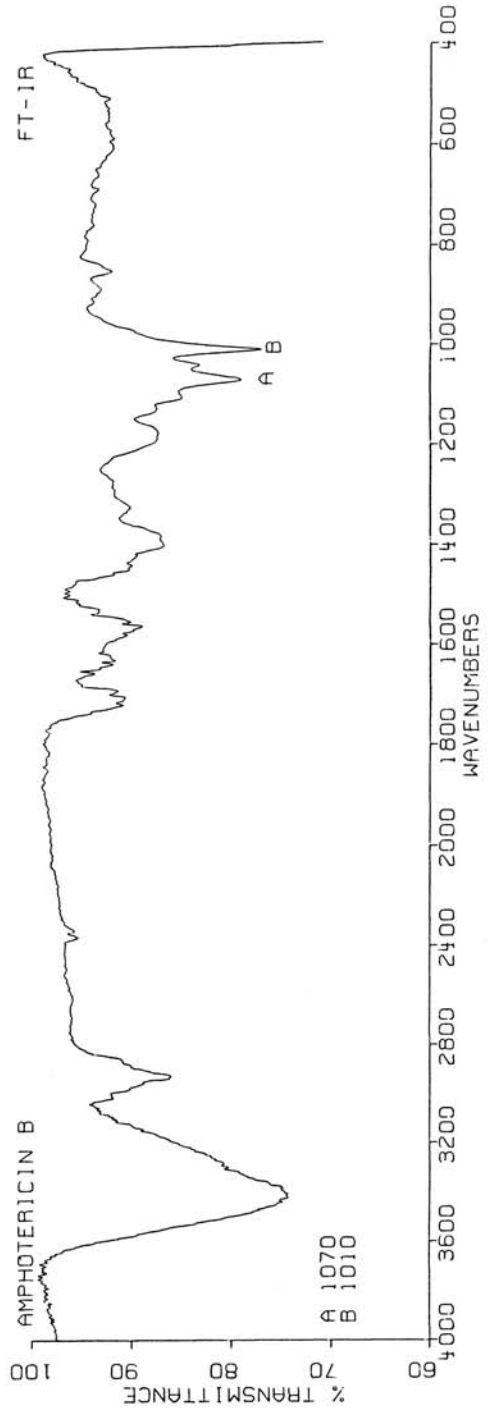




NO USEFUL MASS SPECTRUM WAS OBTAINED



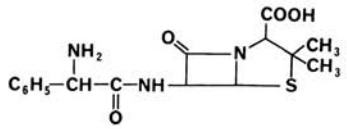
INSUFFICIENT SOLUBILITY

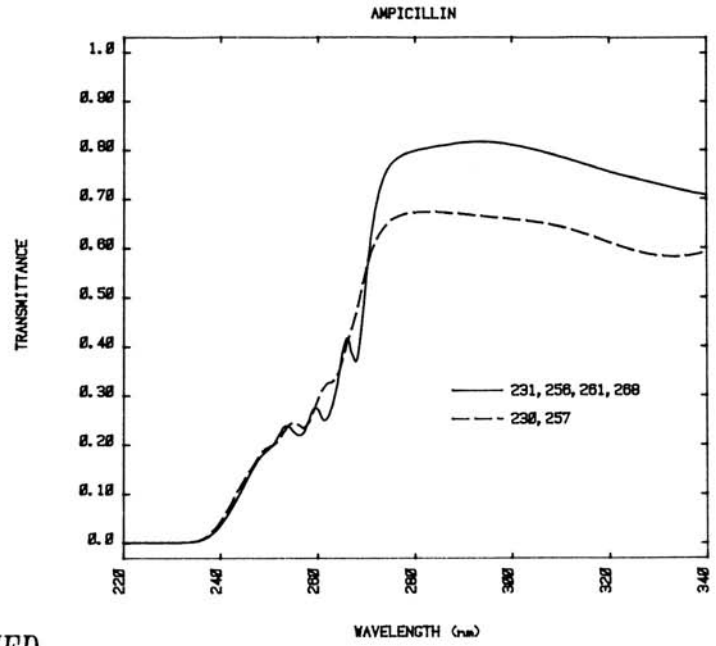


AMPICILLIN

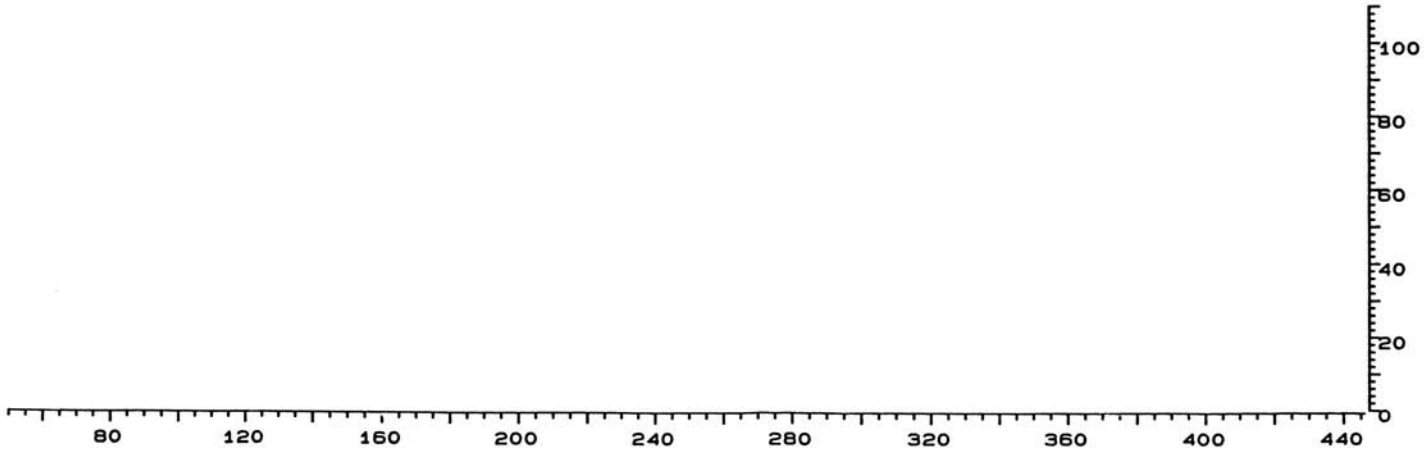
$C_{16}H_{19}N_3O_4S$

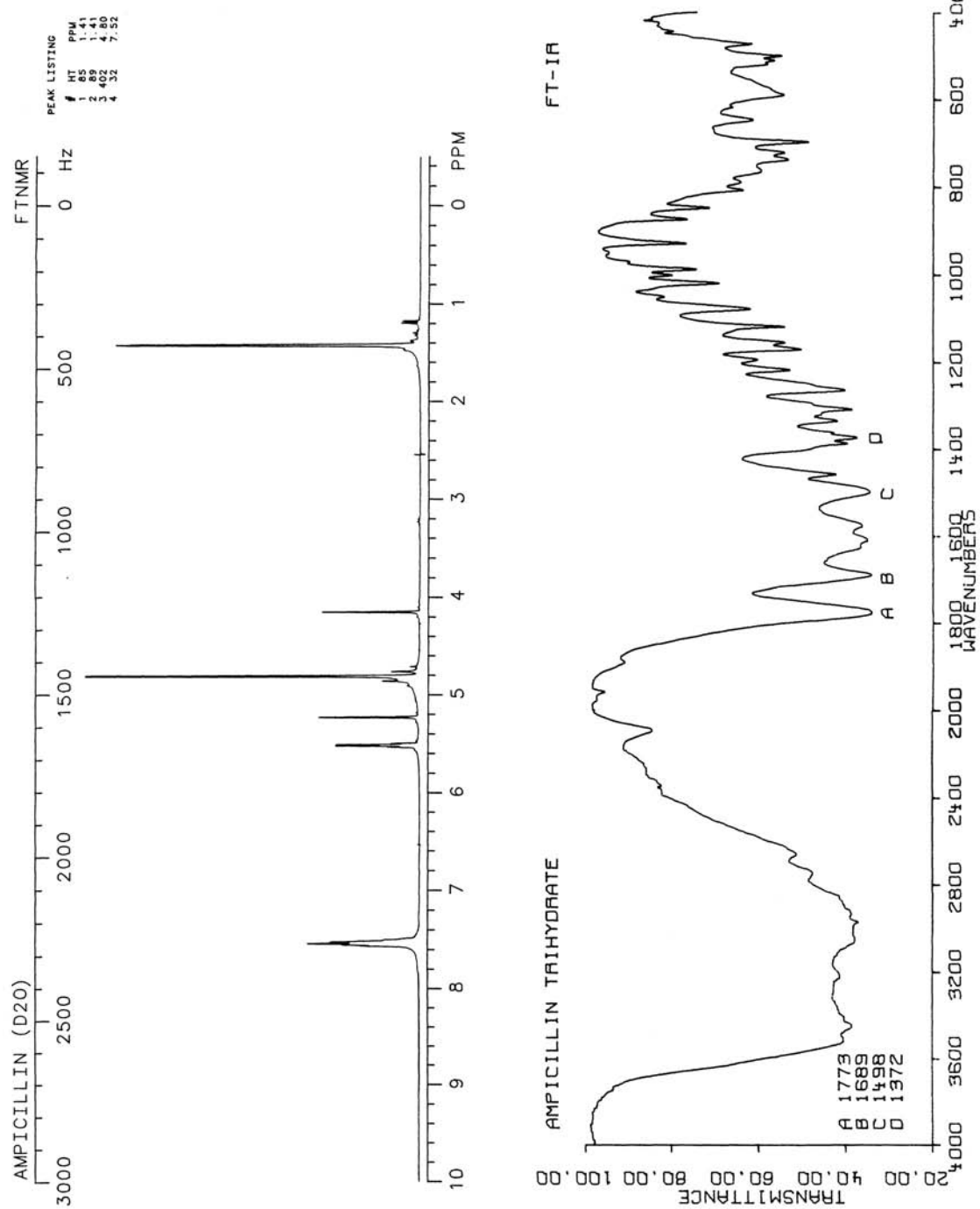
Molecular weight: 349.40 (349.11)
Synonyms: 6-[d-(2-Amino-2-phenylacetamido)]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid; d(-)-α-aminobenzylpenicillin; ampicillin A
Trade names: Amcill, Ampicillin, Omnipen, Pensyn, Pfizerpan-A, Polycillin, Principen
Use: Antibiotic
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



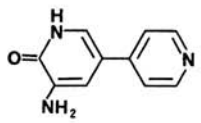

AMPICILLIN (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 85 1.41
2 89 1.41
3 402 4.80
4 32 7.52
AMPICILLIN TRIHYDRATE
FT-IR
A 1773
B 1689
C 1498
D 1372
A B C D
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

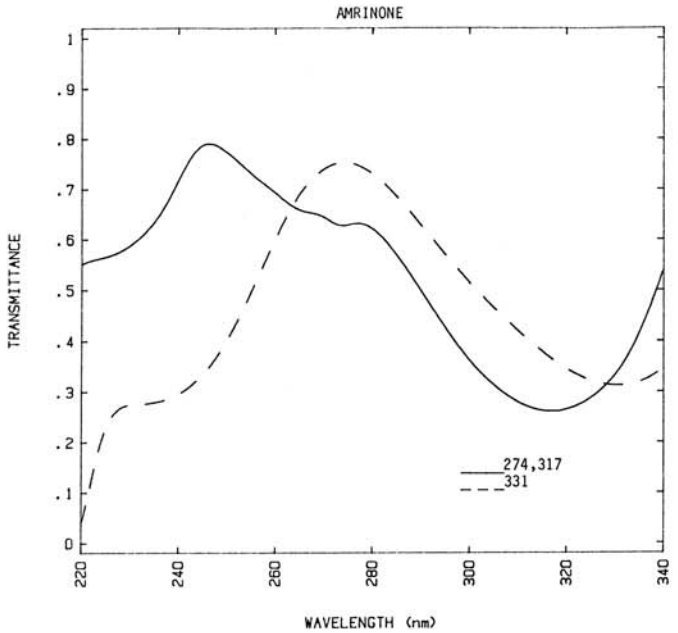
AMRINONE

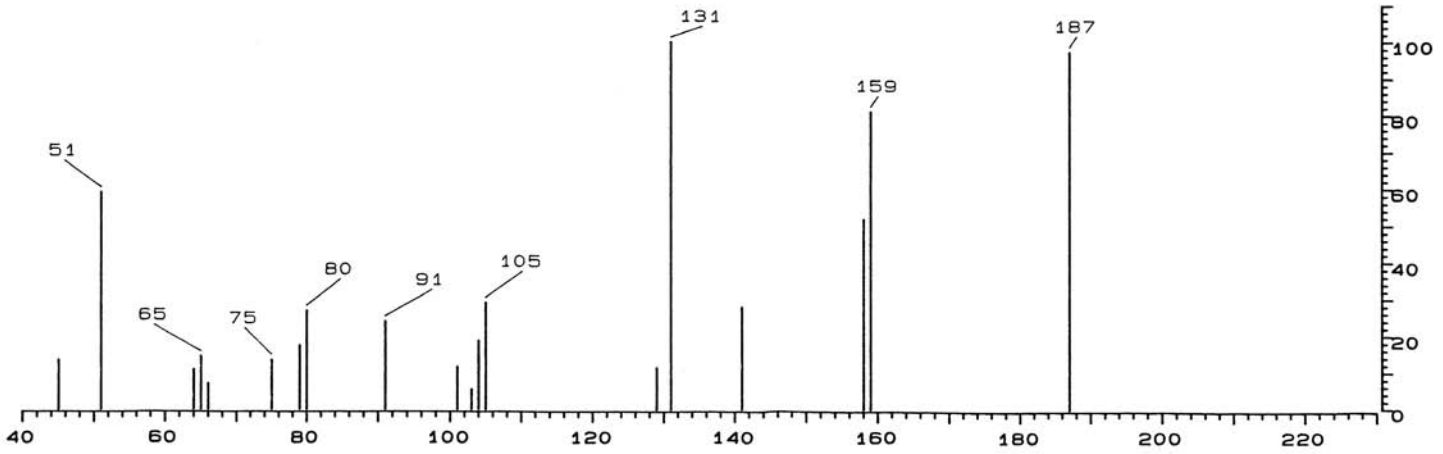
$C_{10}H_9N_3O$

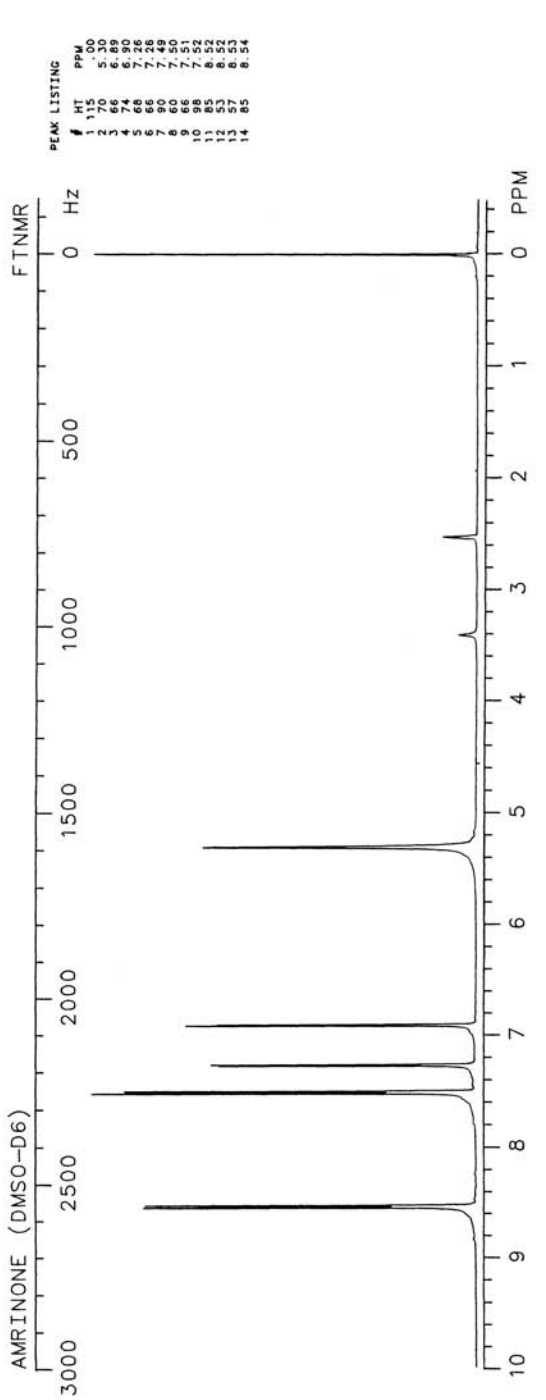
Molecular weight: 187.20 (187.08)
Synonyms: 5-Amino-(3,4'-bipyridin)-6(1H)-one; 3-amino-5-(4-pyridinyl)-2(1H)-pyridinone
Trade names: Inocor

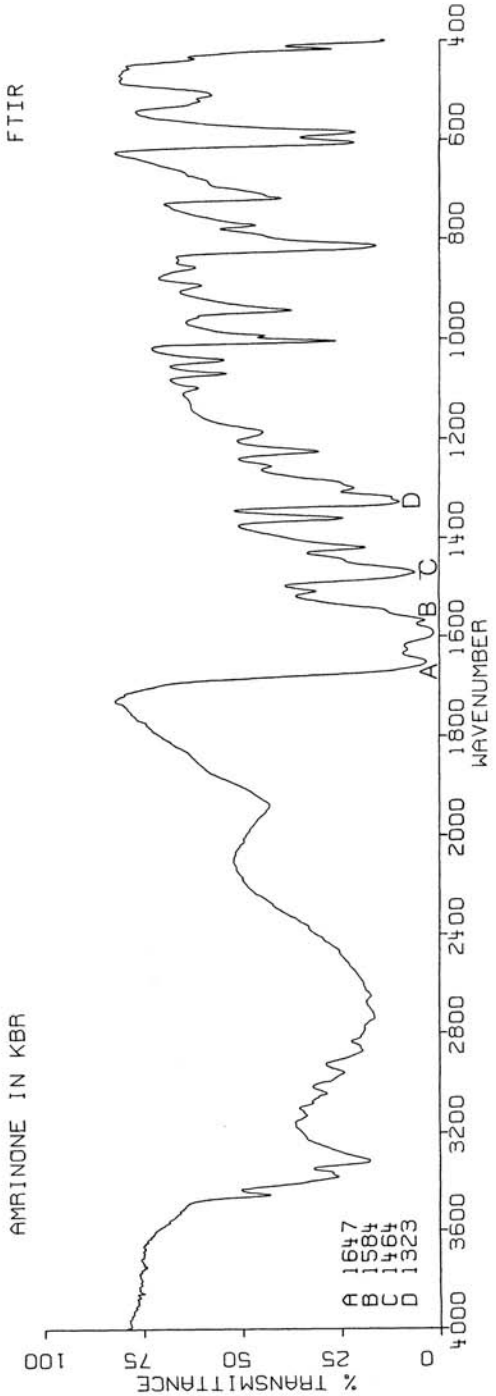
Use: Cardiotonic
HPLC: Si-10; 5A:95B; 7.0
GC:








FTNMR
AMRINONE (DMSO-D6)
PEAK LISTING
HT PPM
1 115 .00
2 70 5.30
3 66 6.89
4 74 6.90
5 68 7.26
6 66 7.26
7 90 7.49
8 60 7.50
9 66 7.51
10 88 7.52
11 85 8.52
12 53 8.52
13 57 8.53
14 85 8.54
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
AMRINONE IN KBR
A 1647
B 1584
C 1464
D 1323
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

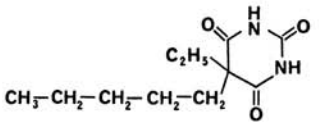
N-AMYLETHYL SODIUM BARBITURATE

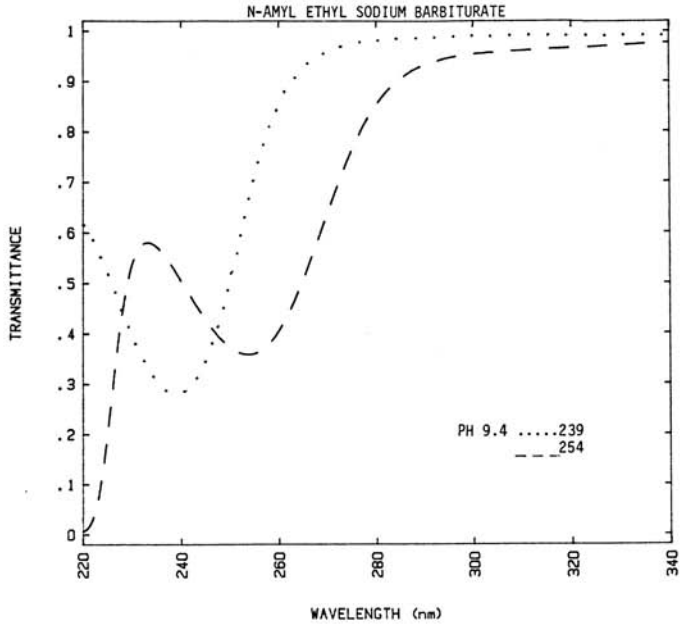
$C_{11}H_{18}N_2O_3$

Molecular weight: 226.26 (226.13)
Synonyms: (5-Amylethyl)-2,4,6(1H,3H,5H)-pyrimidinetrione

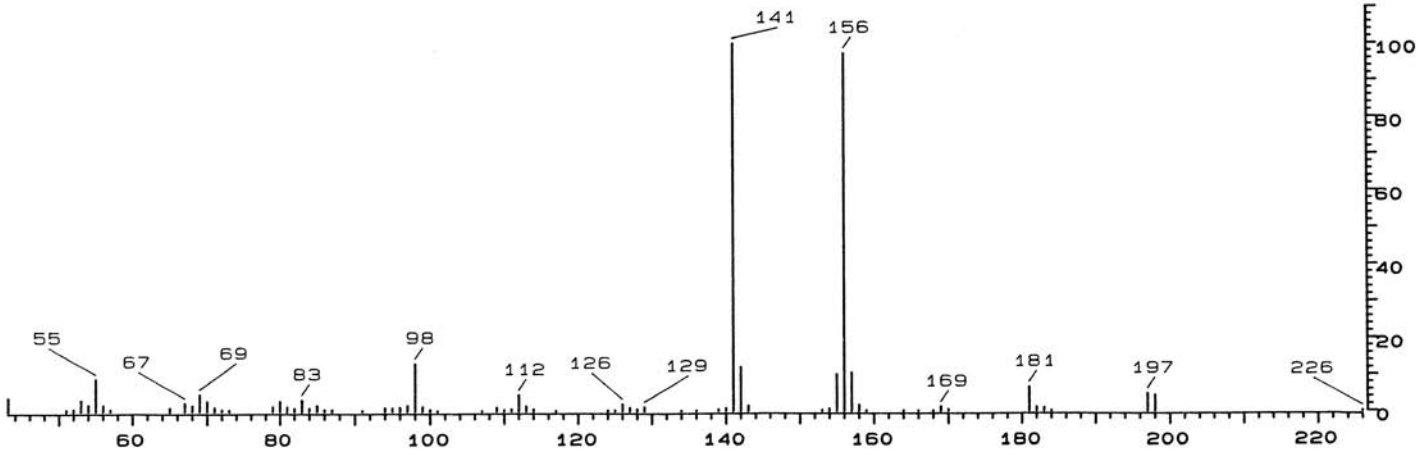
Trade names:

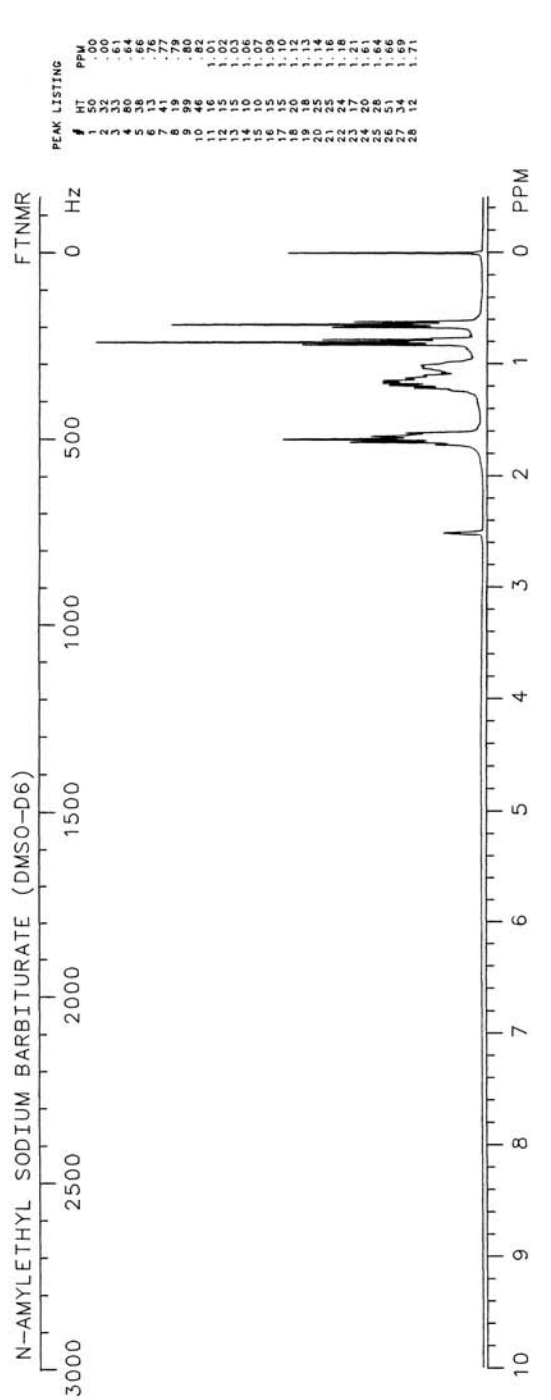
Use: Sedative
HPLC:
GC: 1766; 200°C

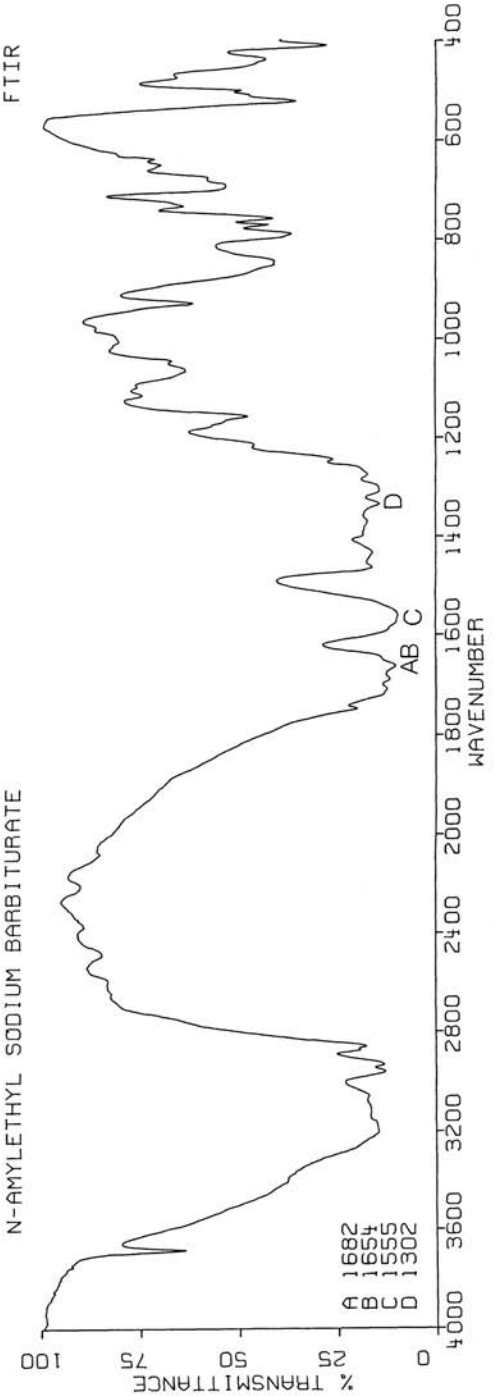




N-AMYLETHYL BARBITURATE




FTNMR
N-AMYLETHYL SODIUM BARBITURATE (DMSO-D6)
PEAK LISTING
HT PPM
1 50 .00
2 32 .00
3 33 .61
4 80 .64
5 38 .66
6 13 .76
7 41 .77
8 19 .79
9 99 .80
10 46 .82
11 16 1.01
12 15 1.02
13 15 1.03
14 10 1.06
15 10 1.07
16 15 1.09
17 15 1.10
18 20 1.12
19 18 1.13
20 25 1.14
21 24 1.16
22 14 1.21
23 17 1.61
24 20 1.64
25 28 1.66
26 51 1.69
27 34 1.71
28 12
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

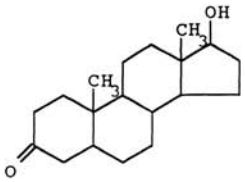

FTIR
N-AMYLETHYL SODIUM BARBITURATE
A 1682
B 1654
C 1555
D 1302
A B C D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

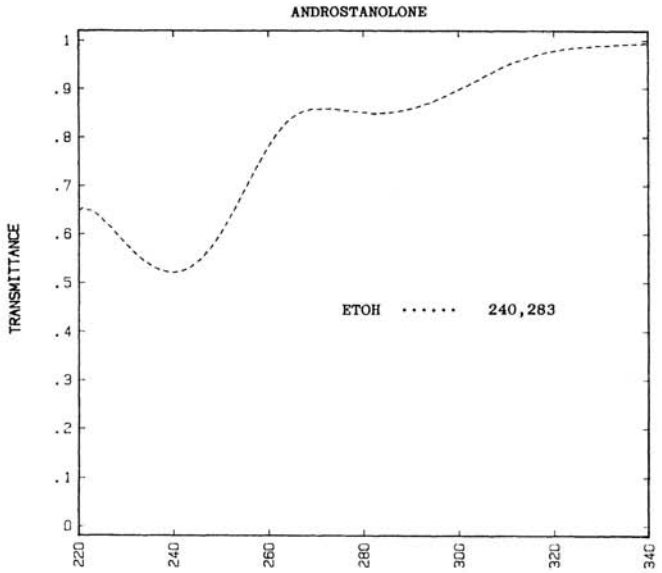
ANDROSTANOLONE

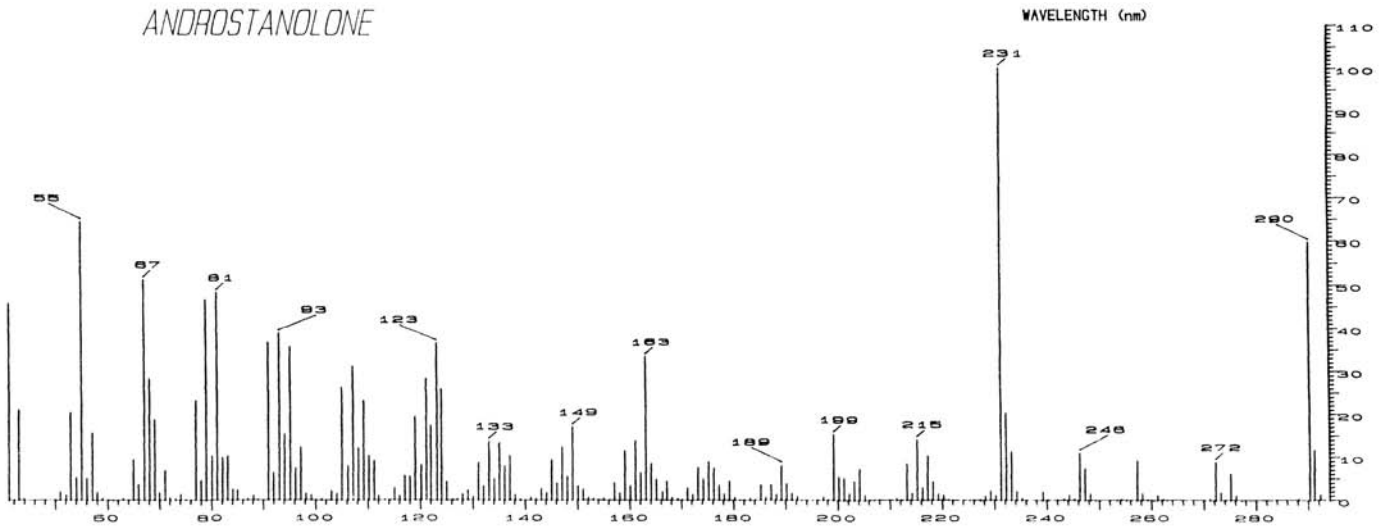
$C_{19}H_{30}O_2$

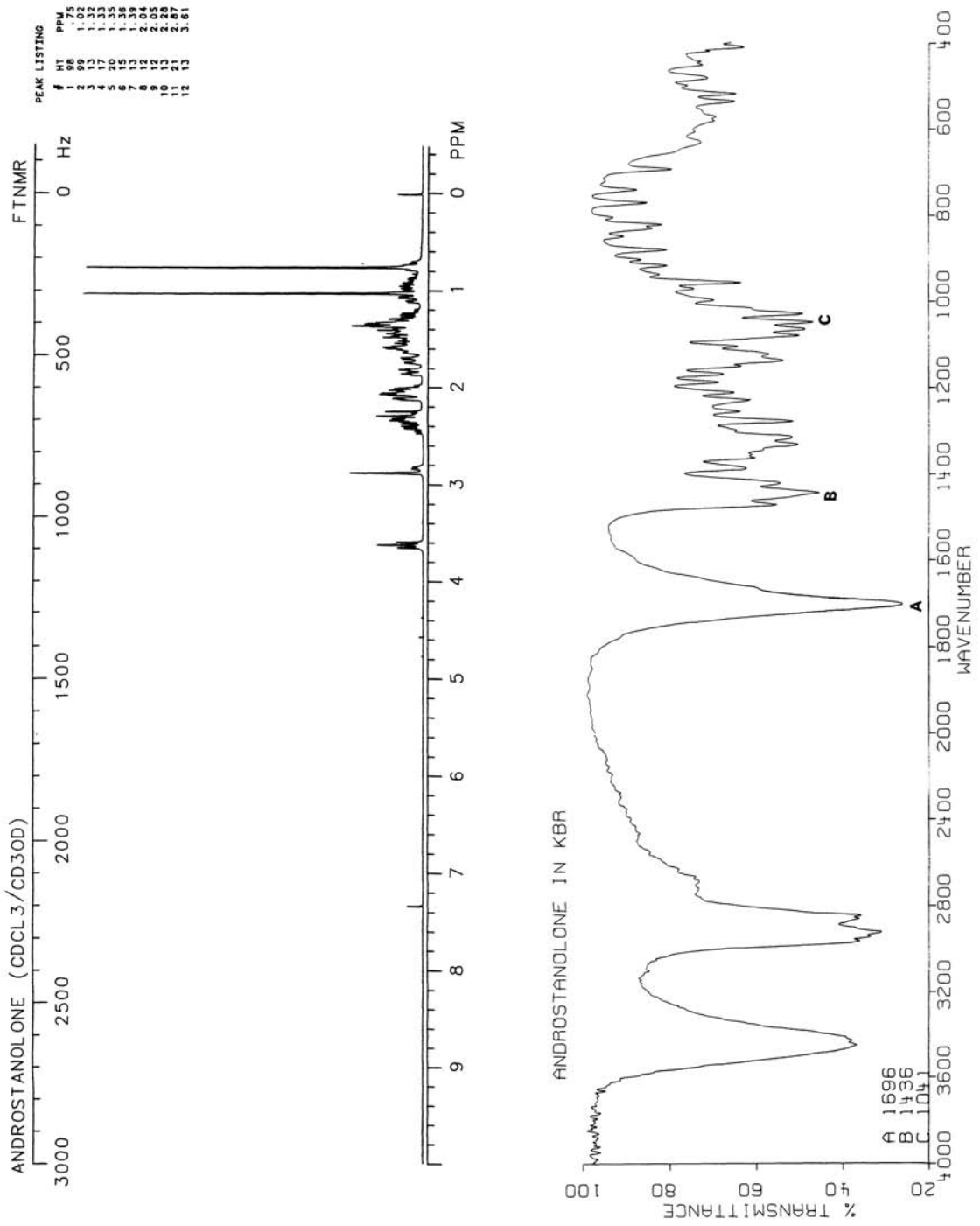
Molecular weight: 290.43 (290.23)

Synonyms: 17-Hydroxyandrostan-3-one; 5α-androstane-17β-ol-3-one; stanolone
Trade names: Anaboleen, Anabolex, Anaprotin, Andractim, Androlone, Apeton, Cristerone, Neodrol, Proteina, Protona, Stanaprol
Use: Androgen
HPLC: 70A:30B; 5.0
GC: 2648; 280°







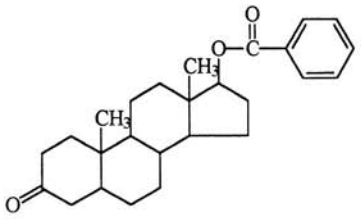

ANDROSTANOLONE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 98 .75
2 98 1.02
3 13 1.32
4 17 1.33
5 20 1.35
6 15 1.38
7 13 1.39
8 12 2.04
9 12 2.05
10 13 2.28
11 21 2.87
12 13 3.61
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
ANDROSTANOLONE IN KBR
A 1696
B 1436
C 1041
A
B
C
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

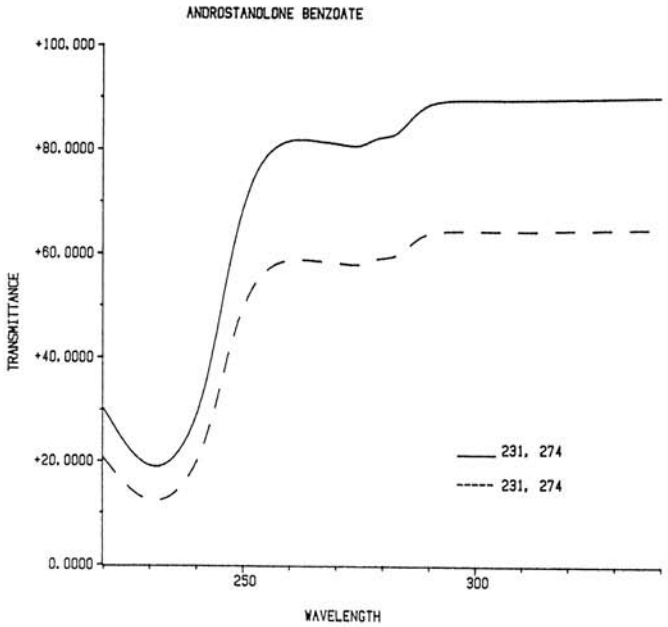
ANDROSTANOLONE BENZOATE

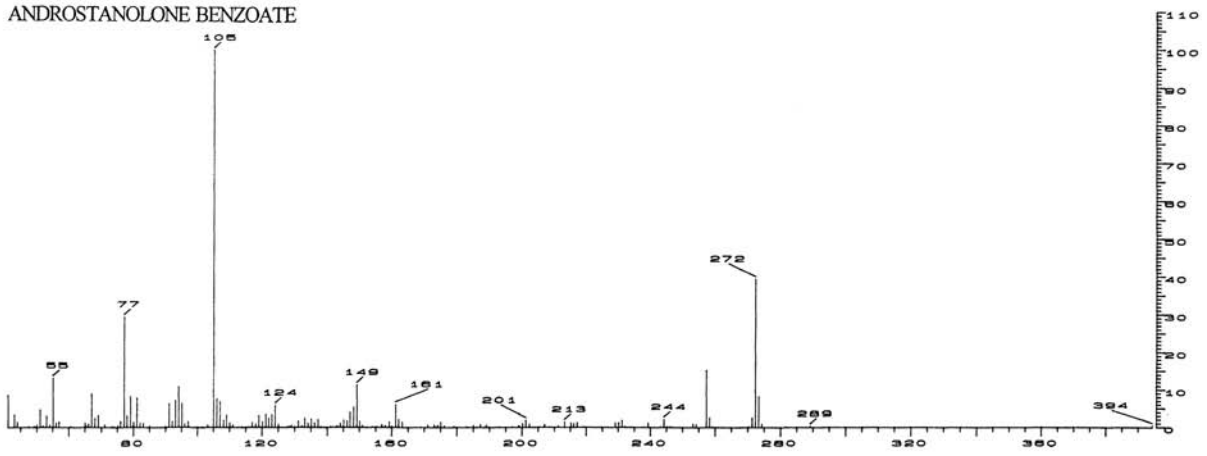
$C_{26}H_{34}O_3$

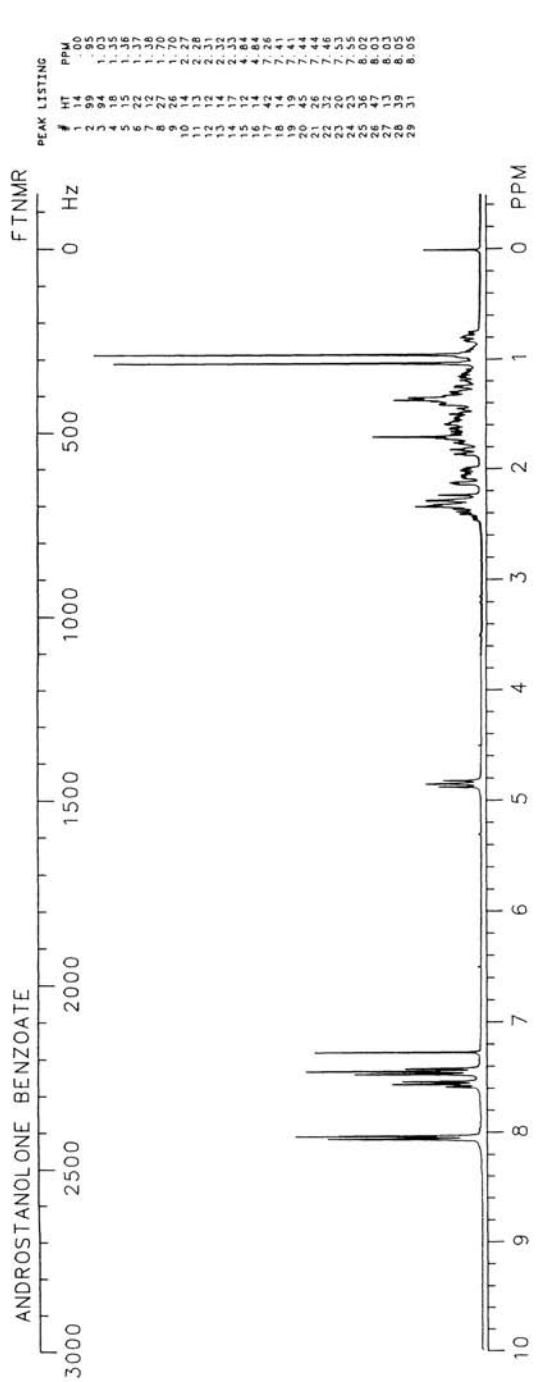
Molecular Weight: 394.55 (394.25)
Synonyms: 5α-Androstan-17β-ol-3-one benzoate; dihydrotestosterone benzoate; stanolone benzoate
Trade Names:
Use: Anabolic

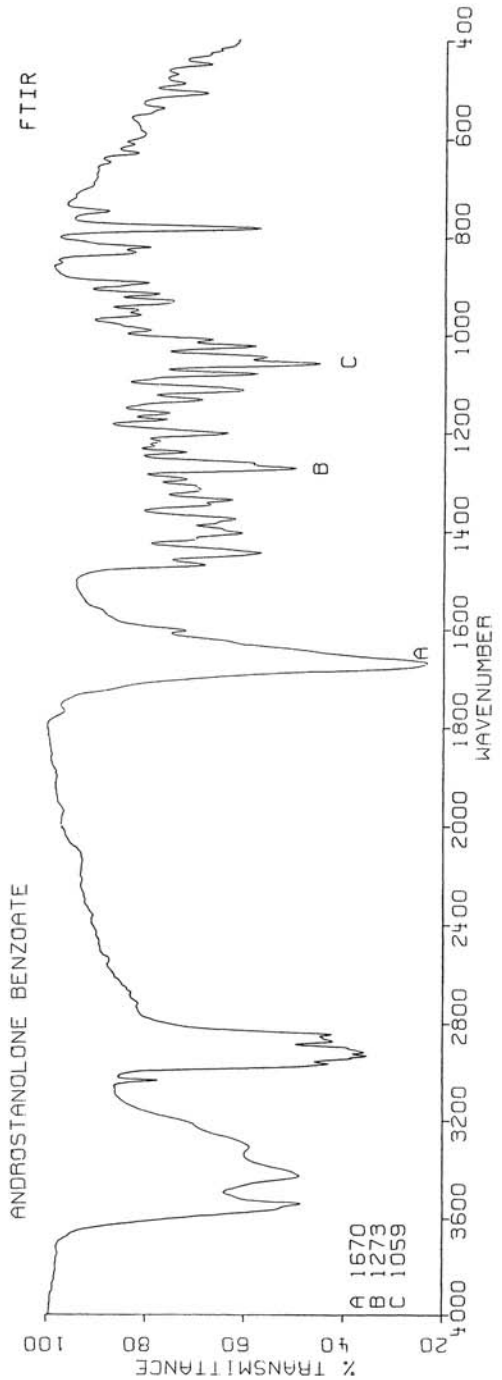
HPLC: Methanol: 4.2
GC: 3298; 280°








FTNMR
ANDROSTANOLONE BENZOATE
PEAK LISTING
HT PPM
1 14 0.00
2 99 0.95
3 94 1.03
4 18 1.35
5 15 1.36
6 22 1.37
7 12 1.38
8 27 1.70
9 26 1.70
10 14 2.27
11 13 2.28
12 11 2.31
13 12 2.32
14 17 2.33
15 12 4.84
16 14 4.84
17 42 7.26
18 14 7.41
19 9 7.41
20 45 7.44
21 26 7.44
22 32 7.46
23 20 7.53
24 23 7.55
25 46 8.02
26 47 8.02
27 13 8.03
28 39 8.05
29 31 8.05
Hz
PPM


FTIR
ANDROSTANOLONE BENZOATE
A 1670
B 1273
C 1059
A
B
C
% TRANSMITTANCE
WAVENUMBER

ANDROSTENEDIOL

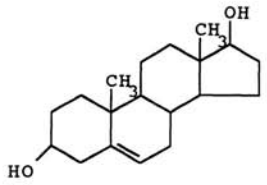
$C_{19}H_{30}O_2$

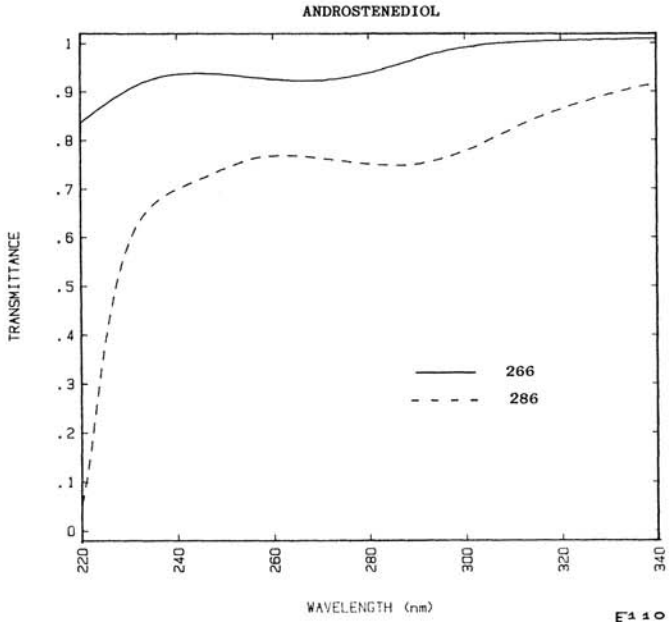
Molecular weight: 290.43 (290.23)

Synonyms: Androst-5-ene-3β,17β -diol; 5α -androstene-3 β,17 β -diol

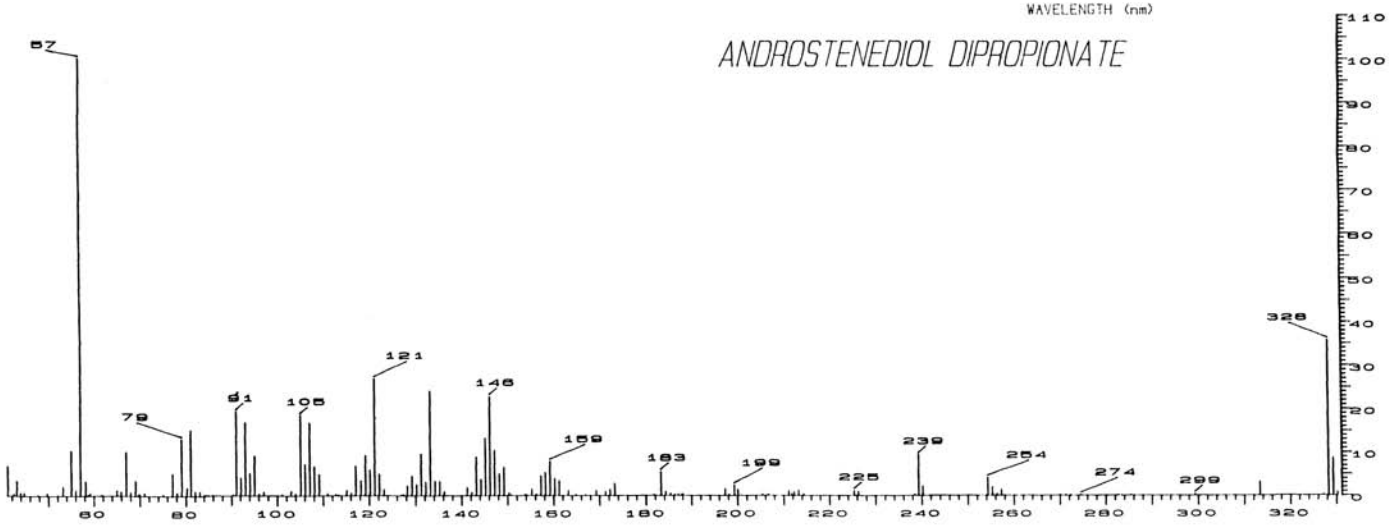
Trade names:

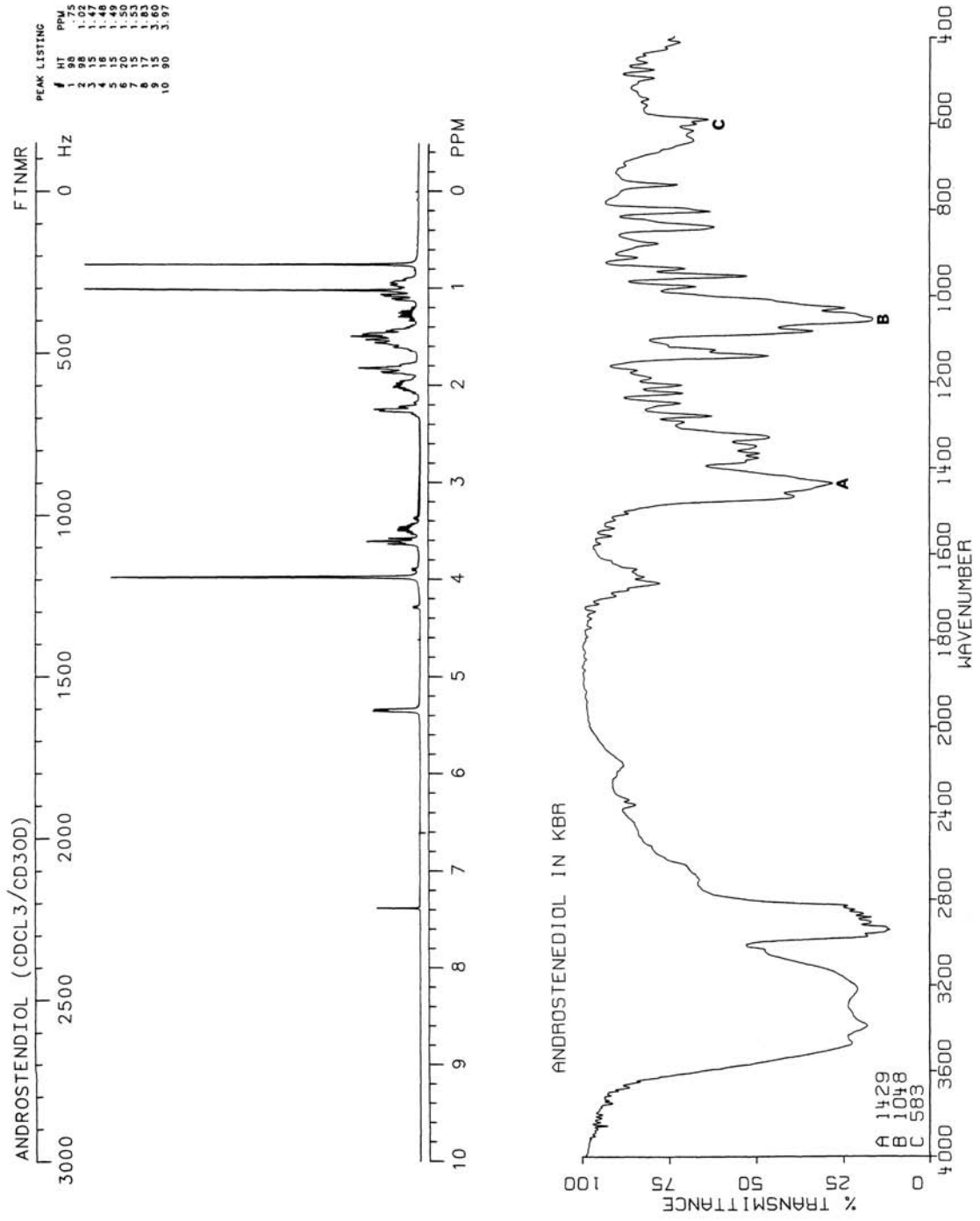
Use: Anabolic
HPLC: 70A:30B; 3.8
GC: 2613; 280°





ANDROSTENEDIOL DIPROPIONATE




ANDROSTENDIOL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 98 .75
2 88 1.02
3 15 1.47
4 18 1.48
5 15 1.49
6 20 1.50
7 15 1.53
8 17 1.83
9 15 3.60
10 90 3.97
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANDROSTENEDIOL IN KBR
A 1429
B 1048
C 583
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

ANDROSTENEDIOL–3–ACETATE

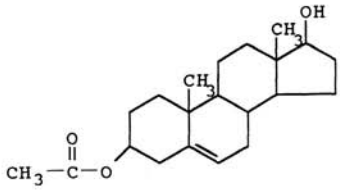
$C_{21}H_{32}O_3$

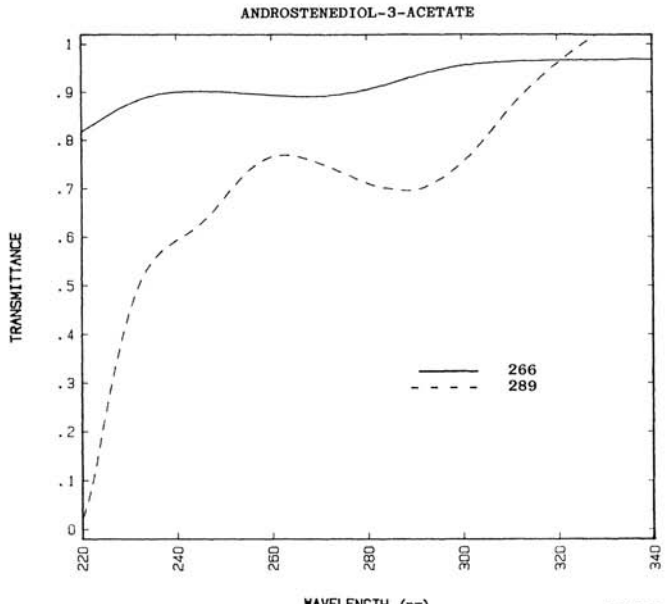
Molecular weight: 332.50 (332.24)

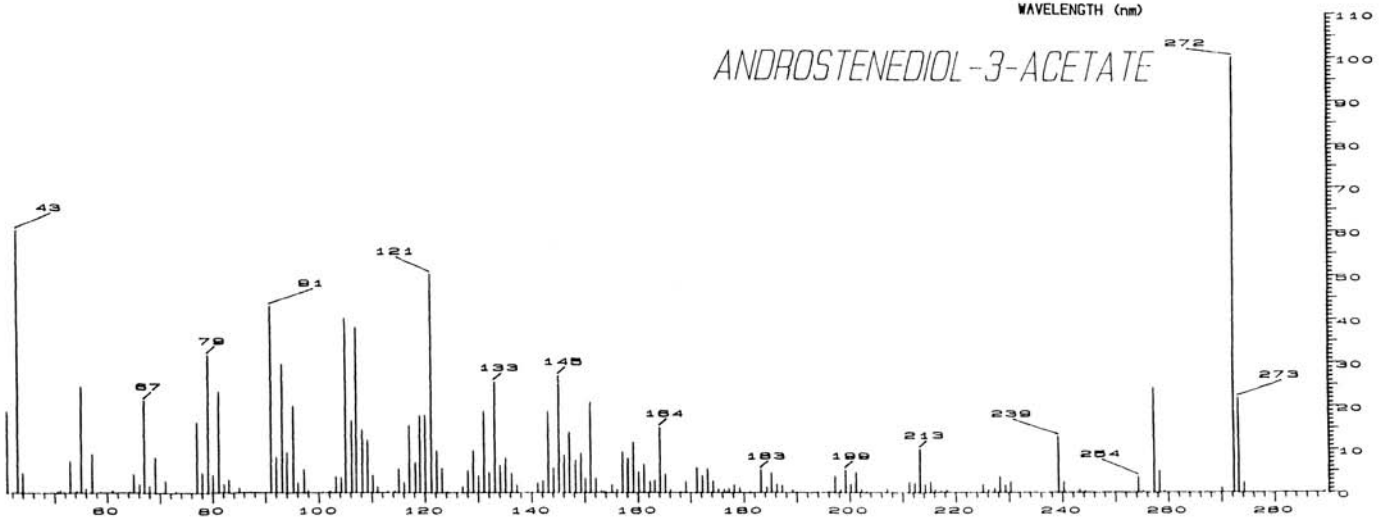
Synonyms: 5-androstene-3 β,17β -diol-3-acetate

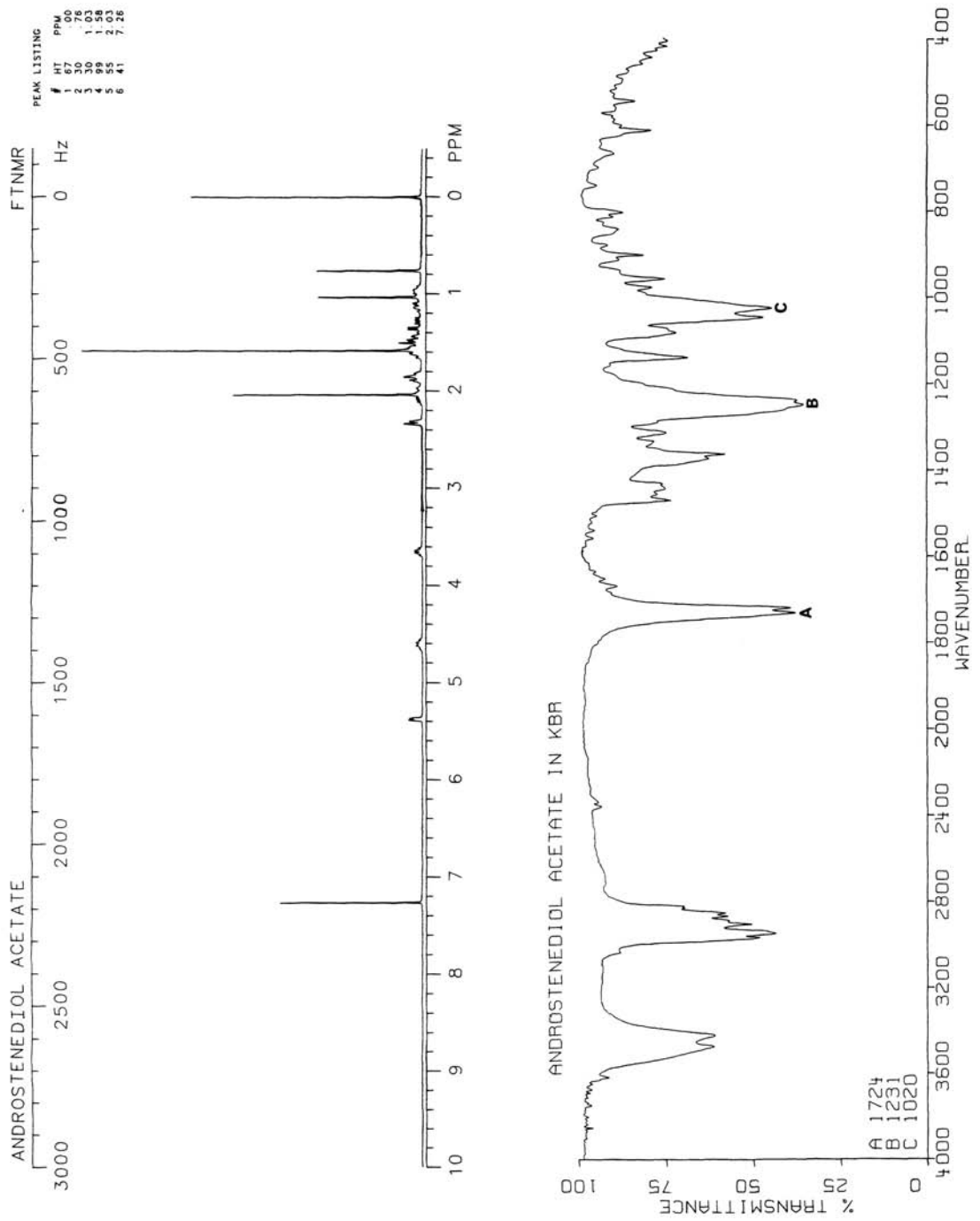
Trade names:

Use: Anabolic
HPLC: 90A:10B; 2.4
GC: 2732; 280°








ANDROSTENEDIOL ACETATE
FTNMR
PEAK LISTING
HT PPM
1 67 .00
2 30 .76
3 30 1.03
4 99 1.58
5 55 2.03
6 41 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANDROSTENEDIOL ACETATE IN KBR
A 1724
B 1231
C 1020
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

ANDROSTENEDIOL ACETATE BENZOATE

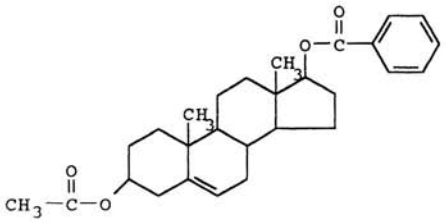
$C_{28}H_{36}O_4$

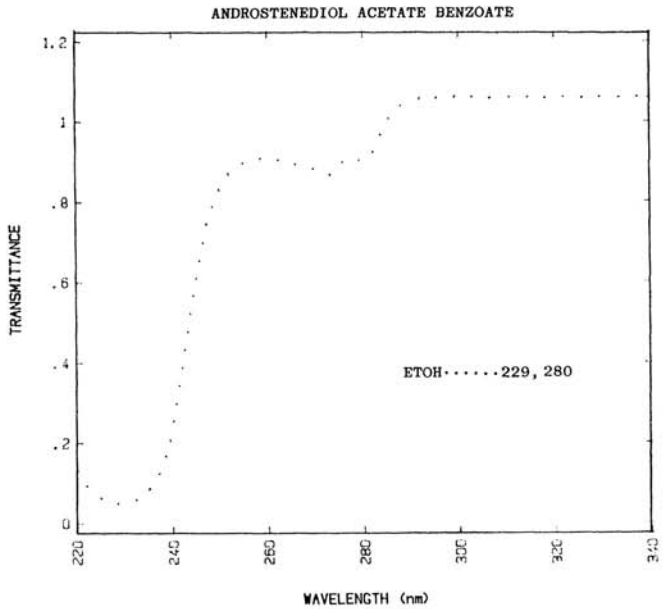
Molecular weight: 436.60 (436.26)

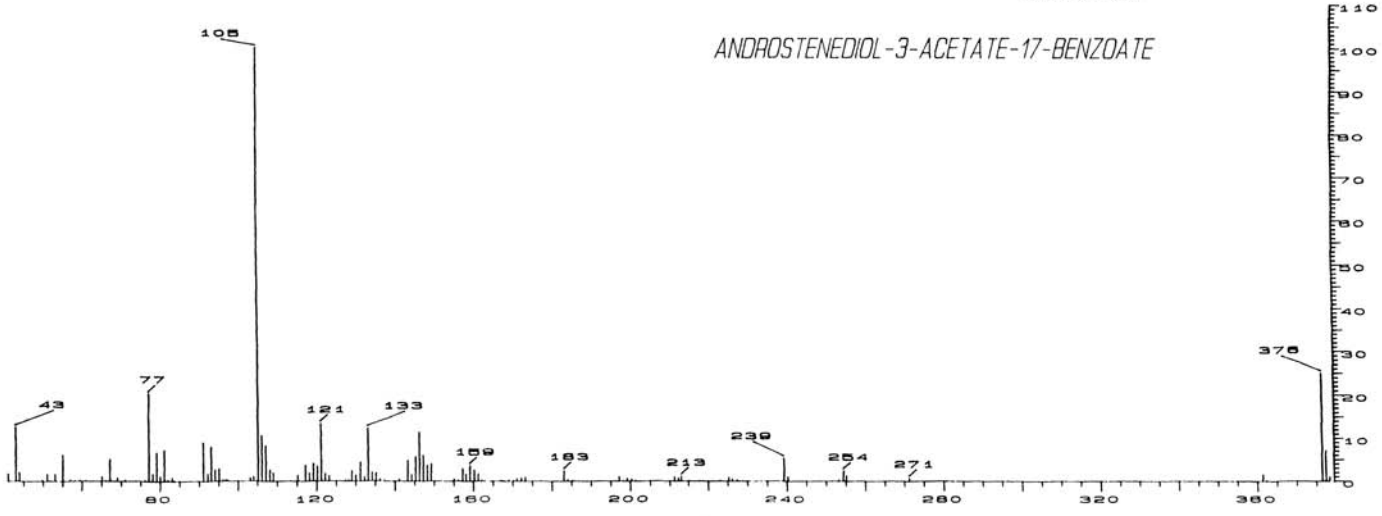
Synonyms: 5 α-Androstene-3,β 17β-diol-3-acetate-17-benzoate

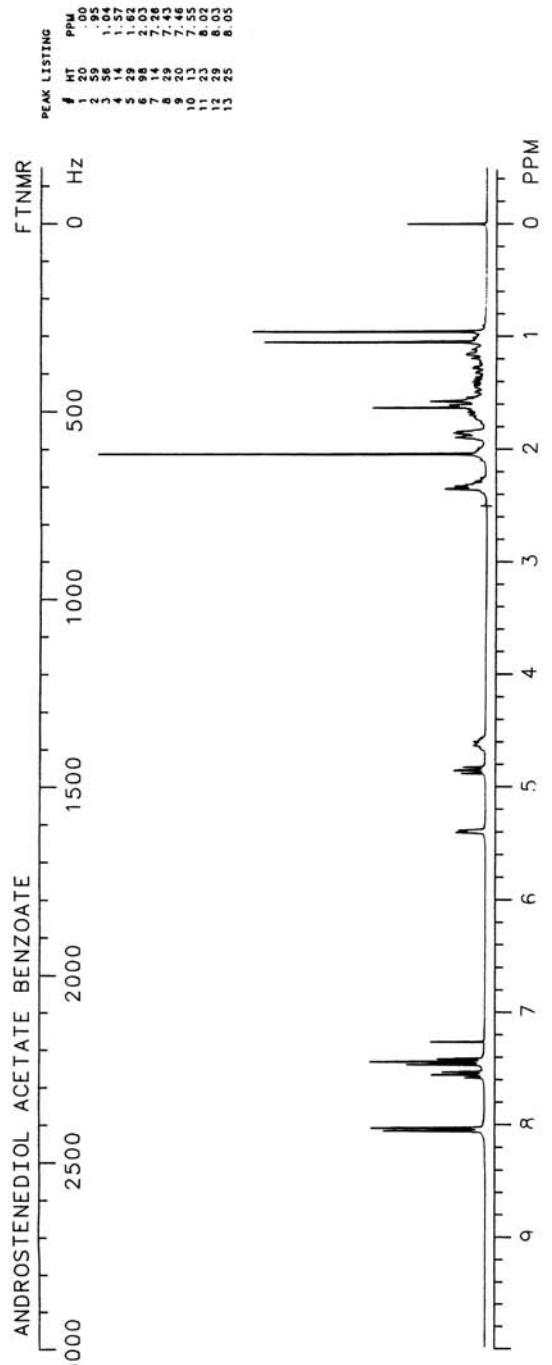
Trade names:

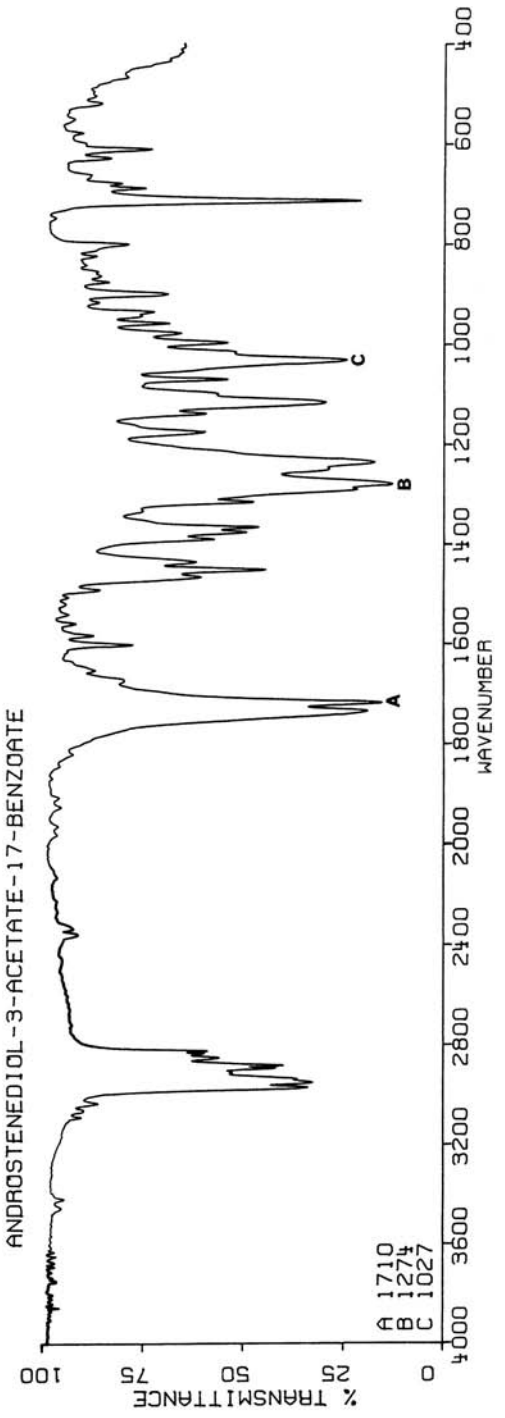
Use: Anabolic
HPLC: 100A; 4.6
GC: 3476; 280°








ANDROSTENEDIOL ACETATE BENZOATE
FTNMR
PEAK LISTING
HT PPM
1 20 8.05
2 59 8.03
3 96 8.02
4 14 7.55
5 29 7.46
6 98 7.43
7 14 7.28
8 29 2.03
9 20 1.62
10 13 1.57
11 23 1.04
12 29 .95
13 25 .00
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


ANDROSTENEDIOL-3-ACETATE-17-BENZOATE
A 1710
B 1274
C 1027
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

ANDROSTENEDIOL BENZOATE

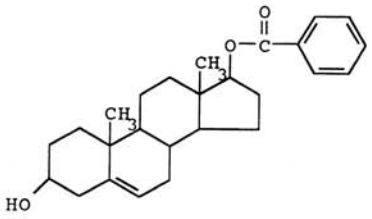
$C_{26}H_{34}O_3$

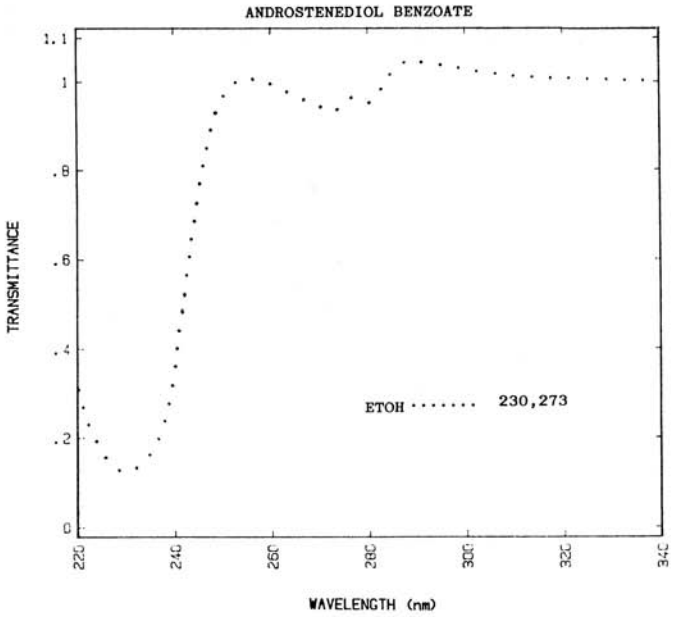
Molecular weight: 394.60 (394.25)

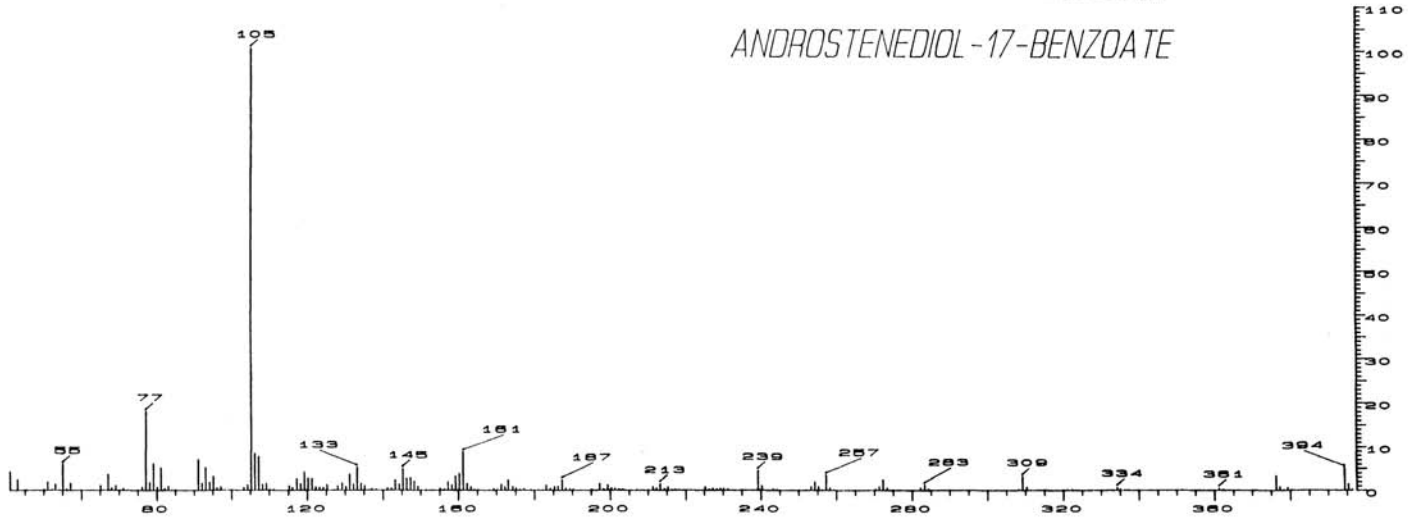
Synonyms: Androst-5-ene-3β ,17β -diol-17-benzoate

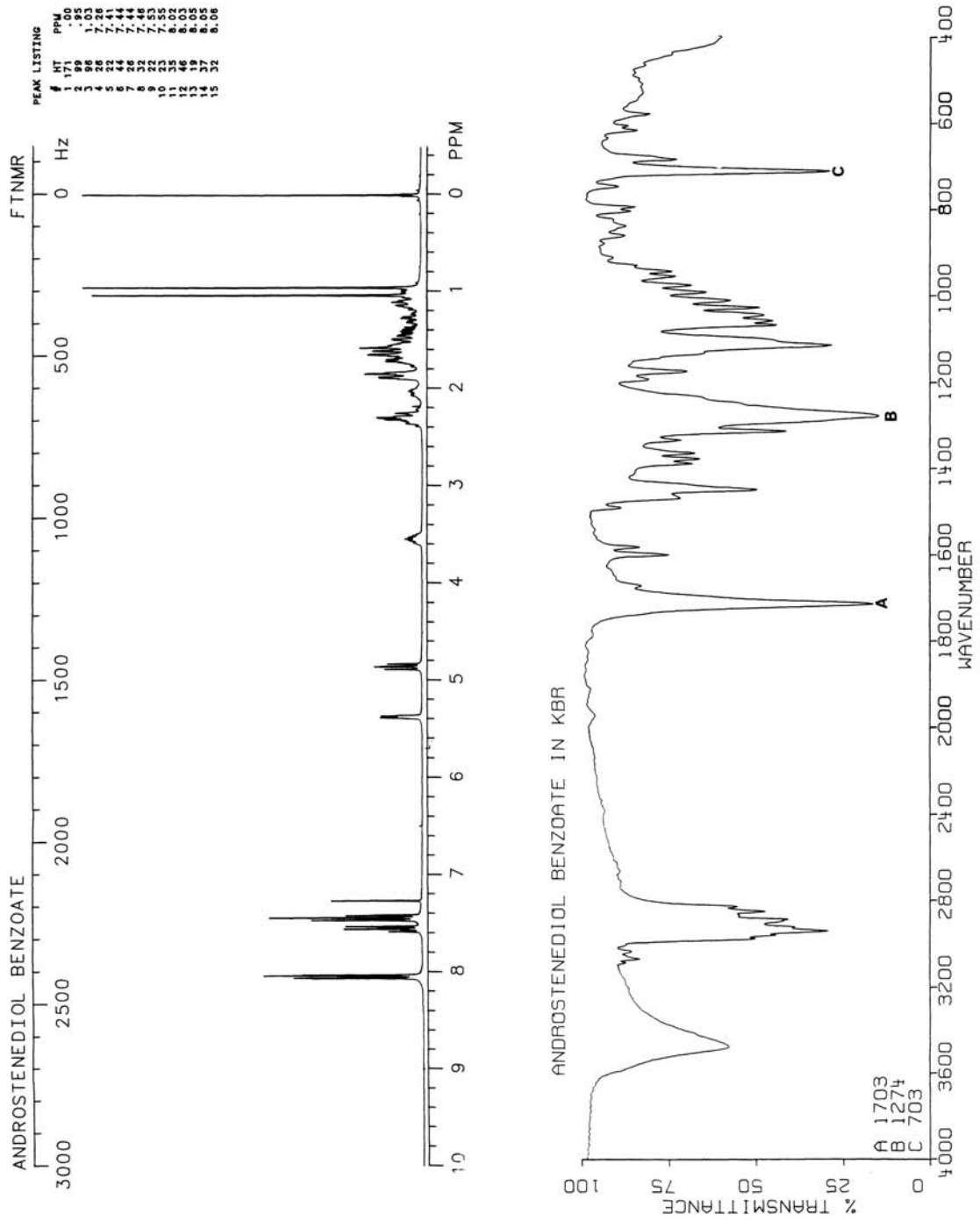
Trade names:

Use: Anabolic
HPLC: 90A:10B; 3.8
GC: 3364; 280°








ANDROSTENEDIOL BENZOATE
FTNMR
PEAK LISTING
f HT PPM
1 171 1.00
2 99 .95
3 96 1.03
4 28 7.28
5 22 7.41
6 44 7.44
7 45 7.46
8 32 7.53
9 22 7.55
10 23 8.02
11 35 8.03
12 46 8.05
13 19 8.05
14 37 8.06
15 32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANDROSTENEDIOL BENZOATE IN KBR
A 1703
B 1274
C 703
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

ANDROSTENEDIOL DIACETATE

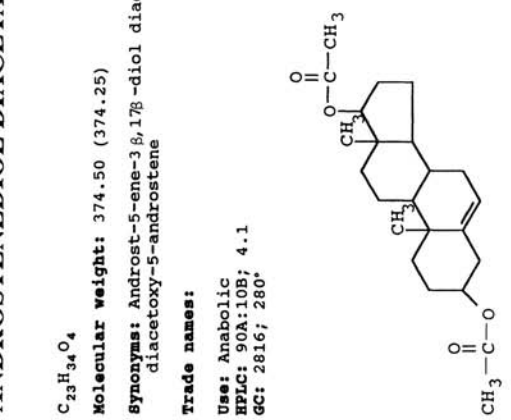
$C_{23}H_{34}O_4$

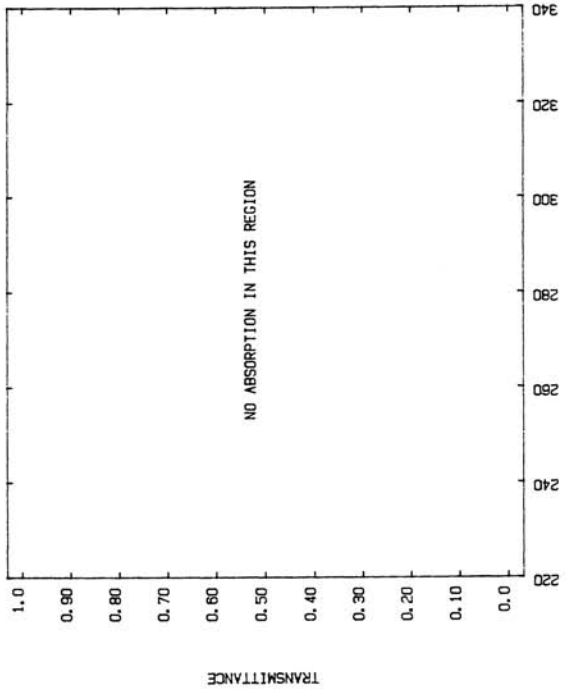
Molecular weight: 374.50 (374.25)

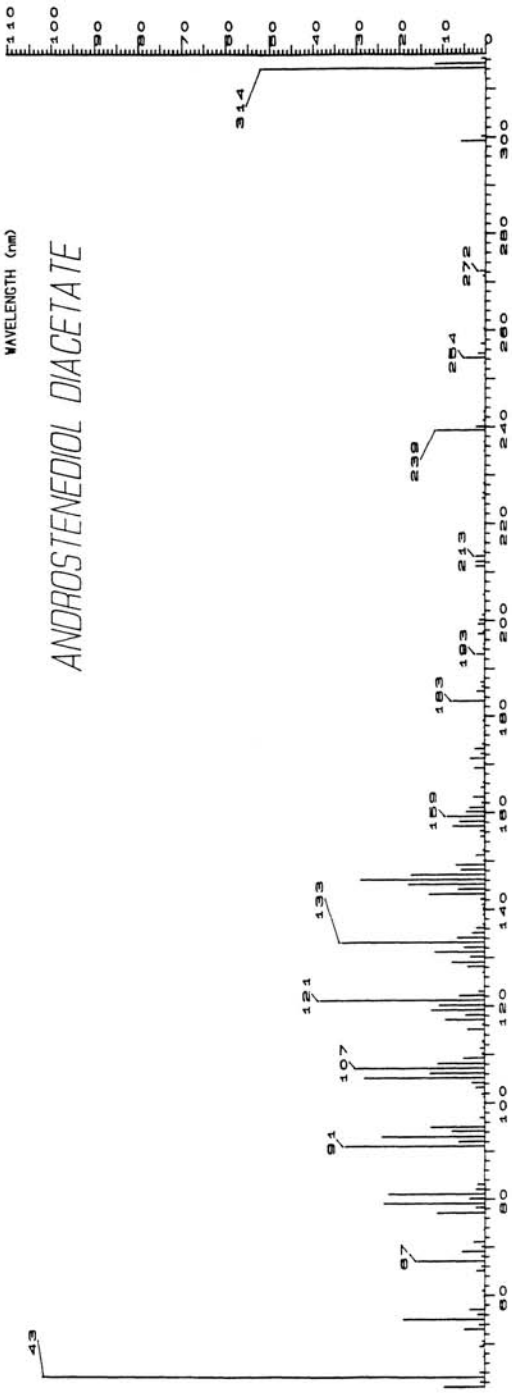
Synonyms: Androst-5-ene-3β,17β-diol diacetate; 3β ,17β-diacetoxy-5-androstene

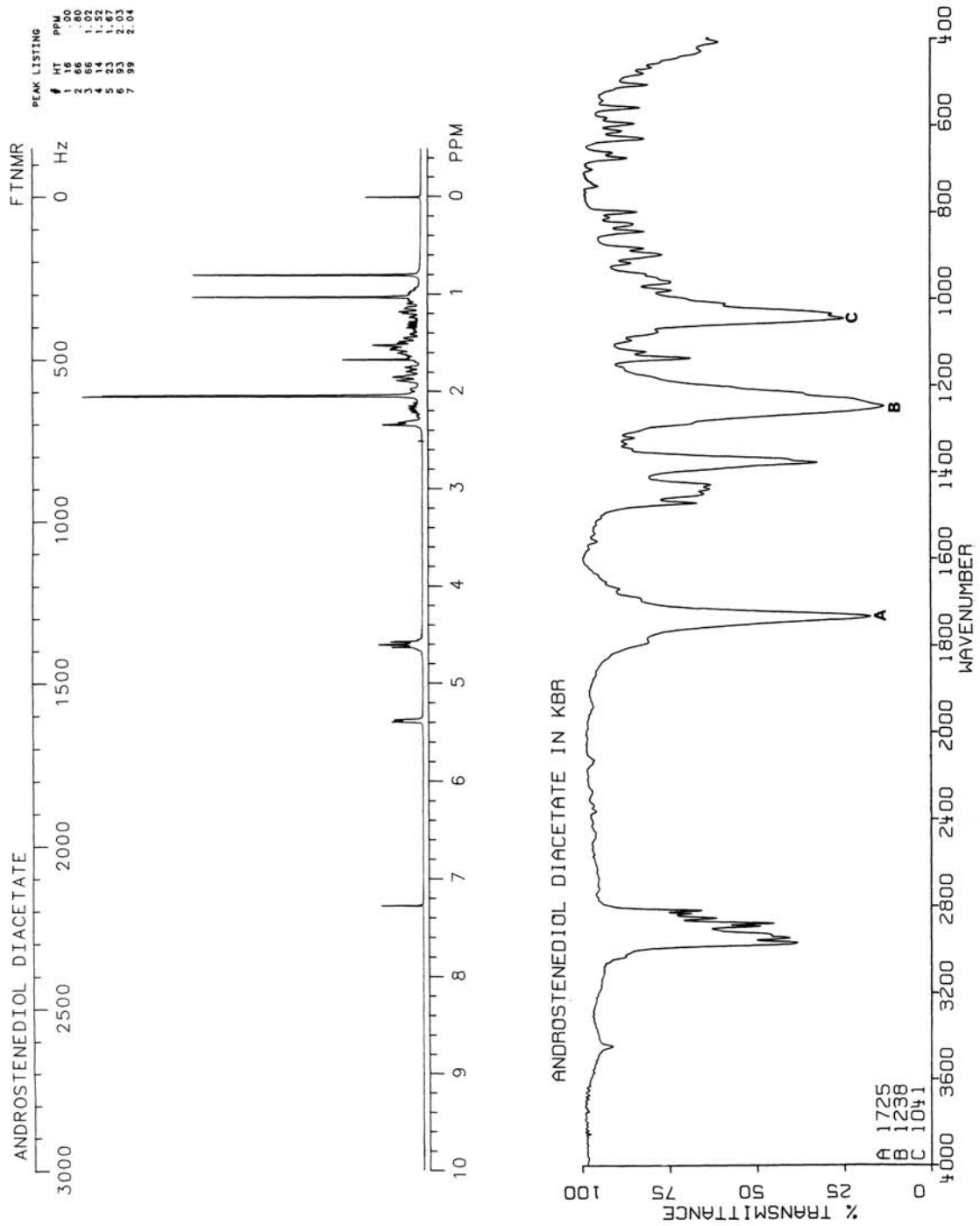
Trade names:

Use: Anabolic
HPLC: 90A:10B; 4.1
GC: 2816; 280°








ANDROSTENEDIOL DIACETATE
FTNMR
PEAK LISTING
HT PPM
1 16 .00
2 66 .80
3 66 1.02
4 14 1.52
5 23 1.67
6 93 2.03
7 99 2.04
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANDROSTENEDIOL DIACETATE IN KBR
A 1725
B 1238
C 1041
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

ANDROSTENEDIOL DIPROPIONATE

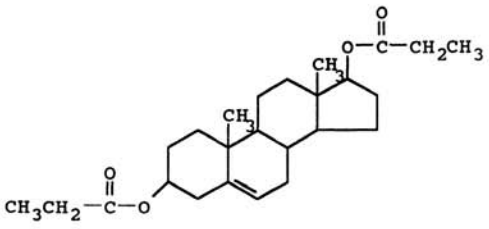
$C_{25}H_{38}O_4$

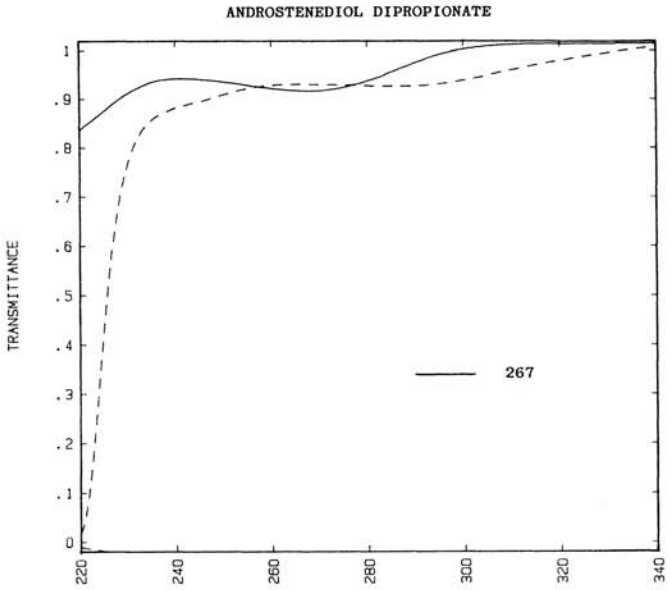
Molecular weight: 402.56 (402.28)

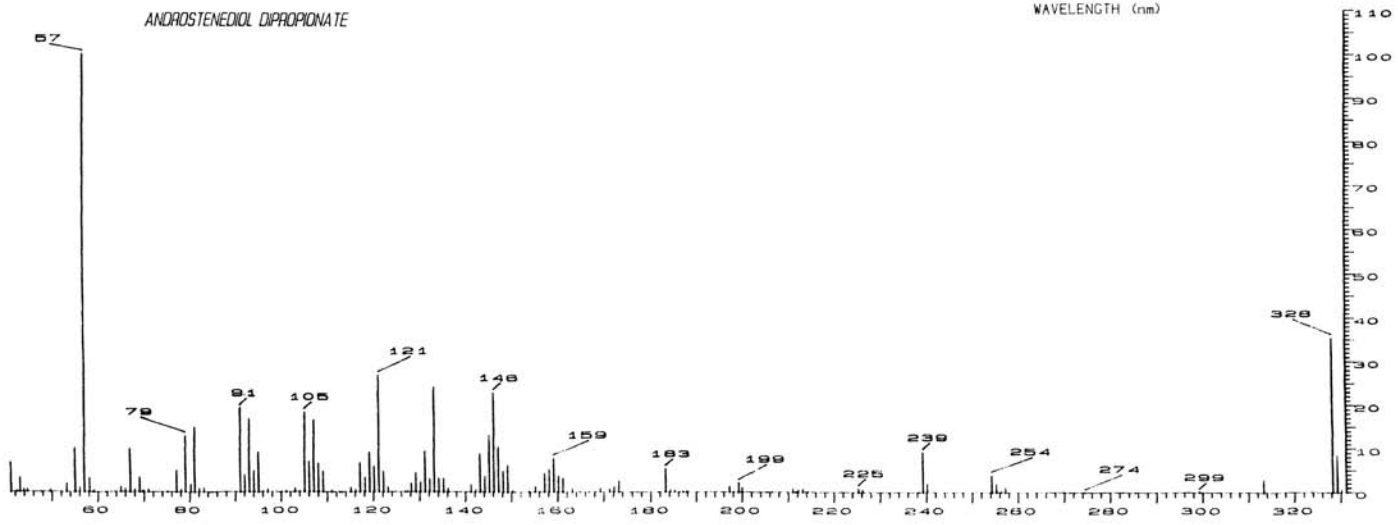
Synonyms: 5-Androstene-3β,17β-diol dipropionate

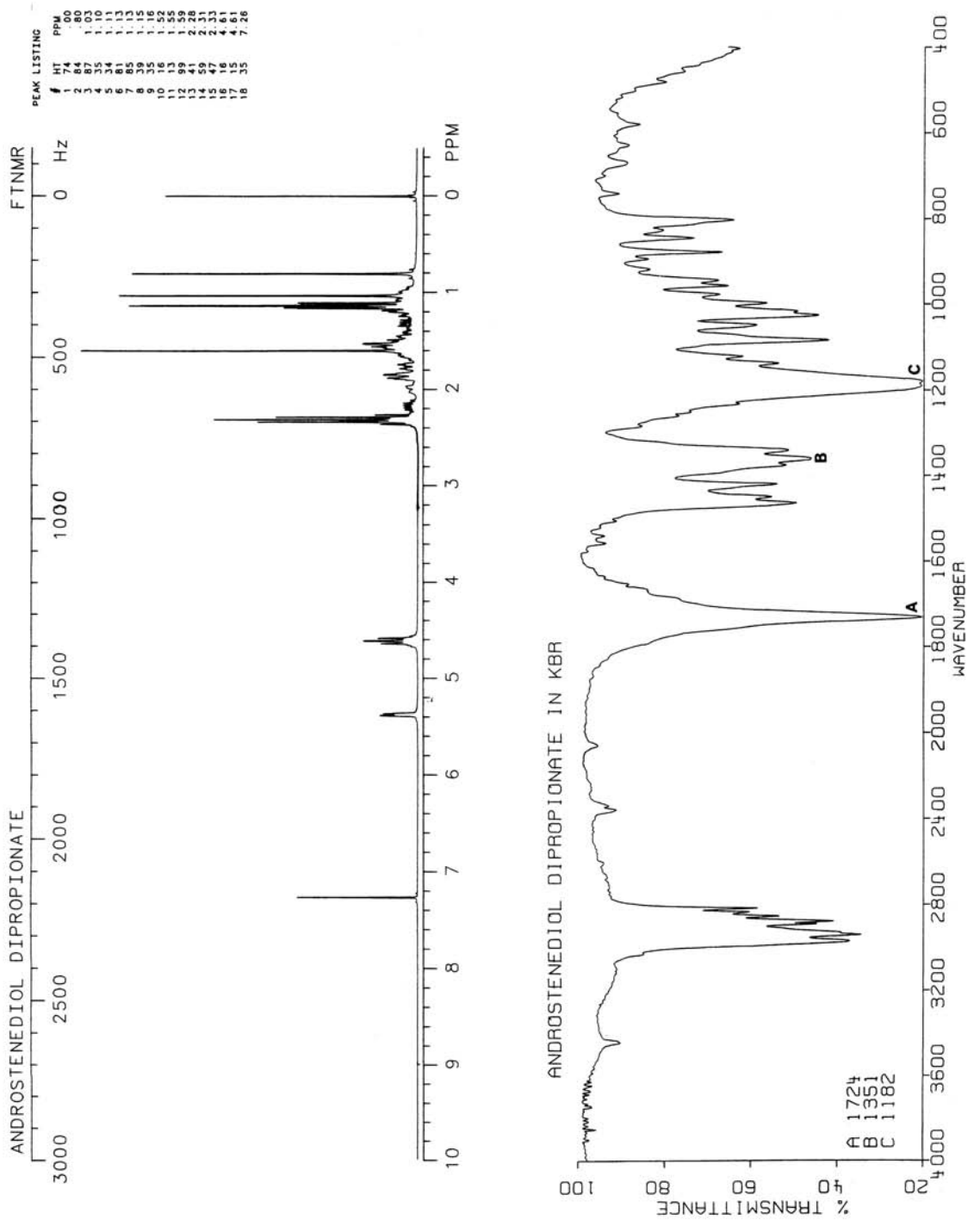
Trade names: Bisexovis, Stenandiol

Use: Anabolic
HPLC: 90A:10B; 6.7
GC: 3013; 280°








ANDROSTENEDIOL DIPROPIONATE
FTNMR
PEAK LISTING
HT PPM
1 74 .00
2 84 .80
3 87 1.03
4 35 1.10
5 34 1.11
6 81 1.13
7 85 1.15
8 39 1.16
9 35 1.52
10 16 1.55
11 13 1.59
12 99 2.28
13 41 2.31
14 59 2.33
15 47 4.61
16 16 4.61
17 15 7.26
18 35
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANDROSTENEDIOL DIPROPIONATE IN KBR
A 1724
B 1351
C 1182
A
B
C
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

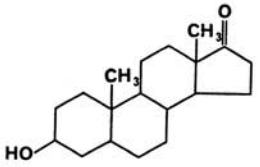
ANDROSTERONE

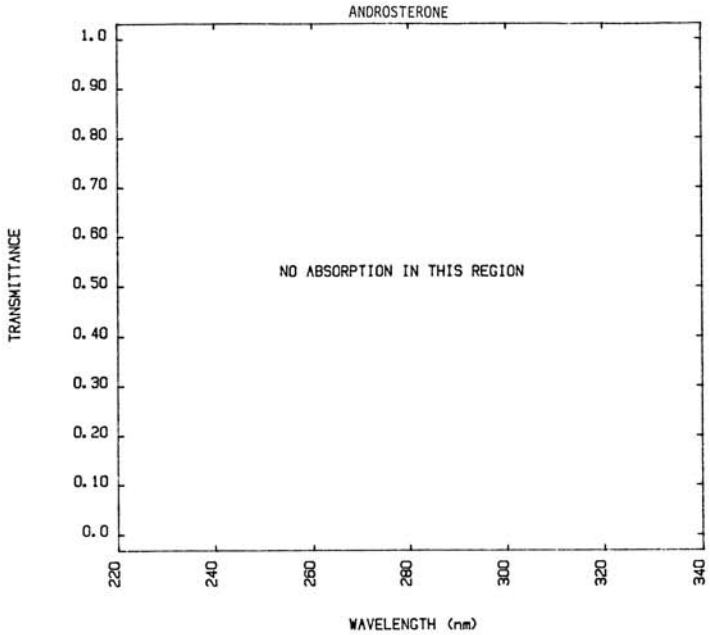
$C_{19}H_{30}O_2$

Molecular weight: 290.43 (290.23)
Synonyms: 3α-Hydroxy-5α-androstan-17-one; cis-androsterone

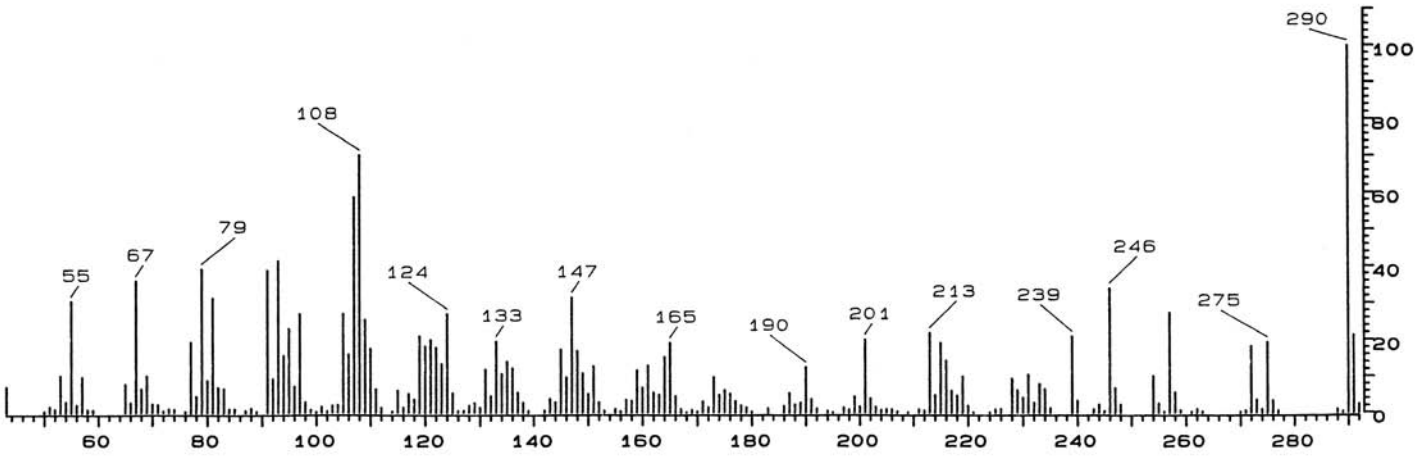
Trade names:

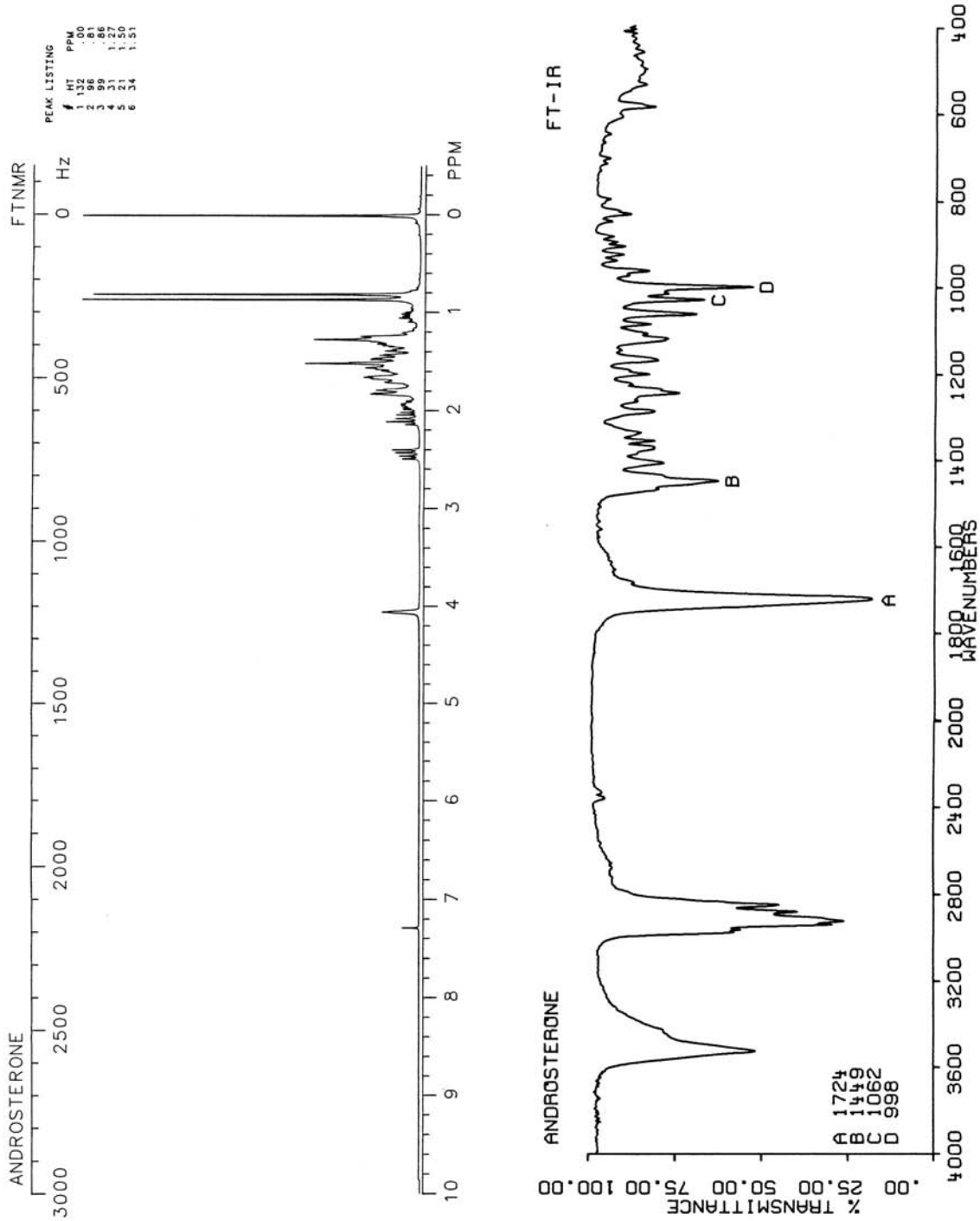
Use: Steroid
HPLC:
GC: 2553; 250°C





ANDROSTERONE




FTNMR
ANDROSTERONE
PEAK LISTING
HT PPM
1 132 .00
2 96 .81
3 99 .66
4 21 1.27
5 21 1.50
6 34 1.51
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
ANDROSTERONE
A 1724
B 1449
C 1062
D 998
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

ANDROSTERONE ACETATE

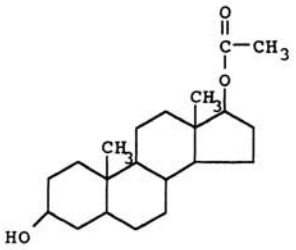
$C_{21}H_{32}O_3$

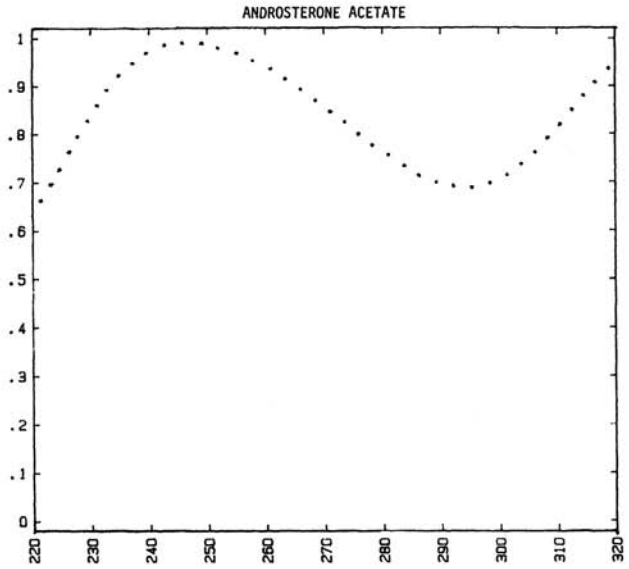
Molecular weight: 332.48 (332.24)

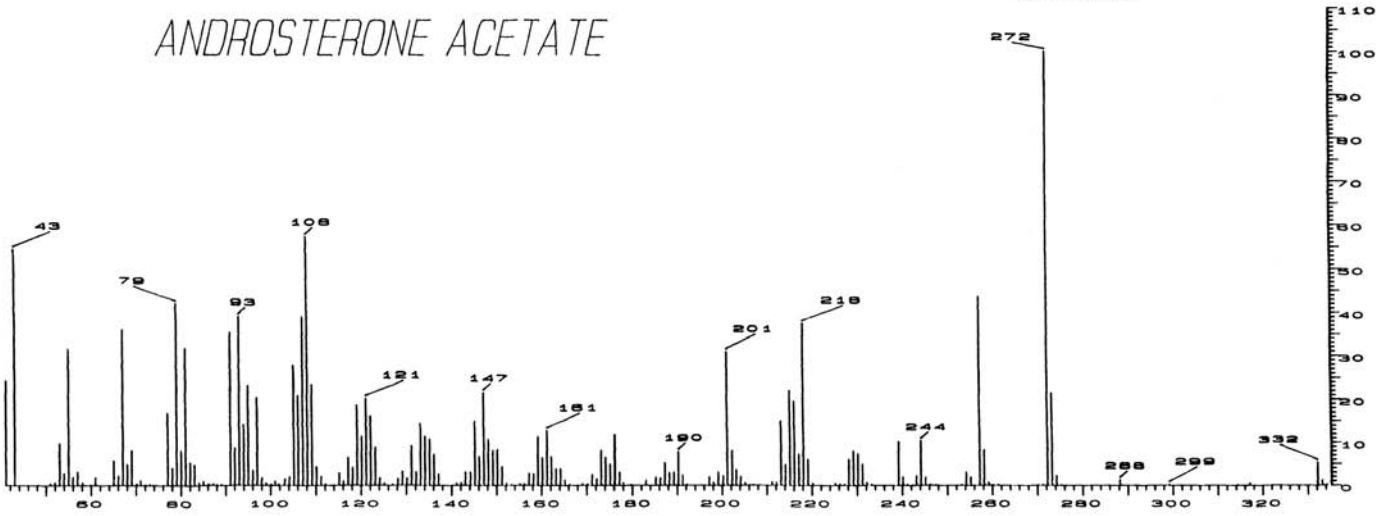
Synonyms: 3α-Hydroxy-5α-androstan-17-one-3-acetate

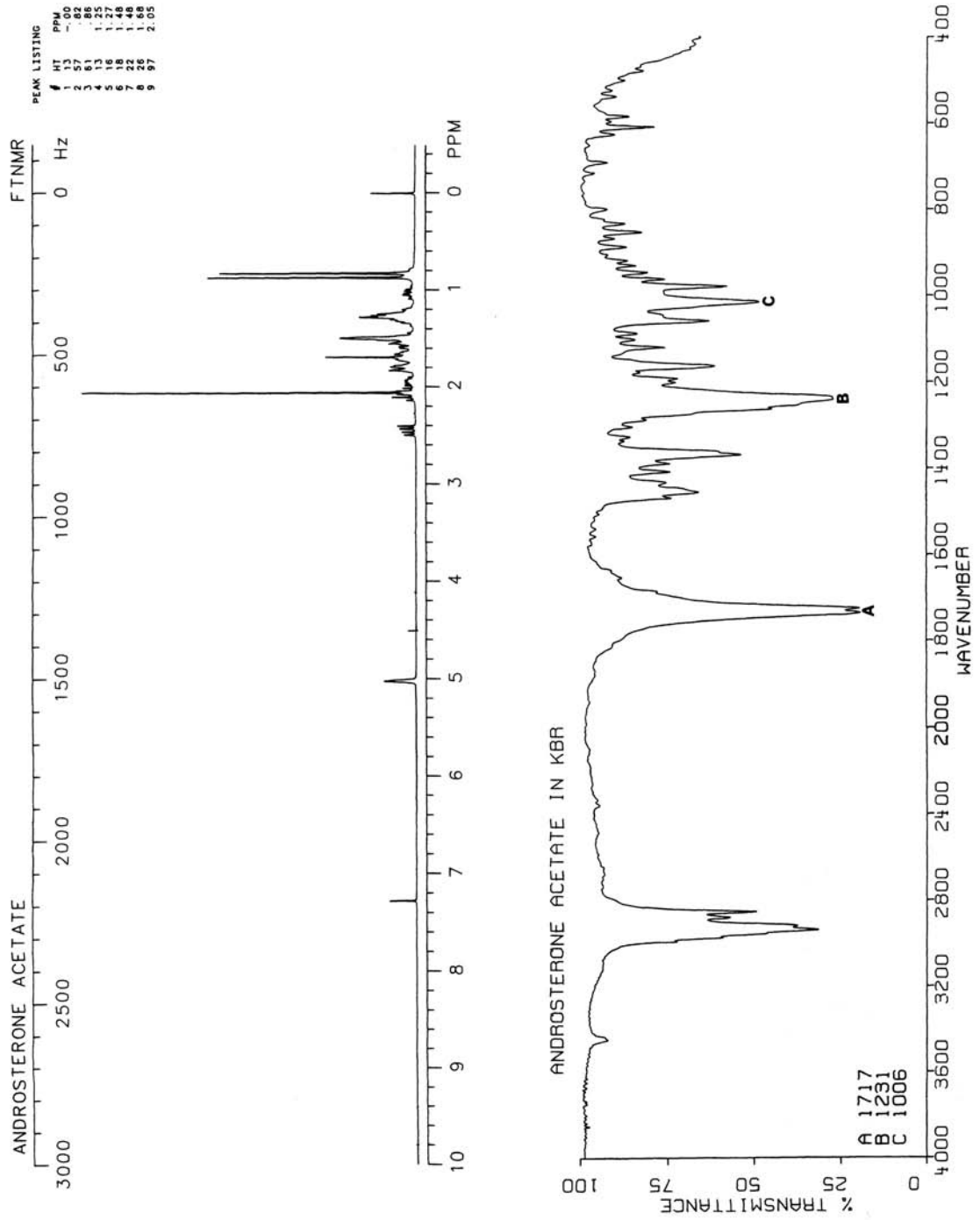
Trade names:

Use: Anabolic
HPLC: 90A:10B; 2.4
GC: 2600; 280°







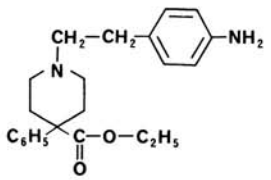

ANDROSTERONE ACETATE
FTNMR
PEAK LISTING
HT PPM
1 13 7.00
2 57 1.82
3 61 1.86
4 13 1.25
5 16 1.27
6 18 1.46
7 22 1.48
8 26 1.68
9 97 2.05
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANDROSTERONE ACETATE IN KBR
A 1717
B 1231
C 1006
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

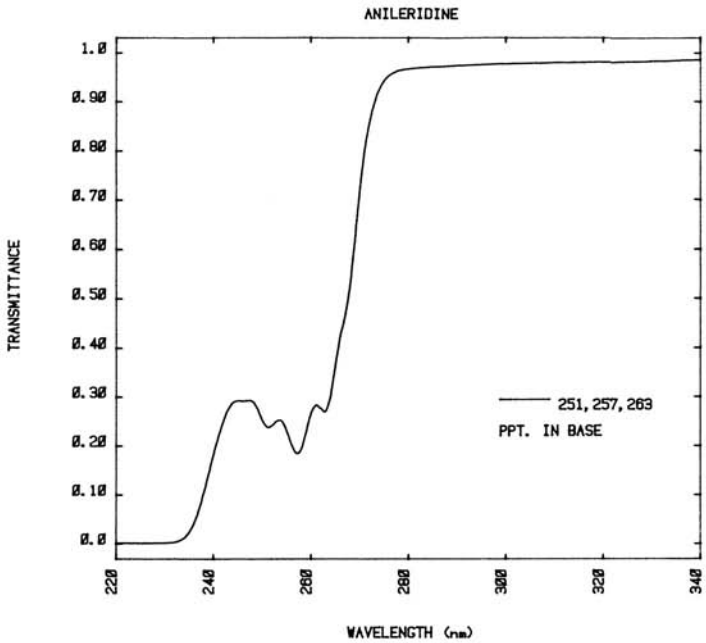
ANILERIDINE

$C_{22}H_{28}N_2O_2$

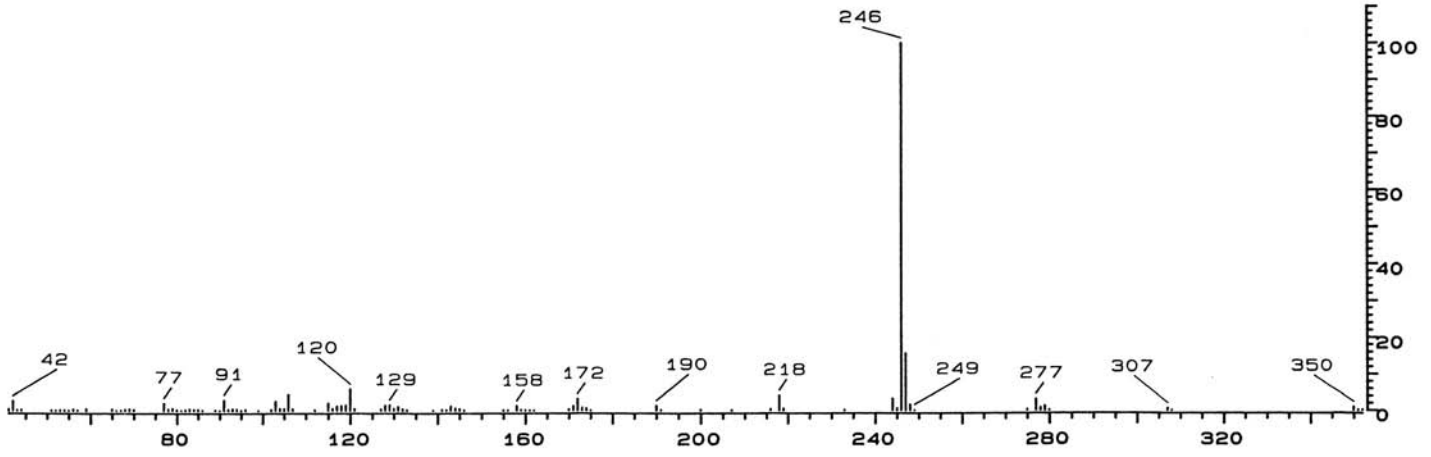
Molecular weight: 352.47 (352.22)
Synonyms: 1-[2-(4-Aminophenyl)ethyl]-4-phenyl-4-piperidine-carboxylic acid ethyl ester; N-β-(p-aminophenyl)ethylmeperidine
Trade names: Alidine, Leritine

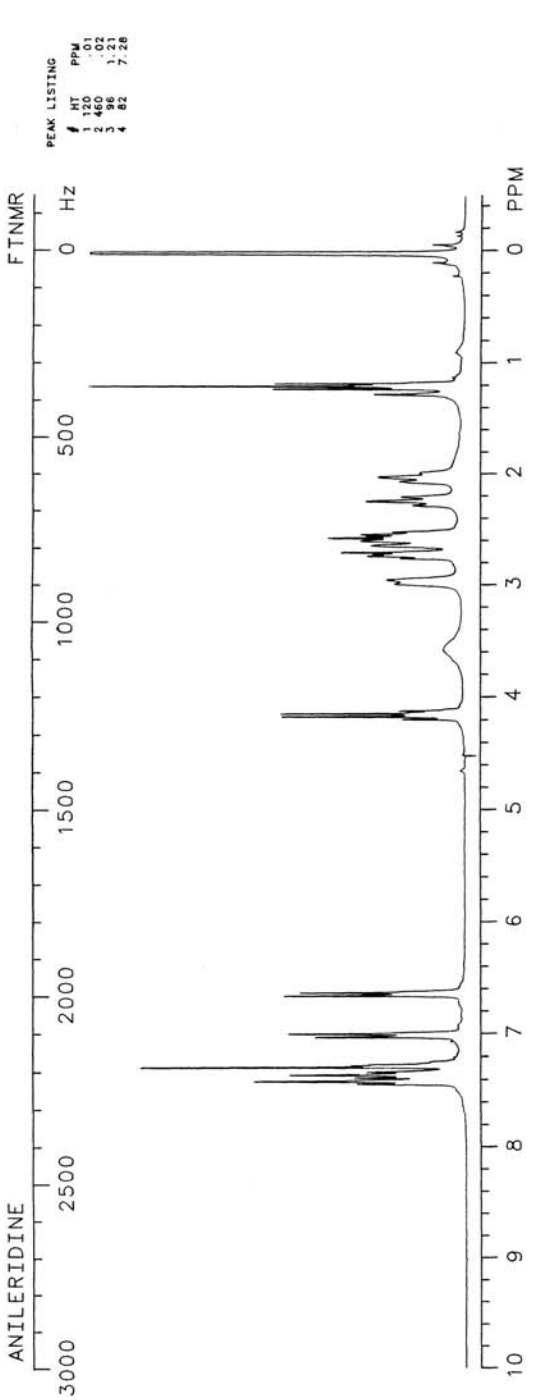
Use: Narcotic analgesic
HPLC: Si-10; 2A:98B; 10.5
GC: 2937; 280°C

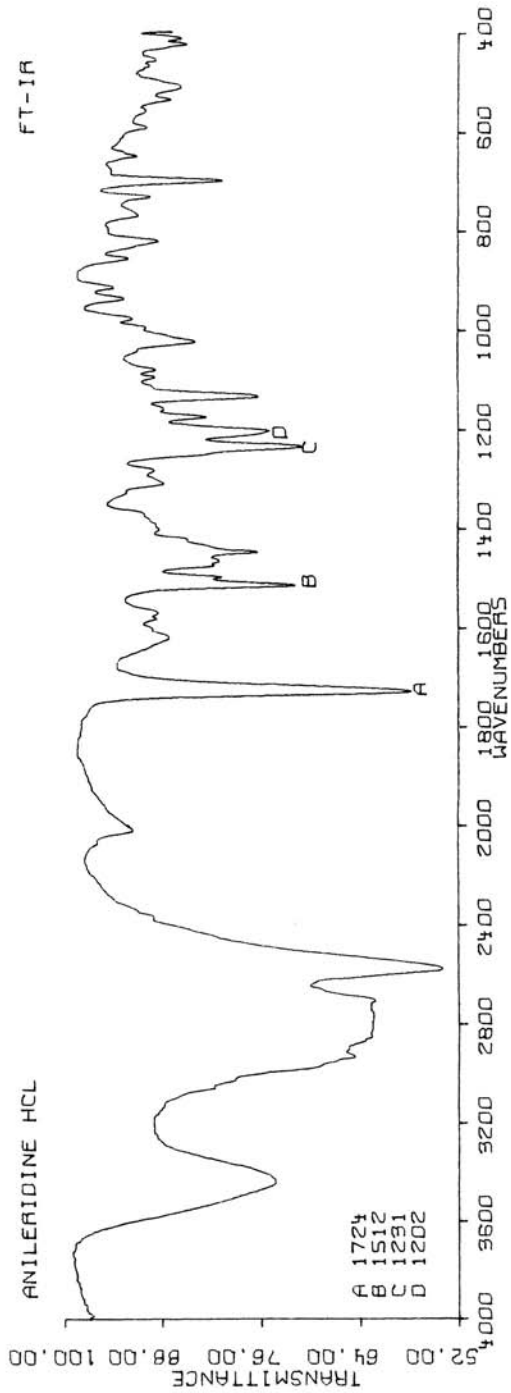




ANILERIDINE




ANILERIDINE
FTNMR
PEAK LISTING
HT PPM
1 120 .01
2 460 .02
3 96 1.21
4 82 7.28
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

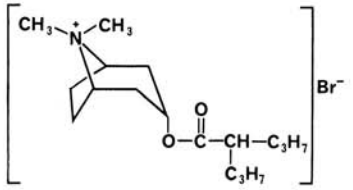

ANILERIDINE HCL
FT-IR
A 1724
B 1512
C 1231
D 1202
TRANSMITTANCE
100.00 88.00 76.00 64.00 52.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

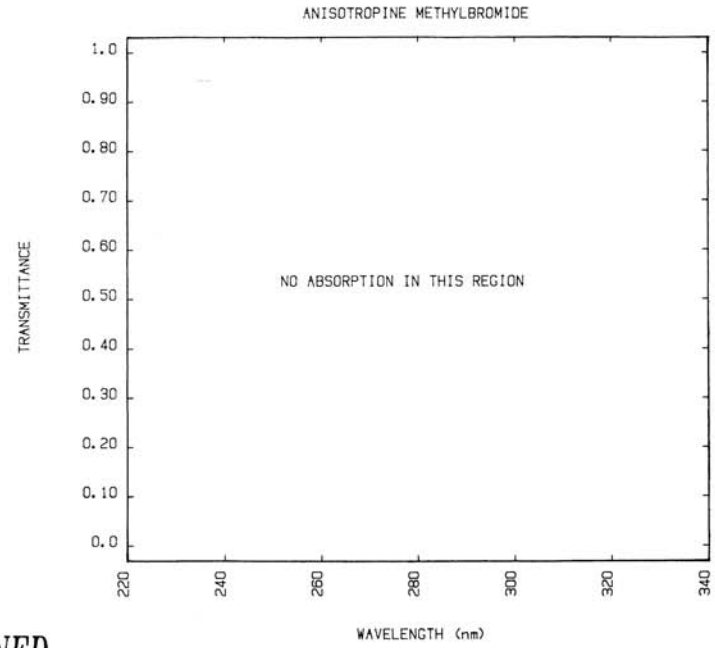
ANISOTROPINE METHYLBROMIDE

$C_{17}H_{32}BrNO_2$

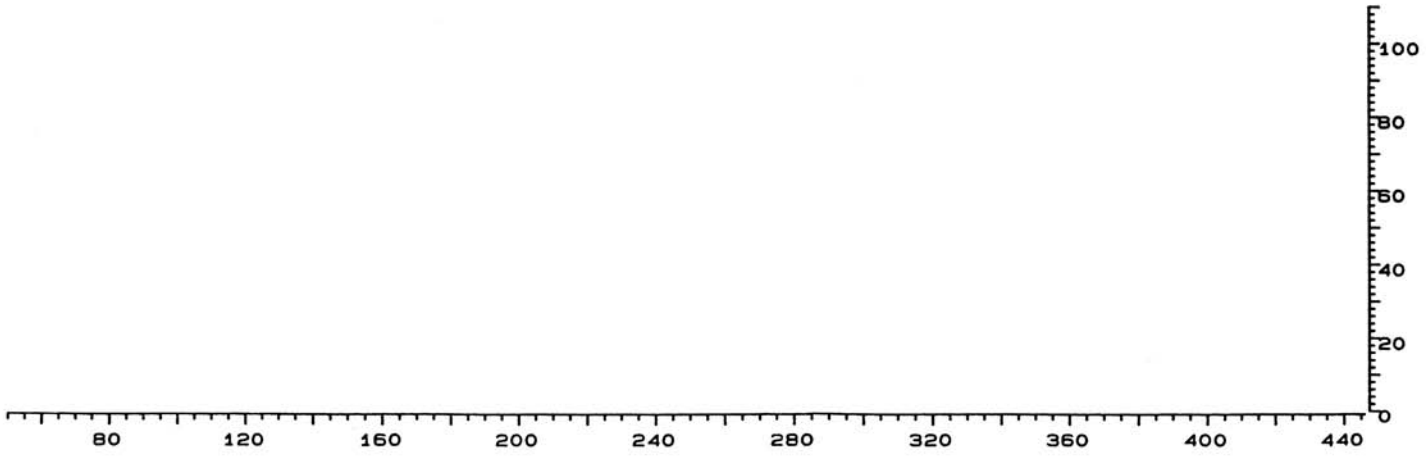
Molecular weight: 362.35 (361.16)
Synonyms: Endo-8,8-dimethyl-3-[(1-oxo-2-propylpentyl)oxy]-8-azoniabicyclo[3.2.1]octane bromide; octatropine methyl bromide
Trade names: Valpin

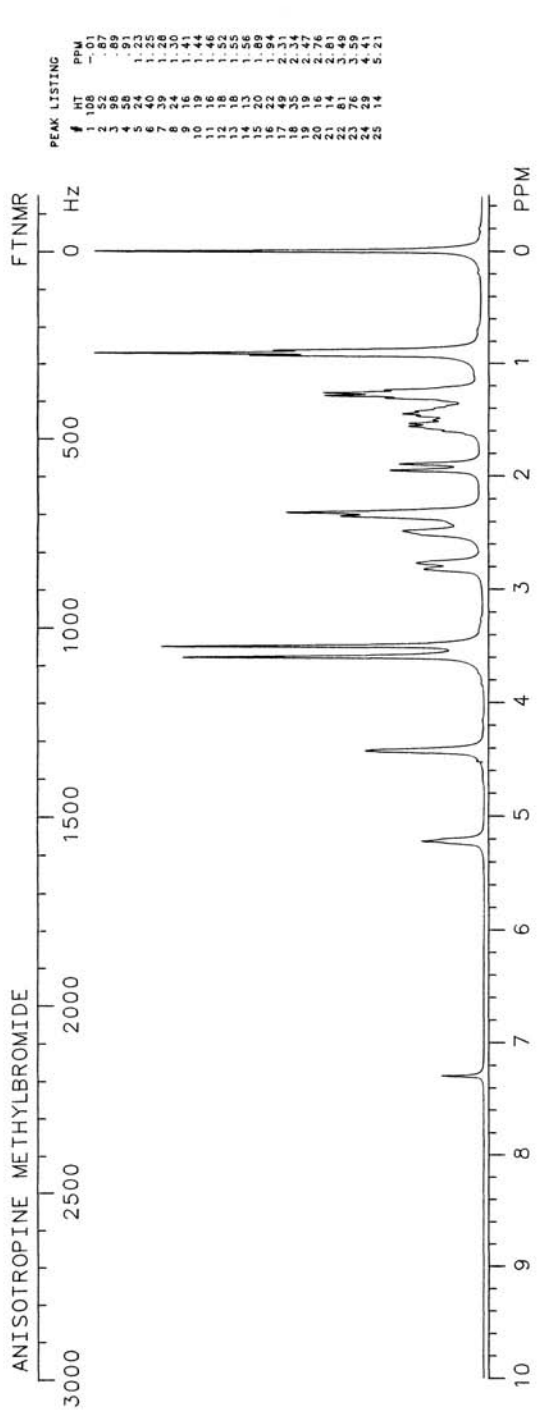
Use: Anticholinergic
HPLC:
GC:

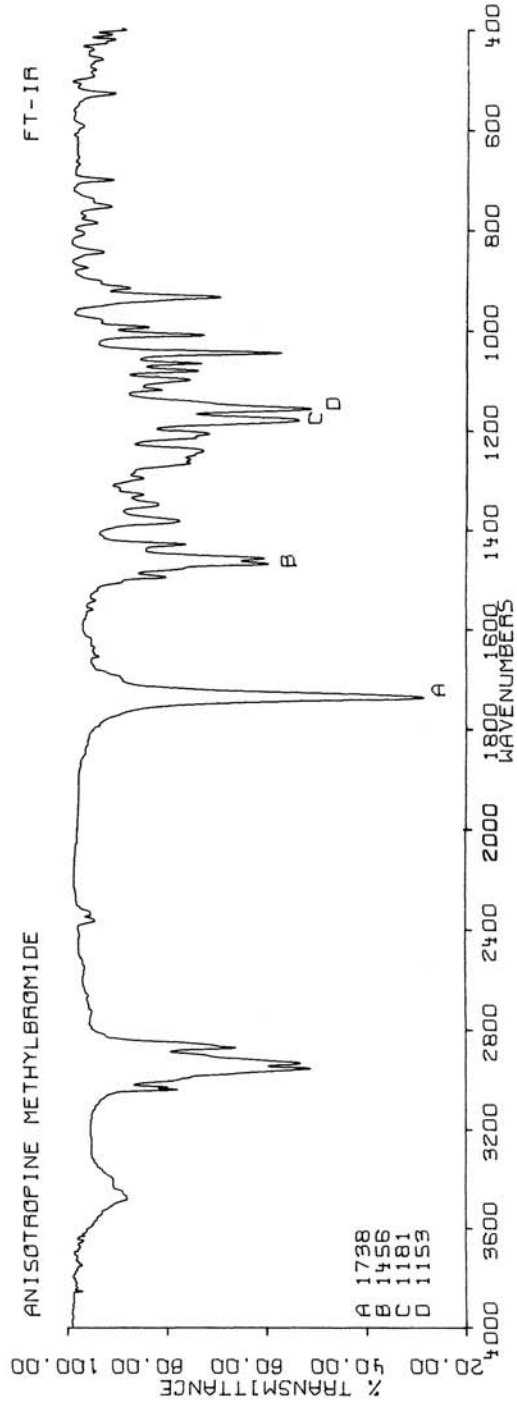




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
ANISOTROPINE METHYLBROMIDE
PEAK LISTING
HT PPM
1 108 -.01
2 52 .87
3 98 .89
4 56 1.01
5 24 1.23
6 40 1.25
7 39 1.28
8 24 1.30
9 16 1.41
10 19 1.44
11 16 1.46
12 18 1.52
13 18 1.55
14 13 1.56
15 20 1.89
16 22 1.94
17 49 2.31
18 35 2.34
19 19 2.47
20 16 2.76
21 14 2.81
22 81 3.49
23 76 3.59
24 29 4.41
25 14 5.21
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

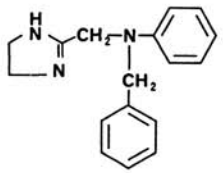

FT-IR
ANISOTROPINE METHYLBROMIDE
A 1738
B 1456
C 1181
D 1153
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

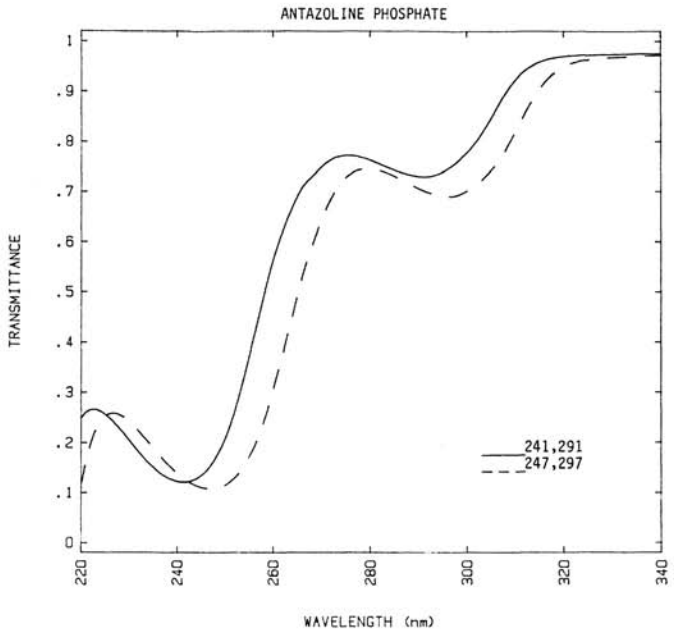
ANTAZOLINE

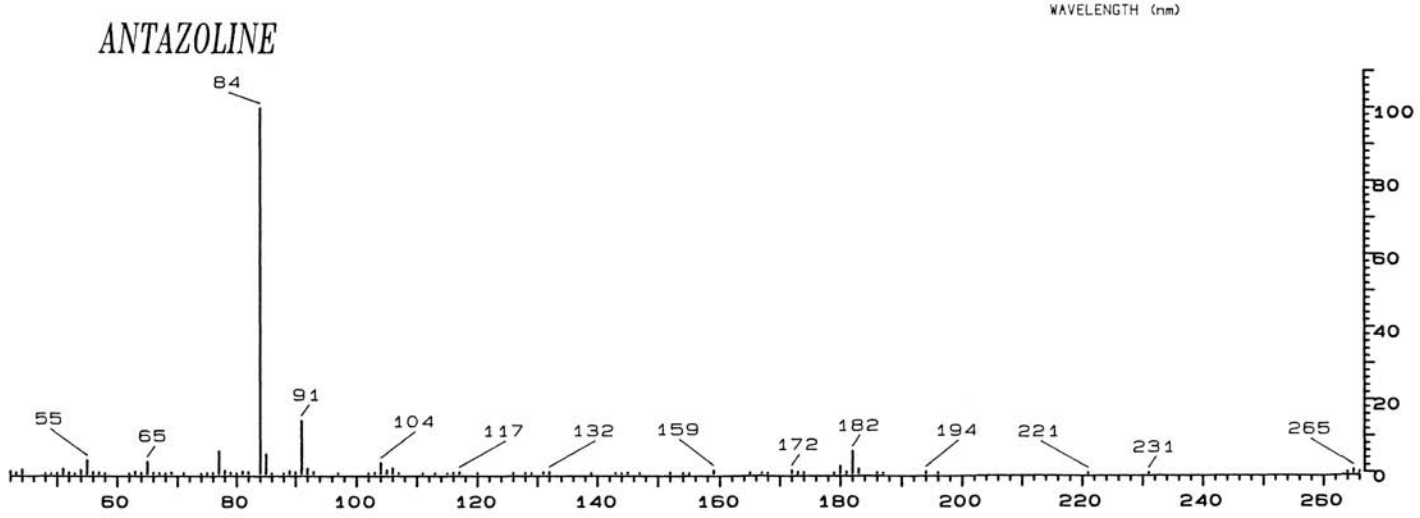
$C_{17}H_{19}N_3$

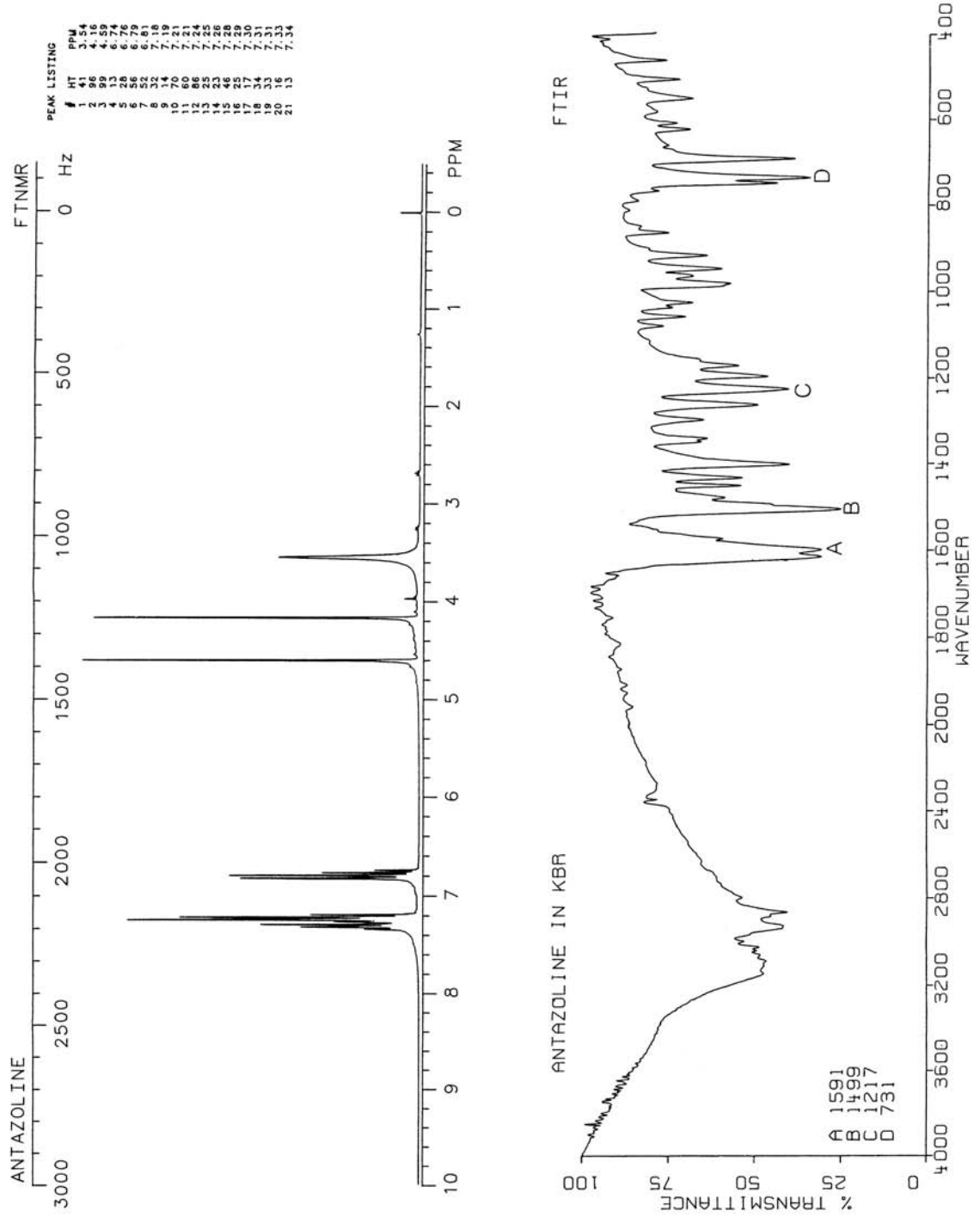
Molecular weight: 265.35 (265.16)
Synonyms: 4,5-Dihydro-N-phenyl-N-(phenylmethyl)-1H-imidiazole-2-methanamine; imidamine; phenazoline
Trade names: Antistin, Fenazoline, Histazine, Phenazolinium

Use: Antihistaminic
HPLC: Si-10; 20A:80B; 8.5
GC: 2347; 200°C








ANTAZOLINE
FTNMR
PEAK LISTING
HT PPM
1 41 3.54
2 86 4.16
3 96 4.59
4 13 6.74
5 28 6.76
6 56 6.79
7 52 6.81
8 32 7.18
9 14 7.19
10 70 7.21
11 60 7.21
12 86 7.24
13 25 7.25
14 23 7.26
15 46 7.28
16 17 7.29
17 17 7.30
18 34 7.31
19 33 7.31
20 16 7.33
21 13 7.34
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANTAZOLINE IN KBR
FTIR
A 1591
B 1499
C 1217
D 731
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

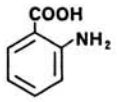
ANTHRANILIC ACID

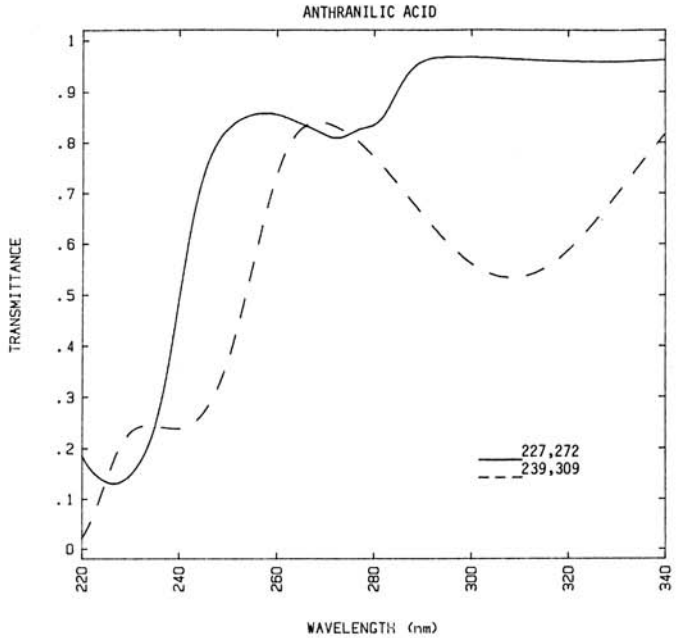
$C_7H_7NO_2$

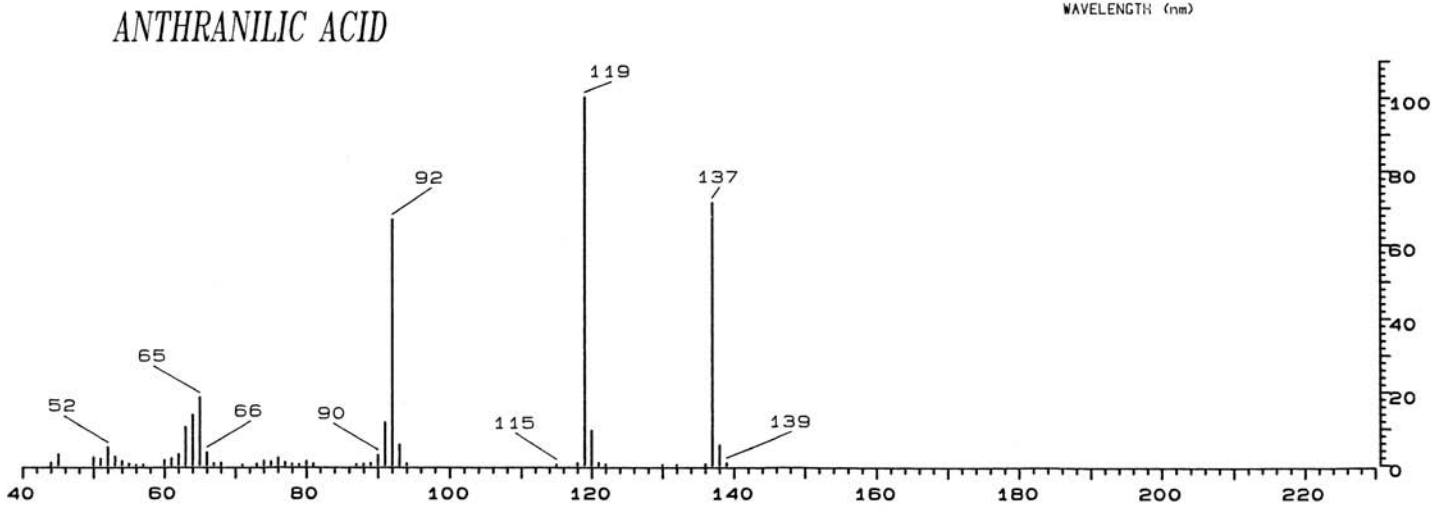
Molecular weight: 137.13 (137.05)
Synonyms: 2-Aminobenzoic acid; O-aminobenzoic acid

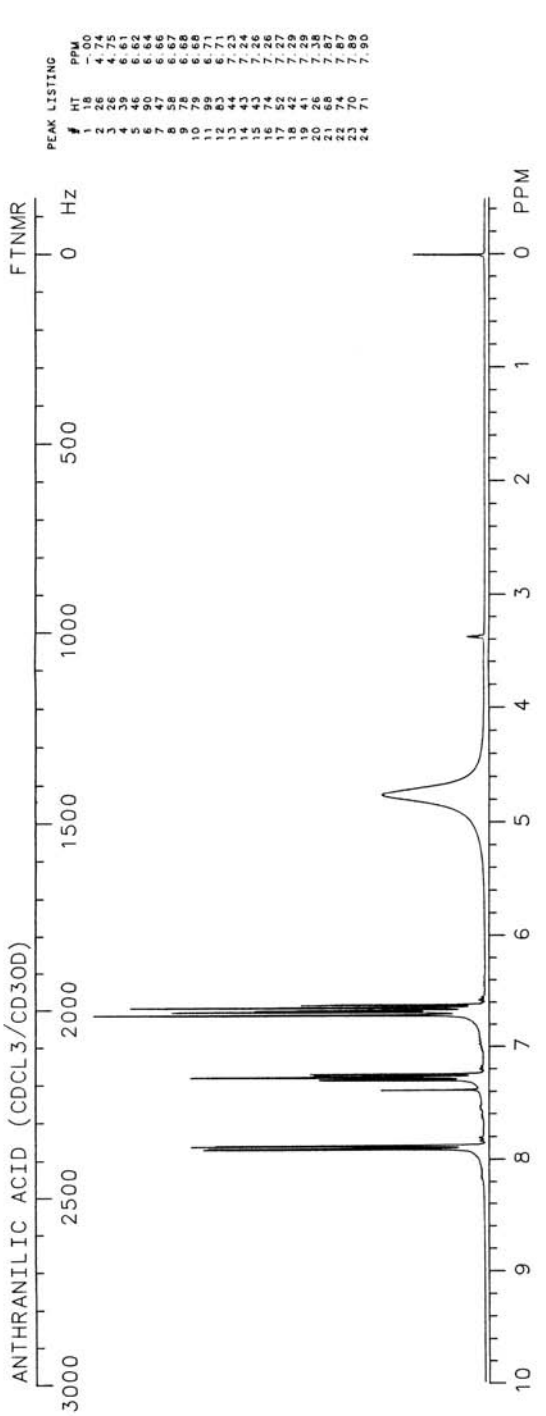
Trade names:

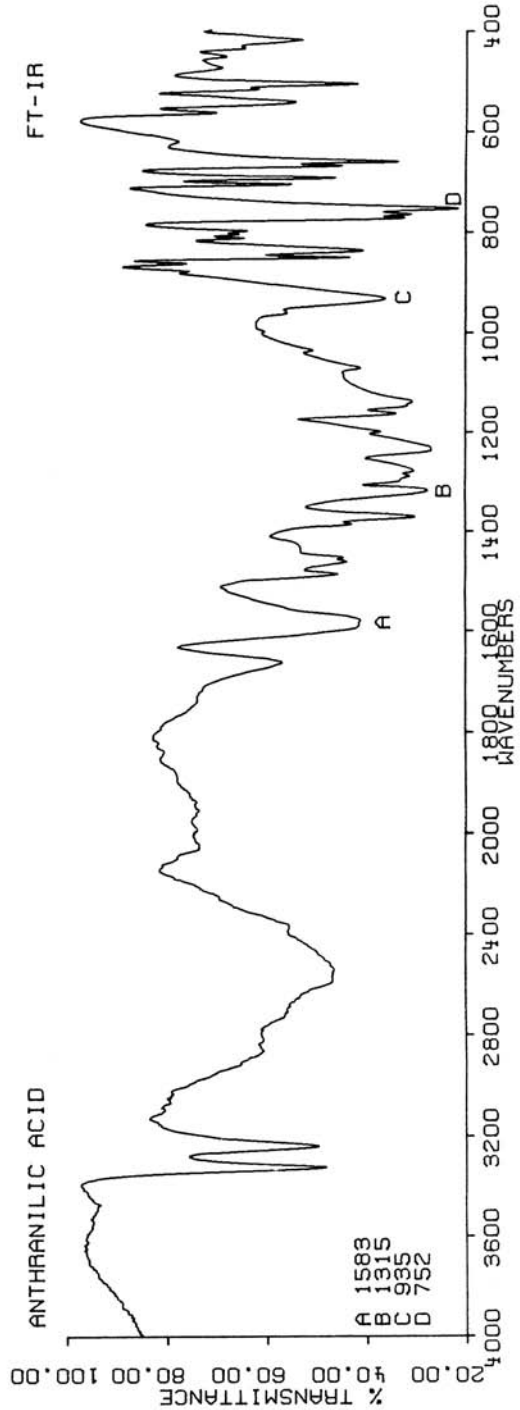
Use: Synthesis
HPLC: Si-10; 20A:80B; 4.0
GC: 1556; 200°C








FTNMR
ANTHRANILIC ACID (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 18 7.90
2 26 4.74
3 26 4.75
4 39 6.61
5 46 6.62
6 90 6.64
7 47 6.66
8 58 6.67
9 78 6.68
10 79 6.68
11 99 6.71
12 83 6.71
13 44 7.23
14 43 7.24
15 43 7.26
16 74 7.26
17 52 7.27
18 42 7.29
19 41 7.29
20 26 7.38
21 68 7.87
22 74 7.87
23 70 7.89
24 71 7.90

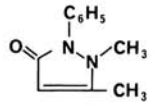

FT-IR
ANTHRANILIC ACID
A 1583
B 1315
C 935
D 752
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

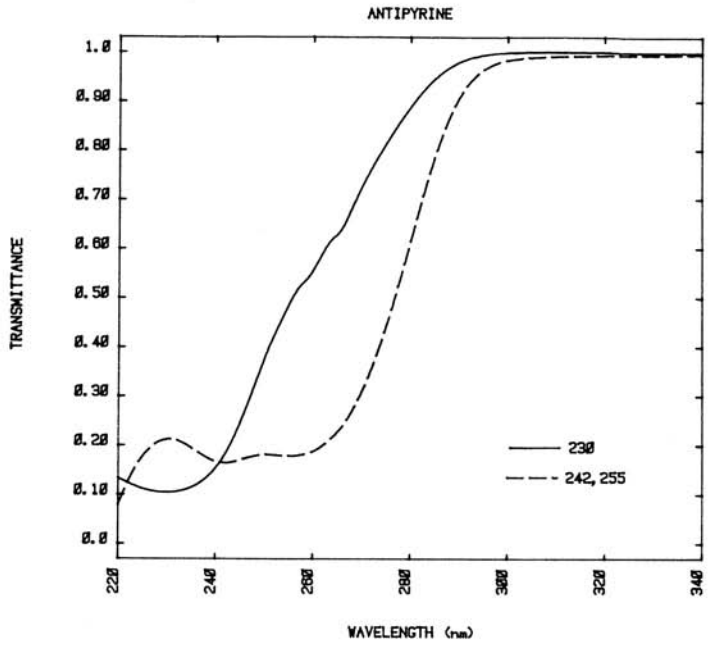
ANTIPYRINE

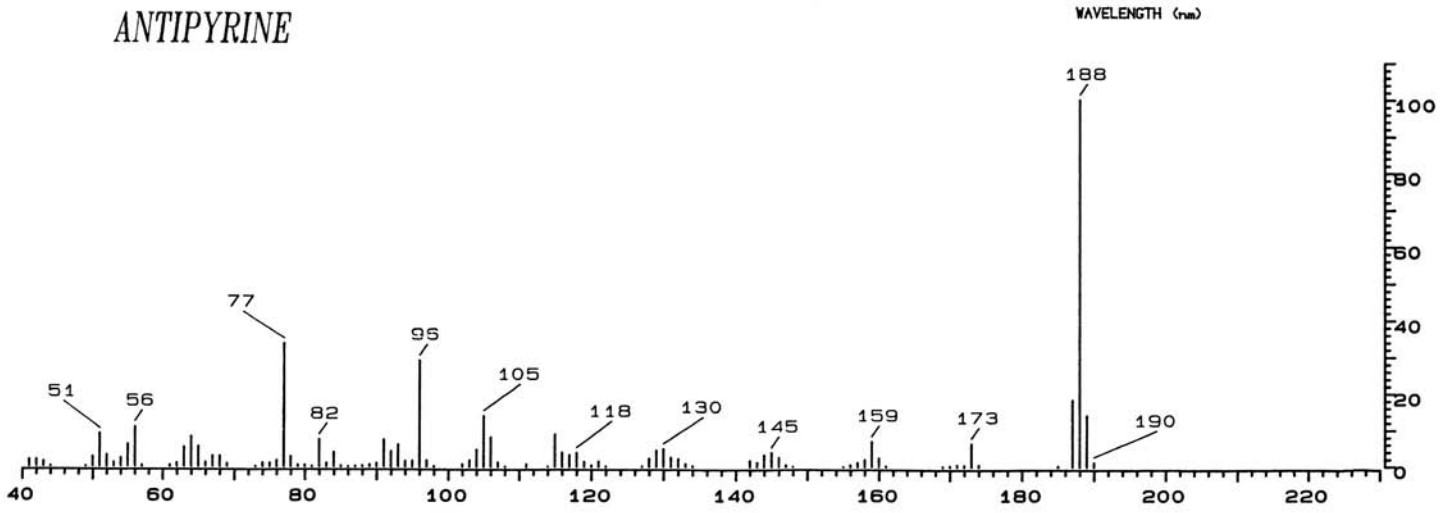
$C_{11}H_{12}N_2O$

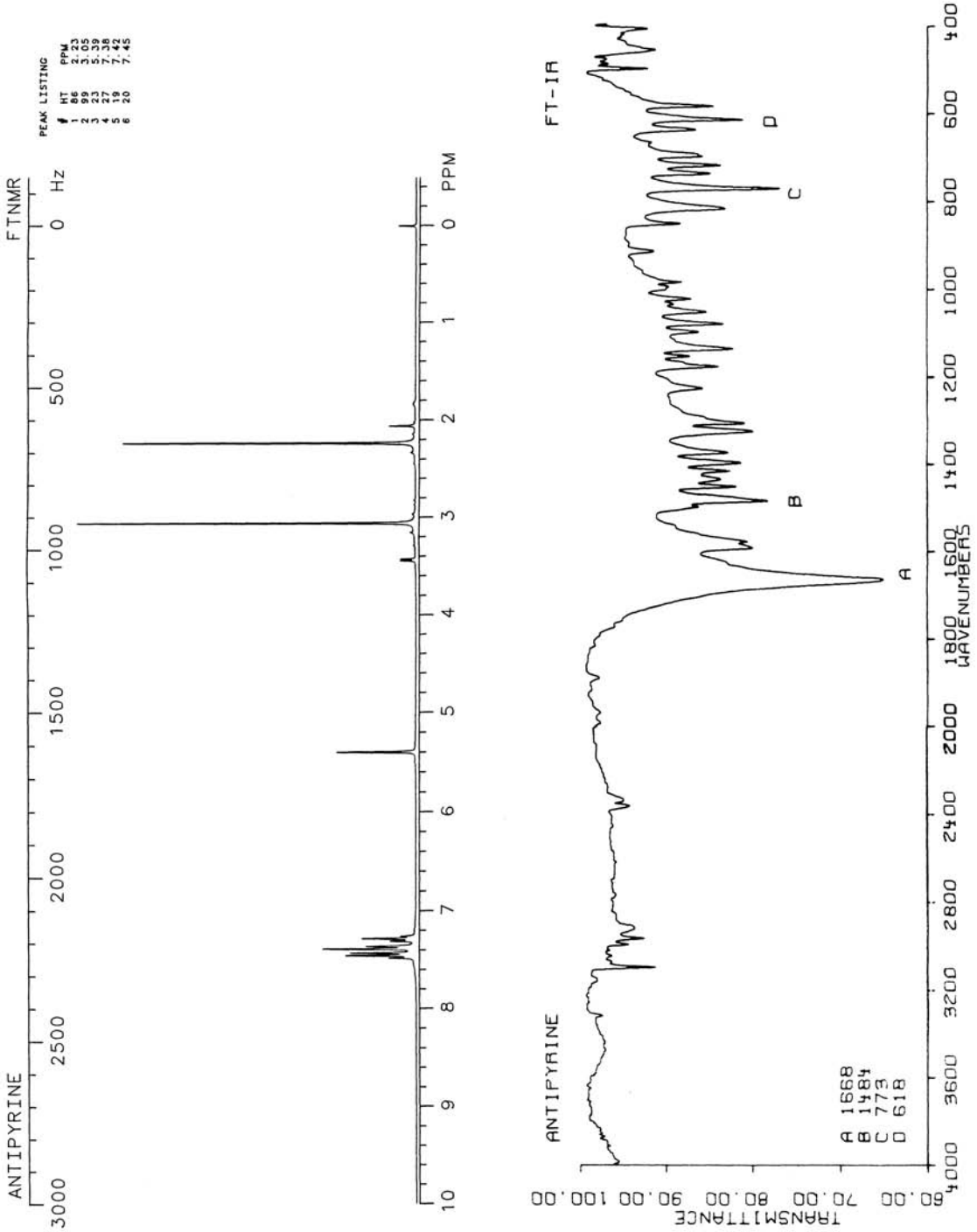
Molecular weight: 188.23 (188.10)
Synonyms: 1,2-Dihydro-1,5-dimethyl-2-phenyl-3H-pyrazol-3-one; phenazone
Trade names: Auralgan, Otocort, Tympagesic

Use: Analgesic, antipyretic
HPLC: Si-10; 2A:98B; 13.0
GC: 1903; 200°C








ANTIPYRINE
FTNMR
PEAK LISTING
HT PPM
1 86 2.23
2 99 3.05
3 23 5.39
4 27 7.38
5 19 7.42
6 20 7.45
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ANTIPYRINE
FT-IR
A 1668
B 1484
C 773
D 618
TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

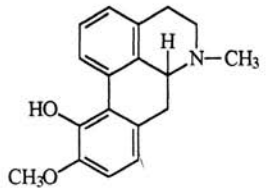
APOCODEINE

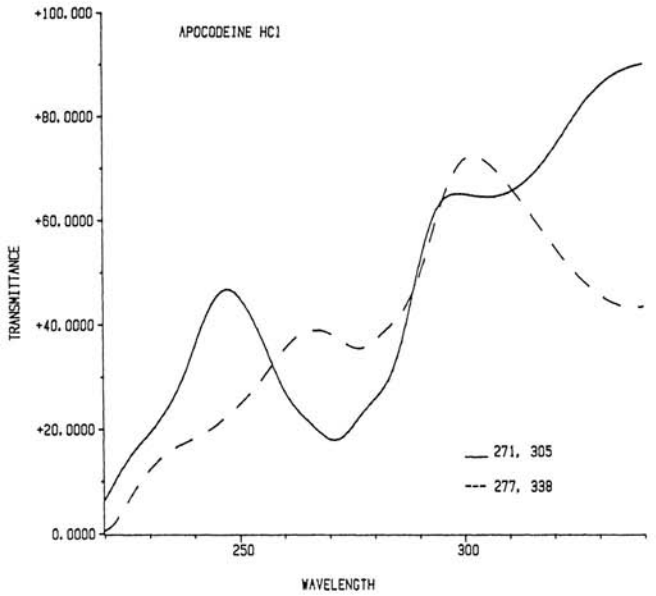
$C_{18}H_{19}NO_2$

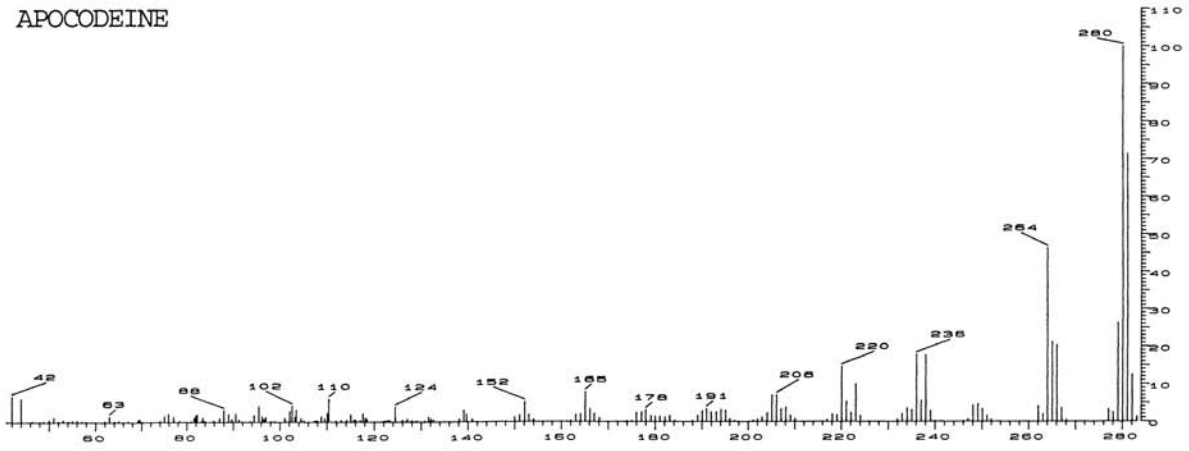
Molecular Weight: 281.35 (281.14)

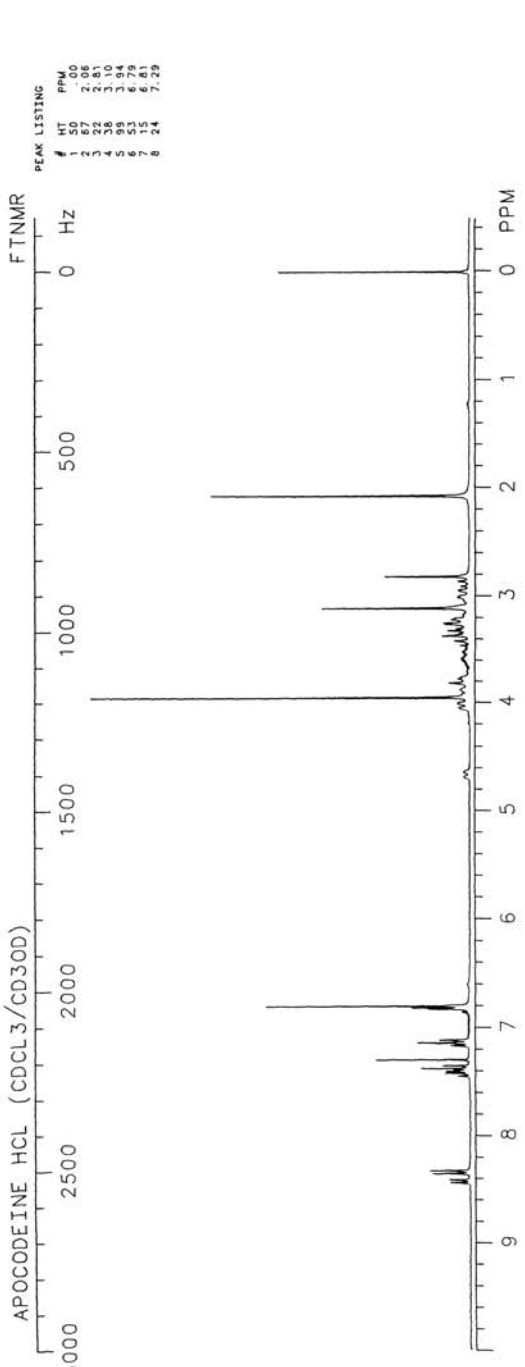
Synonyms: (R)-5,6,6a,7-Tetrahydro-10-methoxy-6-methyl-4H-dibenzo[de,g]quinolin-11-ol; R(-)-10-methoxy-11-hydroxyaporphine
Trade Names:
Use: Dopamine agonist, apomorphine metabolite

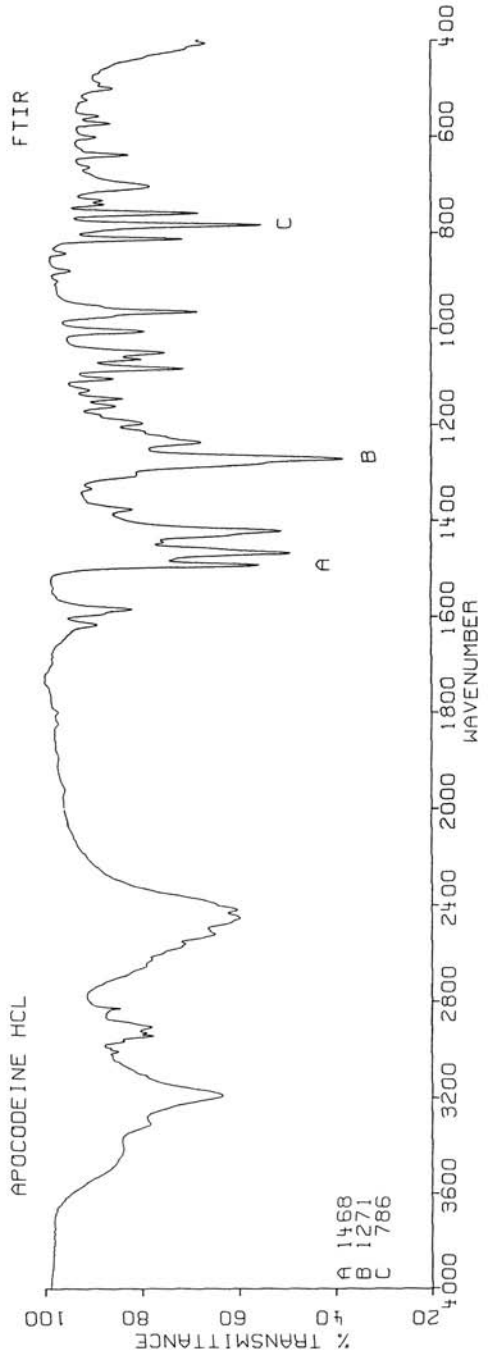
HPLC:
GC: 2621; 250°








FTNMR
APOCODEINE HCL (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 50 .00
2 67 2.06
3 22 2.81
4 28 3.10
5 53 6.04
6 53 6.79
7 15 6.81
8 24 7.29
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

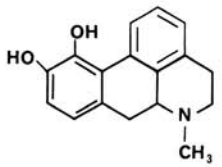

FTIR
APOCODEINE HCL
A 1468
B 1271
C 786
A
B
C
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

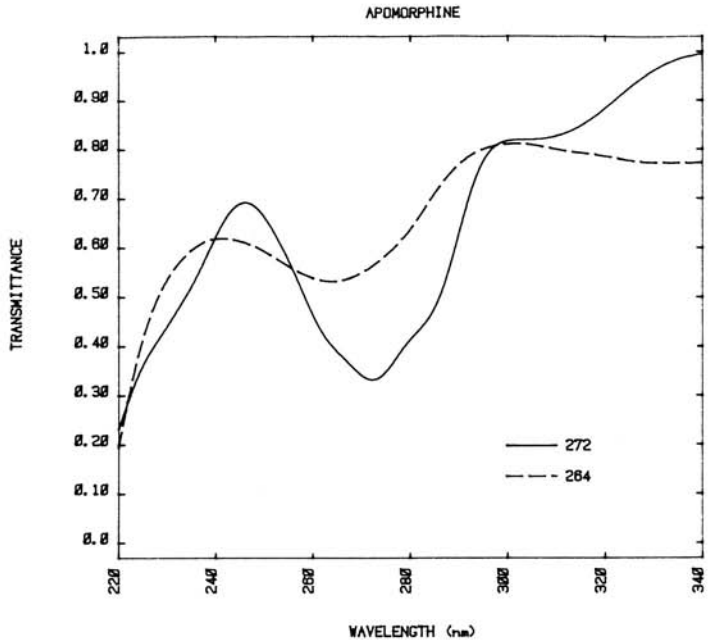
APOMORPHINE

$C_{17}H_{17}NO_2$

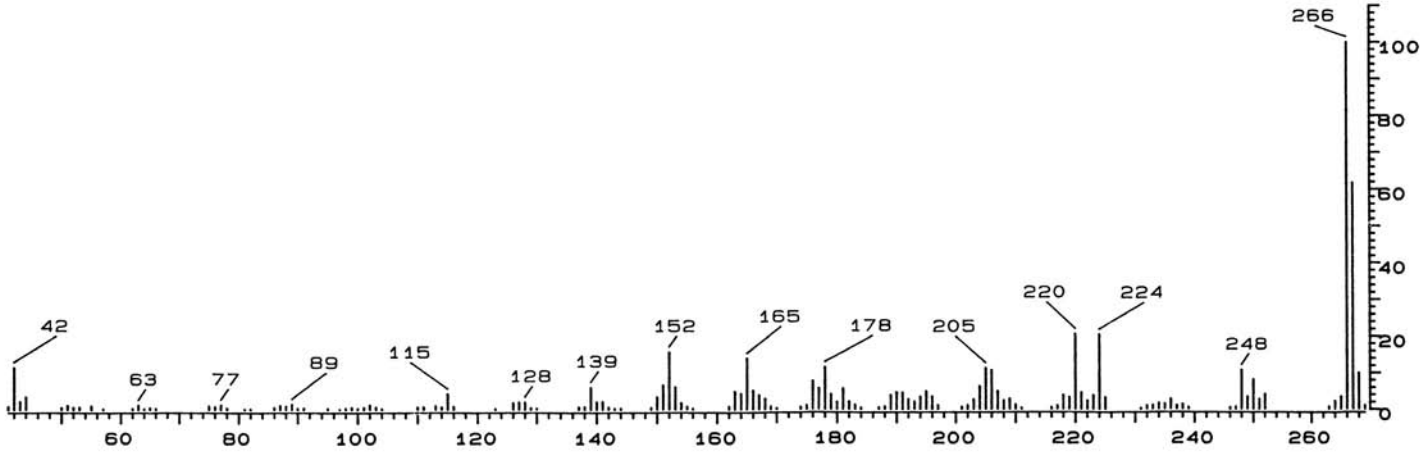
Molecular weight: 267.33 (267.13)
Synonyms: (R)-5,6,6a,7-Tetrahydro-6-methyl-4H-dibenzo-[de,g]quinoline-10,11-diol
Trade names:

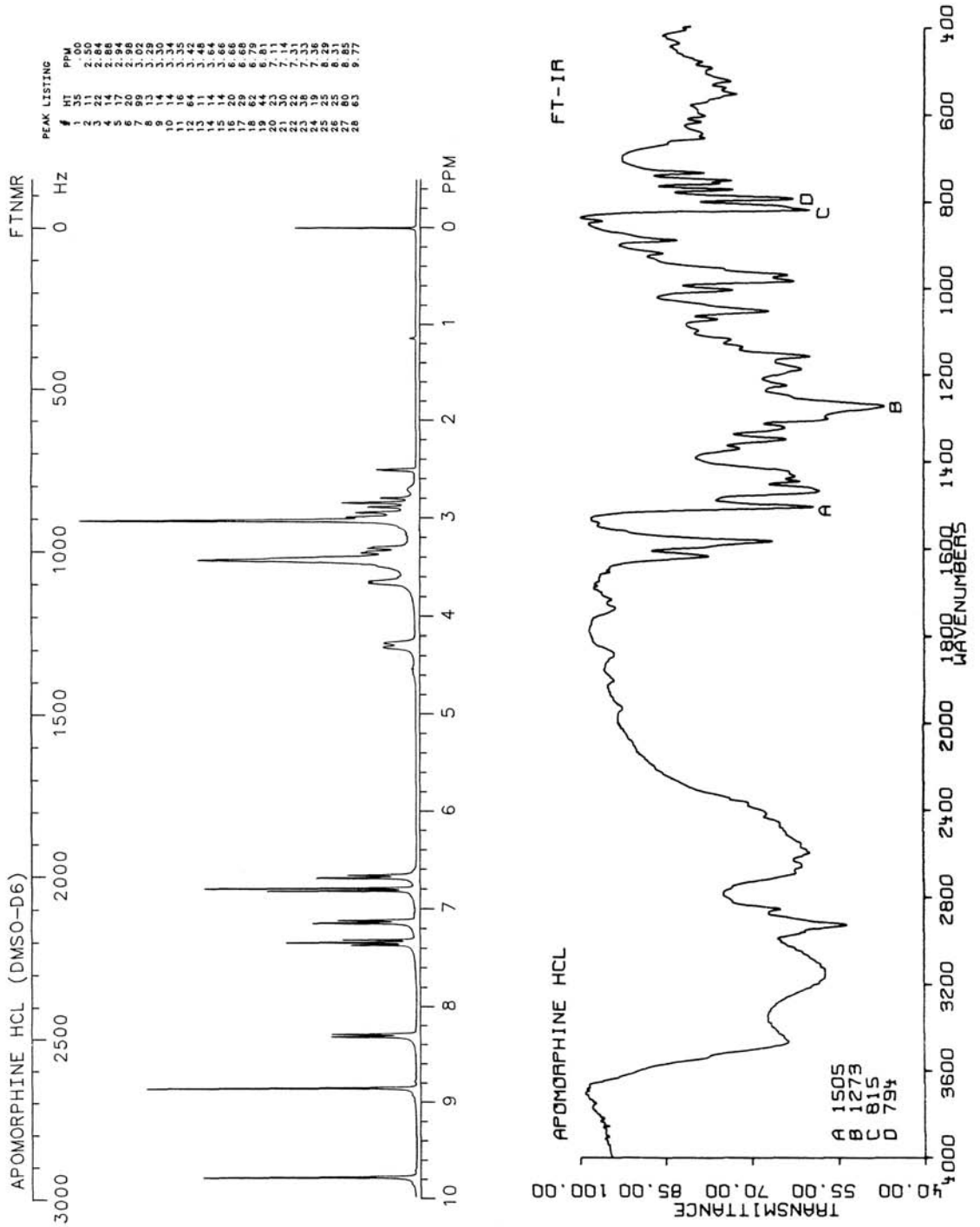
Use: Emetic
HPLC: Si-10; 5A:95B; 6.5
GC: 2626; 250°C





APOMORPHINE -- DIP



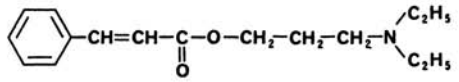

APOMORPHINE HCL (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 35 2.00
2 11 2.50
3 22 2.84
4 14 2.88
5 17 2.94
6 20 3.08
7 90 3.02
8 13 3.29
9 14 3.30
10 14 3.34
11 16 3.35
12 64 3.42
13 11 3.46
14 14 3.64
15 14 3.66
16 20 6.66
17 29 6.68
18 62 6.79
19 44 6.81
20 20 7.11
21 30 7.14
22 22 7.31
23 38 7.33
24 19 7.36
25 25 8.29
26 15 8.31
27 80 8.85
28 63 9.77
APOMORPHINE HCL
FT-IR
A 1505
B 1273
C 815
D 794
TRANSMITTANCE
50.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

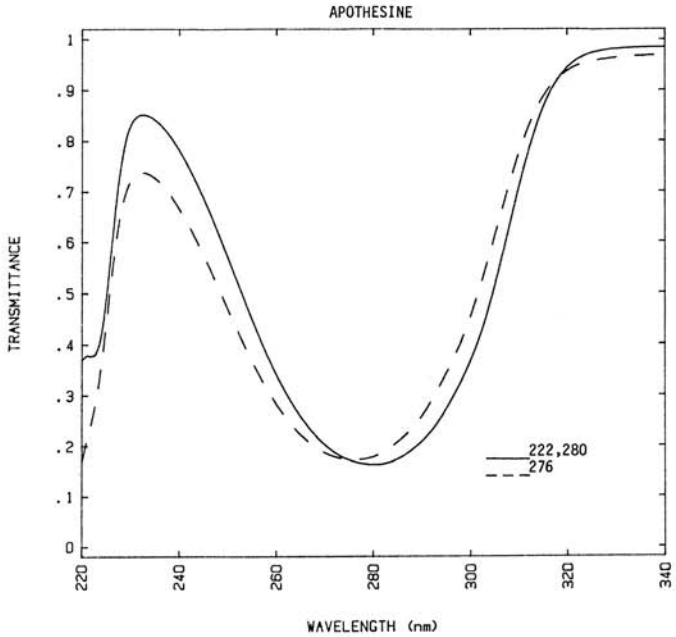
APOTHESINE

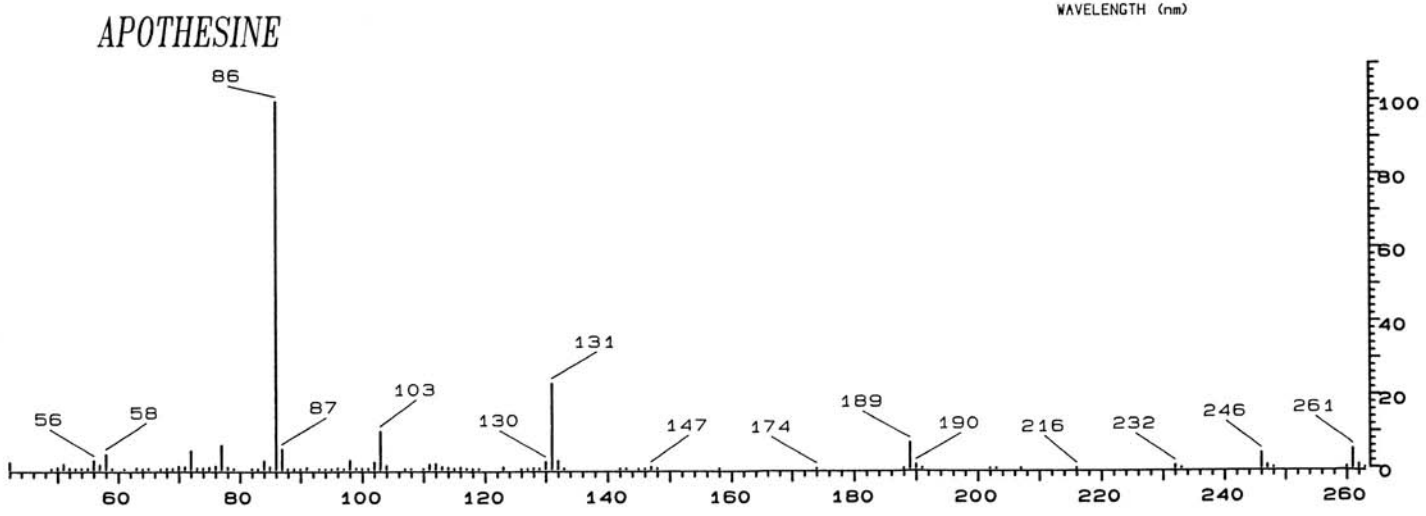
$C_{16}H_{23}NO_2$

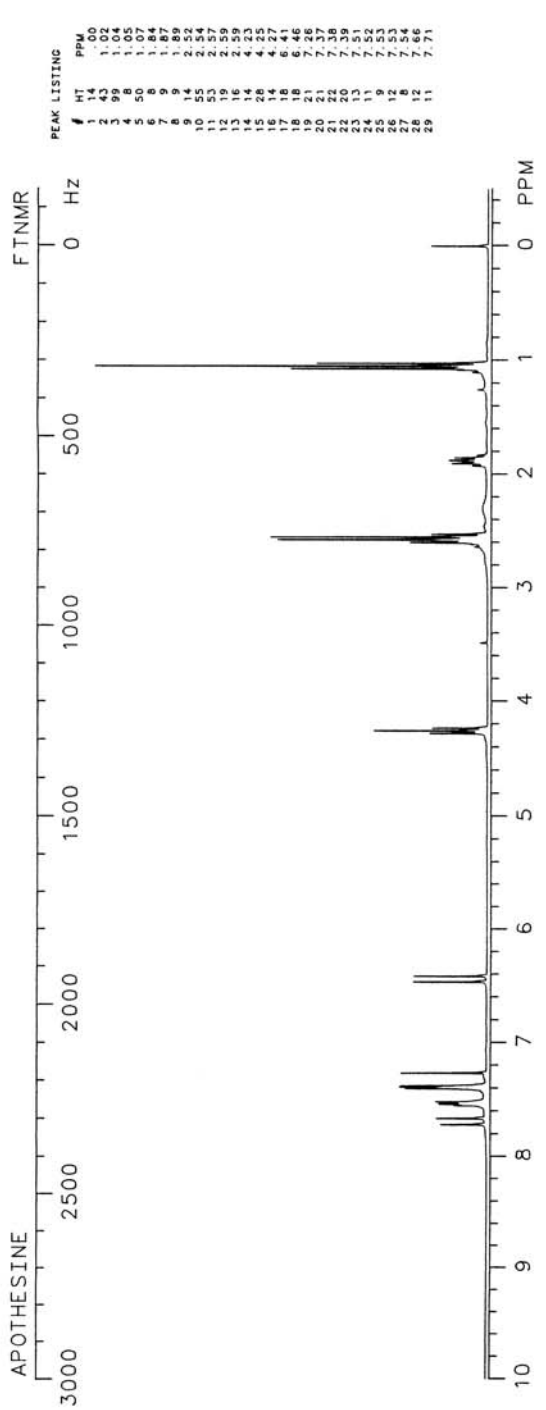
Molecular weight: 261.37 (261.17)
Synonyms: γ-Diethylaminopropyl cinnamate; cinnamyl-diethylaminopropanol
Trade names: Apothesine

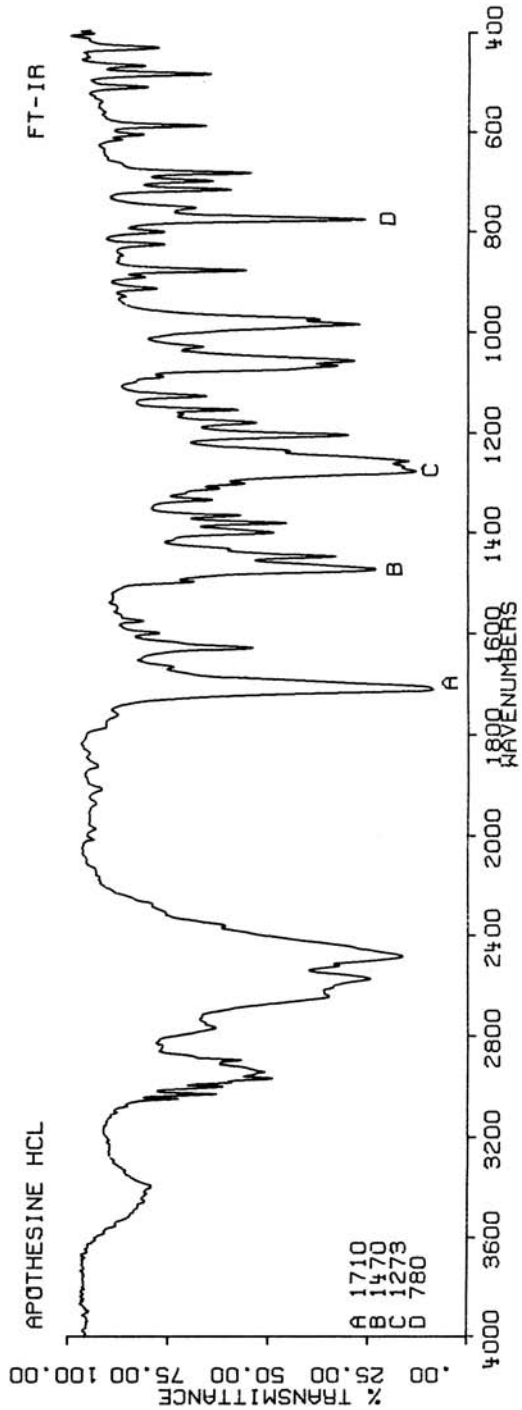
Use: Spinal anesthetic
HPLC: Si-10; 20A:80B; 3.5
GC: 2062; 250°C








APOTHESINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 14 .00
2 43 1.02
3 99 1.04
4 8 1.05
5 50 1.07
6 8 1.84
7 9 1.87
8 9 1.89
9 14 2.52
10 55 2.54
11 53 2.57
12 19 2.59
13 16 2.59
14 14 4.23
15 28 4.25
16 14 4.27
17 18 6.41
18 18 6.46
19 21 7.36
20 21 7.37
21 22 7.38
22 20 7.39
23 13 7.51
24 11 7.52
25 9 7.53
26 12 7.54
27 8 7.64
28 12 7.66
29 11 7.71


APOTHESINE HCL
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1710
B 1470
C 1273
D 780
A
B
C
D

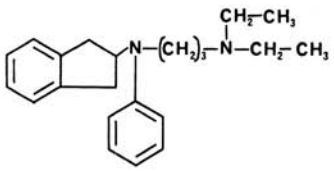
APRINDINE

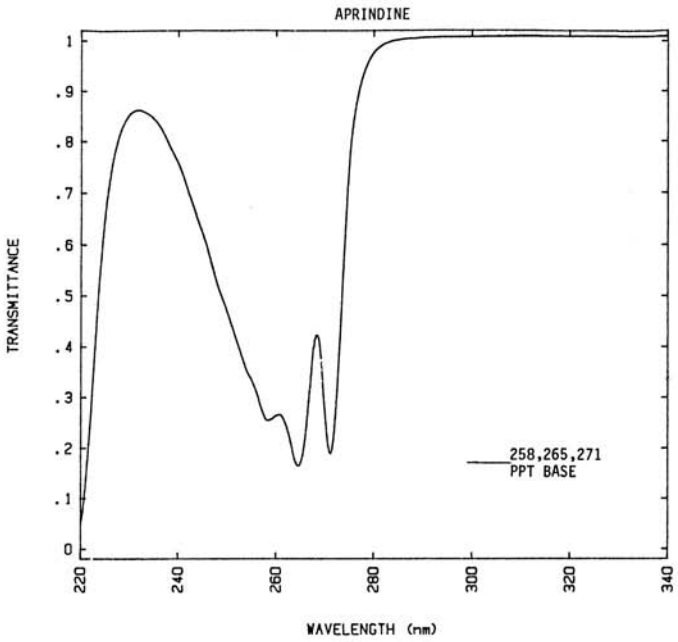
$C_{22}H_{30}N_2$

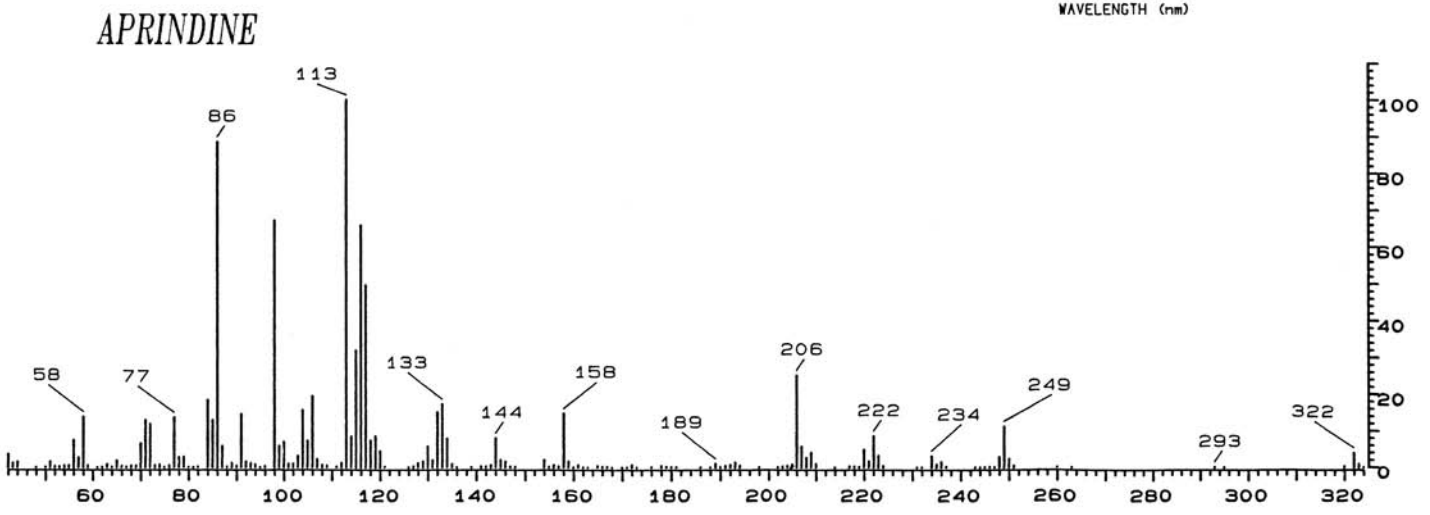
Molecular weight: 322.49 (322.24)
Synonyms: N,N-Diethyl-N'-2-indanyl-N'-phenyl-1,3-propanediamine

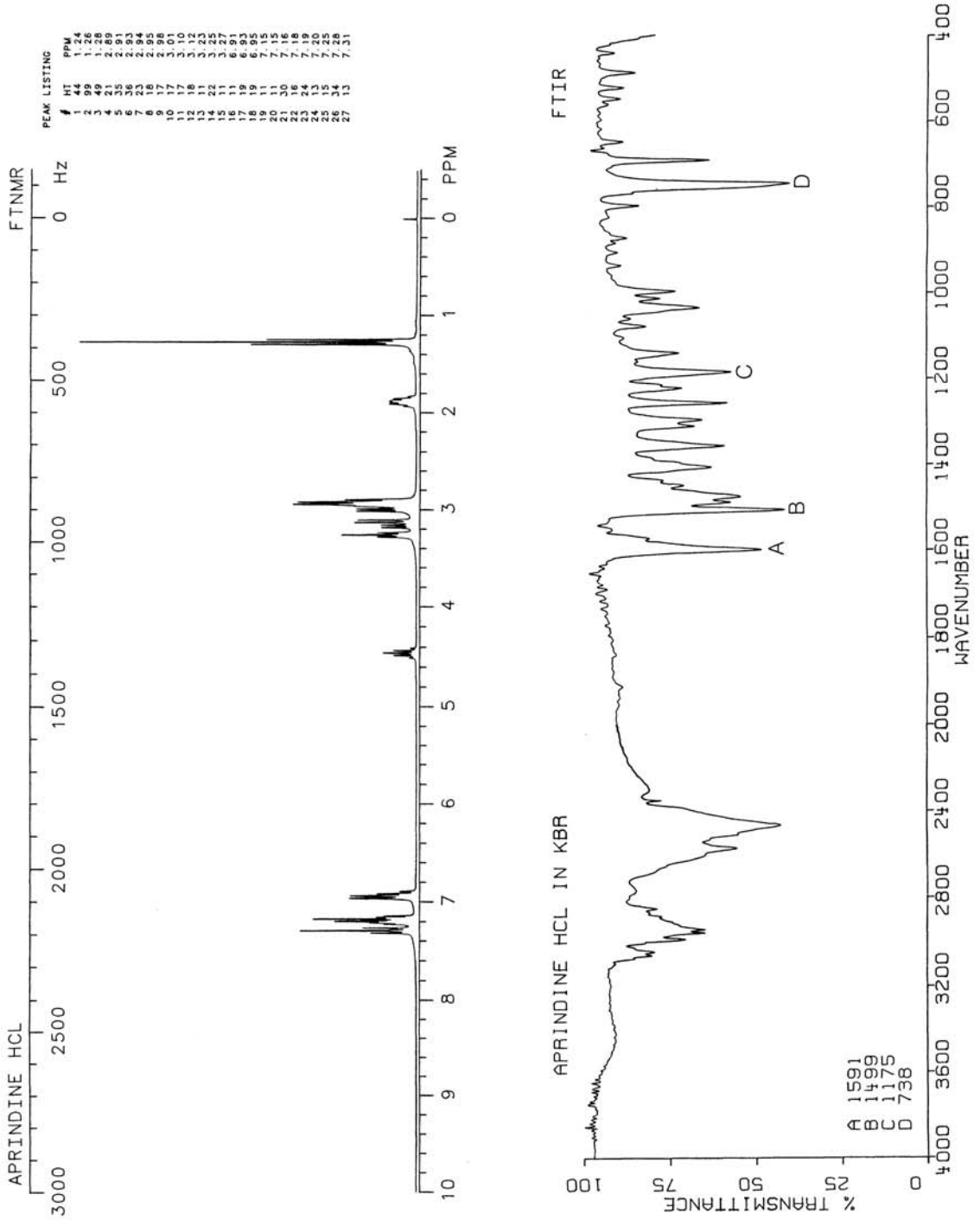
Trade names: Amidonal, Fibocil, Fiboran, Ritmusin

Use: Cardiac depressant
HPLC: Si-10; 10A:90B; 4.9
GC: 2503; 250°C







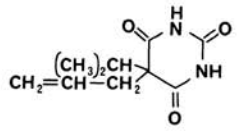

APRINDINE HCL
FTNMR
PEAK LISTING
HT PPM
1 44 1.24
2 99 1.26
3 49 1.28
4 21 2.89
5 35 2.91
6 36 2.93
7 23 2.94
8 16 2.95
9 17 2.98
10 17 3.01
11 16 3.10
12 11 3.12
13 11 3.23
14 22 3.25
15 11 3.27
16 11 6.91
17 19 6.93
18 11 6.95
19 11 7.15
20 30 7.16
21 16 7.18
22 24 7.19
23 13 7.20
24 15 7.25
25 14 7.28
26 13 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
APRINDINE HCL IN KBR
FTIR
A 1591
B 1499
C 1175
D 738
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

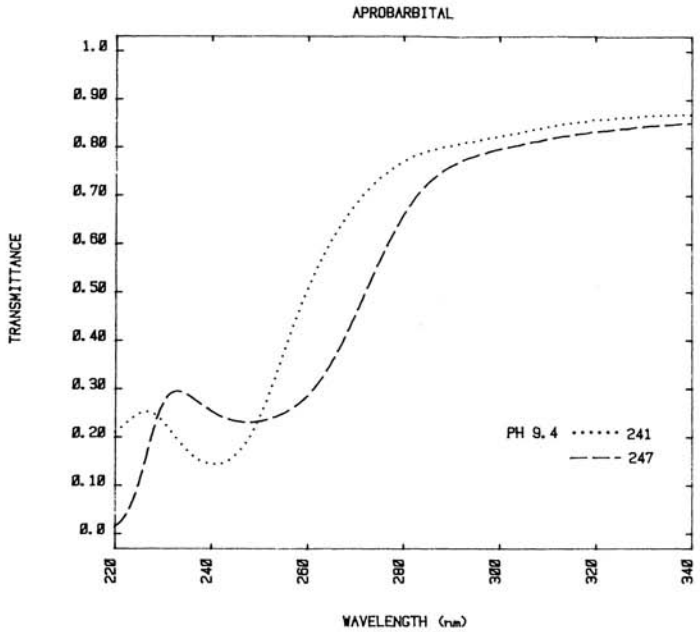
APROBARBITAL

$C_{10}H_{14}N_2O_3$

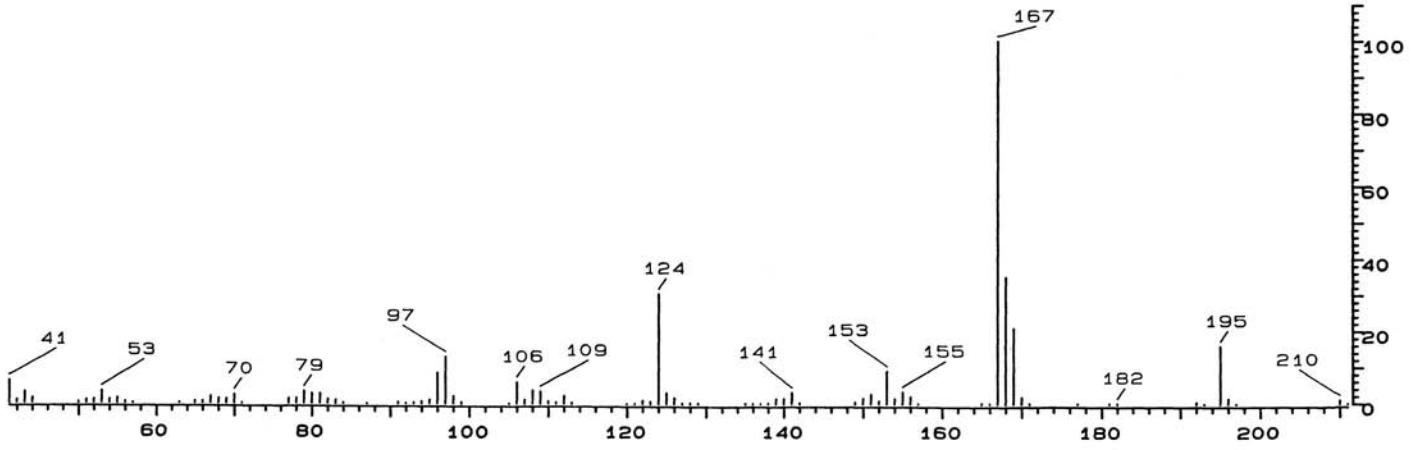
Molecular weight: 210.23 (210.10)
Synonyms: 5-(1-Methylethyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione; 5-allyl-5-isopropylbarbituric acid
Trade names: Alurate, Numal

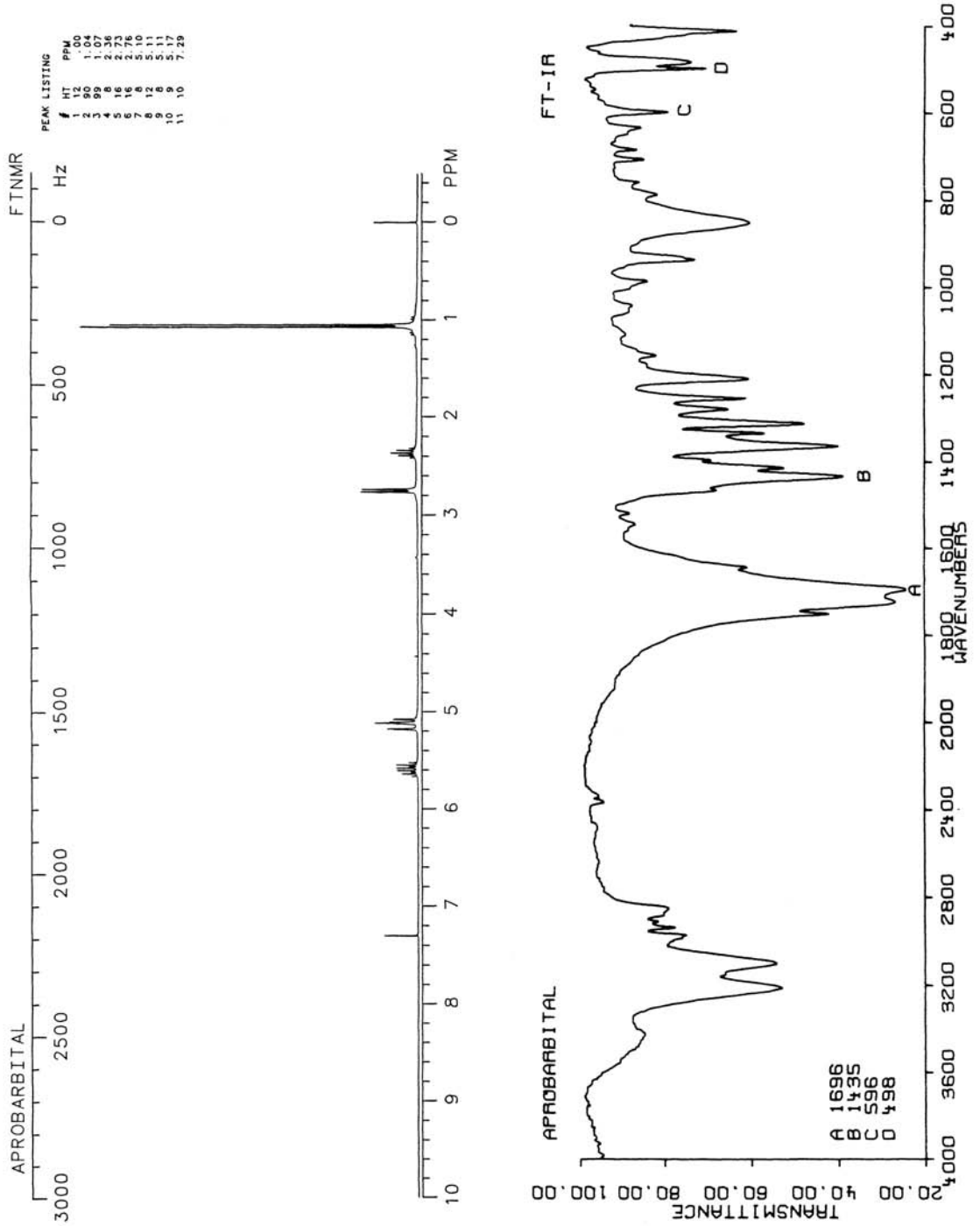
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 6.0
GC: 1630; 200°C





APROBARBITAL




FTNMR
APROBARBITAL
PEAK LISTING
HT PPM
1 12 .00
2 10 1.04
3 99 1.07
4 8 2.36
5 16 2.73
6 16 2.76
7 8 5.10
8 12 5.11
9 6 5.11
10 9 5.17
11 10 7.29
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
APROBARBITAL
A 1696
B 1435
C 596
D 498
A
B
C
D
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

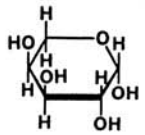
ARABINOSE

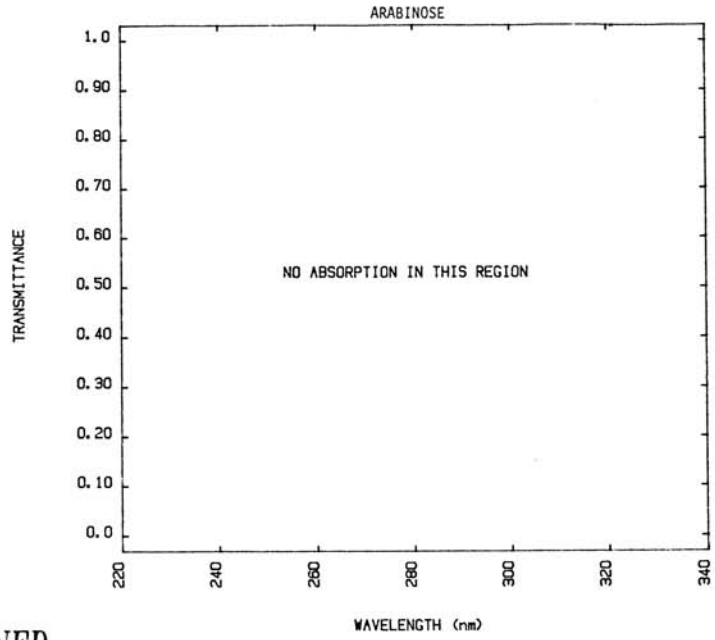
$C_5H_{10}O_5$

Molecular weight: 150.13 (150.05)
Synonyms: L-Arabinose; pectin sugar

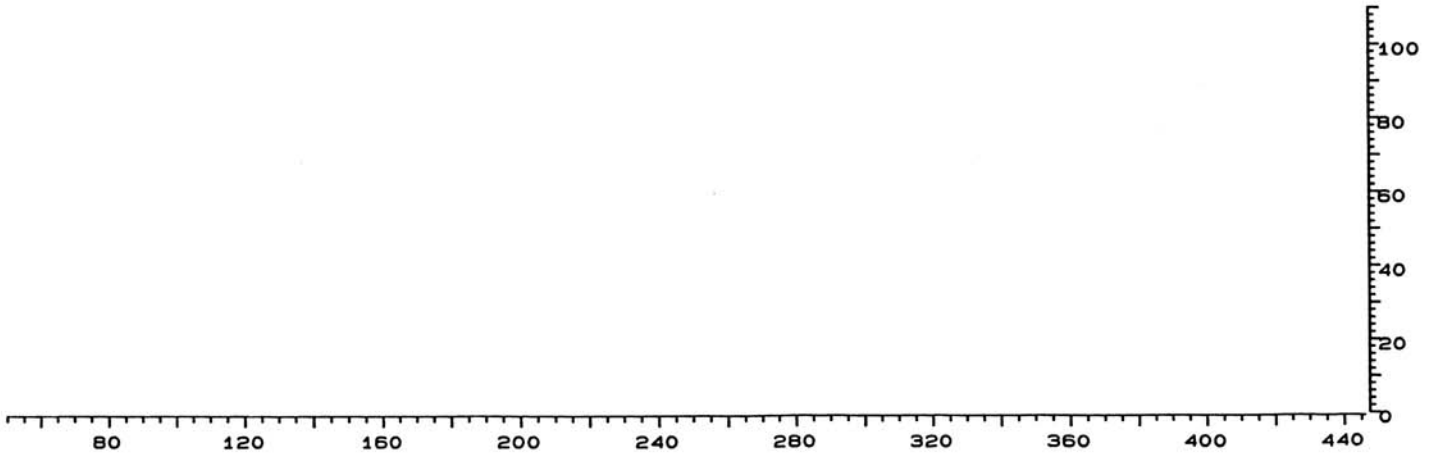
Trade names:

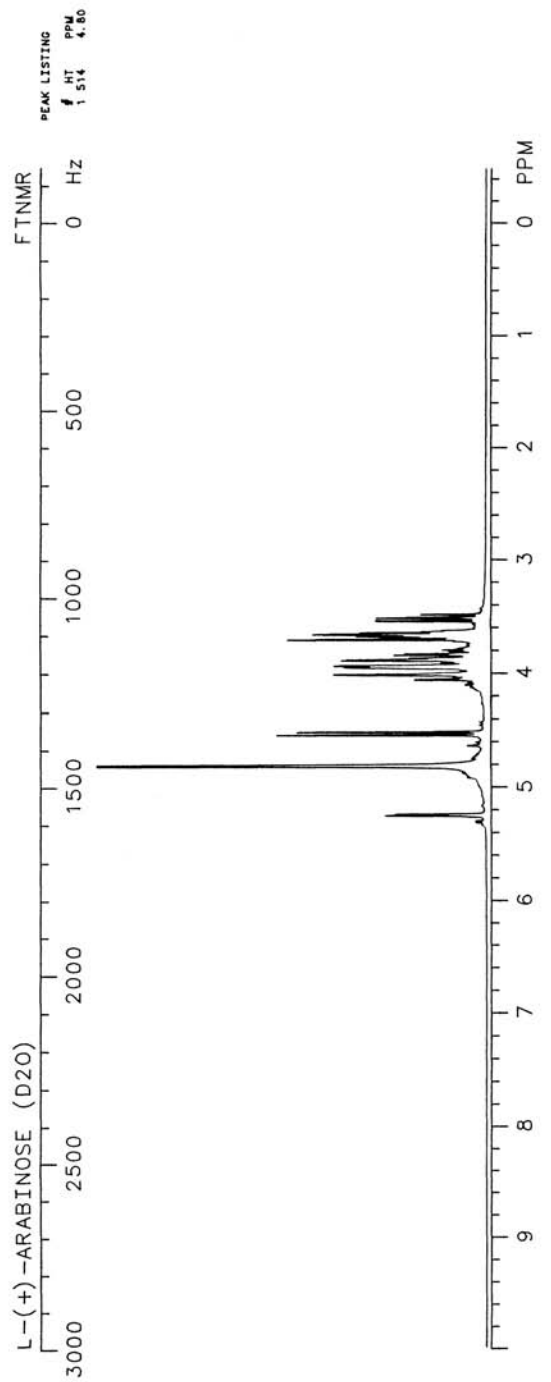
Use: Sugar; culture medium for bacteria
HPLC:
GC:

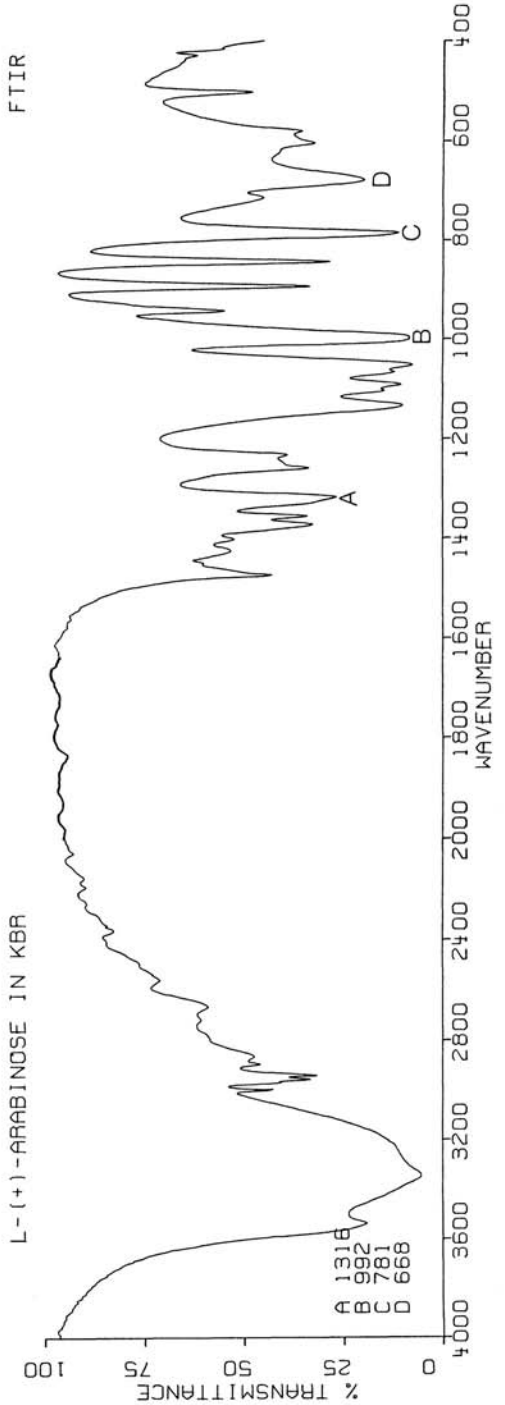




NO USEFUL MASS SPECTRUM WAS OBTAINED




L-(+)-ARABINOSE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 514 4.80
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


L-(+)-ARABINOSE IN KBR
FTIR
A 1316
B 992
C 781
D 668
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

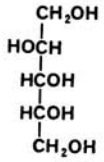
ARABITOL

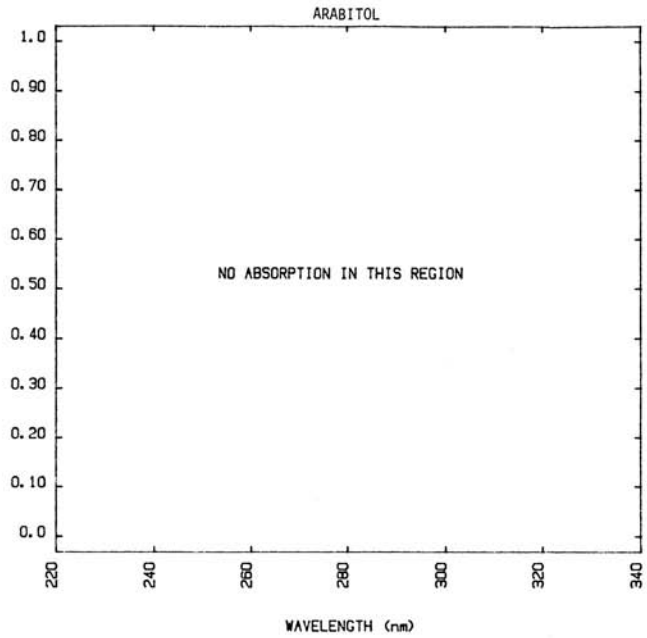
$C_5H_{12}O_5$

Molecular weight: 152.15 (152.07)
Synonyms: Arabinitol; 1,2,3,4-pentanepentol; arabite

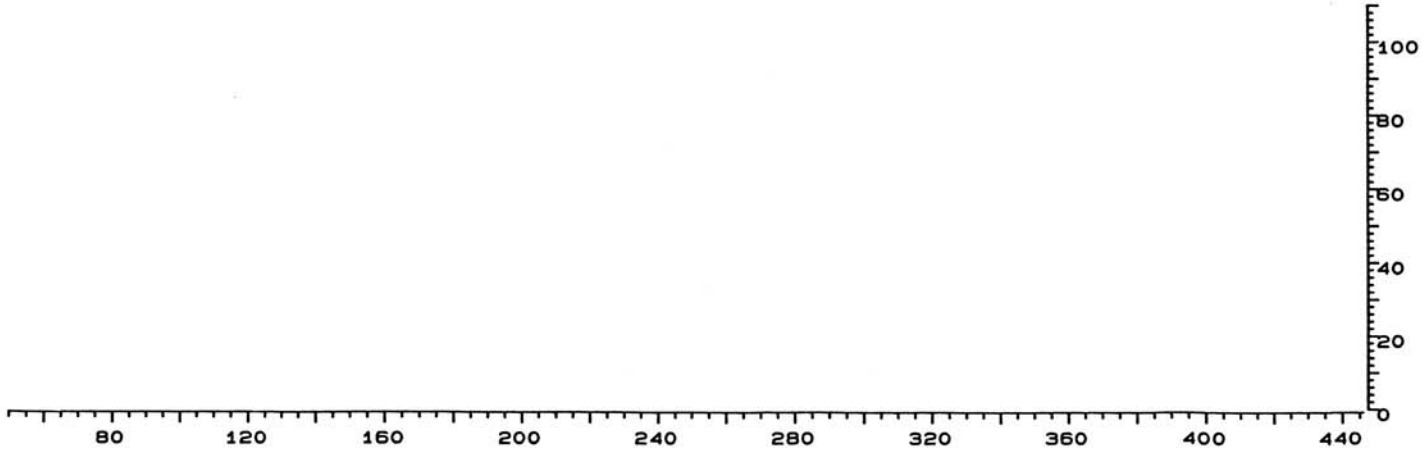
Trade names:

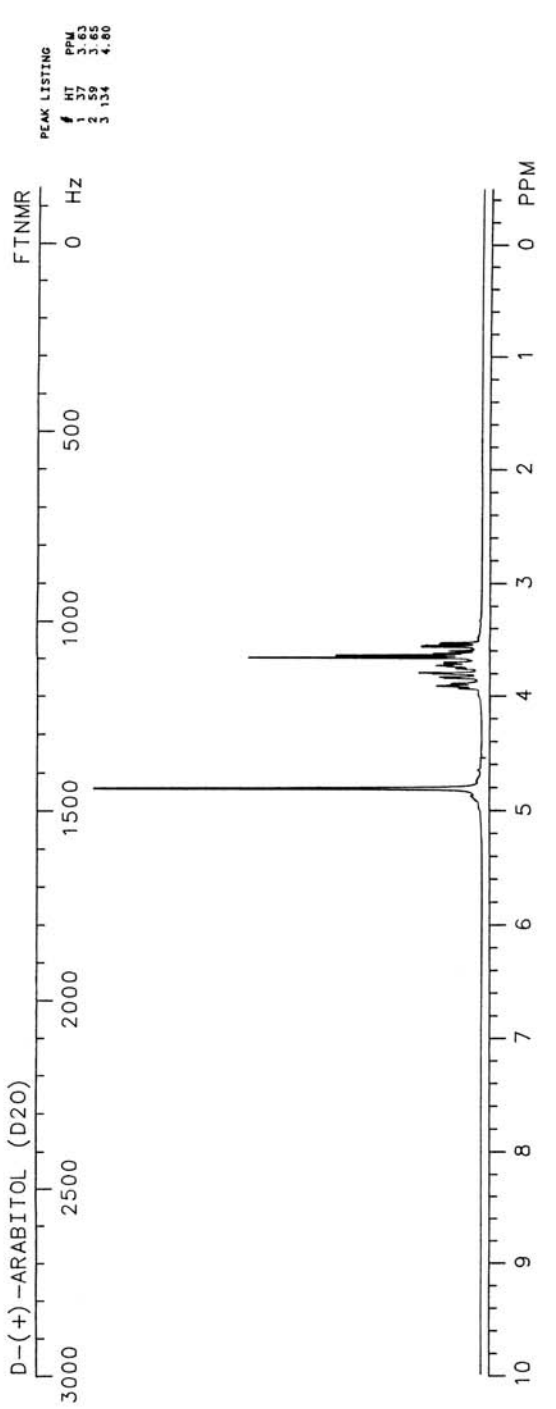
Use: Sugar
HPLC:
GC:

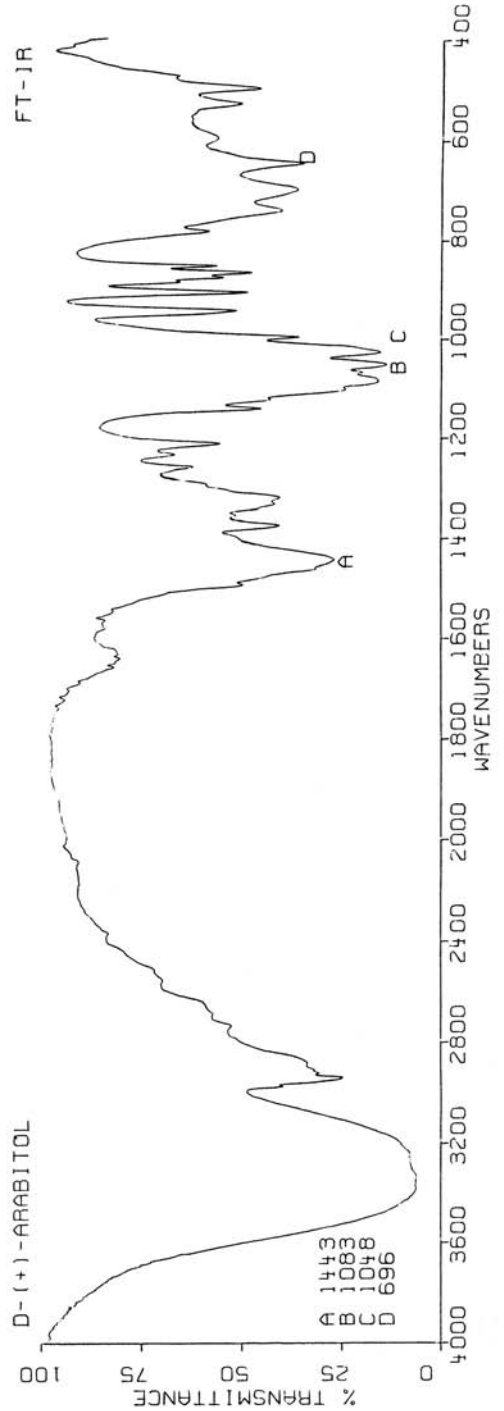




NO USEFUL MASS SPECTRUM WAS OBTAINED




D-(+)-ARABITOL (D2O)
FTNMR
PEAK LISTING
HT PPM
1 37 3.63
2 59 3.65
3 134 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

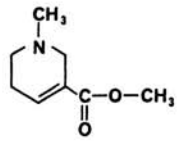

D-(+)-ARABITOL
FT-IR
A 1443
B 1083
C 1048
D 696
A
B C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

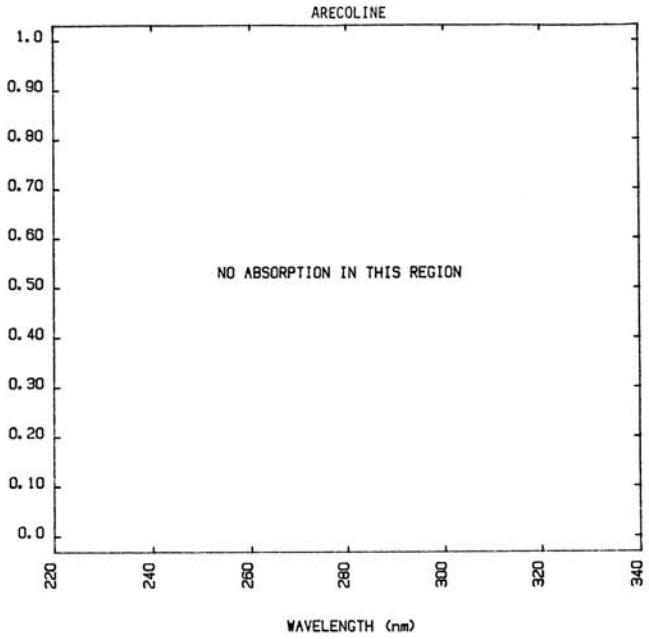
ARECOLINE

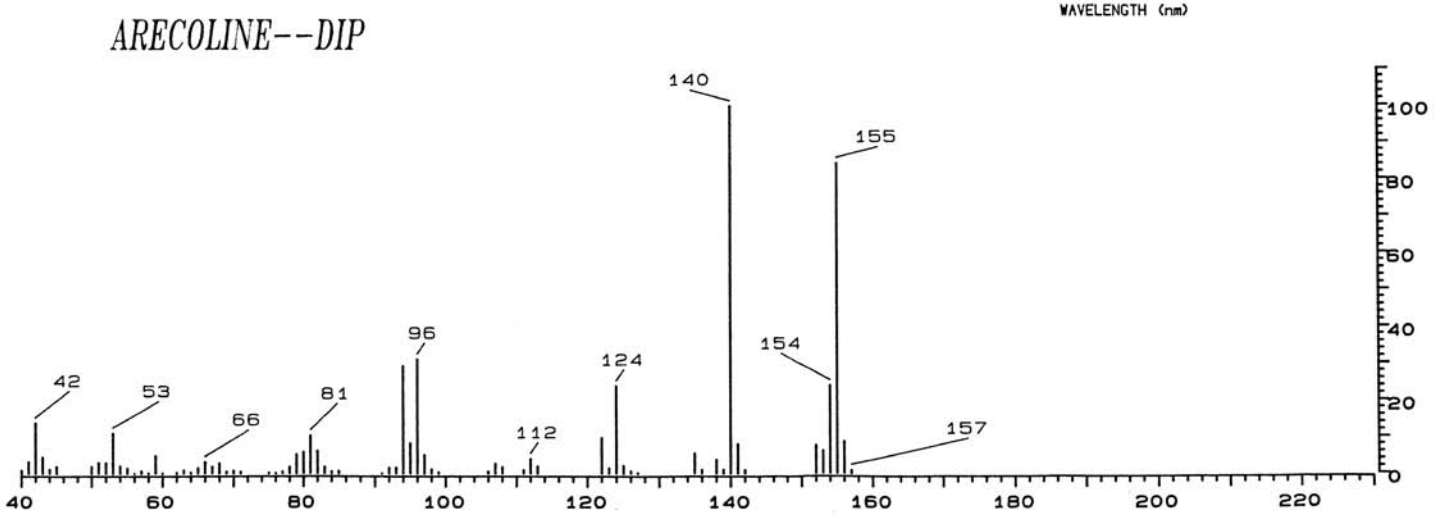
$C_8H_{13}NO_2$

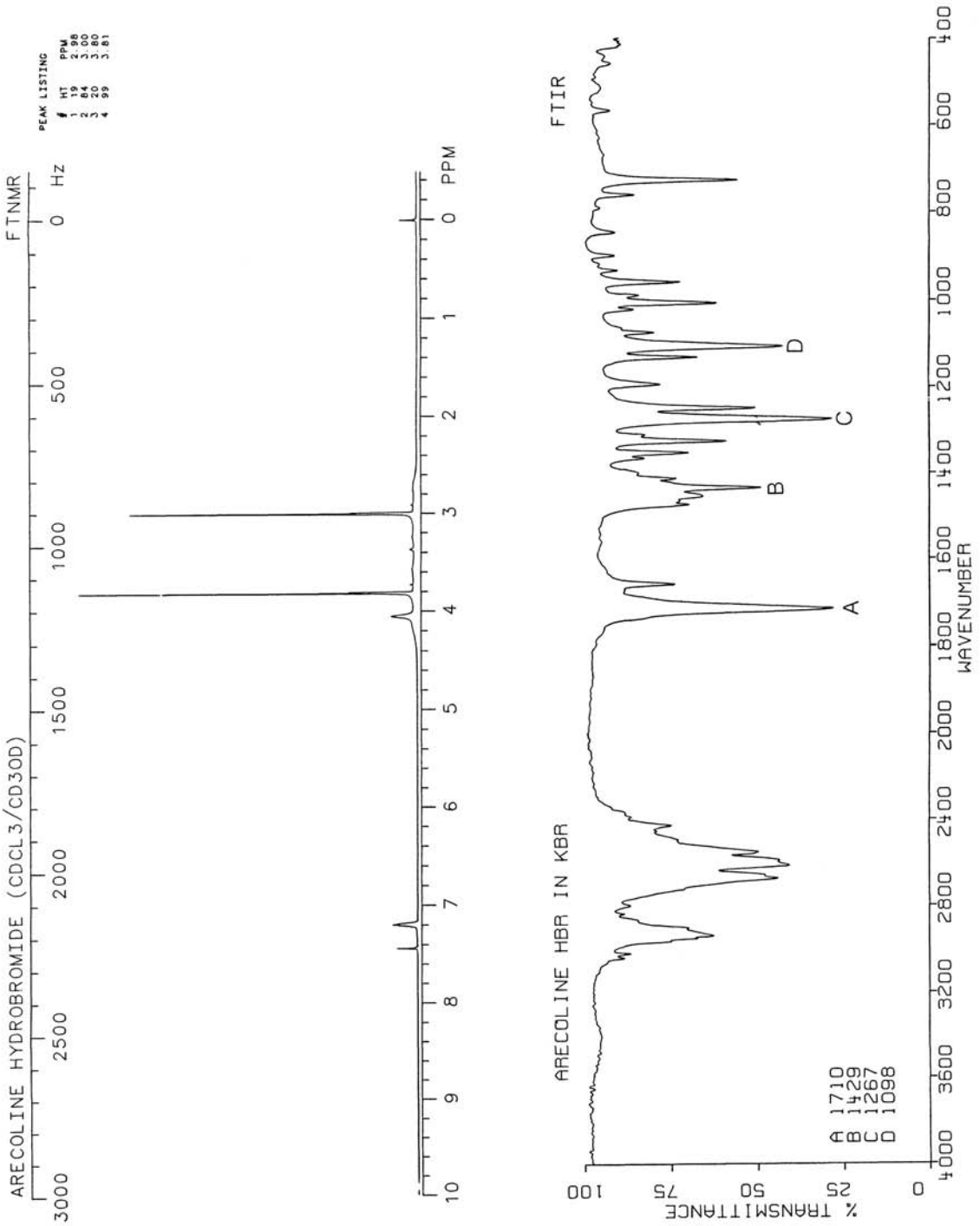
Molecular weight: 155.19 (155.10)
Synonyms: 1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid methyl ester; methyl-N-methyltetrahydronicotinate; arecholine; methylarecaidin
Trade names:

Use: Anthelminitic; alkaloid
HPLC:
GC:








FTNMR
ARECOLINE HYDROBROMIDE (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 19 2.98
2 84 3.00
3 20 3.80
4 99 3.81
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
ARECOLINE HBR IN KBR
A 1710
B 1429
C 1267
D 1098
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

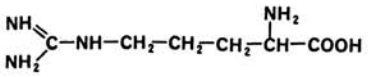
ARGININE

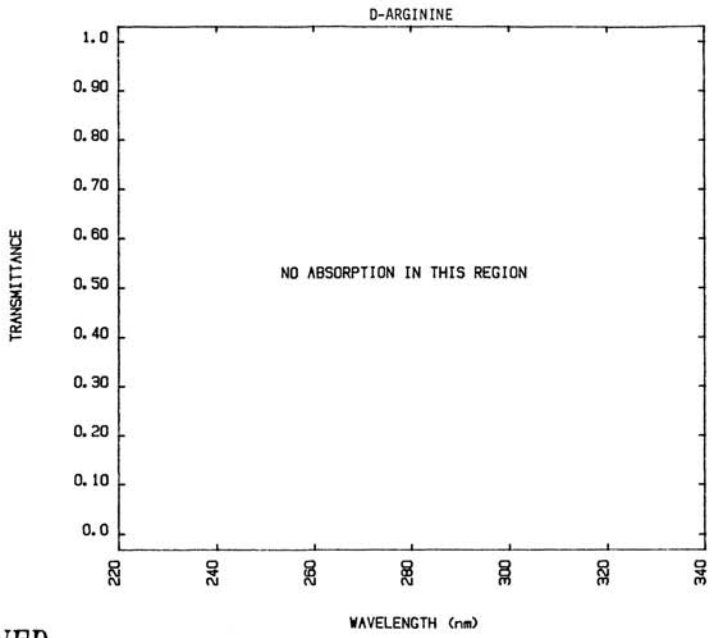
$C_6H_{14}N_4O_2$

Molecular weight: 174.20 (174.11)
Synonyms: 2-Amino-5-guanidinovaleric acid

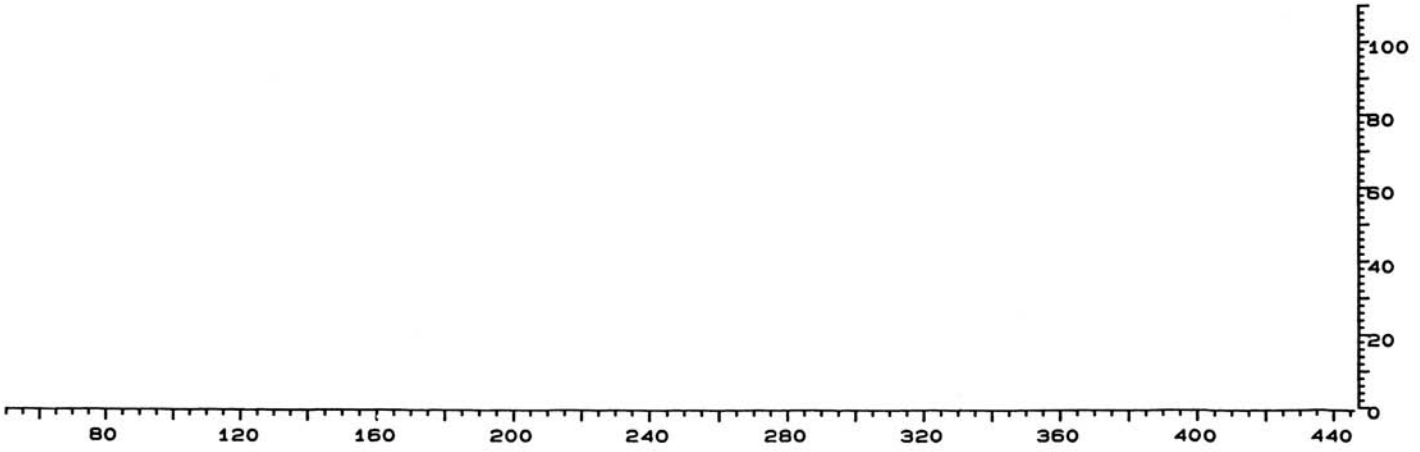
Trade names: Argivene, R-gene

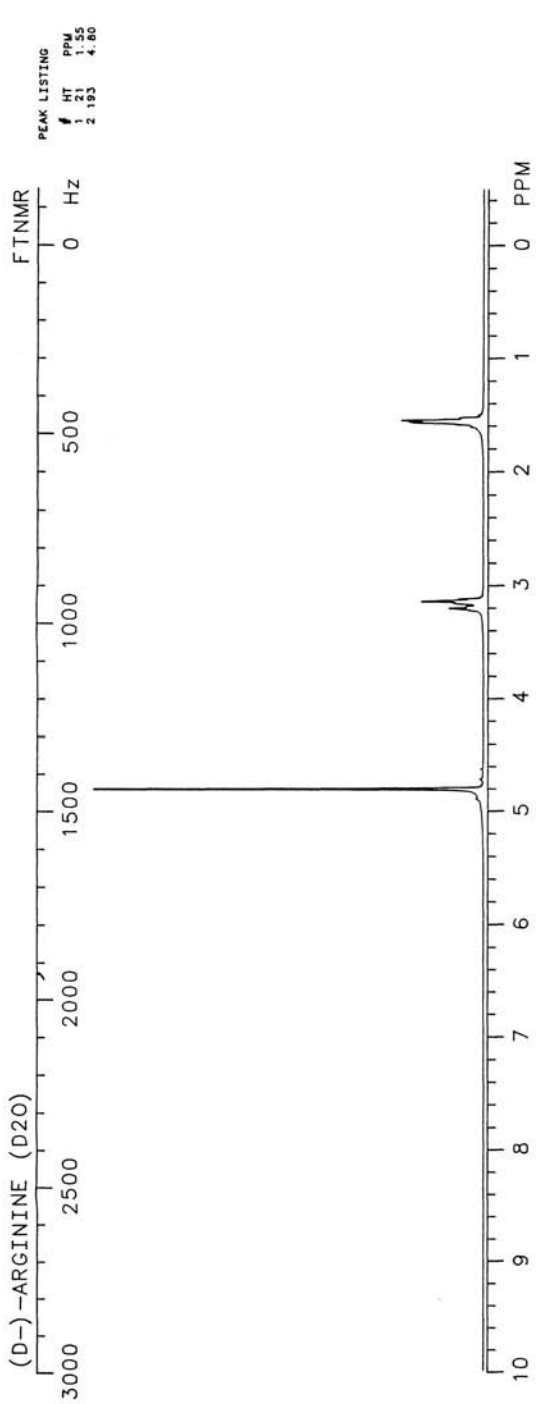
Use: Diagnostic aid; ammonia detoxicant
HPLC:
GC:

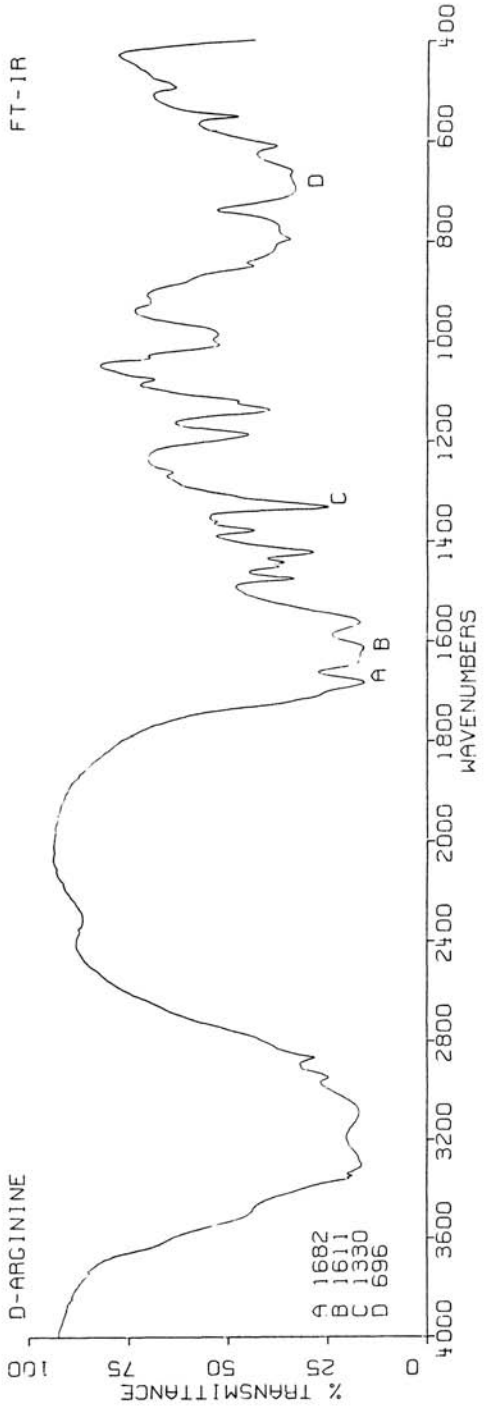




NO USEFUL MASS SPECTRUM WAS OBTAINED




(D-)-ARGININE (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 21 1.55
2 193 4.80
10
9
8
7
6
5
4
3
2
1
0 PPM


FT-IR
D-ARGININE
A 1682
B 1611
C 1330
D 696
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A B
C
D

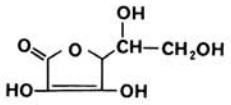
ASCORBIC ACID

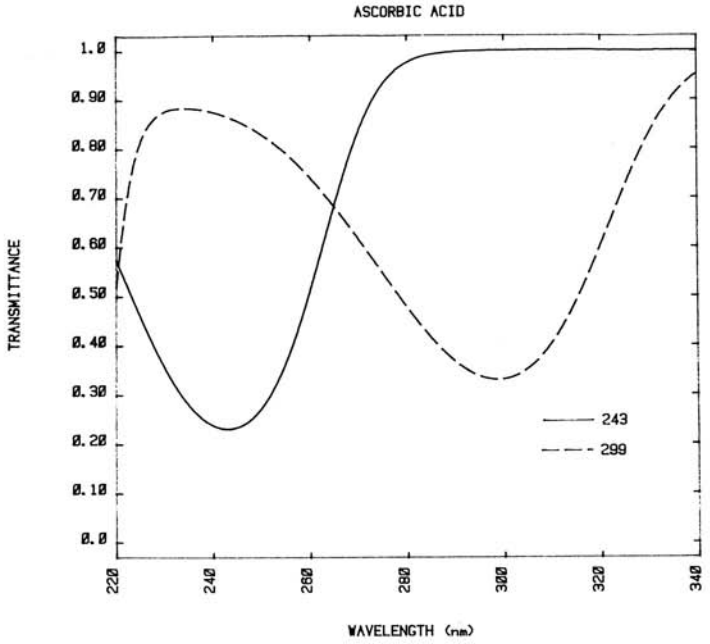
$C_6H_8O_6$

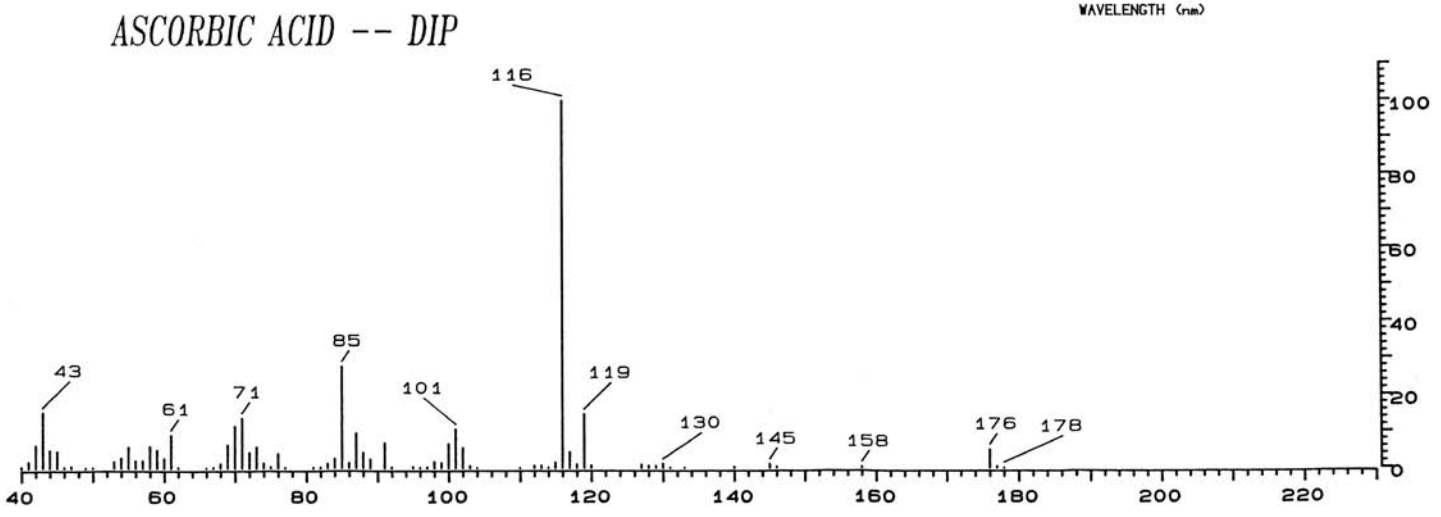
Molecular weight: 176.32 (176.13)
Synonyms: Vitamin C; l-ascorbic acid

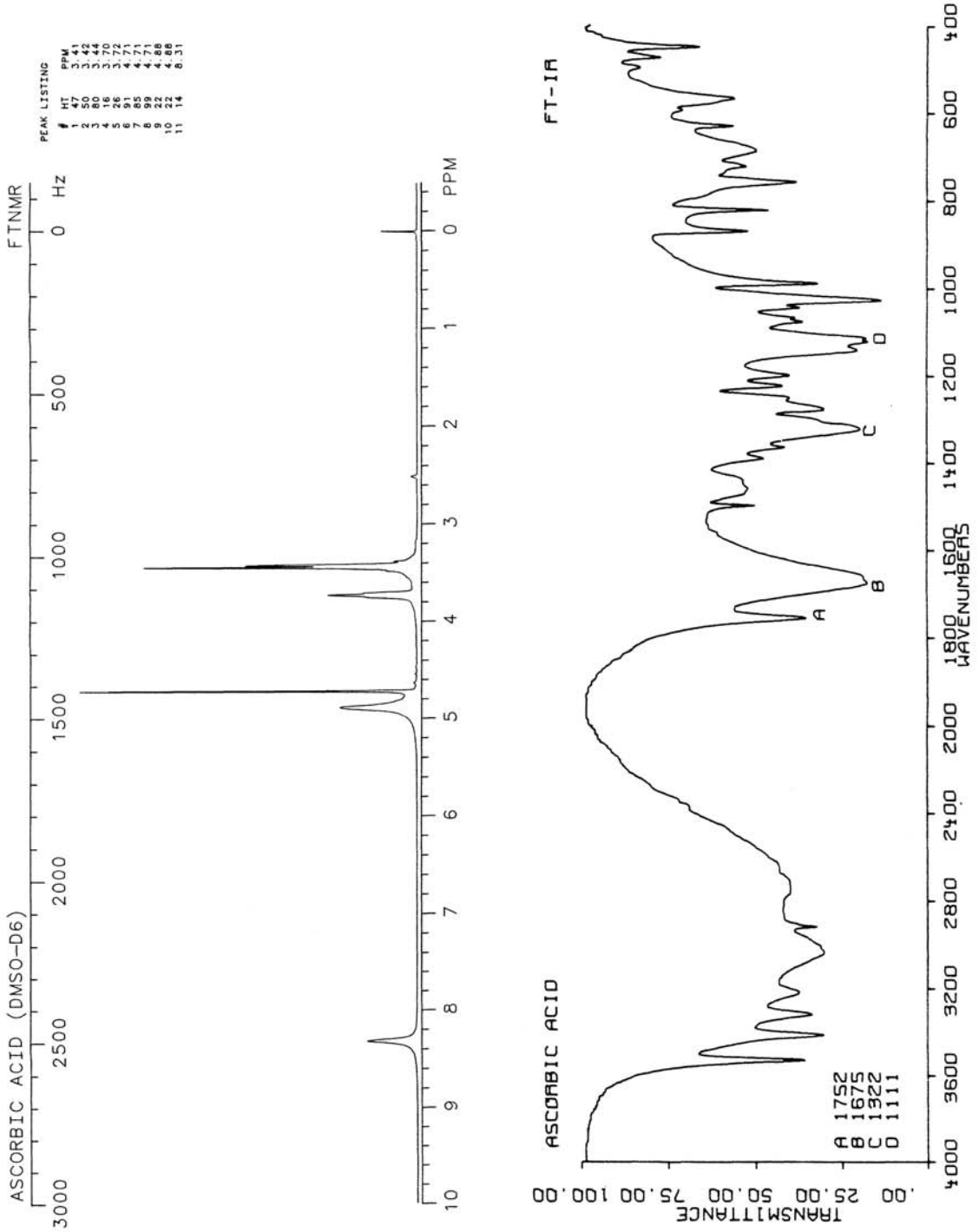
Trade names: Numerous preparations

Use: Vitamin C deficiency
HPLC:
GC:








ASCORBIC ACID (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 47 3.41
2 50 3.42
3 80 3.44
4 16 3.70
5 26 3.72
6 31 4.71
7 85 4.71
8 99 4.71
9 22 4.88
10 22 4.88
11 14 8.31
ASCORBIC ACID
FT-IR
A 1752
B 1675
C 1322
D 1111
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

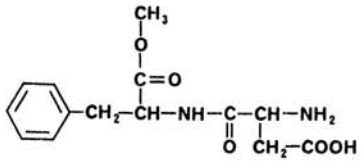
ASPARTAME

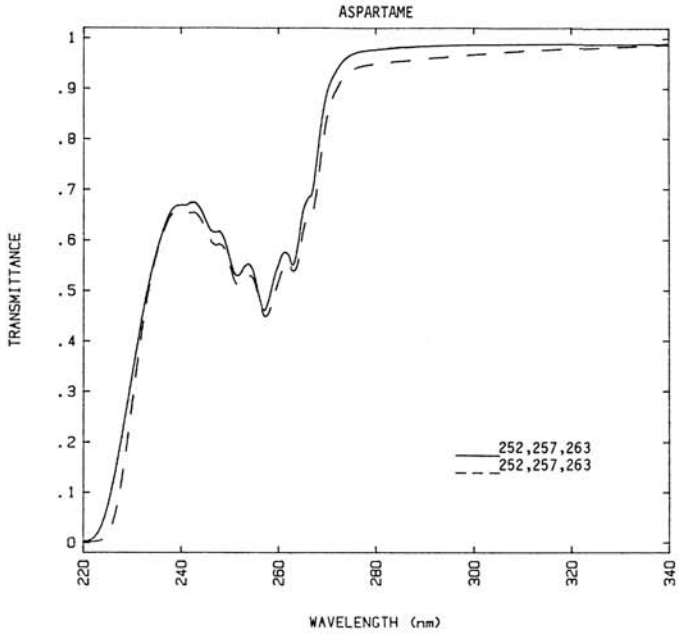
$C_{14}H_{18}N_2O_5$

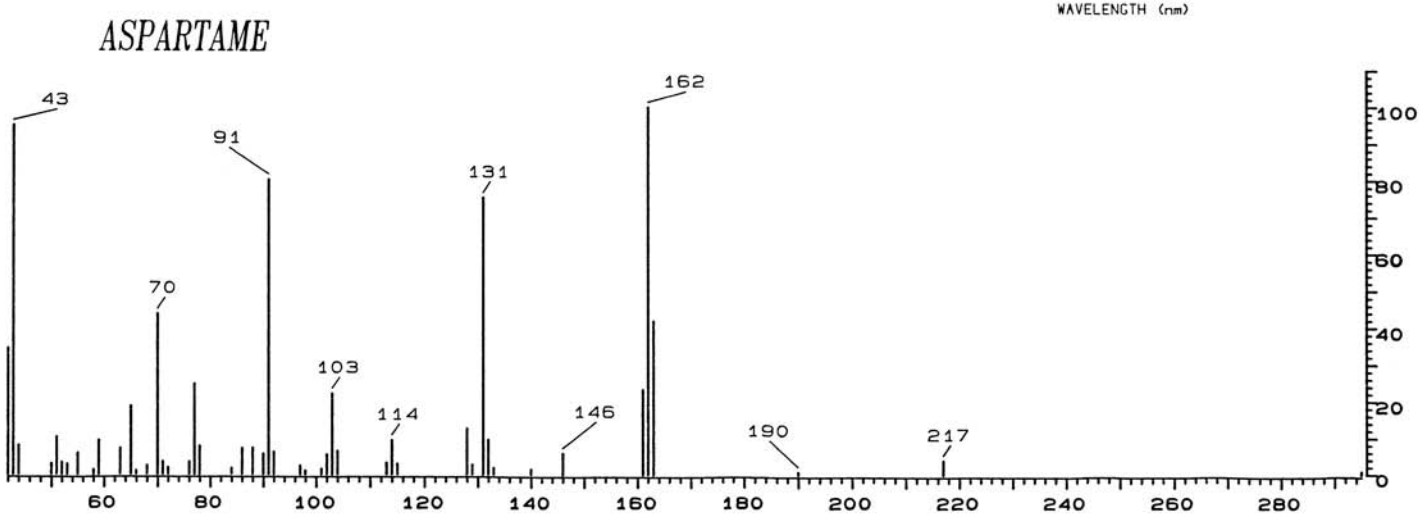
Molecular weight: 294.30 (294.12)
Synonyms: N-L-α-Aspartyl-L-phenylalanine methyl ester

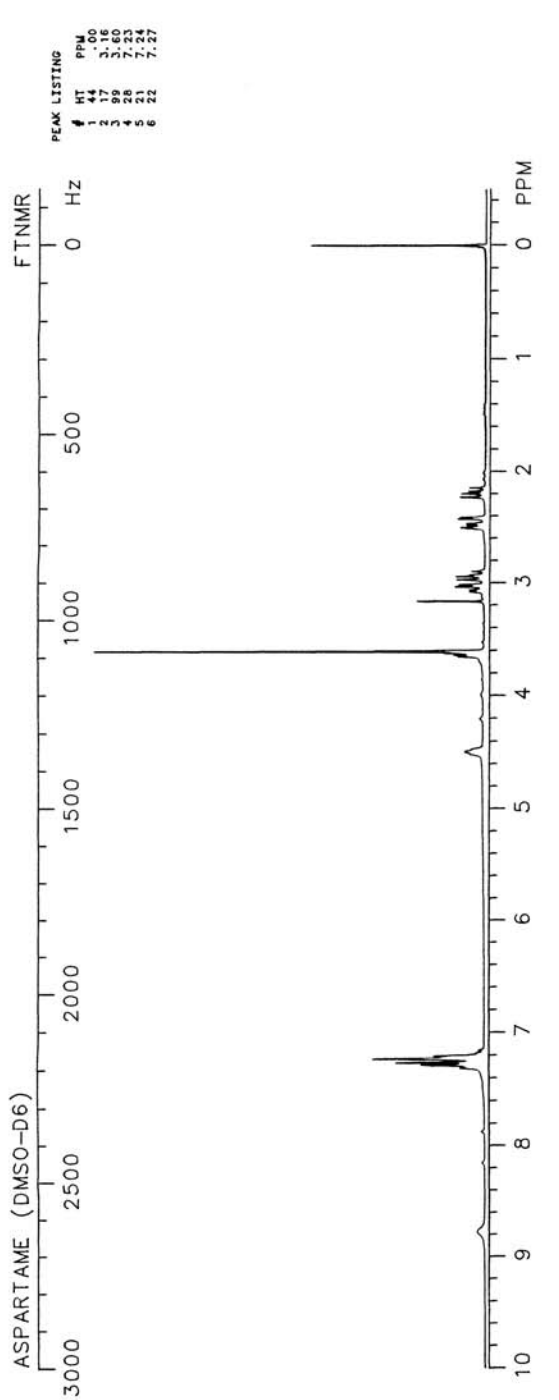
Trade names: Equal, Tri-Sweet, Nutra-Sweet

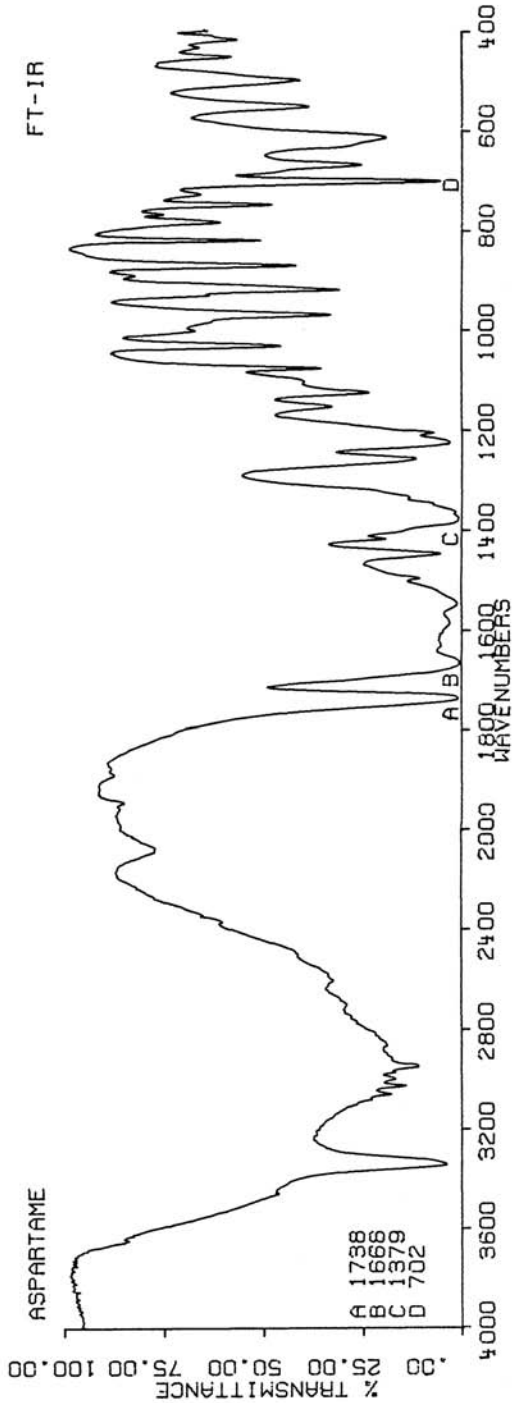
Use: Sweetener
HPLC: Si-10; 20A:80B; 6.5
GC: 1723; 200°C







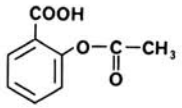

FTNMR
ASPARTAME (DMSO-D6)
PEAK LISTING
HT PPM
1 44 .00
2 17 3.35
3 99 3.60
4 28 7.23
5 21 7.24
6 22 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

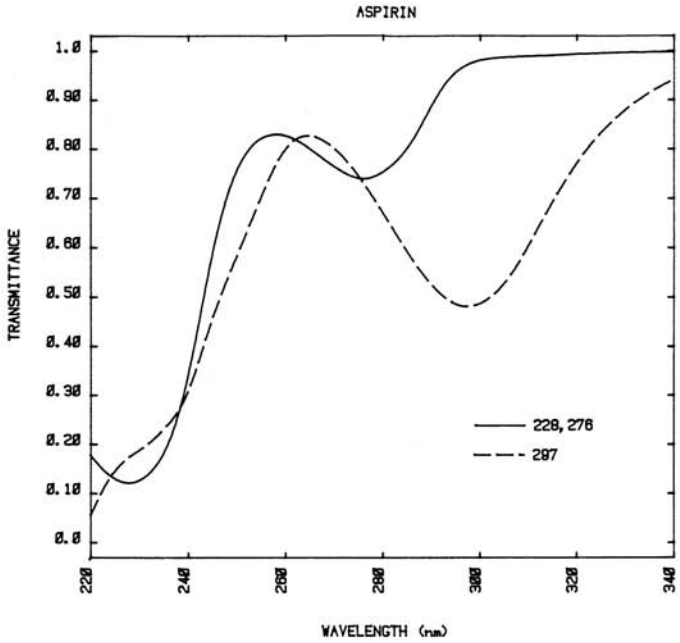

FT-IR
ASPARTAME
A 1738
B 1666
C 1379
D 702
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

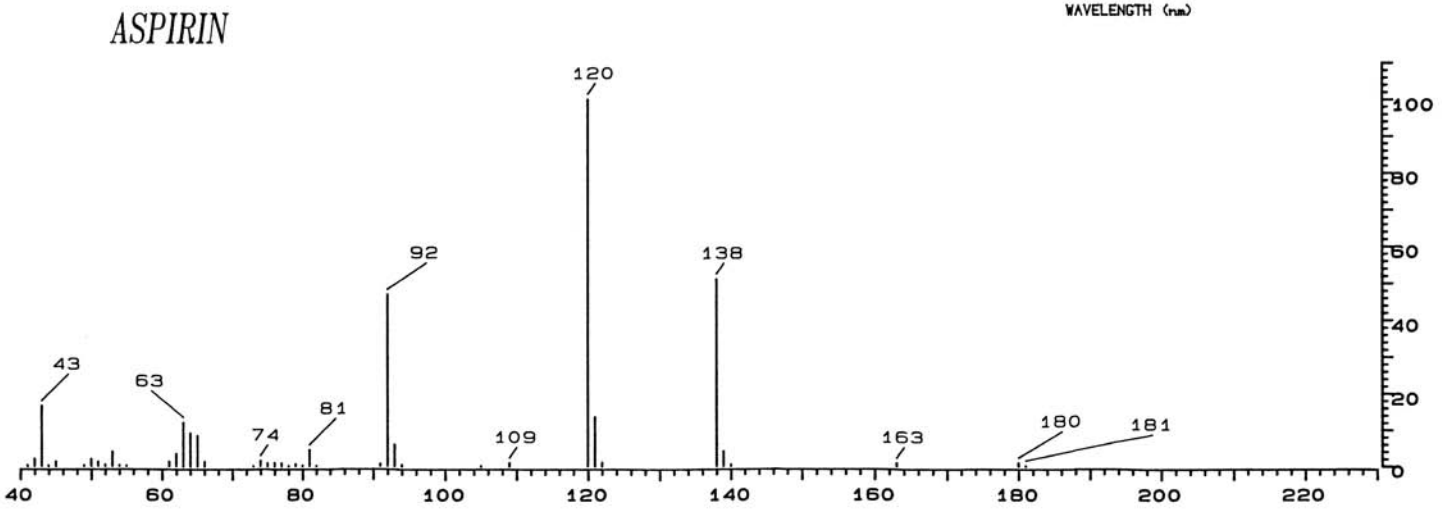
ASPIRIN

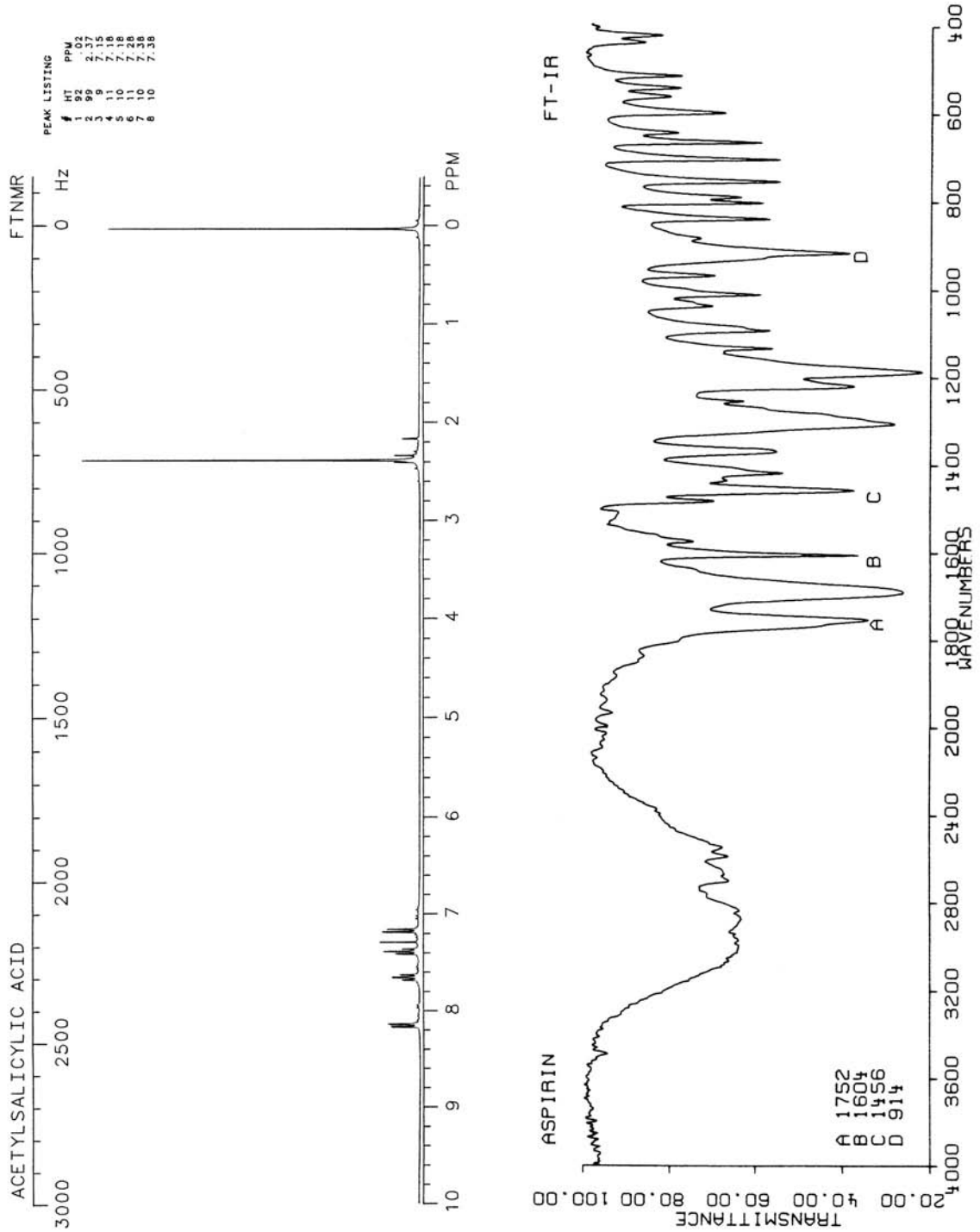
$C_9H_8O_4$

Molecular weight: 180.16 (180.04)
Synonyms: 2-(Acetyloxy)benzoic acid; salicylic acid acetate; acetylsalicylic acid
Trade names: A.S.A., Ascription, Bayer, Bufferin, Empirin, Emprazil, Excedrin, Midol, Vanquish
Use: Analgesic, antipyretic, anti-inflammatory
HPLC: Si-10; 20A:80B; 5.0
GC:







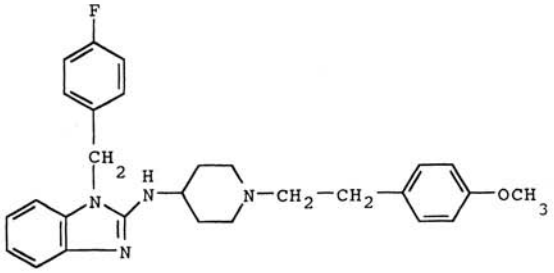

ACETYLSALICYLIC ACID
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 92 2.02
2 90 2.17
3 9 7.15
4 11 7.18
5 10 7.28
6 11 7.38
7 10 7.38
8 10 7.38
ASPIRIN
FT-IR
A 1752
B 1604
C 1456
D 914
A
B
C
D
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

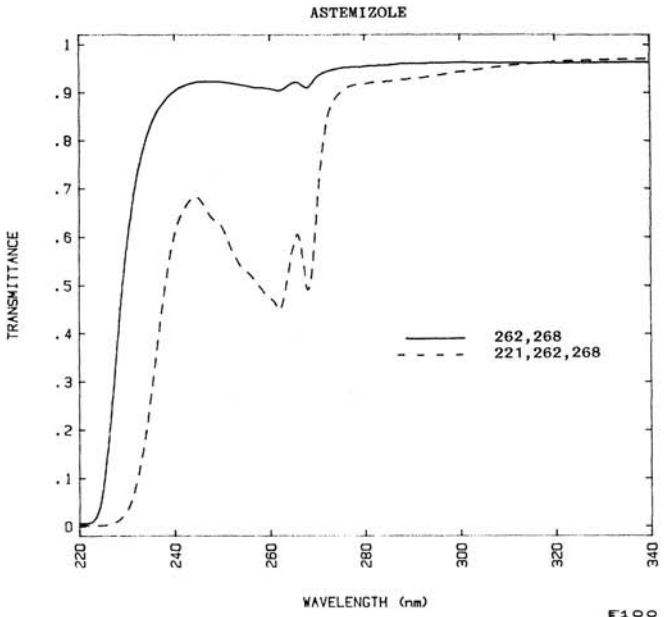
ASTEMIZOLE

$C_{28}H_{31}FN_4O$

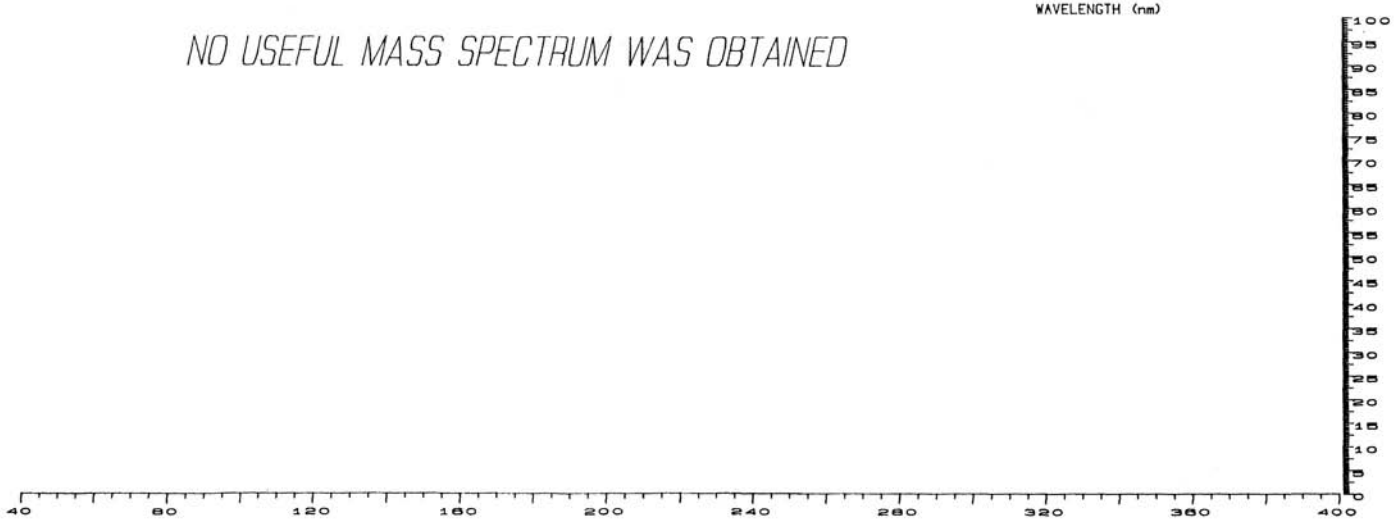
Molecular weight: 458.59 (458.25)

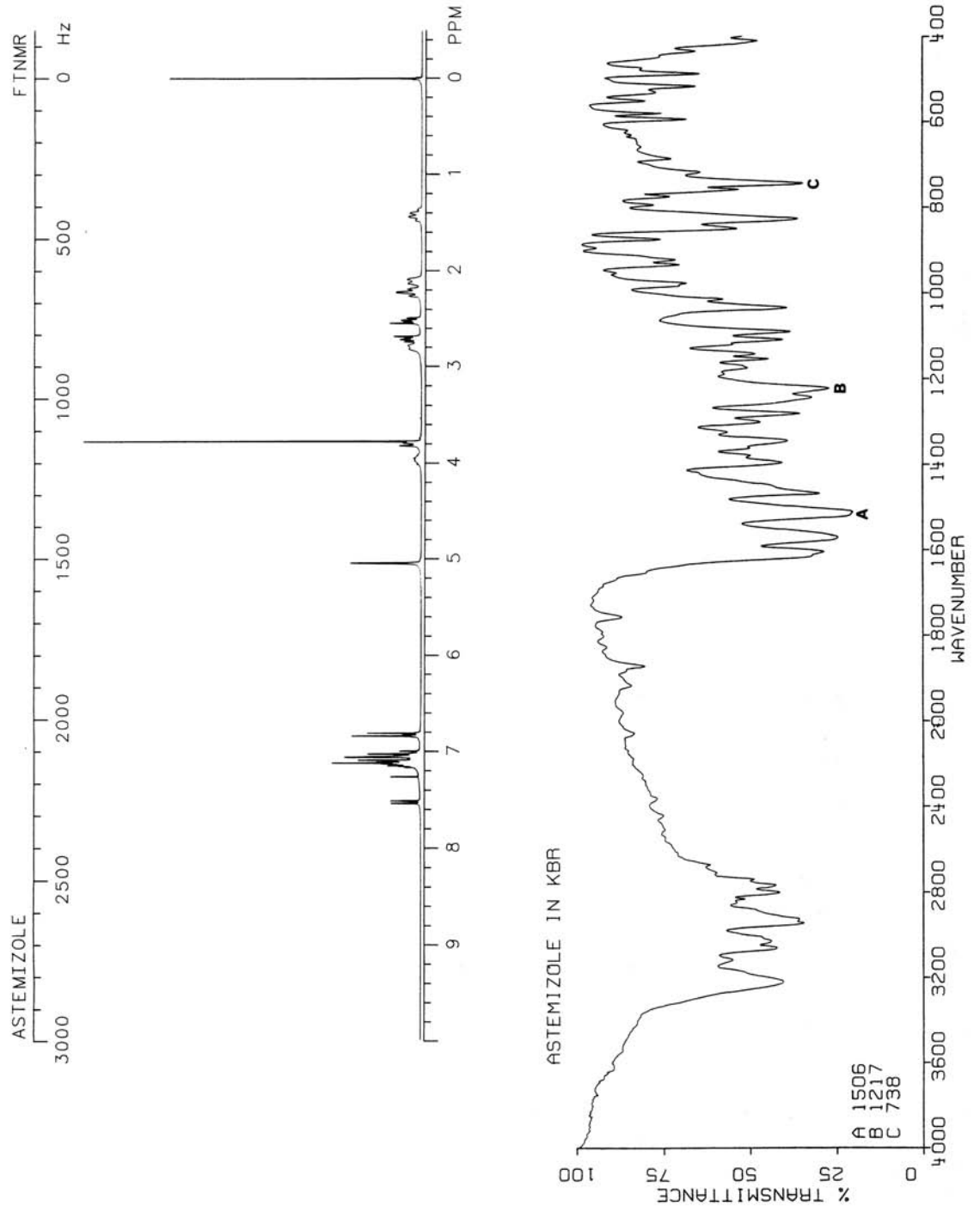
Synonyms: 1-[(4-Fluorophenyl)methyl]-N-[1-[2-(4-methoxyphenyl) ethyl]-4-piperidinyl]=1H-benzimidazol-2-amine
Trade names: Astemisan, Hismanal, Histamen, Histaminos, Histazol, Kelp, Laridol, Metodik, Novo-Nastizol, Paralergin, Retulen, Waruzol
Use: Anti-allergic, antihistaminic
HPLC: 70A:30B; 3.2
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



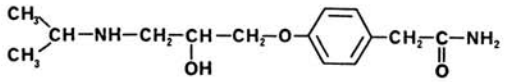

FTNMR
ASTEMIZOLE
3000
2500
2000
1500
1000
500
0 Hz
9
8
7
6
5
4
3
2
1
0 PPM
ASTEMIZOLE IN KBR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A 1506
B 1217
C 738
A
B
C

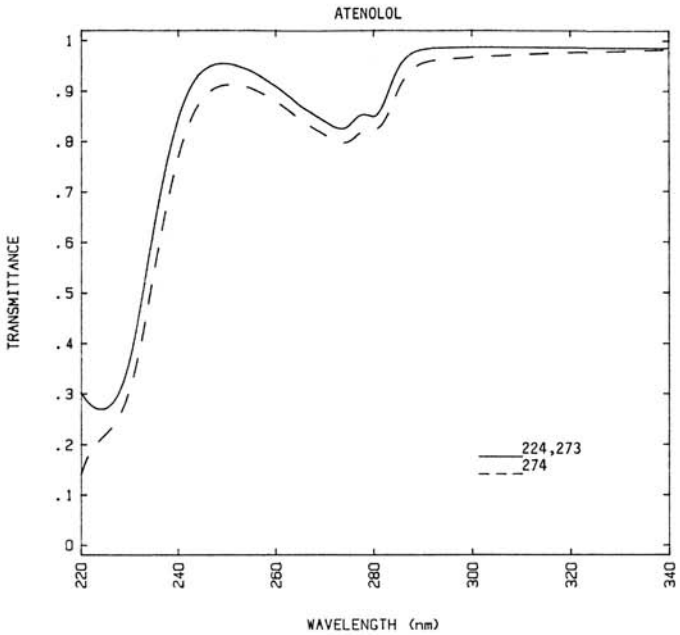
ATENOLOL

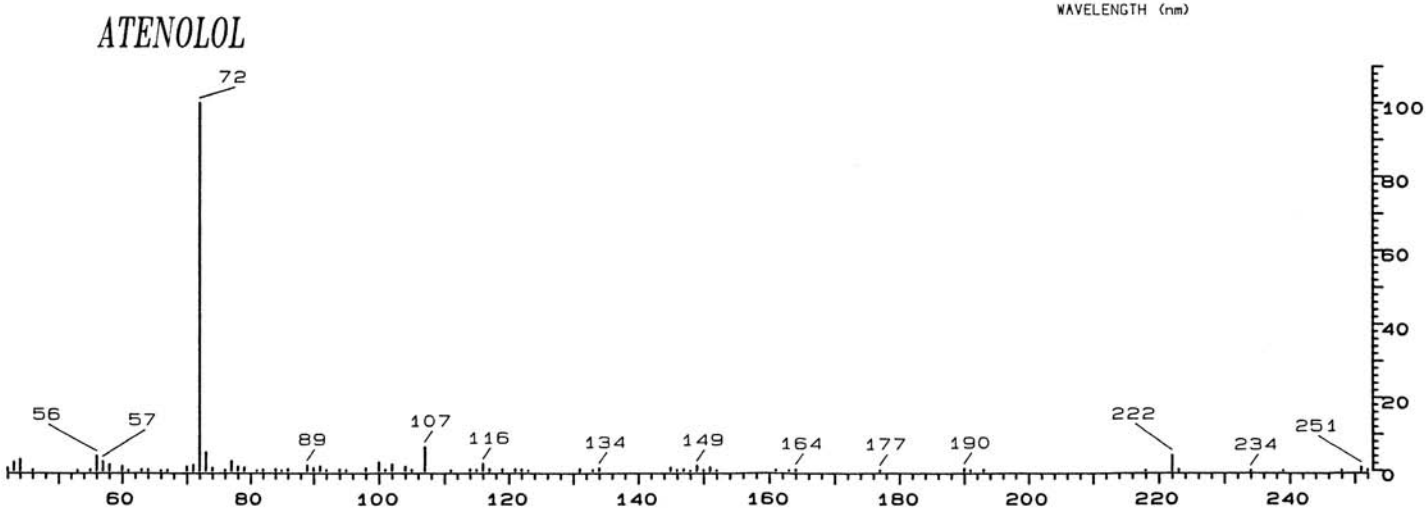
$C_{14}H_{22}N_2O_3$

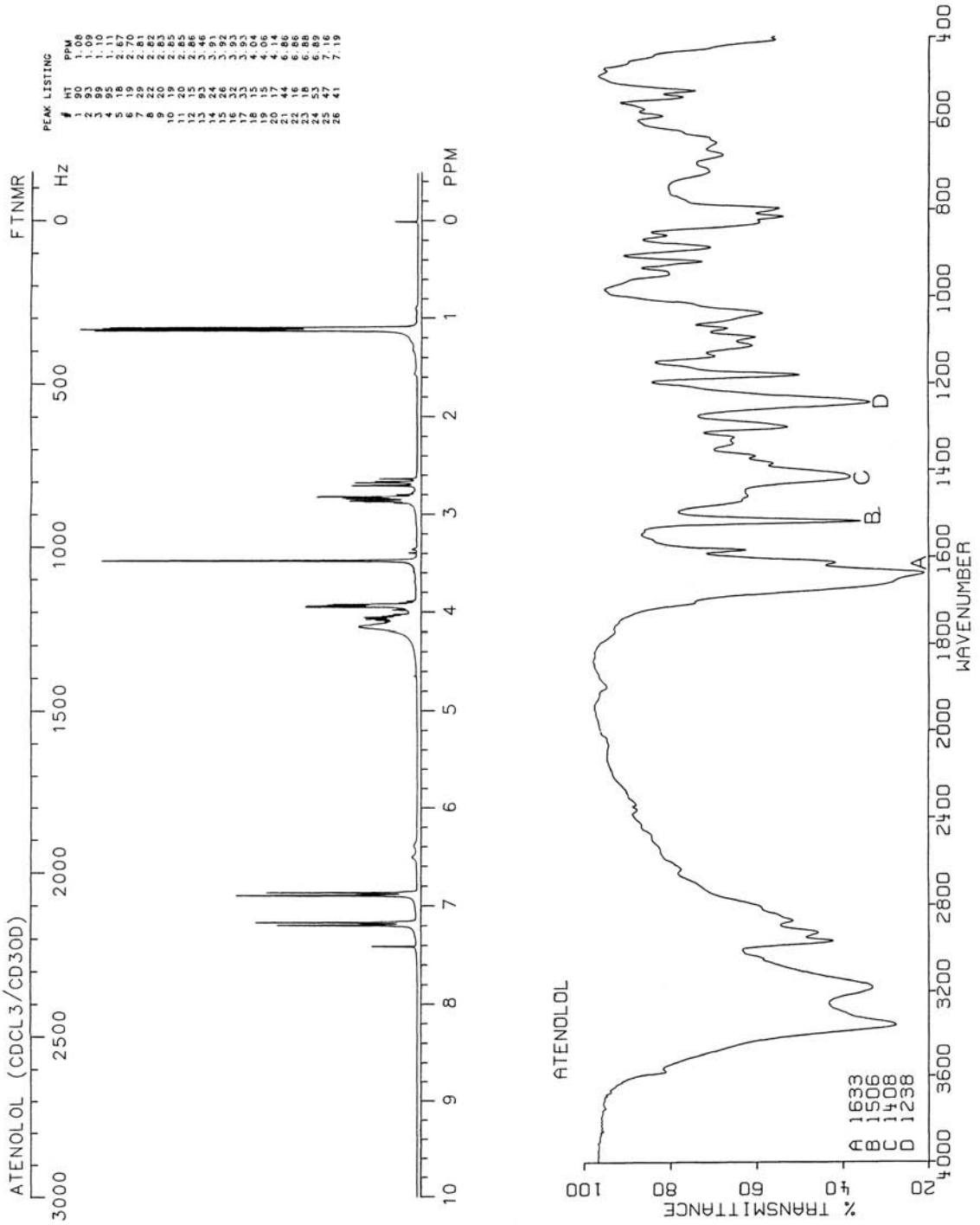
Molecular weight: 266.34 (266.16)
Synonyms: 4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy] benzeneacetamide
Trade names: Tenoretic, Tenormin

Use: Beta-adrenergic blocker
HPLC: Si-10; 20A:80B; 7.7
GC: 2464; 250°C








ATENOLOL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 90 1.08
2 93 1.09
3 89 1.10
4 95 1.11
5 18 1.67
6 19 2.70
7 29 2.81
8 22 2.82
9 20 2.85
10 19 2.85
11 20 2.85
12 15 2.86
13 93 3.46
14 24 3.91
15 26 3.92
16 32 3.93
17 33 3.93
18 15 4.04
19 15 4.06
20 17 4.14
21 44 6.86
22 16 6.86
23 18 6.88
24 53 6.89
25 47 7.16
26 41 7.19
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ATENOLOL
A 1633
B 1506
C 1408
D 1238
A
B
C
D
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

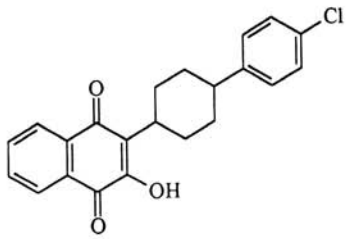
ATOVAQUONE

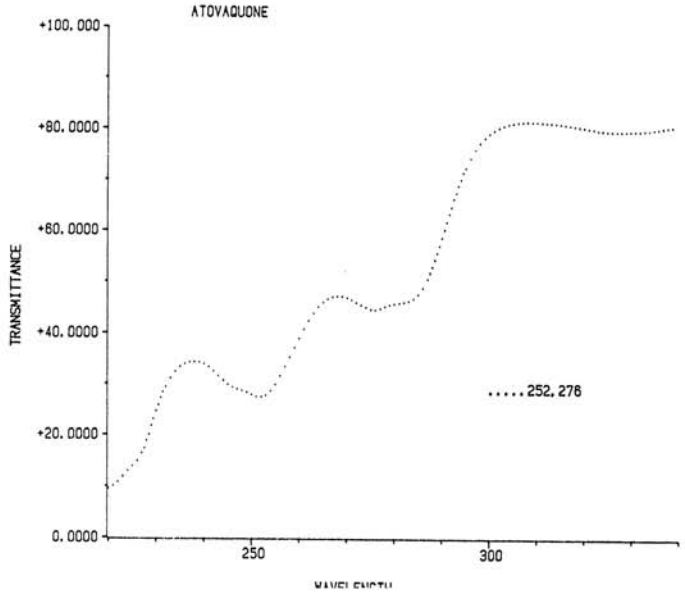
$C_{22}H_{19}ClO_3$

Molecular Weight: 366.84 (366.10)

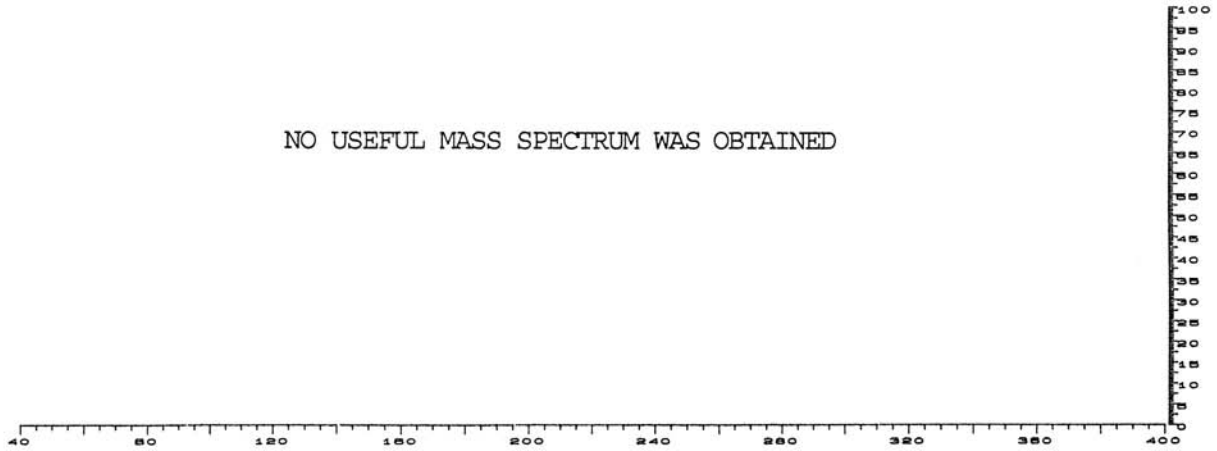
Synonyms: Trans-2-[4-(-Chlorophenyl)cyclohexyl]-3-hydroxy-1,4-naphthalenedione
Trade Names: Mepron
Use: Antiprotozoal

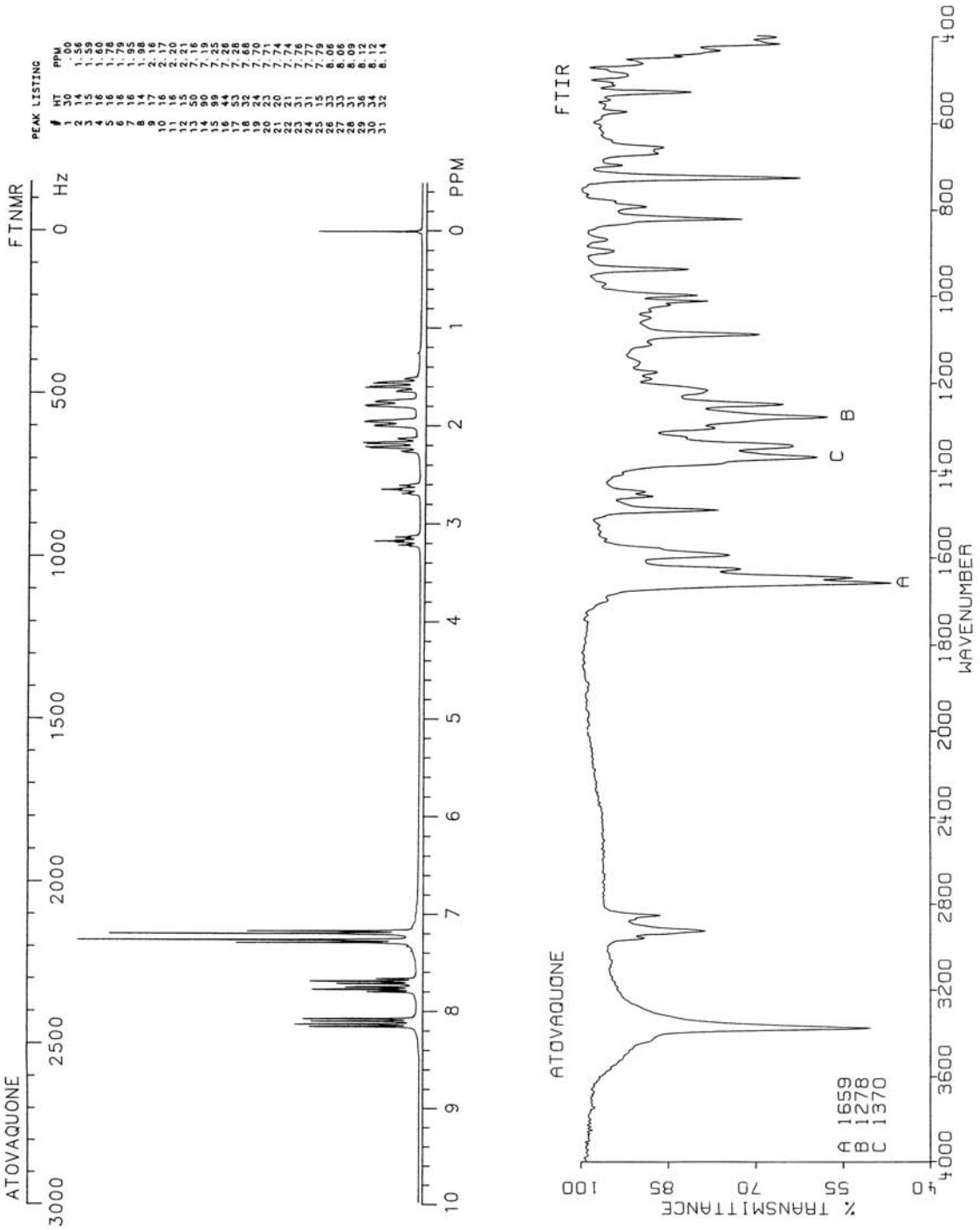
HPLC: Methanol: 2.8
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




ATOVAQUONE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 30 1.00
2 14 1.56
3 15 1.59
4 16 1.60
5 16 1.78
6 16 1.79
7 14 1.95
8 17 1.98
9 16 2.16
10 16 2.17
11 16 2.20
12 15 2.21
13 50 7.16
14 90 7.19
15 99 7.25
16 44 7.26
17 53 7.28
18 32 7.68
19 24 7.70
20 20 7.71
21 21 7.74
22 21 7.76
23 31 7.77
24 31 7.79
25 15 8.06
26 33 8.08
27 31 8.09
28 36 8.12
29 34 8.12
30 34 8.14
31 32 8.14
ATOVAQUONE
FTIR
A 1659
B 1278
C 1370
A
B
C
100 85 70 55 40 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

ATRACURIUM BESYLATE

$C_{65}H_{82}N_2O_{18}S_2$

Molecular weight: 1243.51 (1242.50)

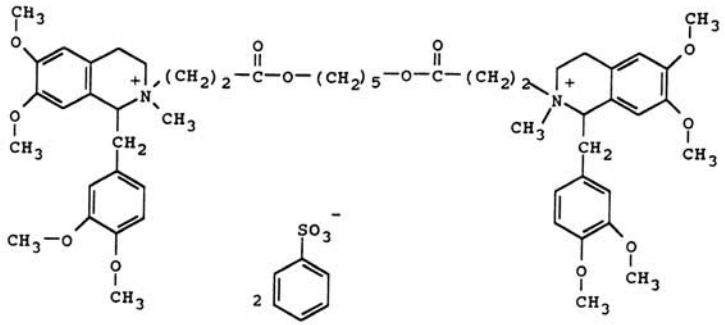
Synonyms: 2,2'-[1,5-Pentanediylbis[oxy(3-oxo-3,1-propanediyl)]] bis[1-[(3,4-dimethoxyphenyl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyliso-quinolinium]dibenzenesulfonate

Trade names: Tracrium

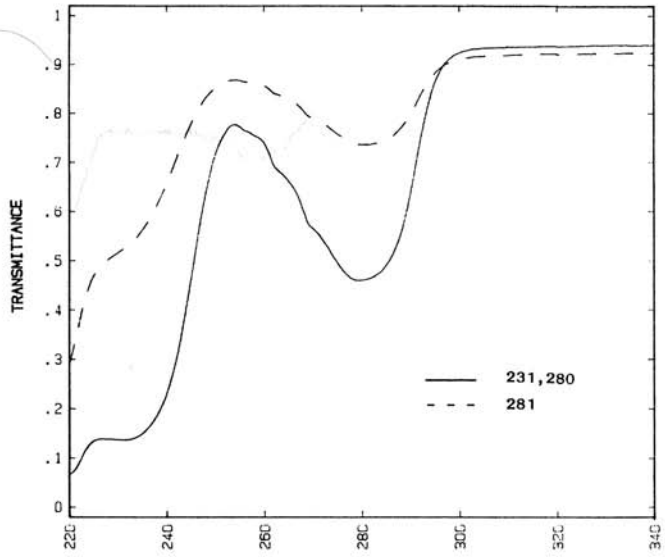
Use: Muscle relaxant

HPLC:

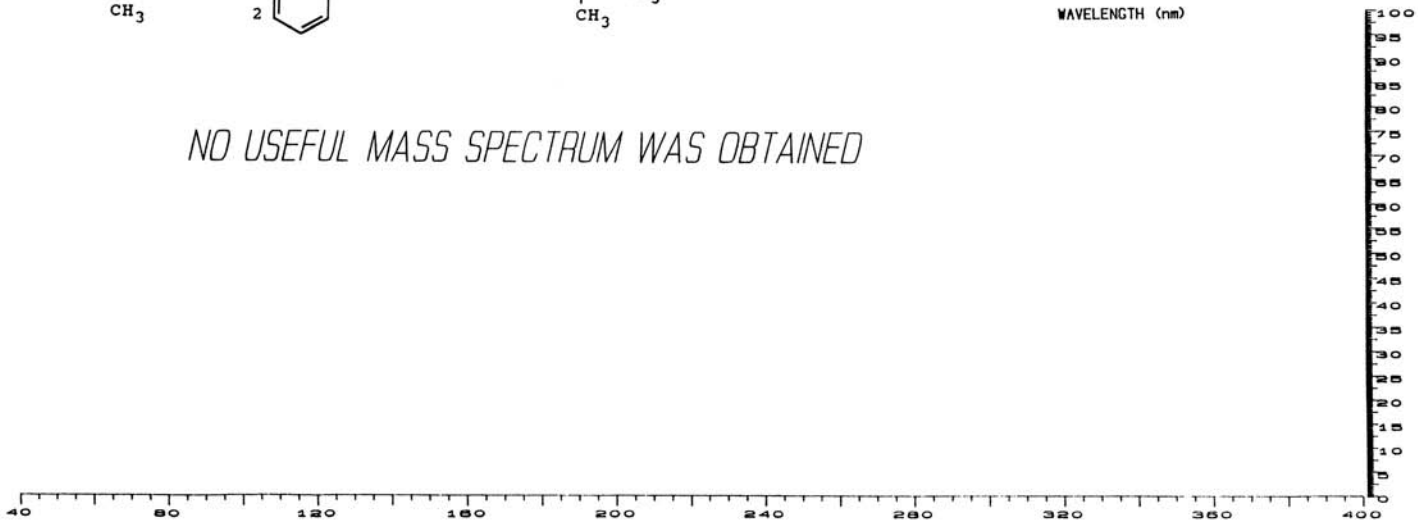
GC:

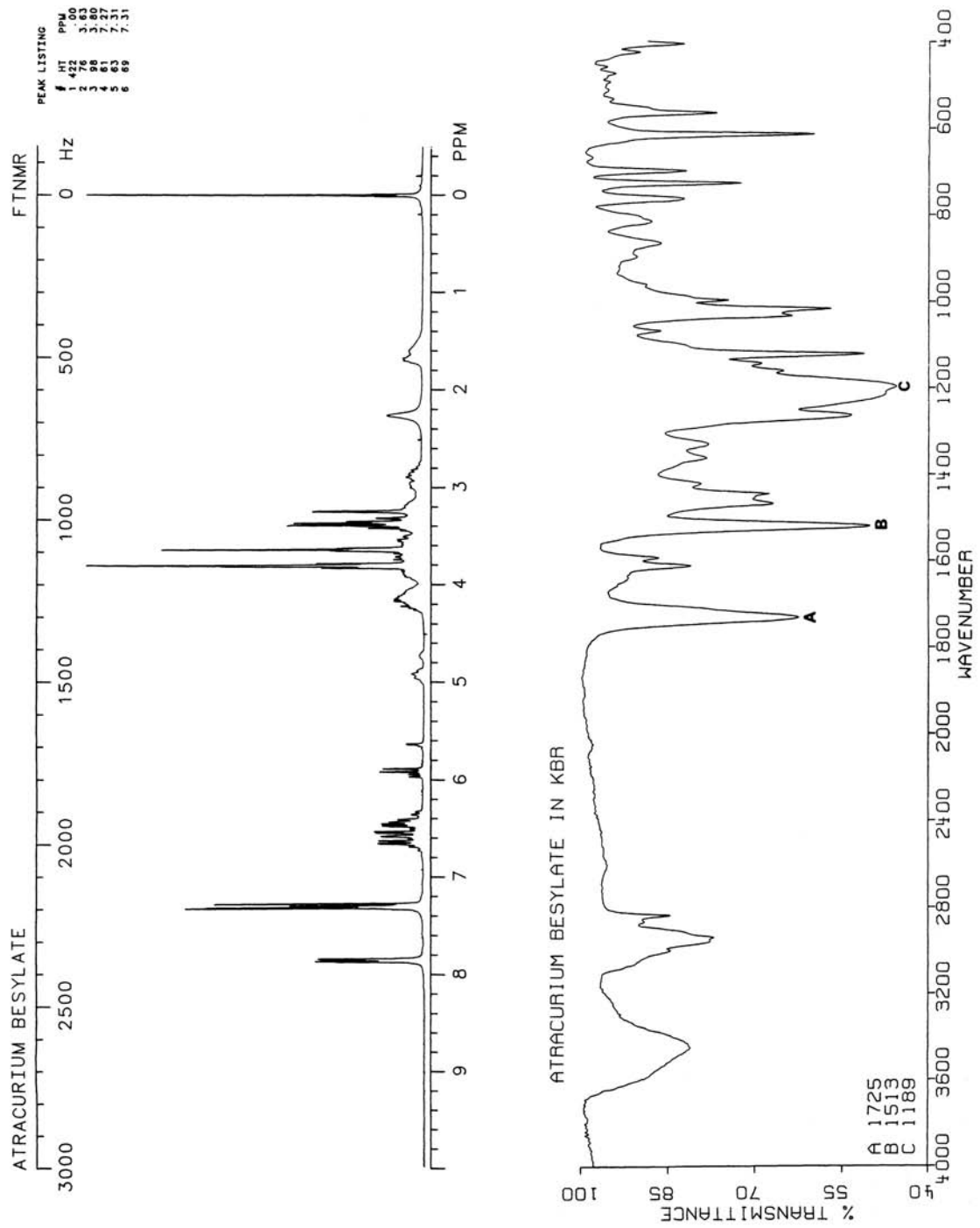


ATRACURIUM BESYLATE



NO USEFUL MASS SPECTRUM WAS OBTAINED

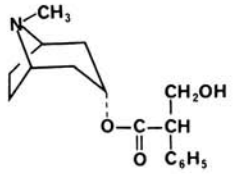


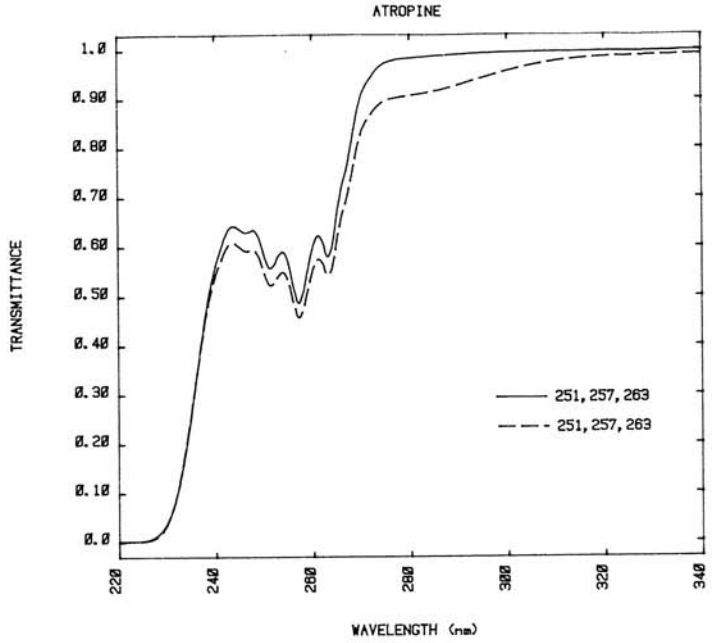

ATRACURIUM BESYLATE
FTNMR
PEAK LISTING
HT PPM
1 422 7.31
2 76 3.63
3 98 3.60
4 61 7.27
5 63 7.31
6 69 7.31
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
ATRACURIUM BESYLATE IN KBR
A 1725
B 1513
C 1189
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

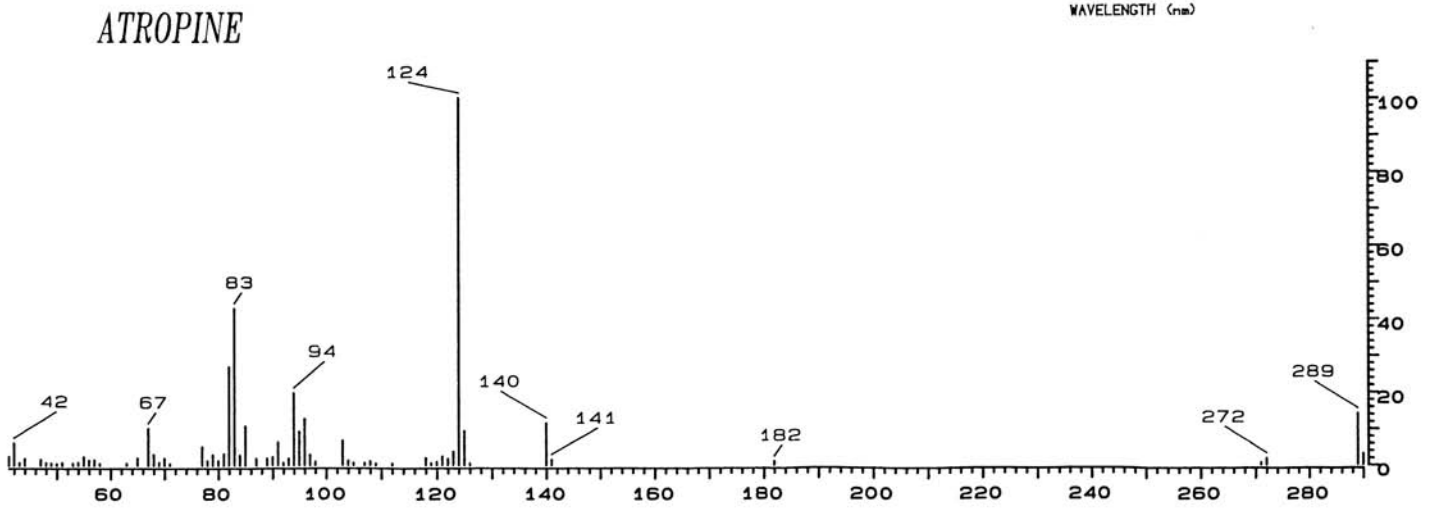
ATROPINE

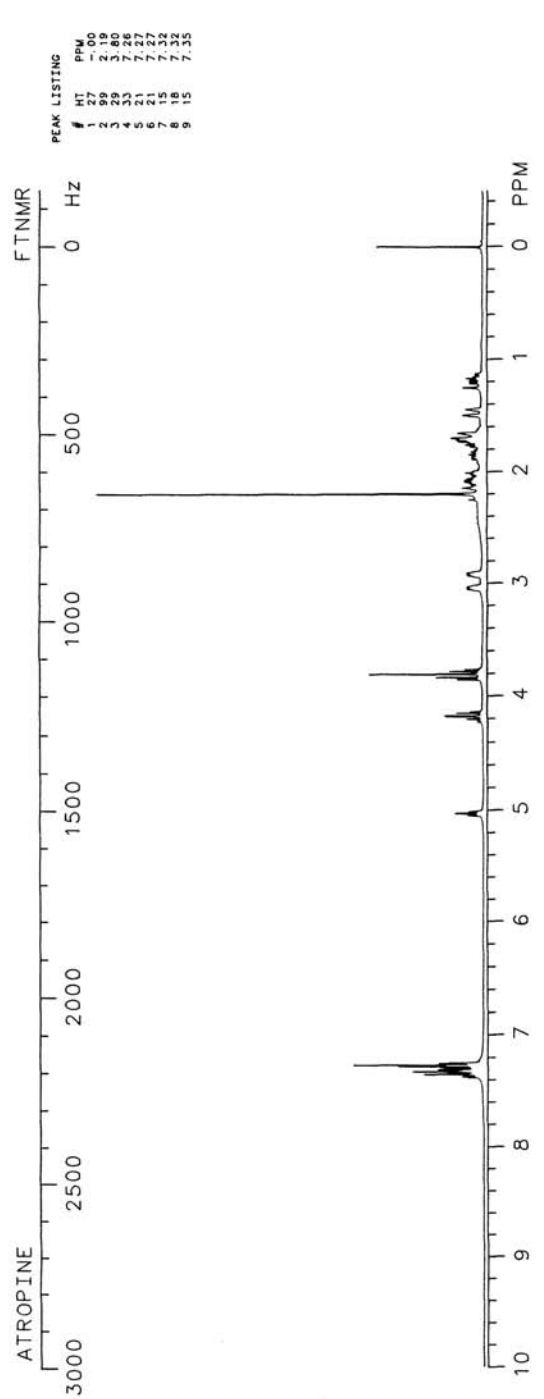
$C_{17}H_{23}NO_3$

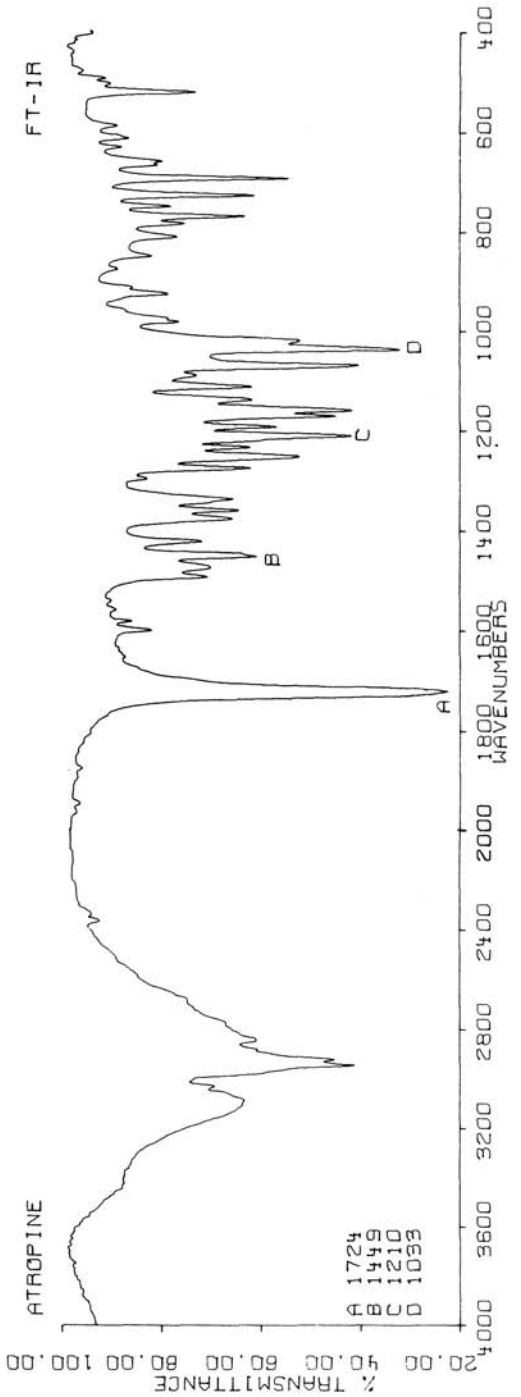
Molecular weight: 289.37 (289.17)
Synonyms: endo-(±)-α-(Hydroxymethyl)benzeneacetic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester; (±)-hyoscyamine
Trade names: Antrocol, Atropine, Butabell, Digestamic, Lomotil, Prosed, Urised
Use: Anticholinergic
HPLC: Si-10; 20A:80B; 6.8
GC: 2270; 250°C








ATROPINE
FTNMR
PEAK LISTING
HT PPM
1 27 1.00
2 29 2.19
3 29 3.80
4 33 7.26
5 21 7.27
6 21 7.27
7 15 7.32
8 18 7.32
9 15 7.35
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


ATROPINE
FT-IR
A 1724
B 1449
C 1210
D 1033
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

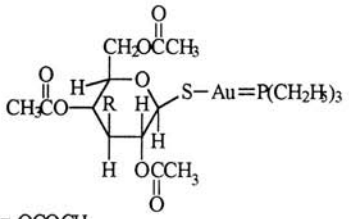
AURANOFIN

$C_{20}H_{34}AuO_9PS$

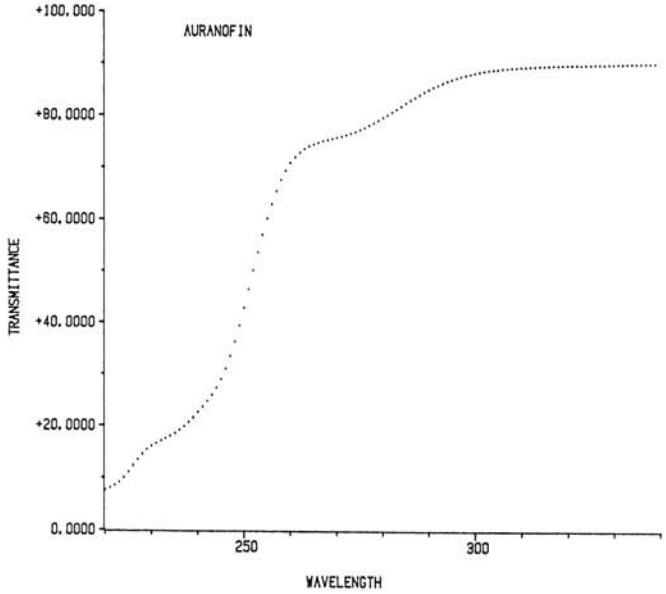
Molecular Weight: 678.48 (678.13)

Synonyms: (1-Thio-β-D-glucopyranase-2,3,4,6-tetraacetato-S)(triethylphosphine)gold
Trade Names: Aktil, Crisinar, Crisofin, Ridaura, Ridauran
Use: Antirheumatic

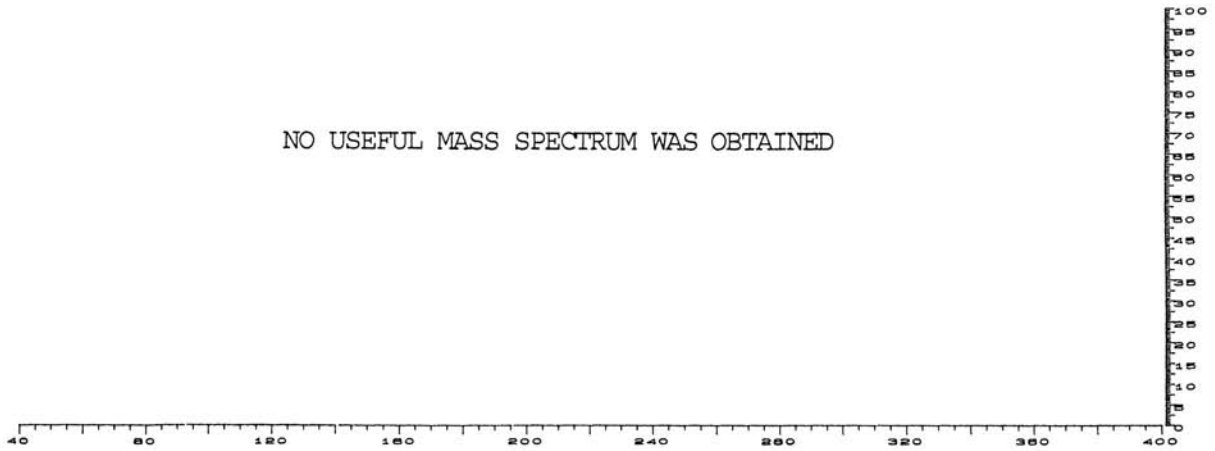
HPLC: Methanol: 2.5
GC:

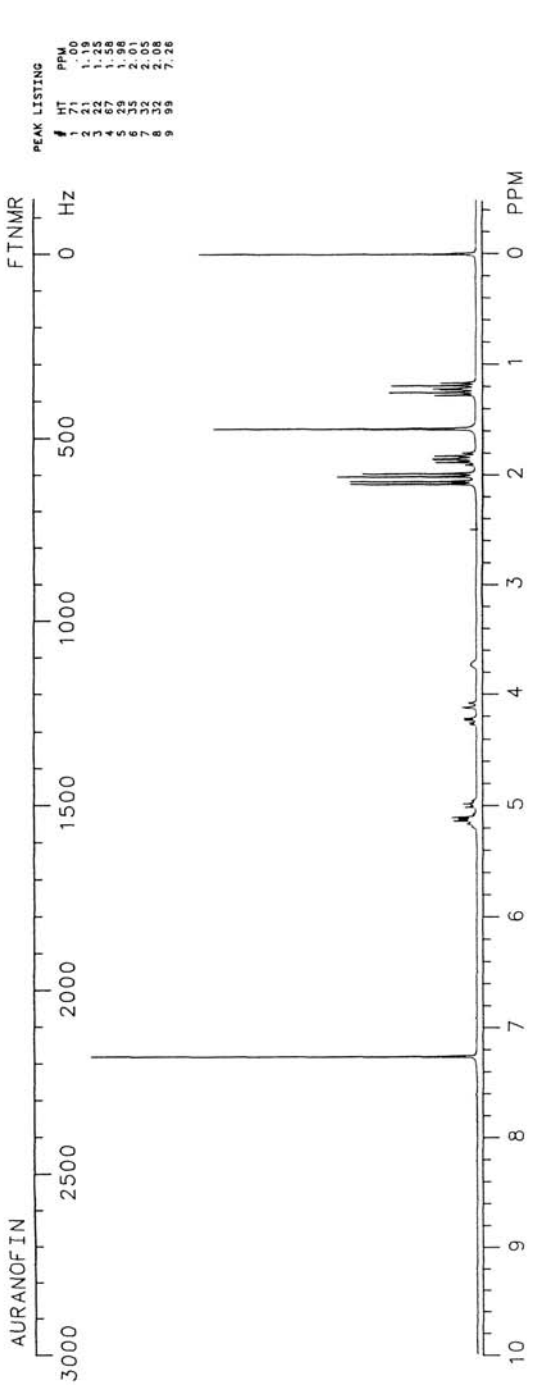


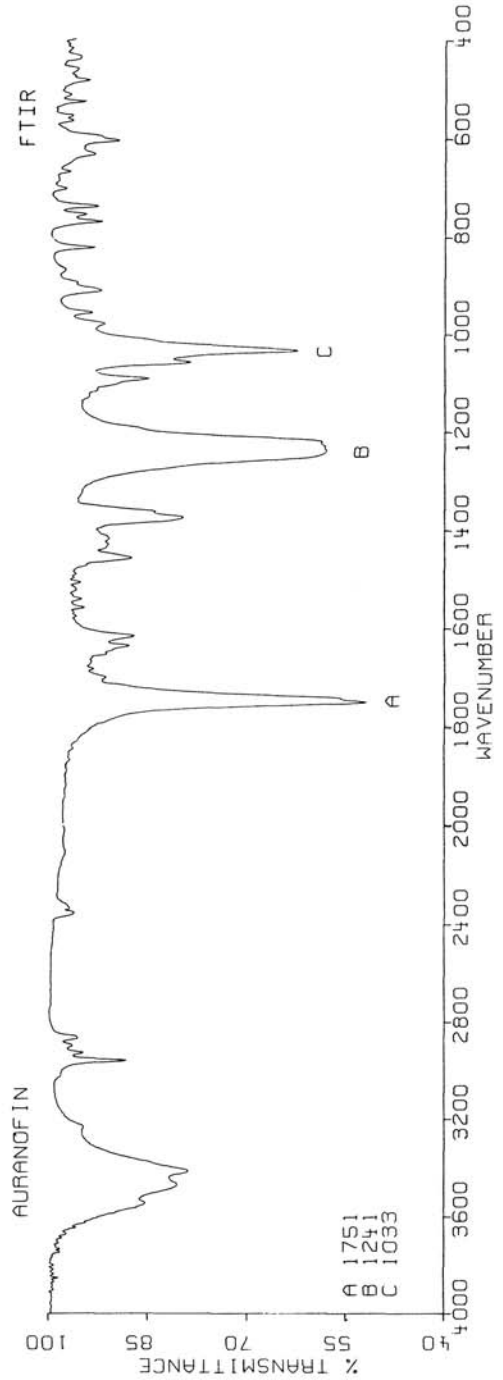
R = $OCOCH_3$



NO USEFUL MASS SPECTRUM WAS OBTAINED



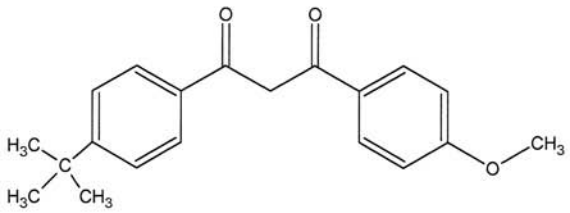

AURANOFIN
FTNMR
PEAK LISTING
HT PPM
1 71 .00
2 21 1.19
3 22 1.25
4 67 1.58
5 29 1.98
6 35 2.01
7 32 2.05
8 32 2.08
9 99 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

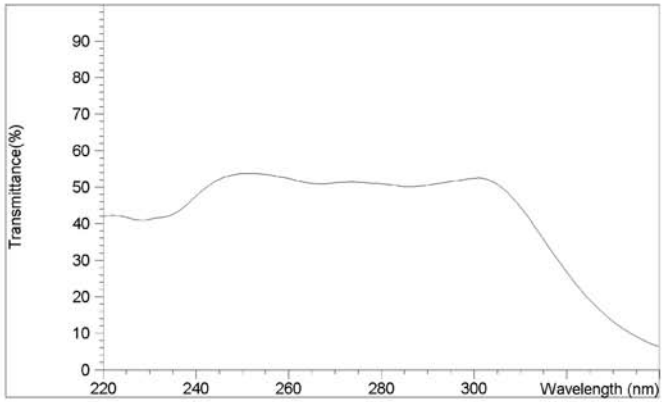

AURANOFIN
FTIR
A 1751
B 1241
C 1033
A
B
C
100 85 70 55 40
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

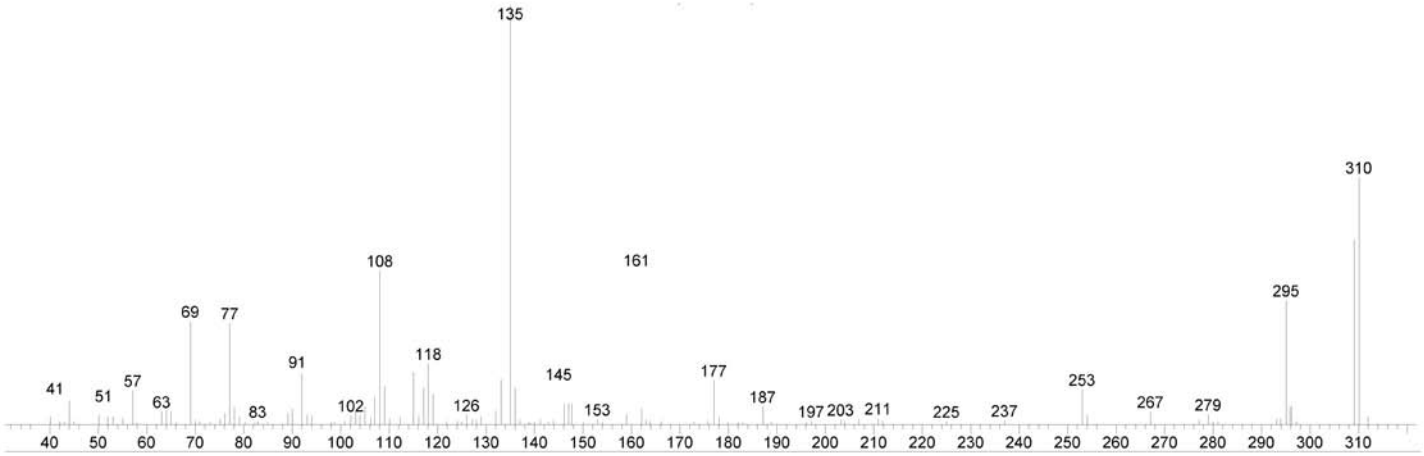
AVOBENZONE

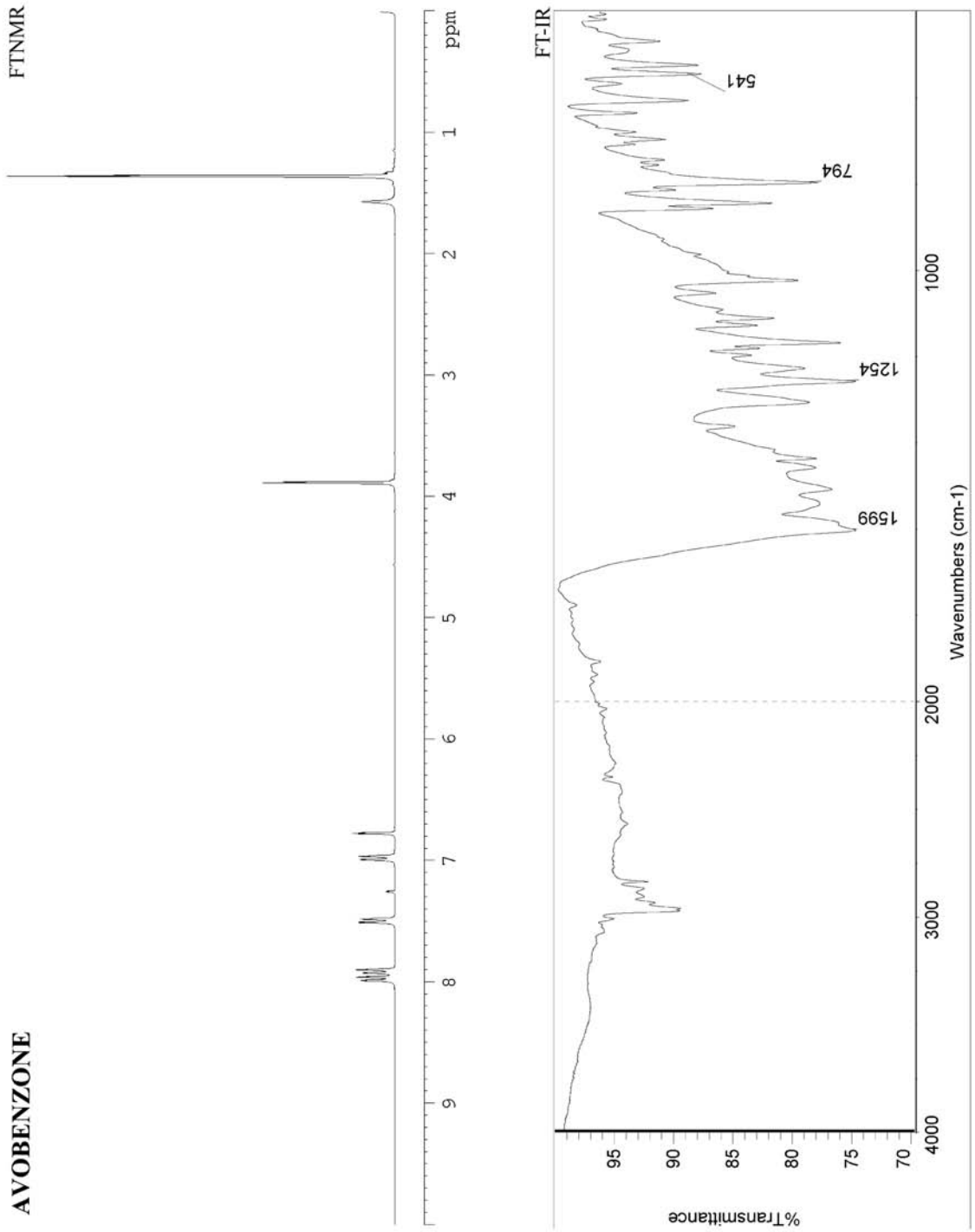
$C_{20}H_{22}O_3$

Molecular Weight: 310.39 (310.16)
Synonyms: 1-[4-(1,1-Dimethylethyl)phenyl]-3-(4-methoxyphenyl)-1, 3-propanedione;butyl methoxydibenzoylmethane
Trade names: component in Photoplex, PreSun Ultra 30
Use: UV-A blocker








AVOBENZONE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
541
794
1254
1599
%Transmittance
95
90
85
80
75
70
4000
3000
2000
1000
Wavenumbers (cm-1)

AZACONAZOLE

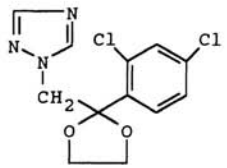
$C_{12}H_{11}Cl_2N_3O_2$

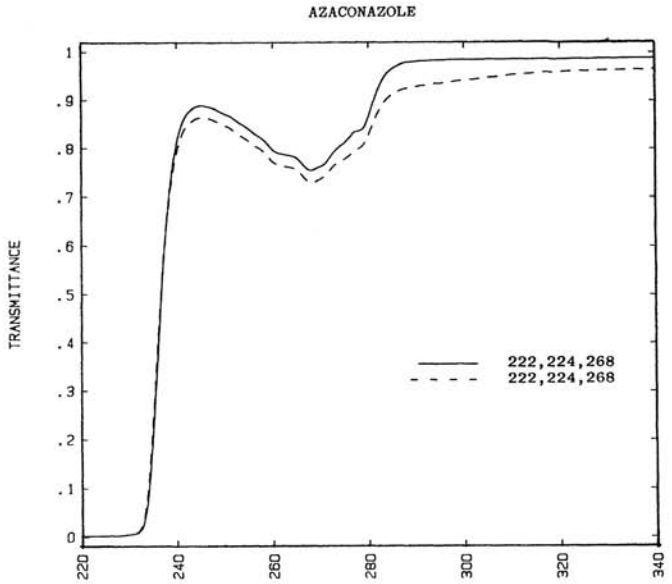
Molecular weight: 300.14 (299.02)

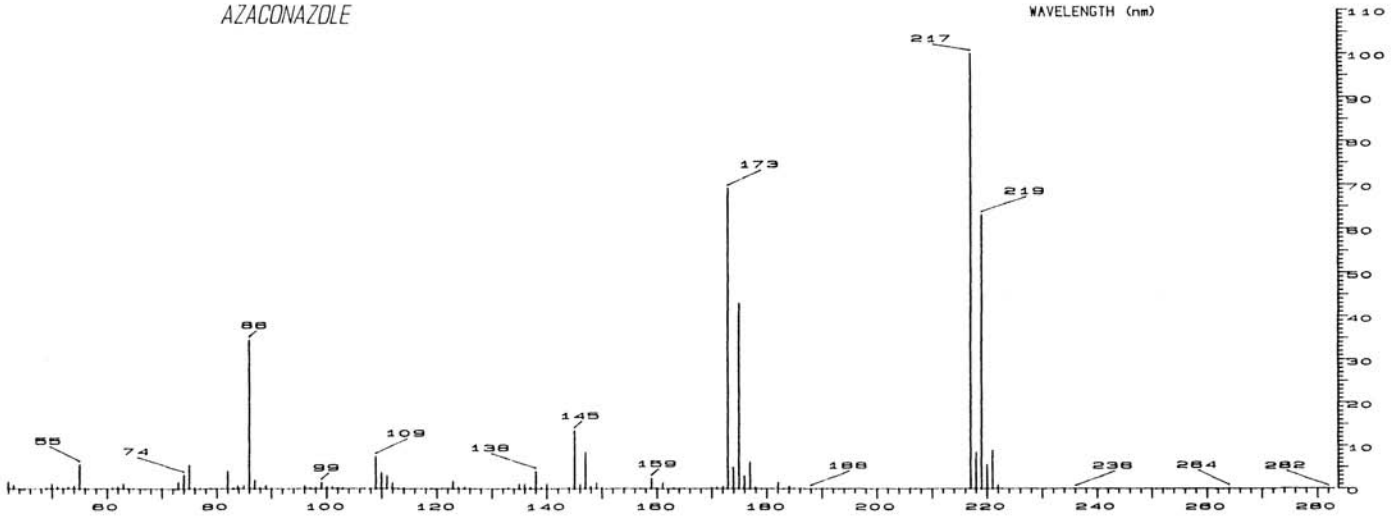
Synonyms:

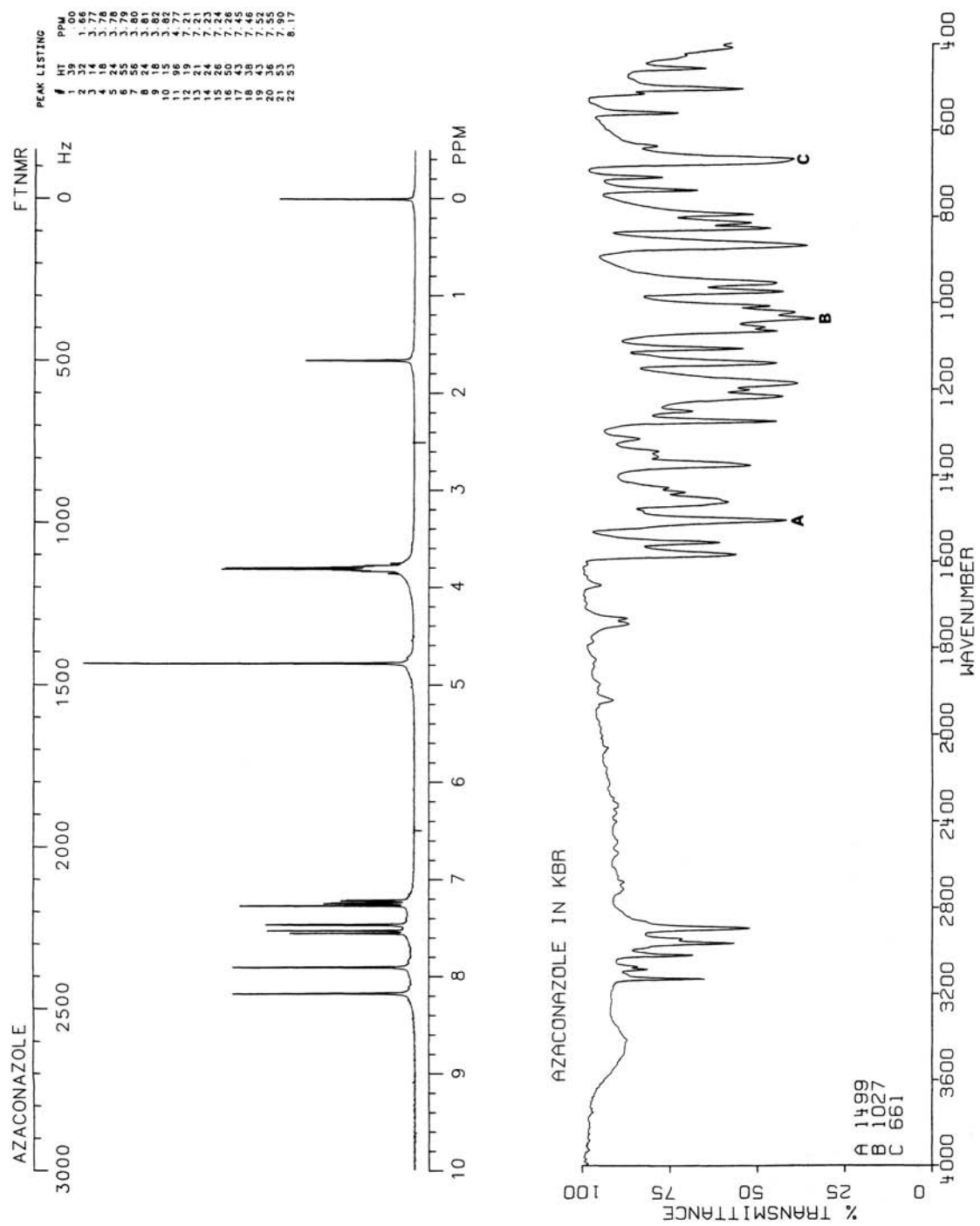
Trade names:

Use:
HPLC: 70A:30B; 2.5
GC:








AZACONAZOLE
FTNMR
PEAK LISTING
HT PPM
1 39 1.00
2 32 1.66
3 14 3.77
4 18 3.78
5 24 3.78
6 55 3.79
7 56 3.80
8 24 3.81
9 18 3.82
10 15 3.82
11 96 4.77
12 19 7.21
13 21 7.21
14 24 7.23
15 26 7.24
16 50 7.26
17 43 7.45
18 38 7.46
19 43 7.52
20 36 7.55
21 53 7.90
22 53 8.17
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
AZACONAZOLE IN KBR
A 1499
B 1027
C 661
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

AZAPERONE

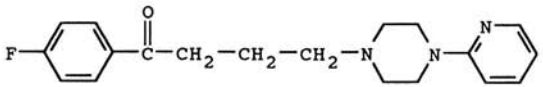
$C_{19}H_{22}FN_3O$

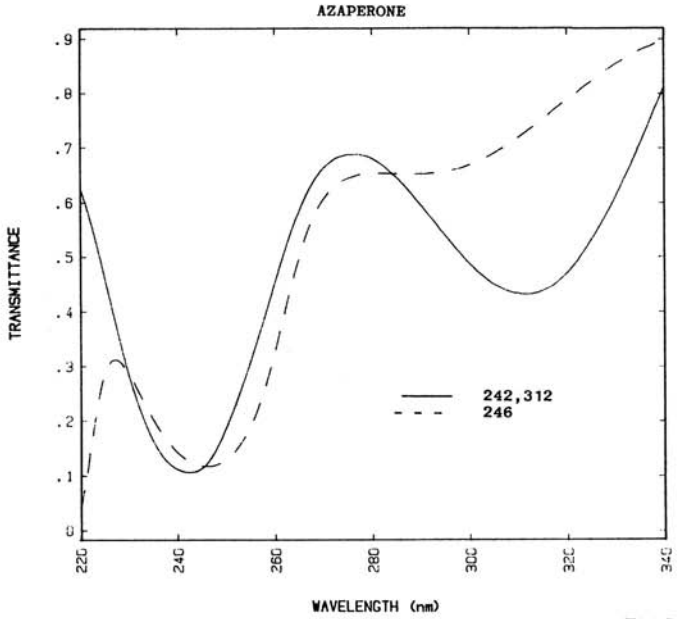
Molecular weight: 327.41 (327.18)

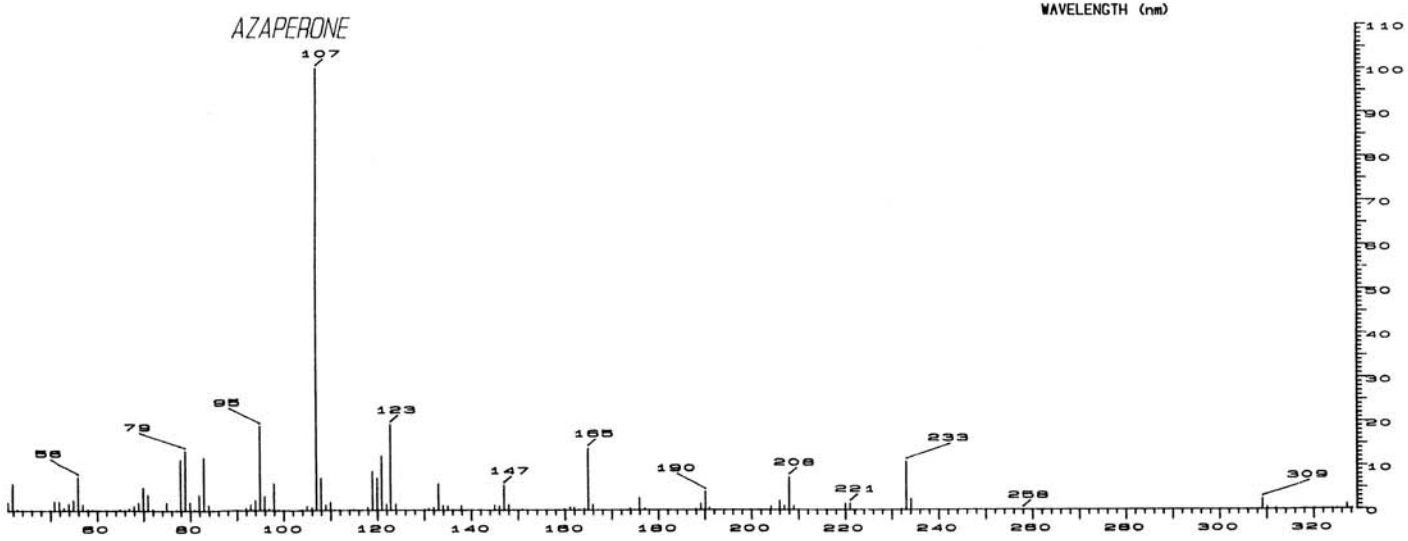
Synonyms: 1-(4-Fluorophenyl)-4-[4-(2-pyridinyl)-1-piperazinyl]-1-butanone

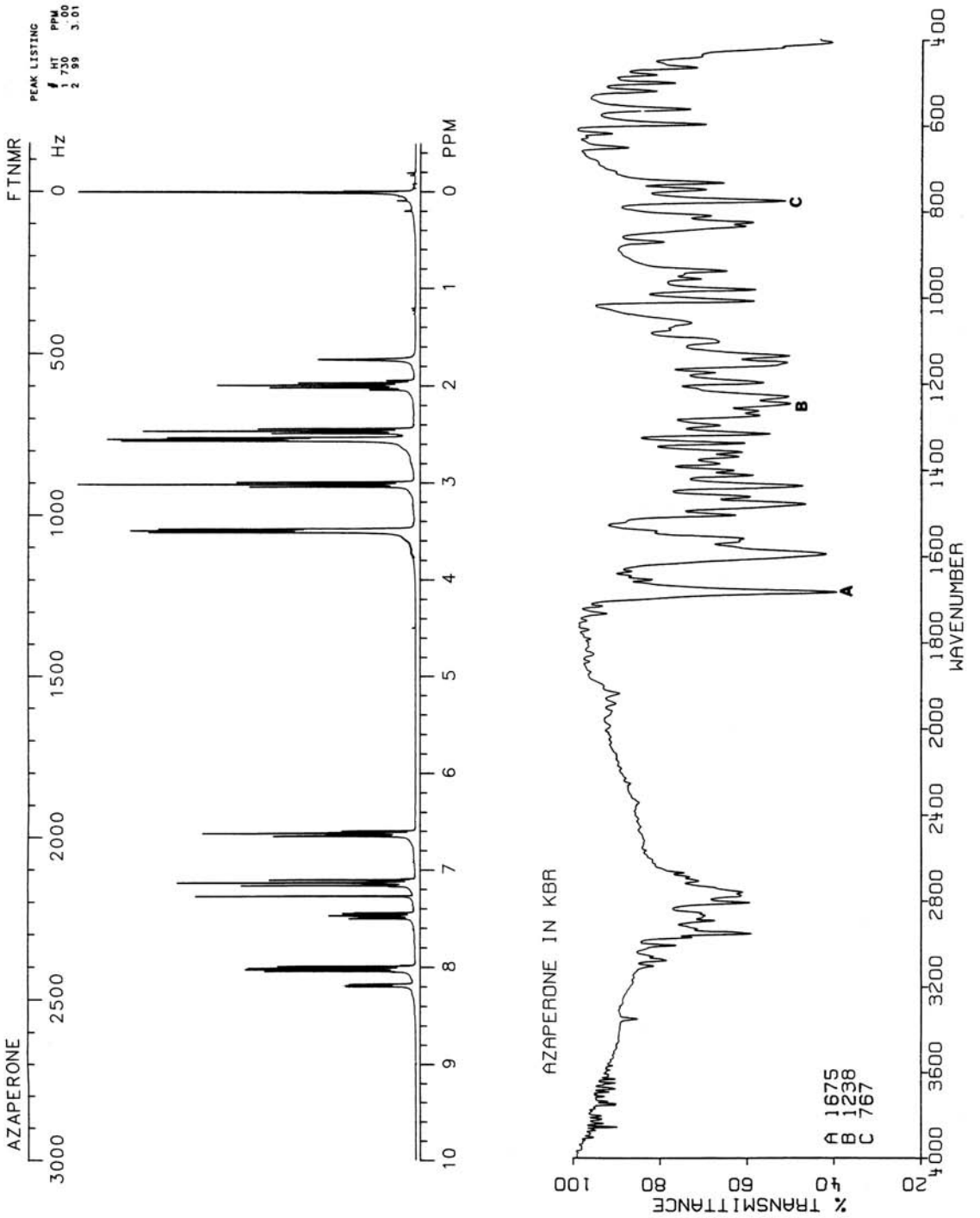
Trade names: Stresnil, Suicalm

Use: Sedative, tranquilizer
HPLC: 80A:20C; 2.0
GC:







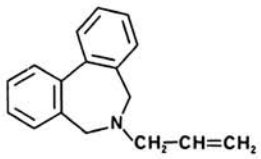

AZAPERONE
FTNMR
PEAK LISTING
HT PPM
1 730 .00
2 99 3.01
0 Hz
3000 2500 2000 1500 1000 500 0
0 PPM
10 9 8 7 6 5 4 3 2 1 0
AZAPERONE IN KBR
% TRANSMITTANCE
100 80 60 40 20
A 1675
B 1238
C 767
A
B
C
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

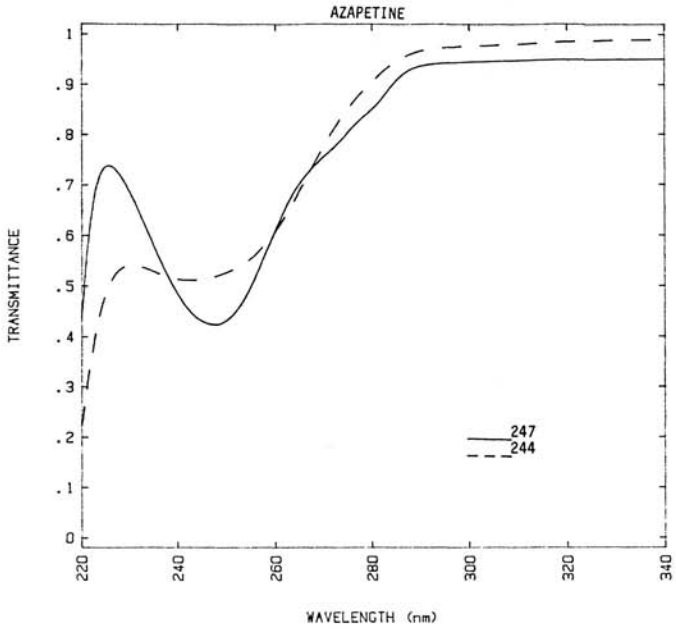
AZAPETINE

$C_{17}H_{17}N$

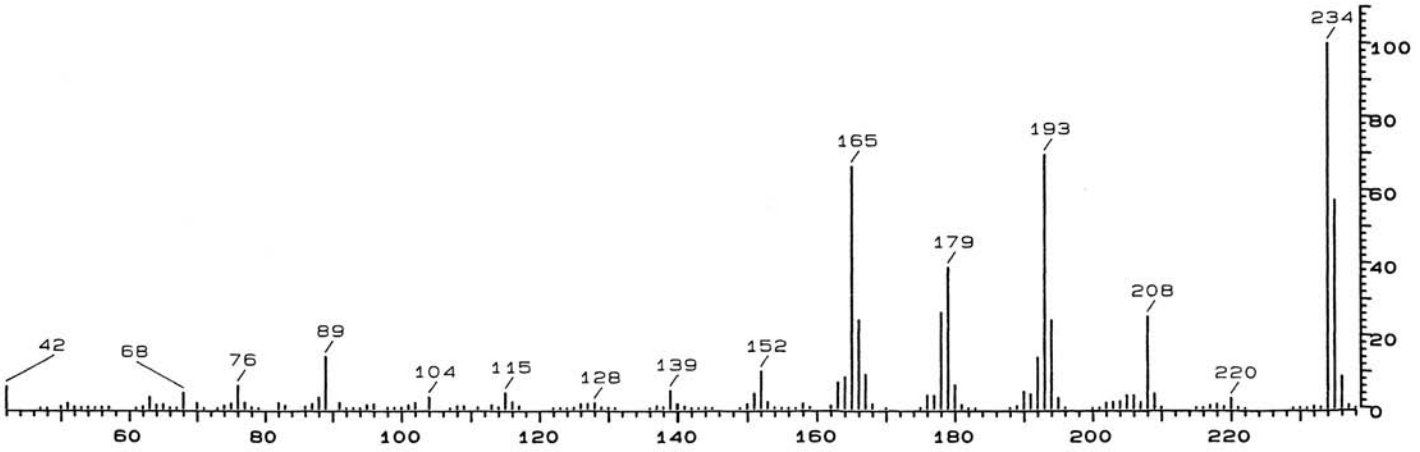
Molecular weight: 235.33 (235.14)
Synonyms: 6,7-Dihydro-6-(2-propenyl)-5H-dibenz[c,e]azepine;
azepine; 6-allyl-6,7-dihydro-5H-dibenz[c,e]azepine
Trade names: Ilidar

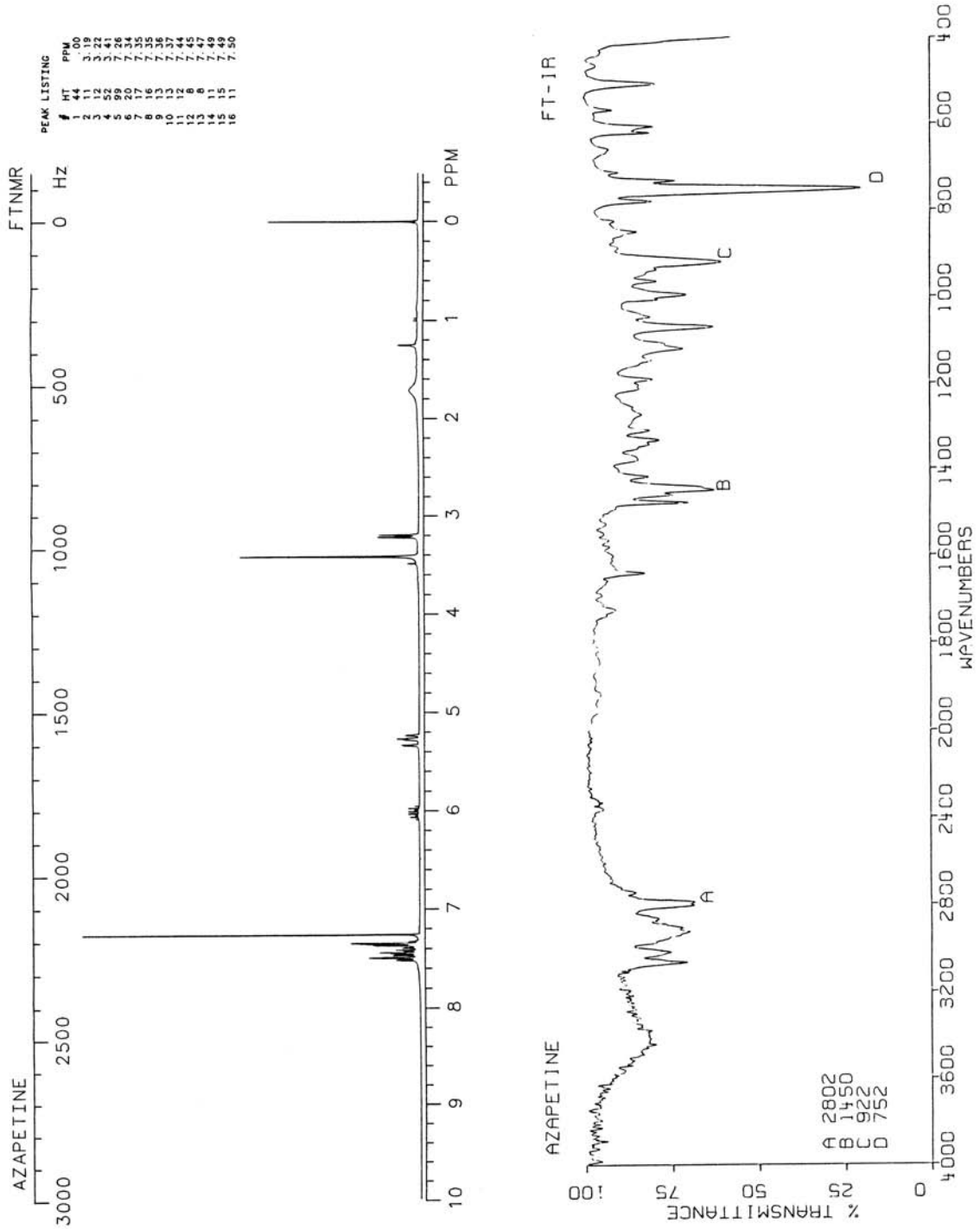
Use: Anti-adrenergic
HPLC:
GC: 1946; 200°C





AZAPETINE



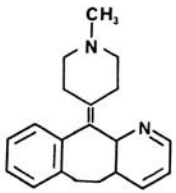

AZAPETINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 44 7.00
2 11 3.19
3 12 3.22
4 52 7.41
5 92 7.26
6 20 7.34
7 17 7.35
8 16 7.35
9 13 7.36
10 13 7.37
11 12 7.44
12 8 7.45
13 8 7.47
14 11 7.49
15 15 7.49
16 11 7.50
10 9 8 7 6 5 4 3 2 1 0 PPM
AZAPETINE
FT-IR
A 2802
B 1450
C 922
D 752
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

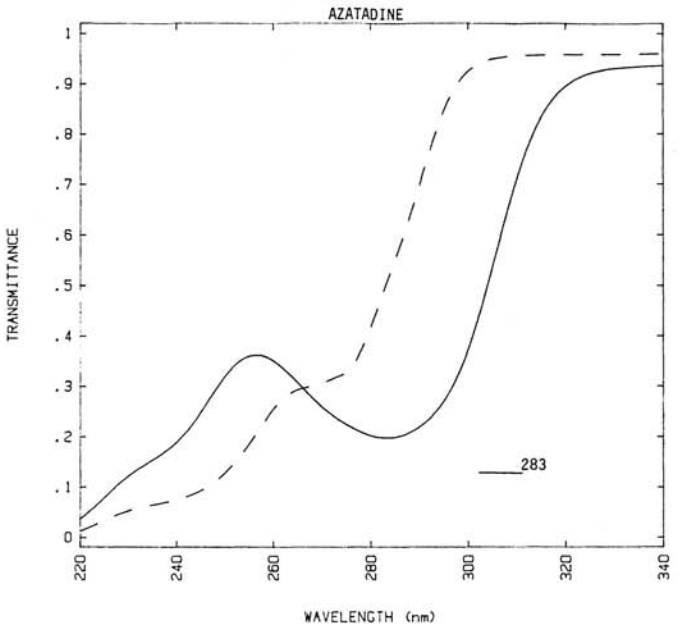
AZATADINE

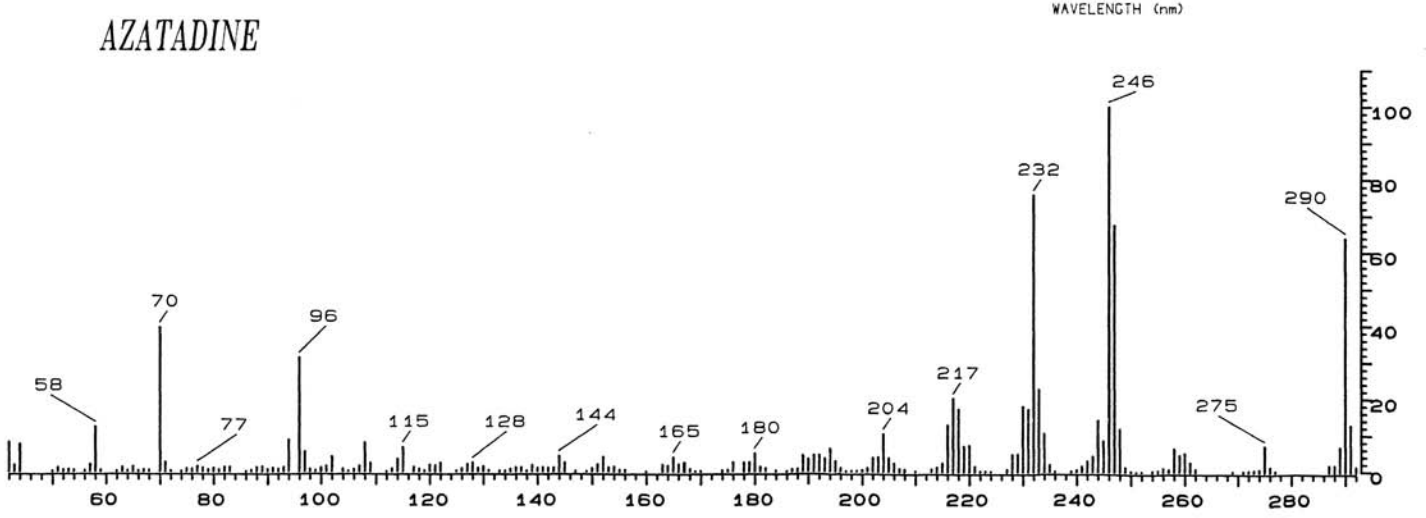
$C_{20}H_{22}N_2$

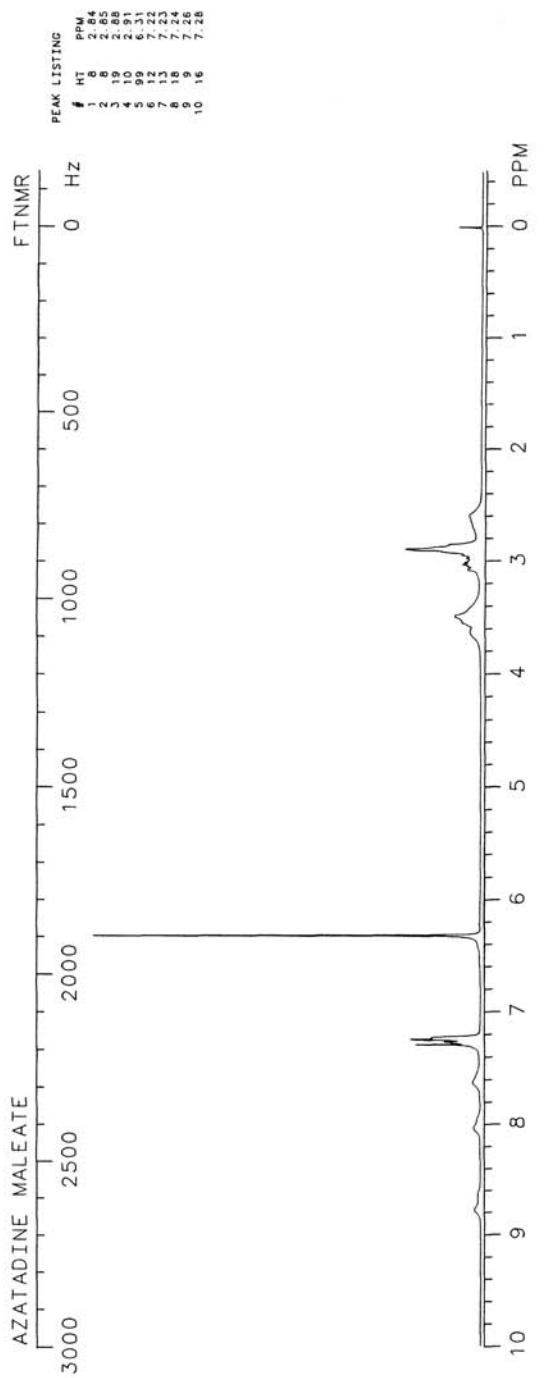
Molecular weight: 290.41 (290.18)
Synonyms: 6,11-Dihydro-11-(1-methyl-4-piperidylidene)-5H-benzo[5,6]cyclohepta[1,2-b]pyridine
Trade names: Congesteze, Idulian, Optimine, Trinalin, Zadine

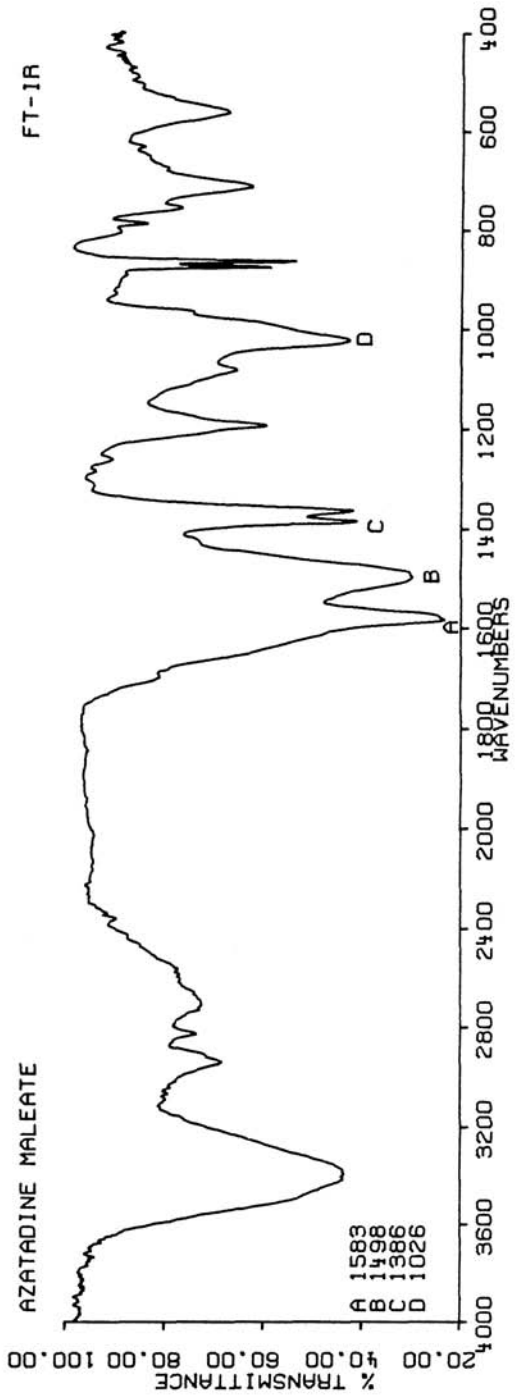
Use: Antihistamine
HPLC: Si-10; 20A:80B; 4.4
GC: 2432; 250°C








AZATADINE MALEATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 8 2.84
2 8 2.85
3 19 2.88
4 10 2.91
5 99 6.31
6 12 7.22
7 13 7.23
8 18 7.24
9 9 7.26
10 16 7.28

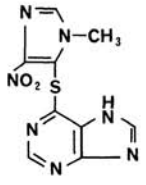

AZATADINE MALEATE
FT-IR
% TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A 1583
B 1498
C 1386
D 1026
A
B
C
D

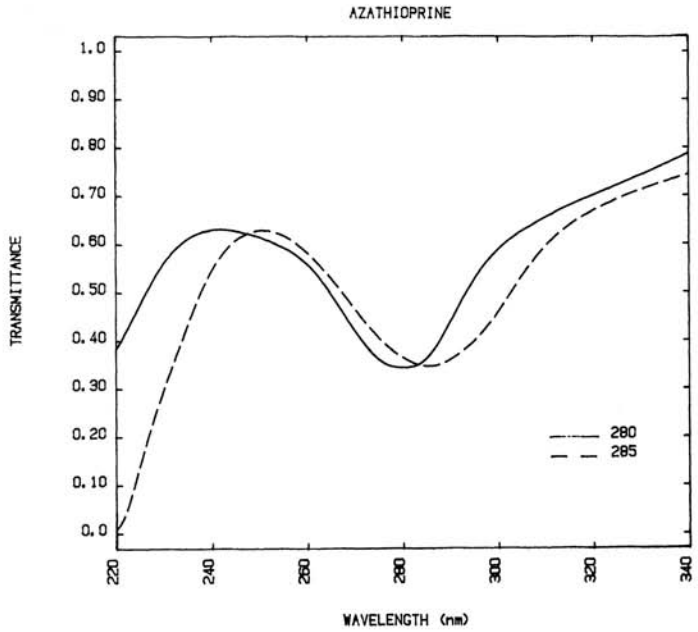
AZATHIOPRINE

$C_9H_7N_7O_2S$

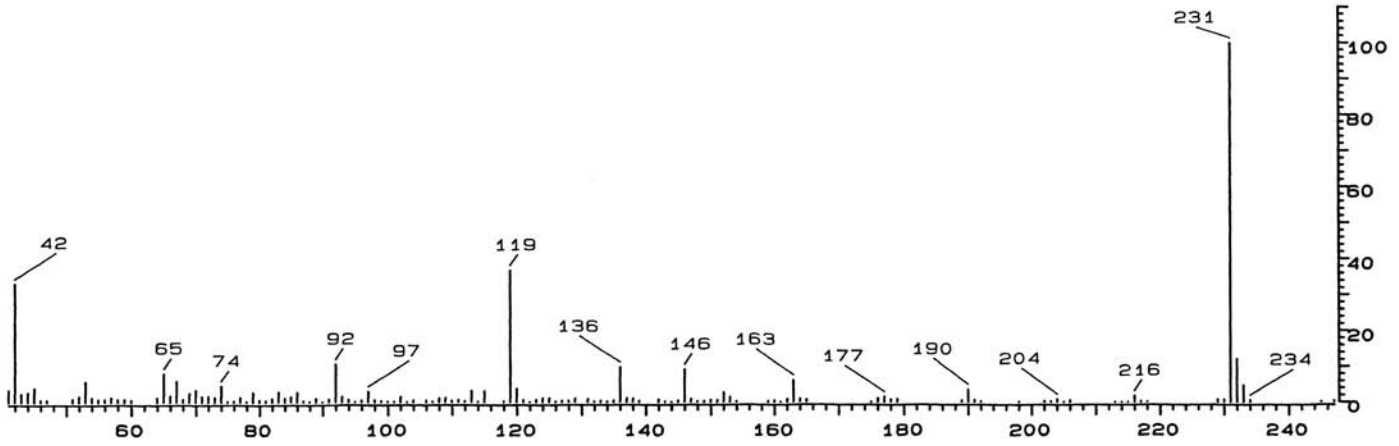
Molecular weight: 277.26 (277.04)
Synonyms: 6-[(1-Methyl-4-nitroimidazol-5-yl)thio]purine;
azothioprine
Trade names: Imuran

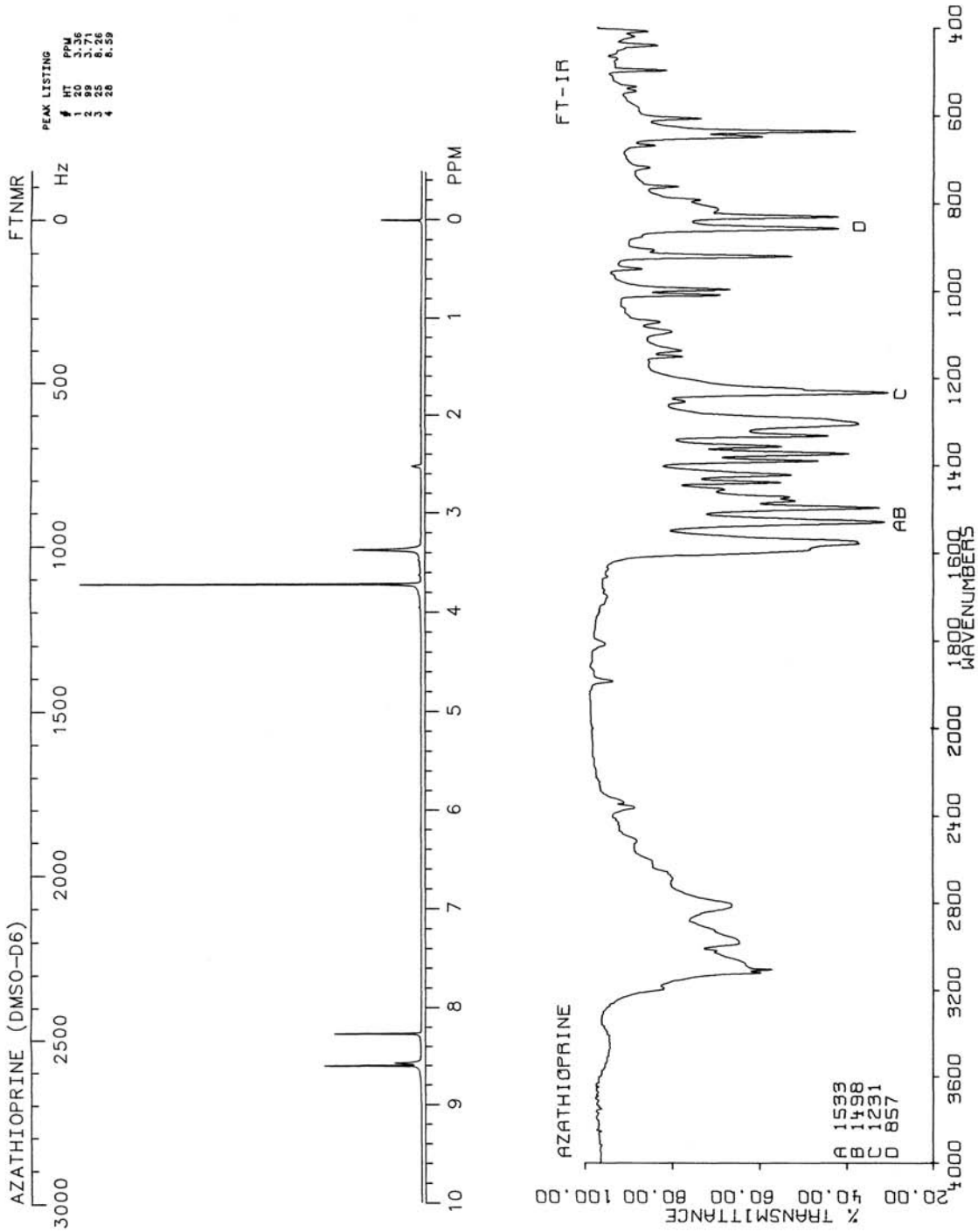
Use: Immunosuppressive
HPLC: Si-10; 5A:95B; 4.2
GC:





AZATHIOPRINE -- SOLID PROBE



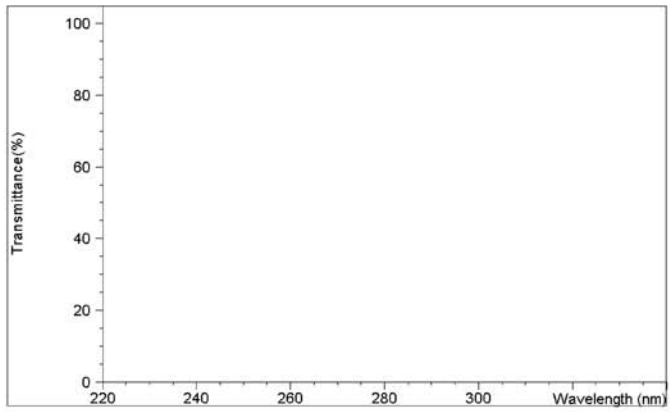

AZATHIOPRINE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 20 3.36
2 99 3.71
3 25 8.26
4 28 8.59
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
AZATHIOPRINE
FT-IR
A 1533
B 1498
C 1231
D 857
AB
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

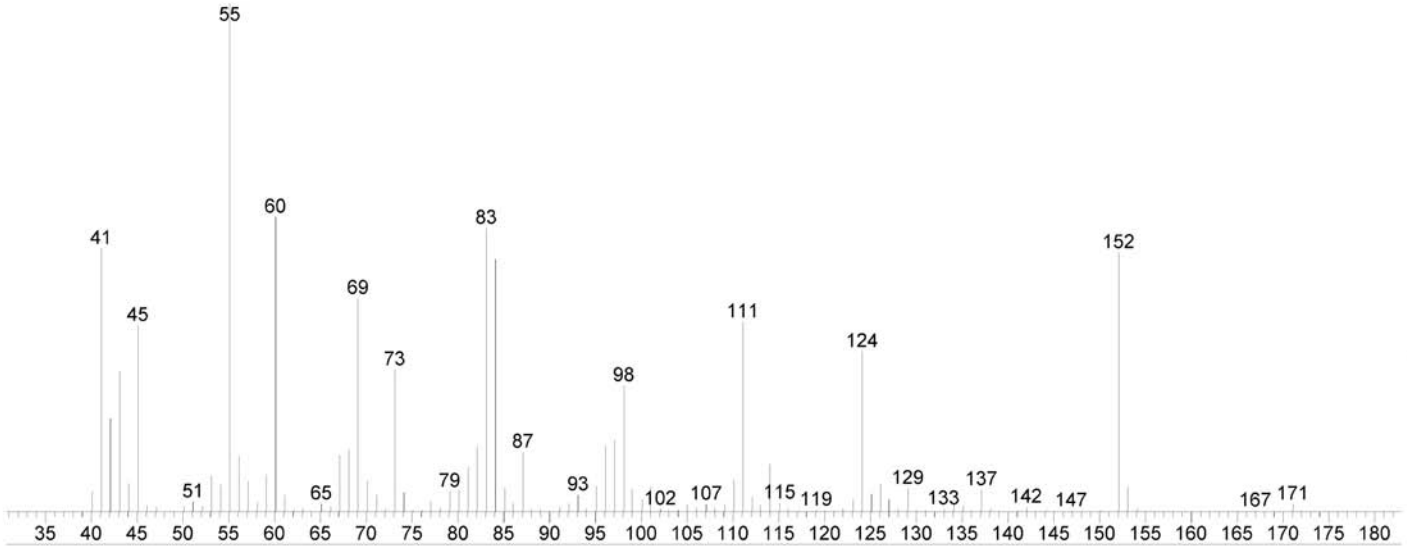
AZELAIC ACID

$C_9H_{16}O_4$

Molecular Weight: 188.22 (188.1)
Synonyms: Nonanedioic acid, 1,7-heptanedicarboxylic acid, lepargylic acid, anchoic acid
Trade names: Azelex, Skinoren
Use: Anti-acne

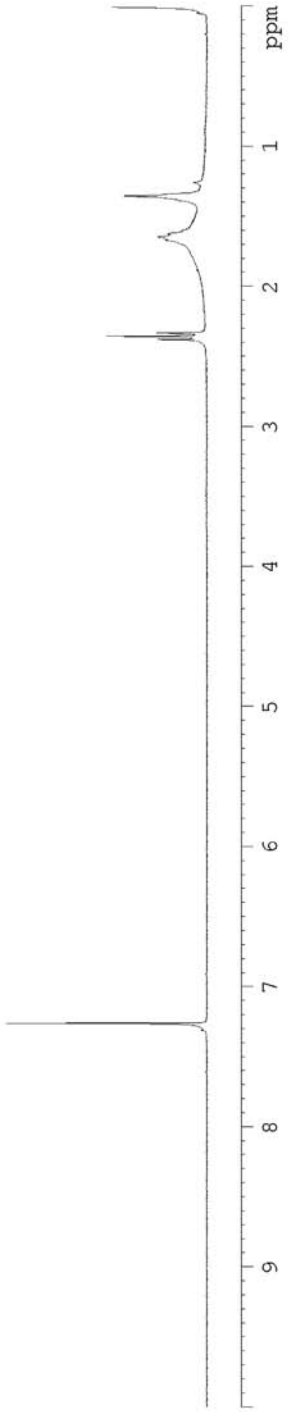
$HOOC\text{-}(CH_2)_7\text{-}COOH$



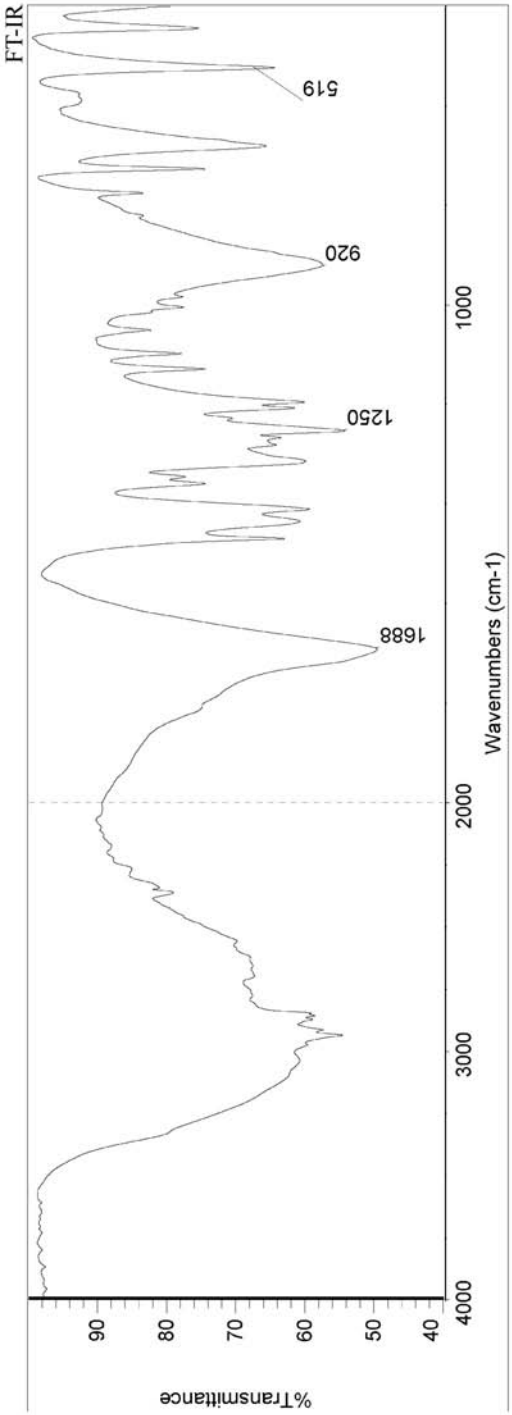


AZELAIC ACID

FTNMR



FT-IR



AZIDOTHYMIDINE

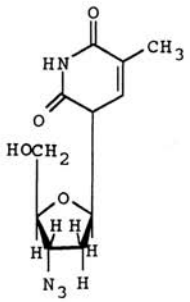
$C_{10}H_{13}N_5O_4$

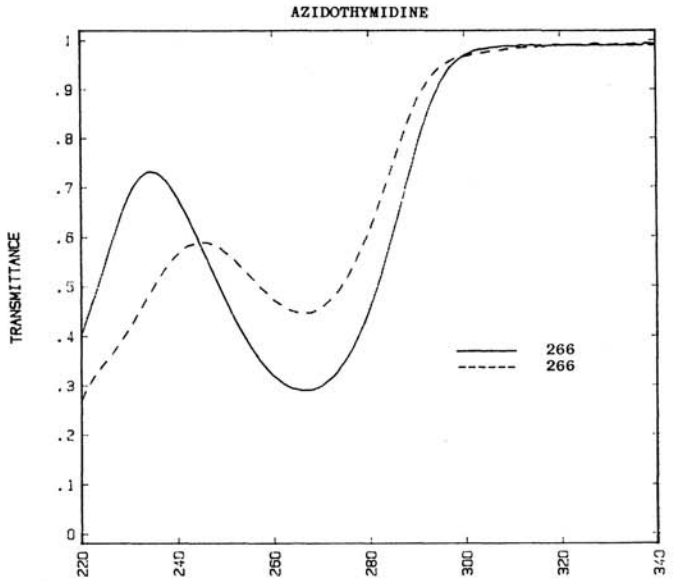
Molecular weight: 267.24 (267.10)

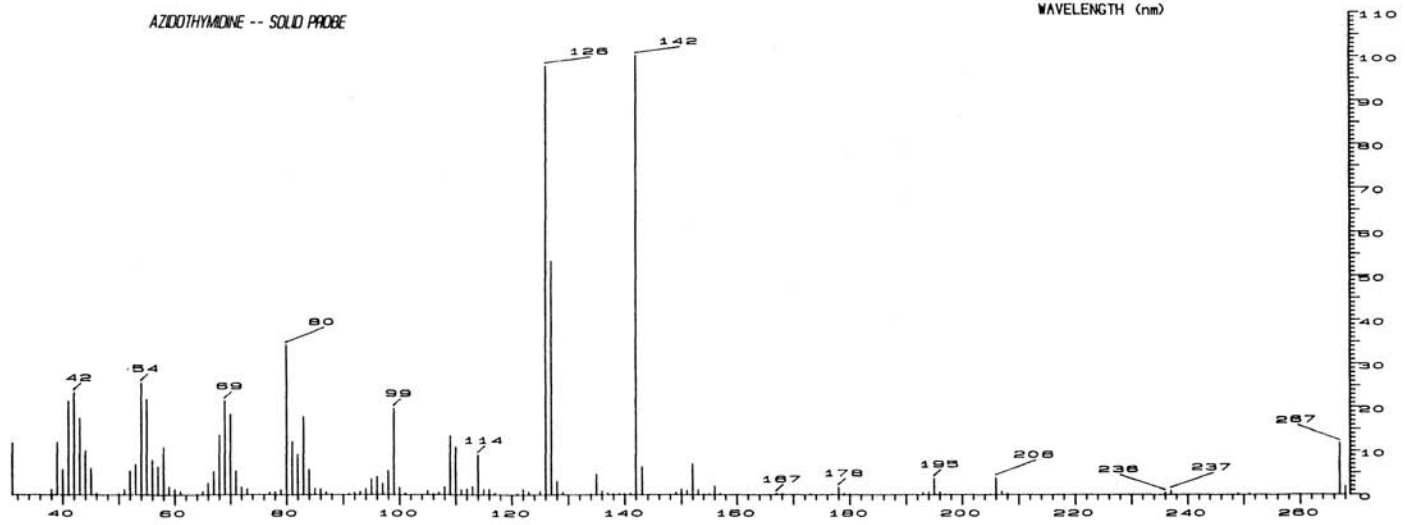
Synonyms: 3′-Azido-3′-deoxythymidine; zidovudine

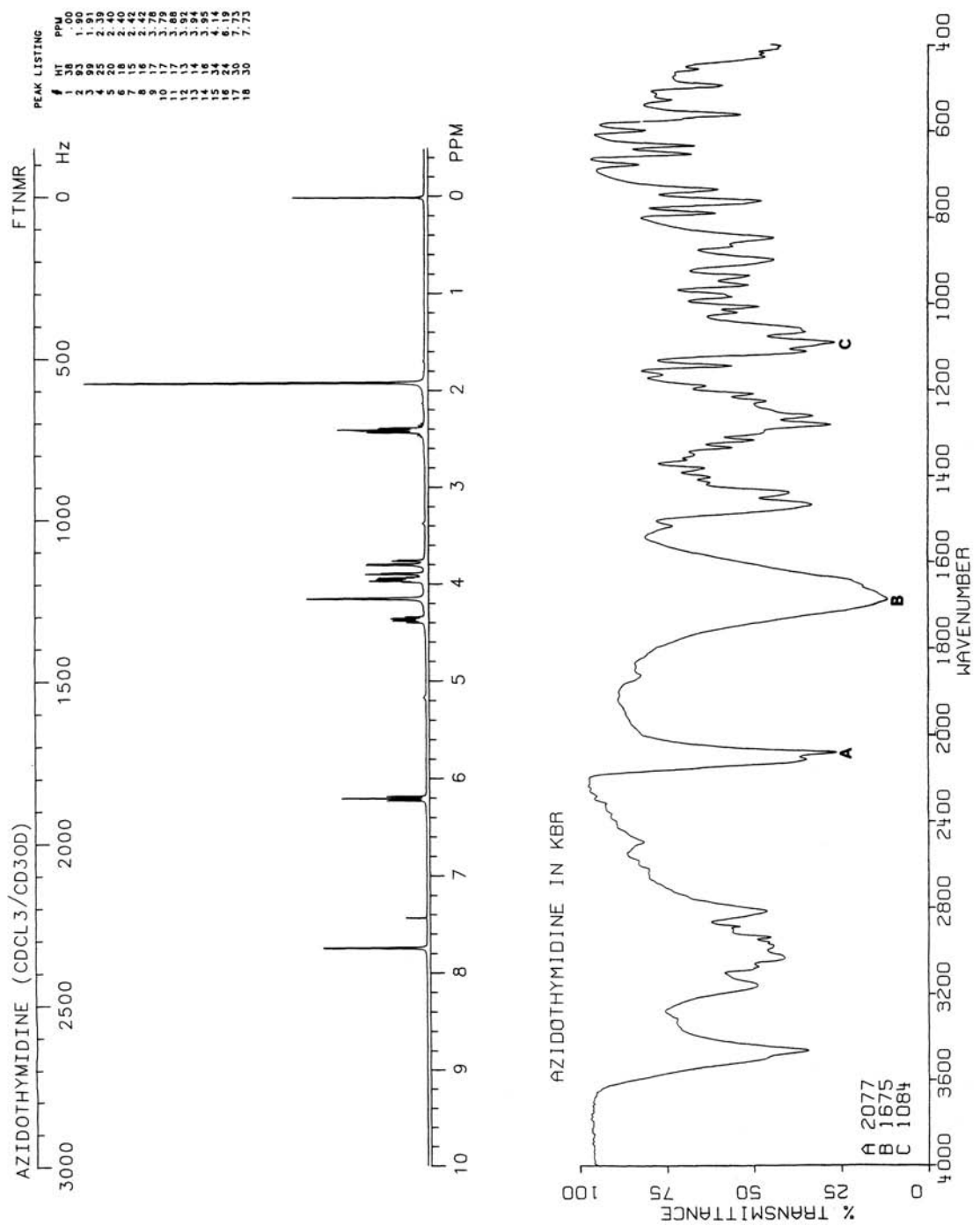
Trade names: AZT, Retrovir

Use: Antiviral
HPLC: 50A:50C; 1.7
GC: 2307; 280°








AZIDOTHYMIDINE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 38 1.00
2 93 1.91
3 93 1.91
4 25 2.39
5 20 2.40
6 18 2.40
7 15 2.42
8 16 3.78
9 17 3.78
10 17 3.79
11 17 3.88
12 13 3.92
13 14 3.94
14 16 3.95
15 34 4.14
16 24 6.19
17 30 7.73
18 30 7.73
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
AZIDOTHYMIDINE IN KBR
A 2077
B 1675
C 1084
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

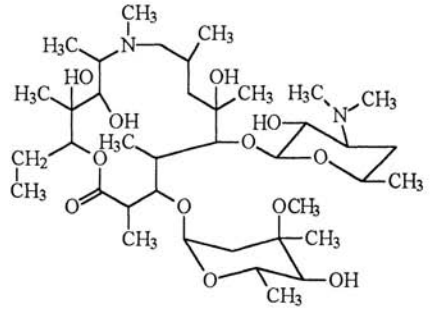
AZITHROMYCIN

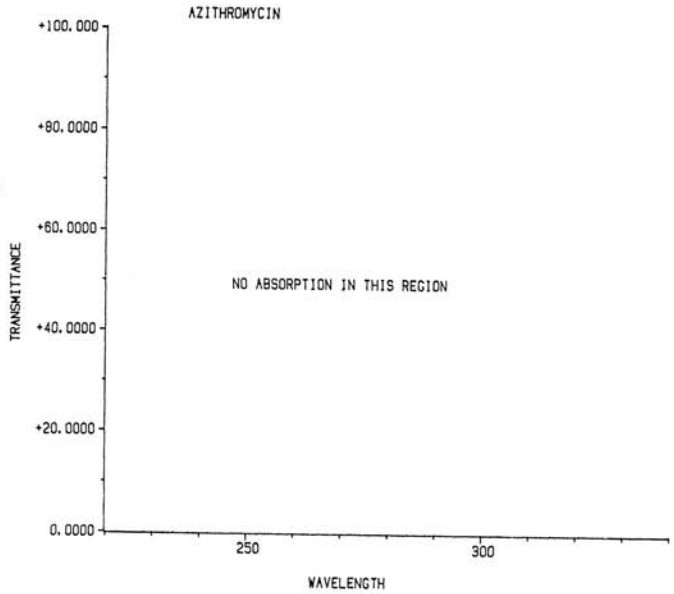
$C_{38}H_{72}N_2O_{12}$

Molecular Weight: 748.99 (748.51)

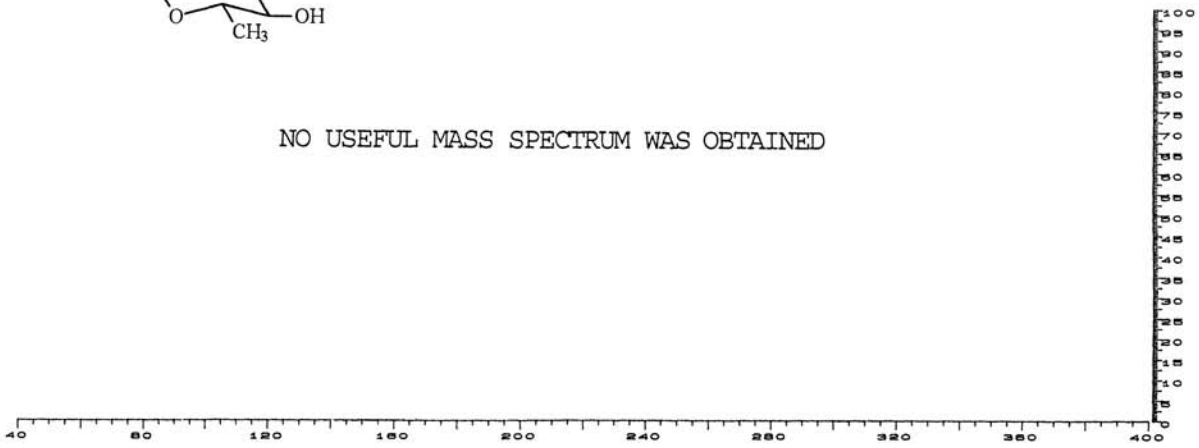
Synonyms: [2R-(2R*,3S*,4R*,5R*,8R*,10R*,11R*,12S*,13S*,14R*)]-13-[(2,6-Dideoxy-3-C-methyl-3-O-methyl-α-L-ribo-hexopyranosyl)oxy]-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14-heptamethyl-11-[[3,4,6-trideoxy-3-(dimethylamino)-β-D-xylo-hexopyranosyl]oxy]-1-oxa-6-azocyclopentadecan-15-one
Trade Names: Sumamed, Zithromax
Use: Antibacterial

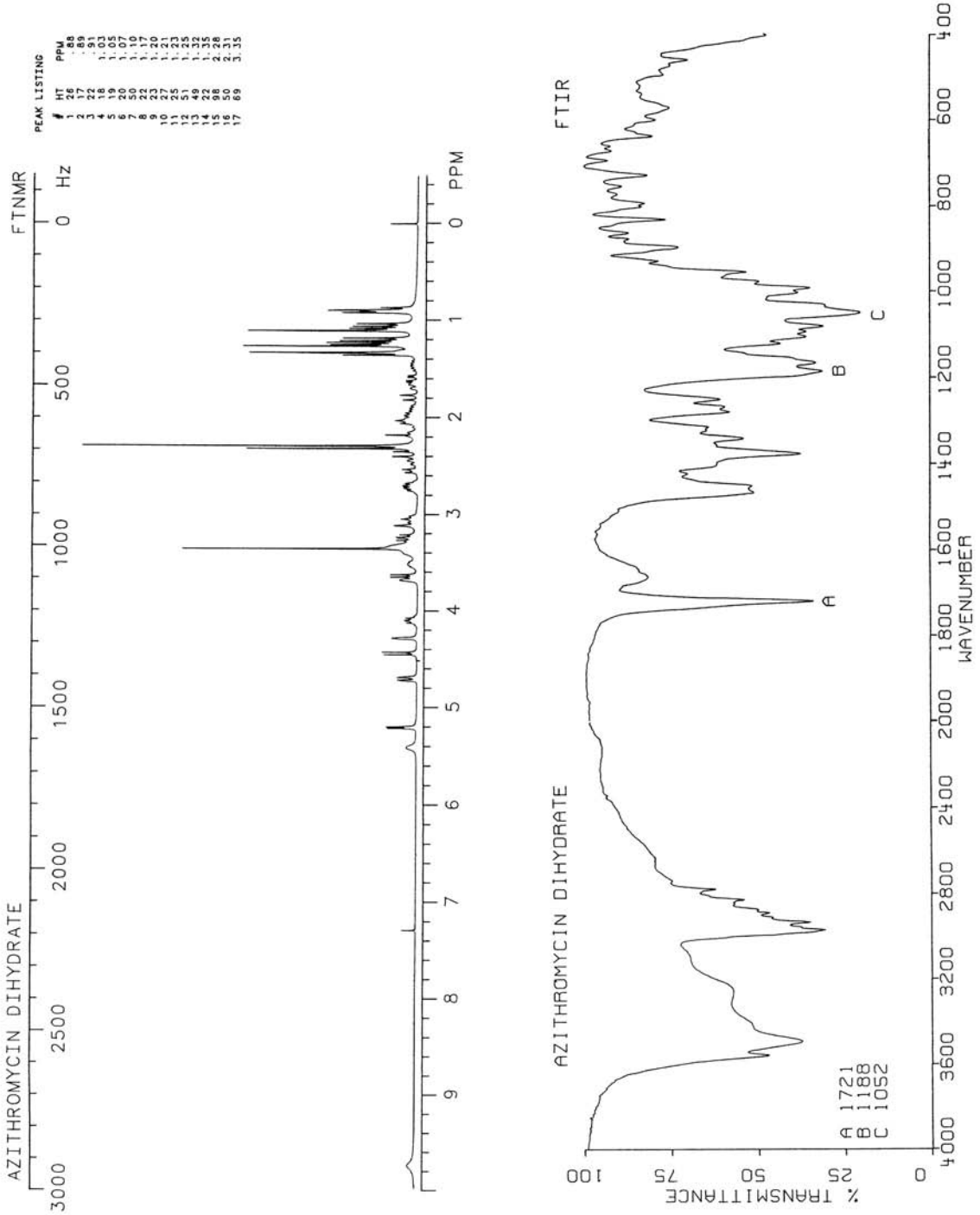
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



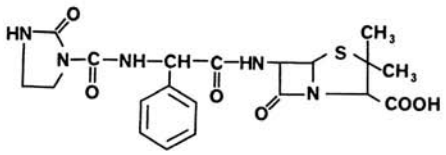

AZITHROMYCIN DIHYDRATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 26 .88
2 17 .89
3 22 .91
4 18 1.03
5 19 1.05
6 20 1.07
7 20 1.10
8 22 1.17
9 23 1.20
10 27 1.21
11 25 1.23
12 51 1.25
13 49 1.32
14 22 1.35
15 46 2.28
16 50 2.31
17 69 3.35
0 PPM
AZITHROMYCIN DIHYDRATE
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
A 1721
B 1188
C 1052

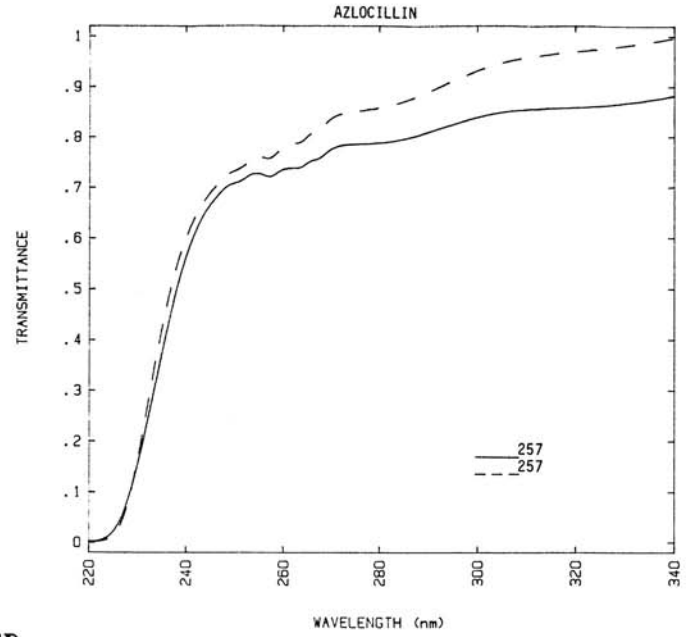
AZLOCILLIN

$C_{20}H_{23}N_5O_6S$

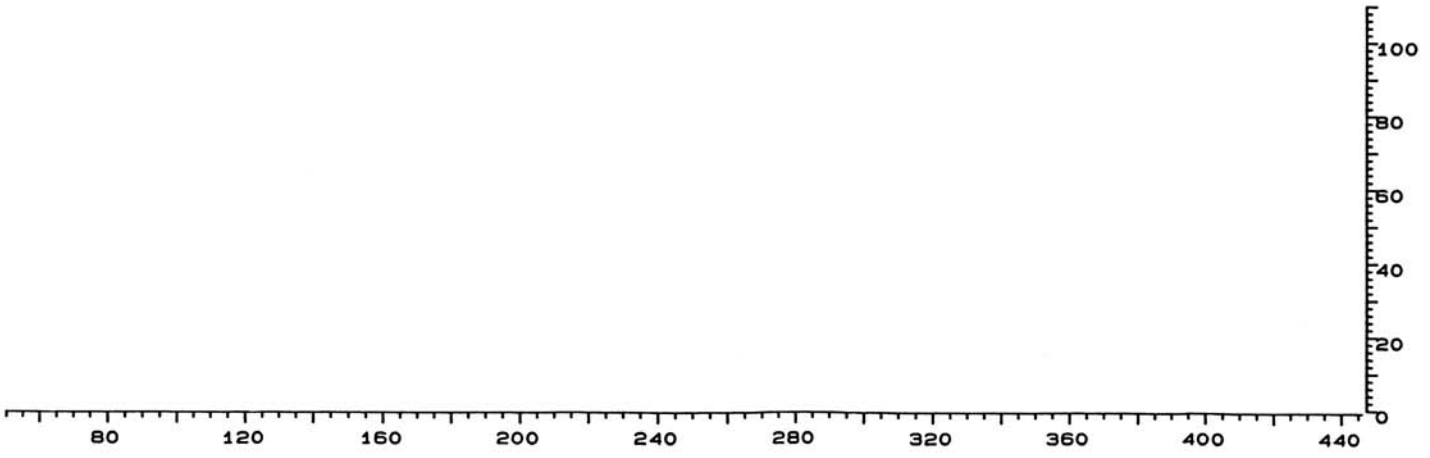
Molecular weight: 461.50 (461.14)
Synonyms: 6-D-2(2-oxo-imidazolidine-1-carboxamido-2-phenyl-acetamido-penicillanic acid
Trade names: Azlin, Securopen

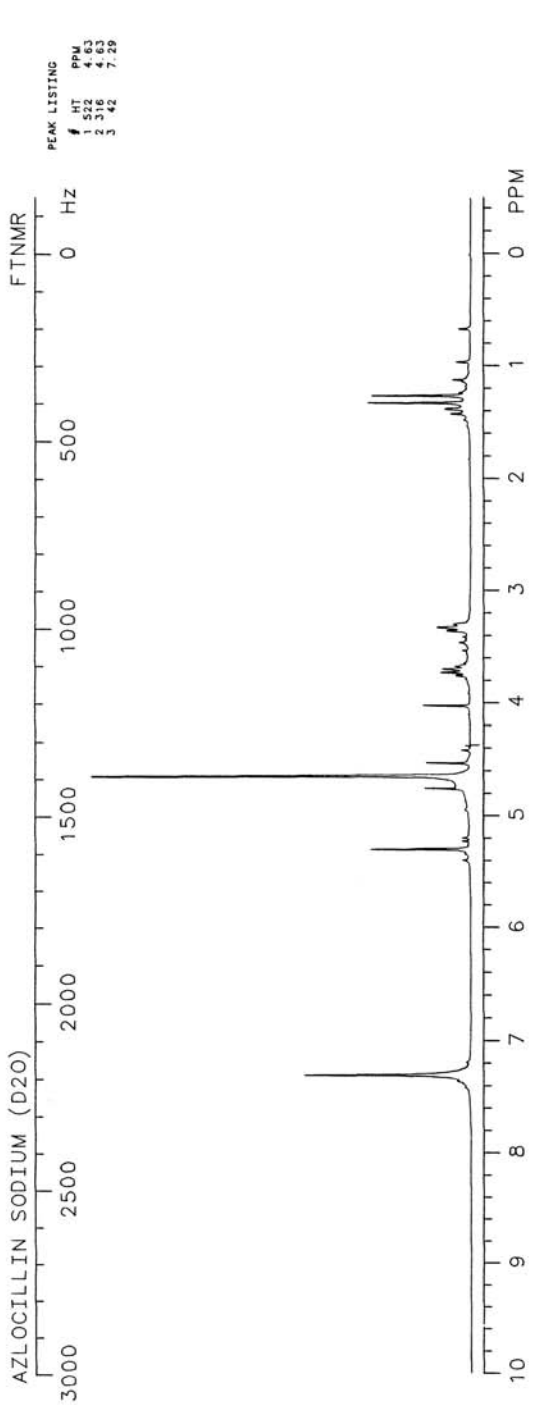
Use: Antibiotic
HPLC: Si-10; 20A:80B; 4.4
GC:

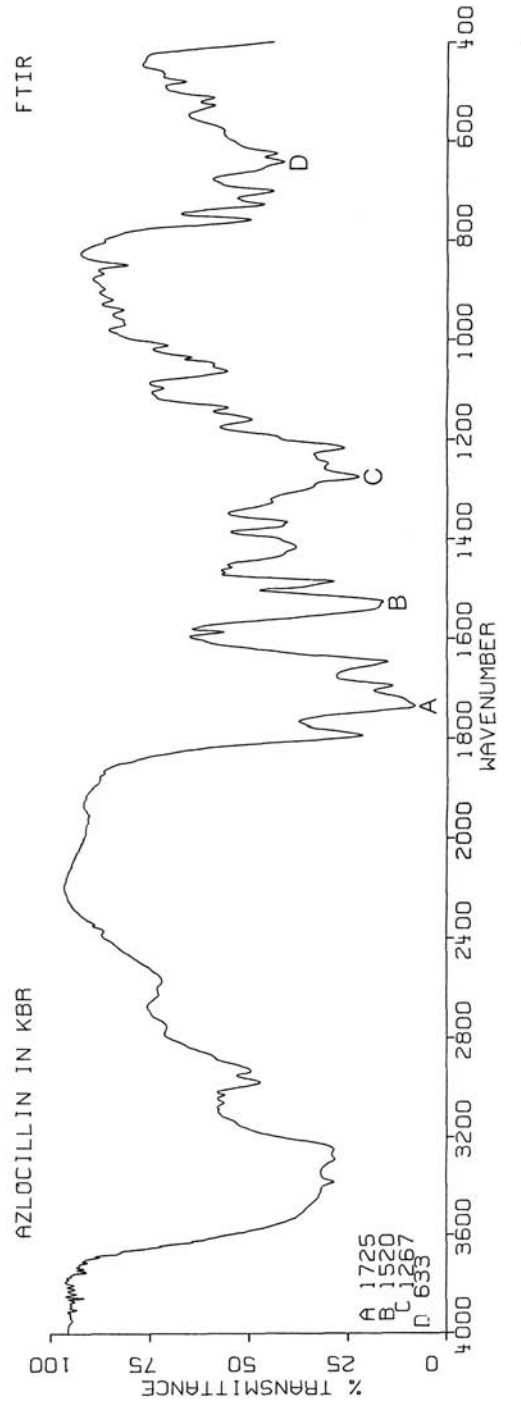




NO USEFUL MASS SPECTRUM WAS OBTAINED




AZLOCILLIN SODIUM (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 522 4.63
2 316 4.63
3 42 7.29

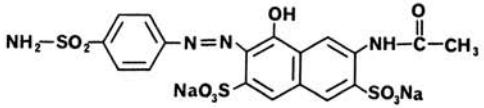

AZLOCILLIN IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1725
B 1520
C 1267
D 633
A
B
C
D

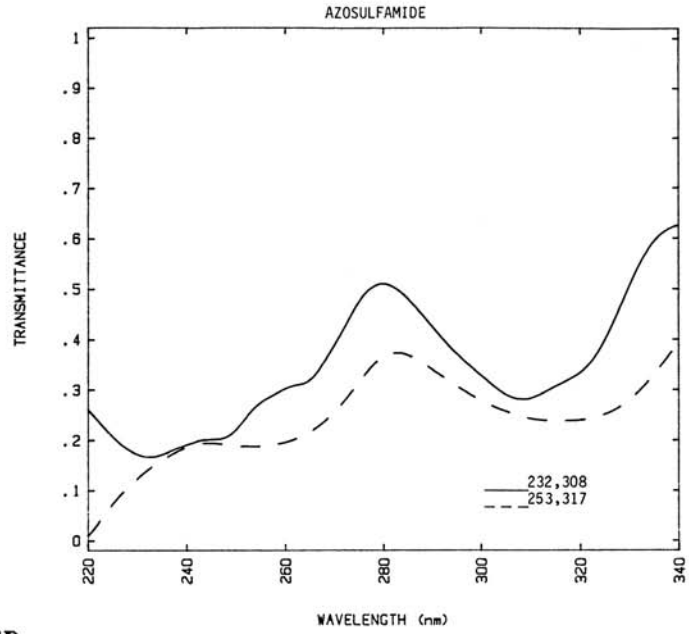
AZOSULFAMIDE

$C_{18}H_{14}N_4Na_2O_{10}S_3$

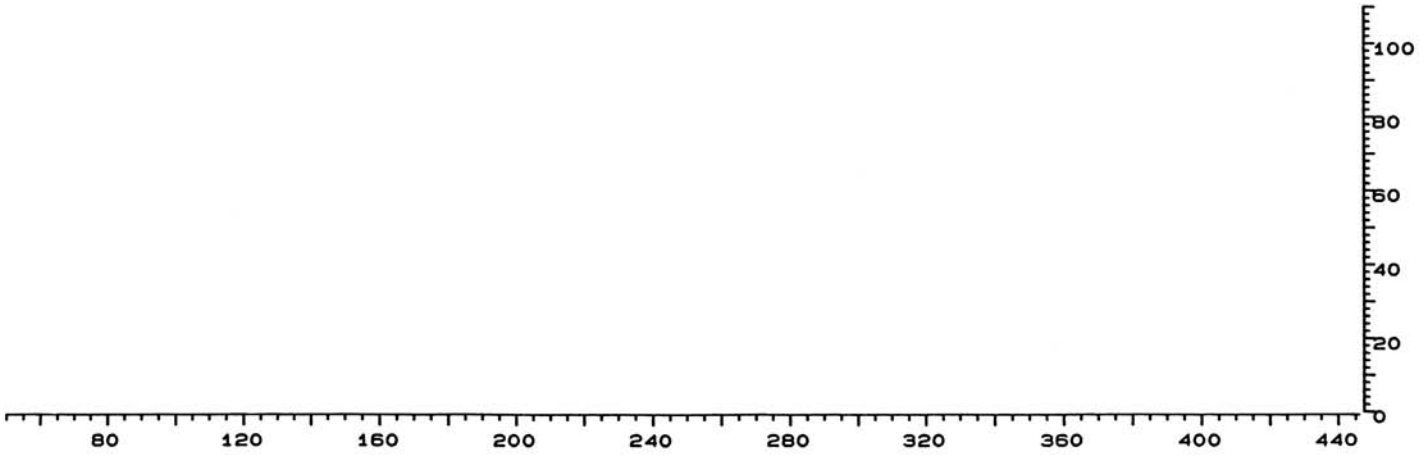
Molecular weight: 588.52 (587.99)
Synonyms: 6-(Acetylamino)-3-[[(4-aminosulfonyl)phenyl]azo]-4-hydroxy-2,7-naphthalenedisulfonic acid
Trade names: Drometil, Neiprontosil, Prontosil

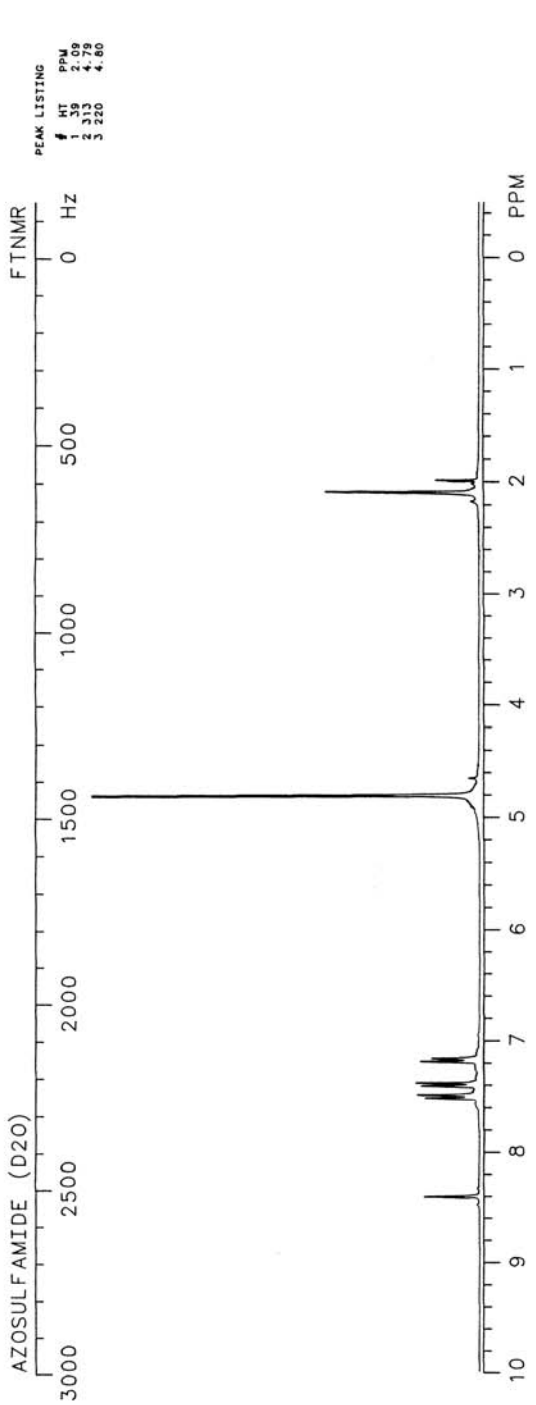
Use: Antibacterial
HPLC:
GC:

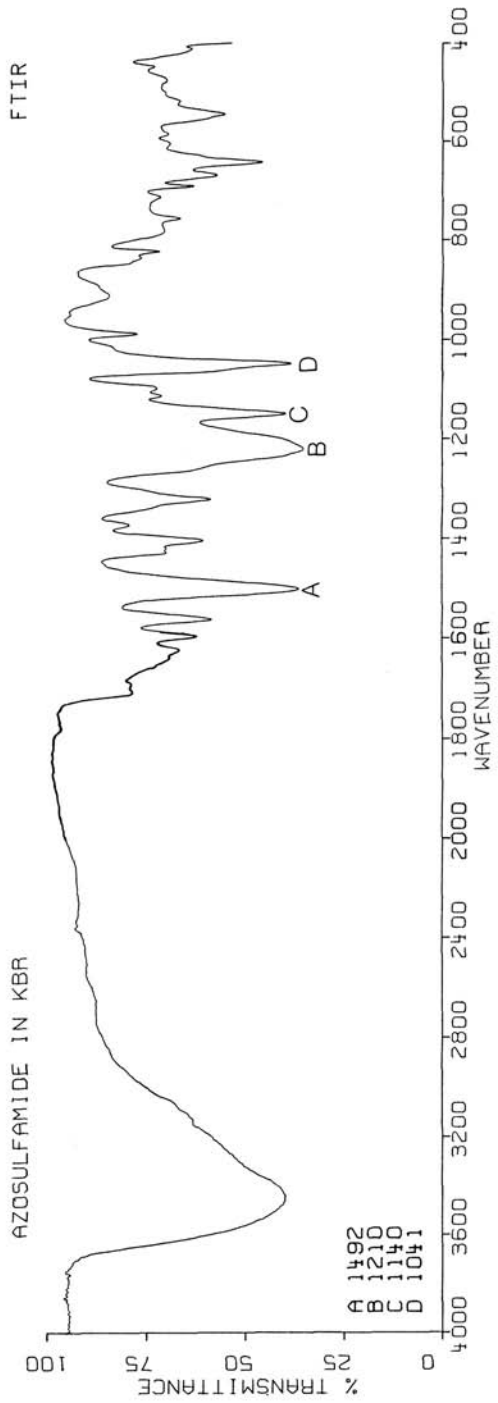




NO USEFUL MASS SPECTRUM WAS OBTAINED




AZOSULFAMIDE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 39 2.09
2 313 4.79
3 220 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


AZOSULFAMIDE IN KBR
FTIR
A 1492
B 1210
C 1140
D 1041
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

AZTREONAM

$C_{13}H_{17}N_5O_8S_2$

Molecular weight: 435.44 (435.05)

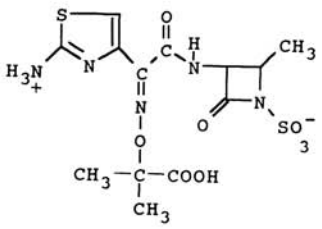
Synonyms: [2S-[2α,3β(Z)]]-2-[[[1-(2-Amino-4-thiazolyl)-2-[(2-methyl-4-oxo-1-sulfo-3-azetidinyl)amino]-2-oxoethylylidene]amino]oxy]-2-methylpropanoic acid; azthrconam

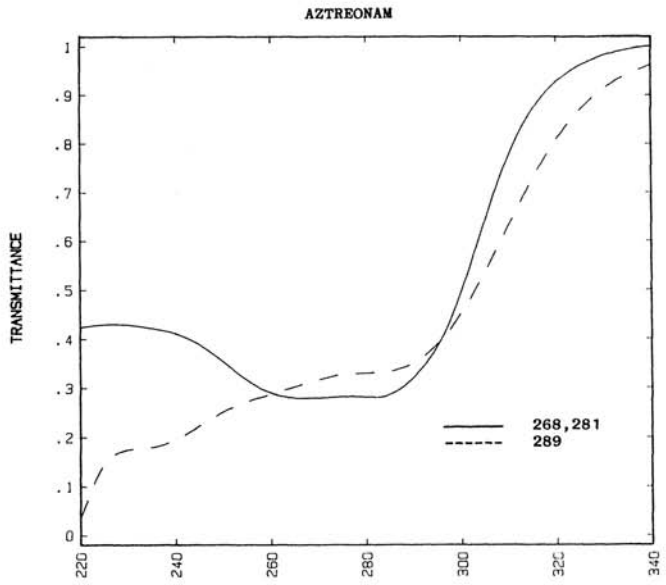
Trade names: Azactam

Use: Antibiotic; antibacterial

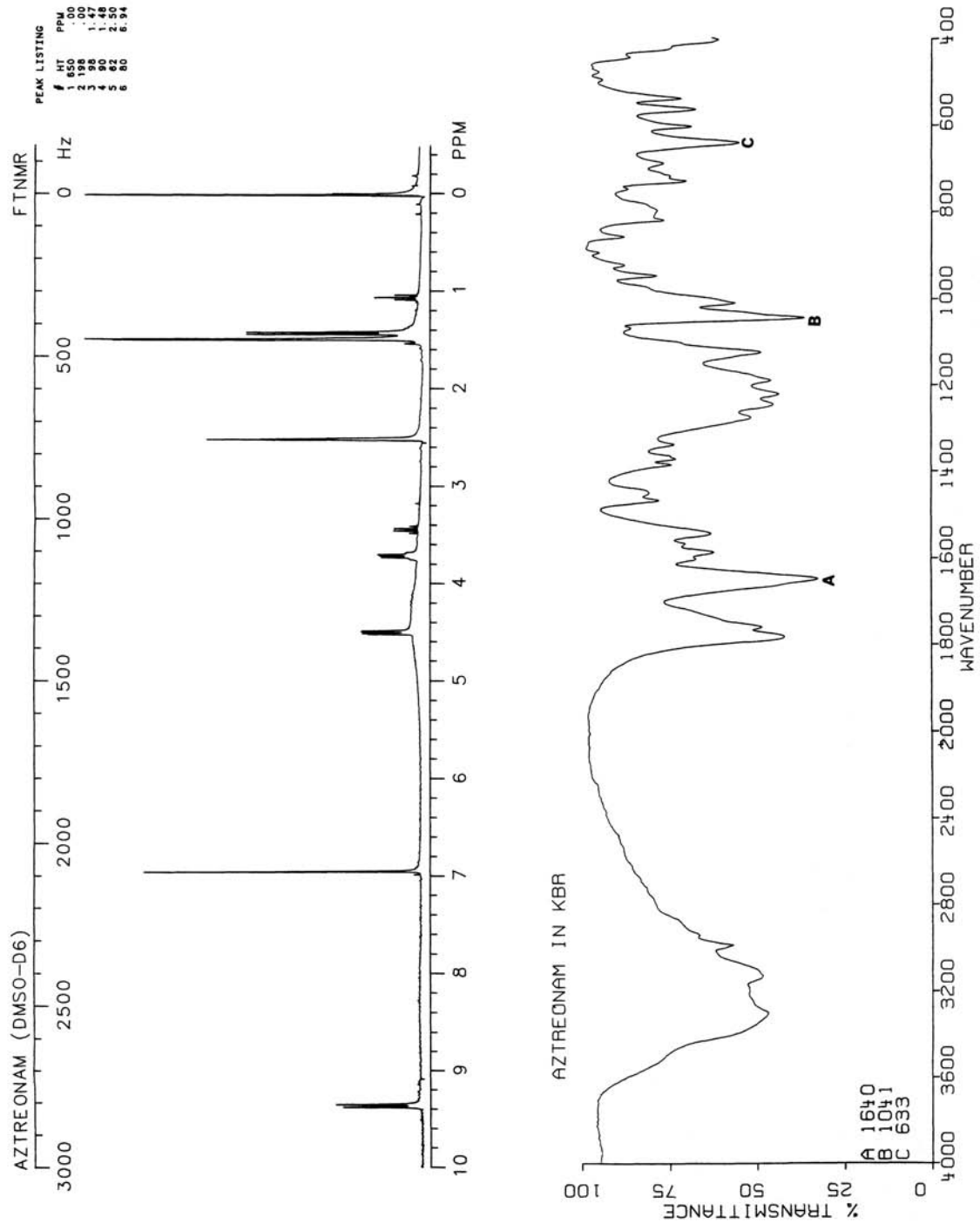
HPLC:

GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED


AZTREONAM (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 650 .00
2 198 1.47
3 90 1.48
4 80 2.50
5 62 6.94
6 80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
AZTREONAM IN KBR
A 1640
B 1041
C 633
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

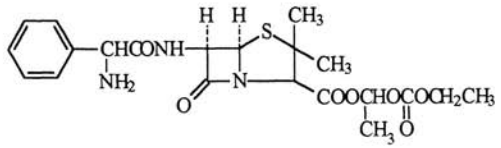
BACAMPICILLIN

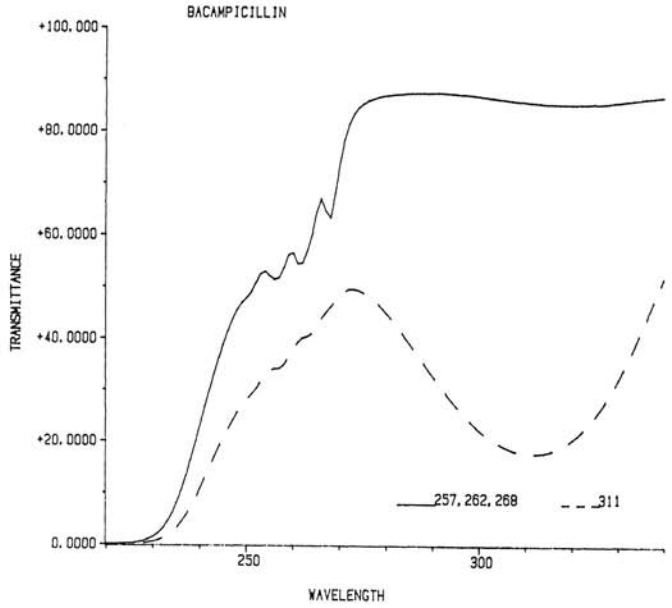
$C_{21}H_{27}N_3O_7S$

Molecular Weight: 465.52 (465.16)

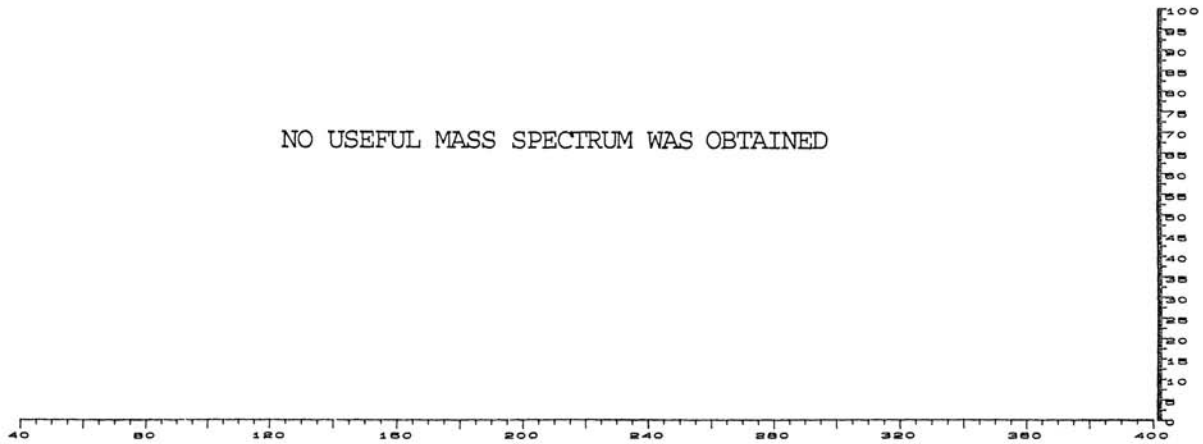
Synonyms: 6-[(Aminophenylacetyl)amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 1-[(ethoxycarbonyl)oxy]ethyl ester
Trade Names: Ambacamp, Ambaxin, Bacacil, Bacampicine, Penglobe, Spectrobid,
Use: Antibacterial

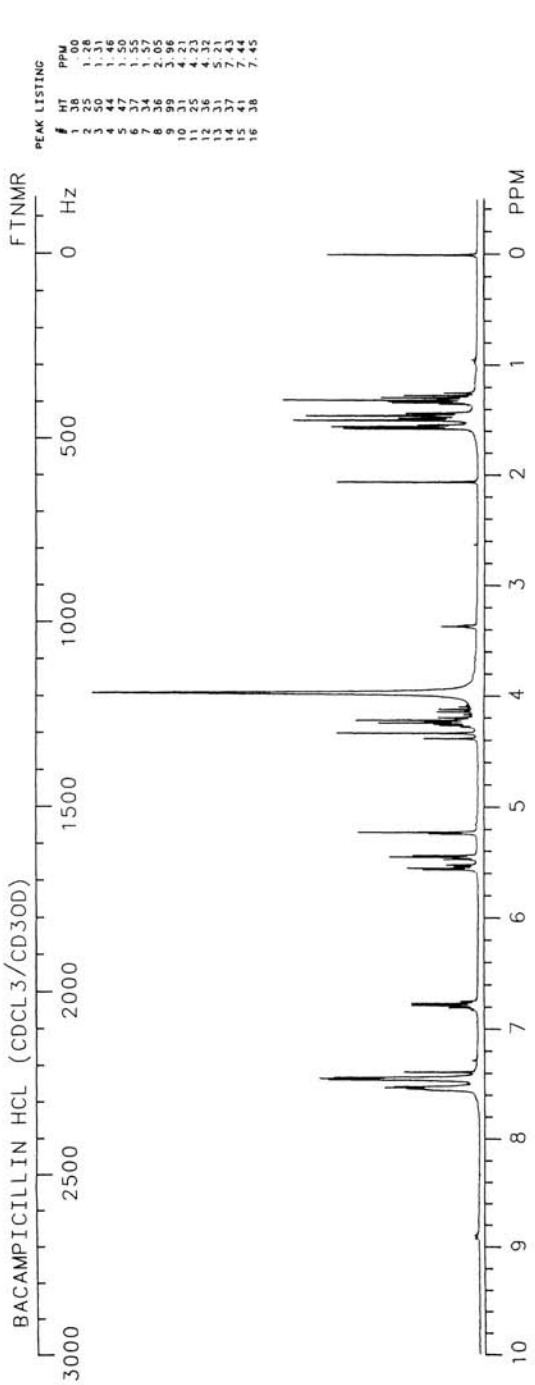
HPLC:
GC:

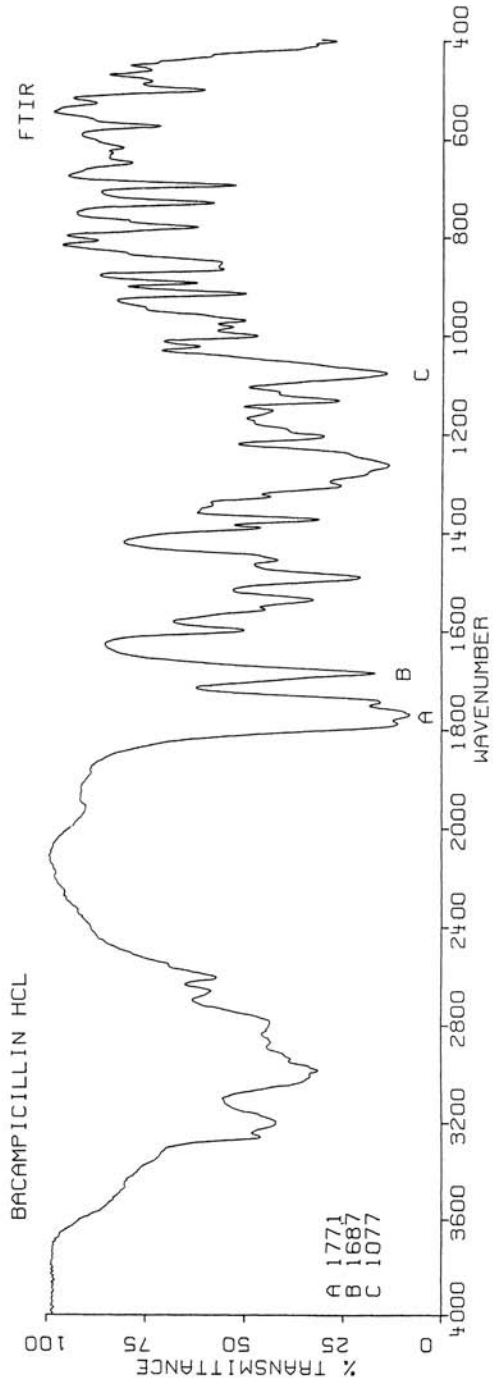




NO USEFUL MASS SPECTRUM WAS OBTAINED




BACAMPICILLIN HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 38 1.00
2 25 1.28
3 50 1.31
4 44 1.46
5 47 1.50
6 37 1.55
7 34 1.57
8 36 2.05
9 99 3.96
10 31 4.21
11 25 4.23
12 36 5.32
13 31 7.21
14 37 7.43
15 41 7.44
16 38 7.45
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

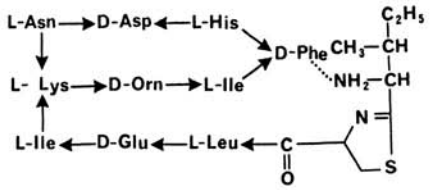

BACAMPICILLIN HCL
FTIR
A 1771
B 1687
C 1077
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C

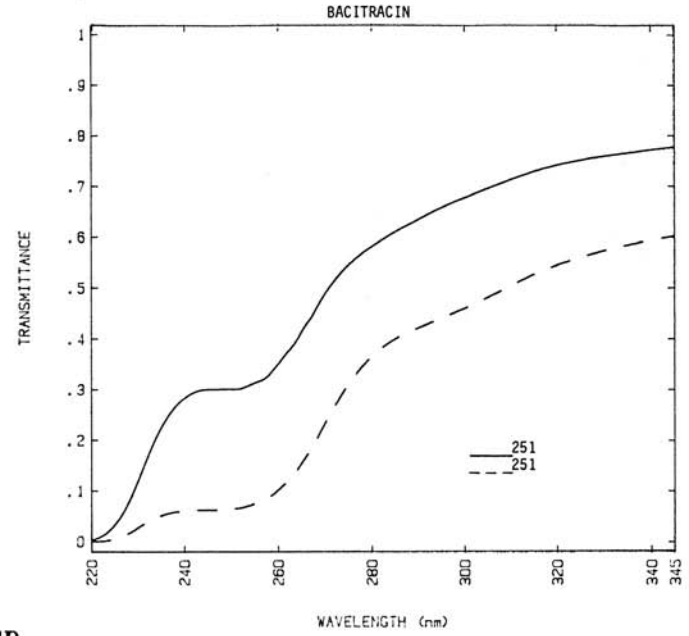
BACITRACIN

$C_{66}H_{103}N_{17}O_{16}S$ (Bacitracin A)

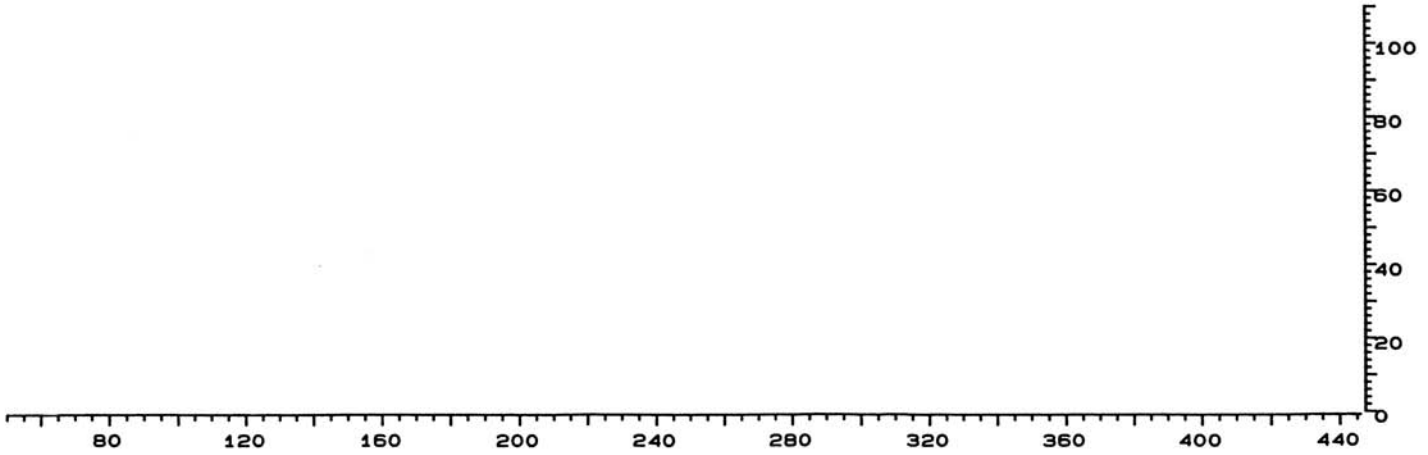
Molecular weight: 1422.62 (1421.75)
Synonyms: Ayfivin; Penitracin

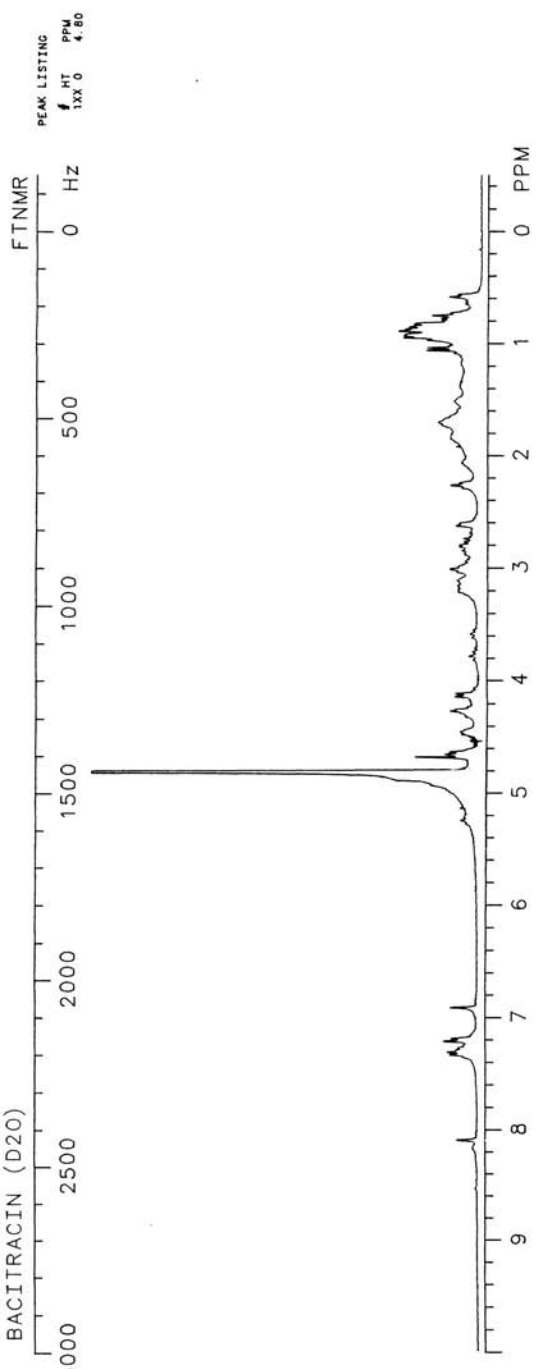
Trade names: Bacitin, Bacitracin, Baciguent, Cortisporin, Neosporin, Neo-Polycin, Polysporin, Topisporin
Use: Antibacterial
HPLC:
GC:

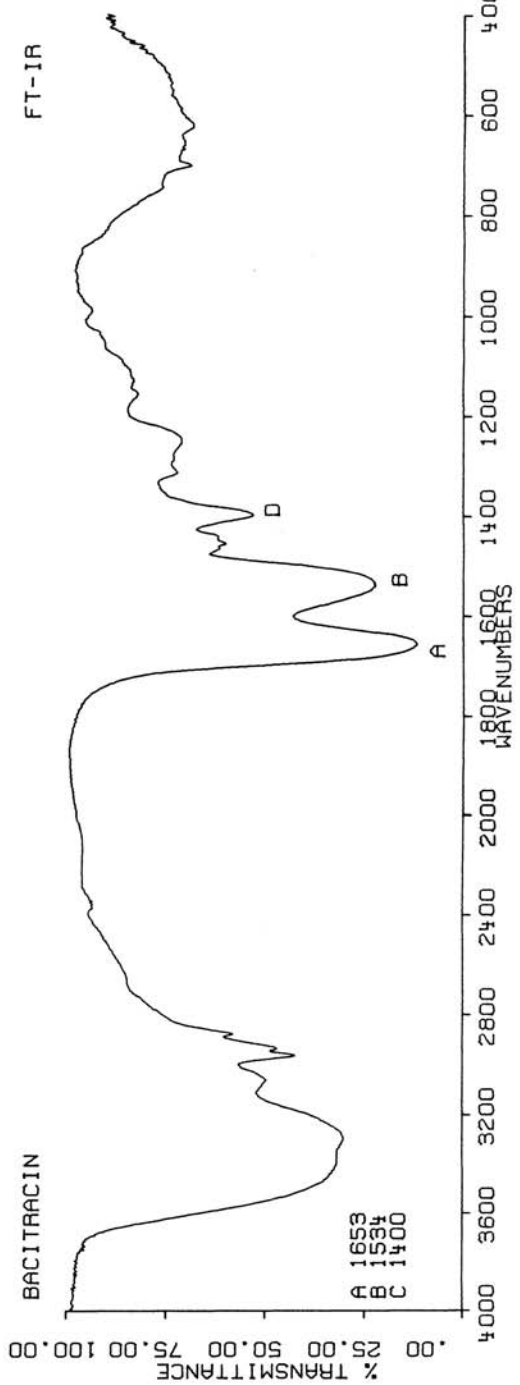




NO USEFUL MASS SPECTRUM WAS OBTAINED




BACITRACIN (D2O)
FTNMR
PEAK LISTING
HT
1XX 0
PPM
4.80
3000
2500
2000
1500
1000
500
0 Hz
9
8
7
6
5
4
3
2
1
0 PPM


FT-IR
BACITRACIN
A 1653
B 1534
C 1400
A
B
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

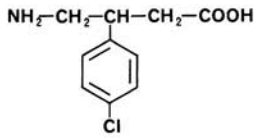
BACLOFEN

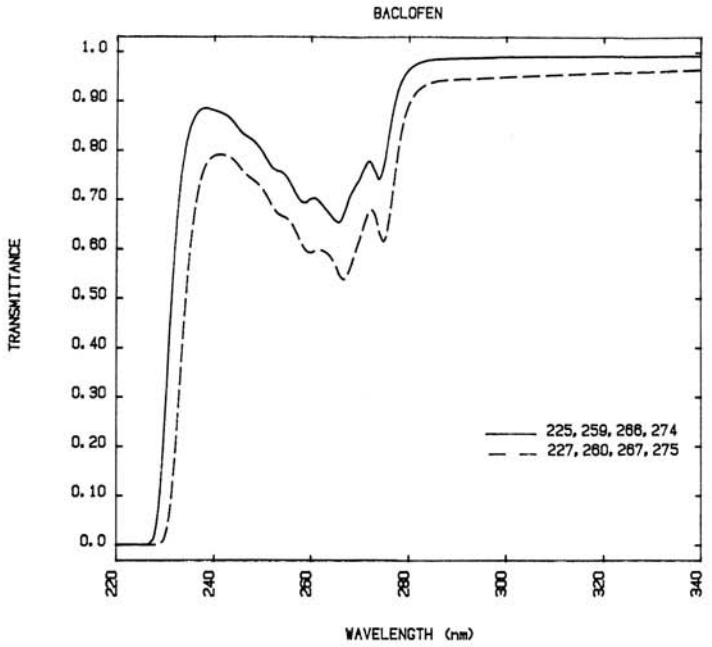
$C_{10}H_{12}ClNO_2$

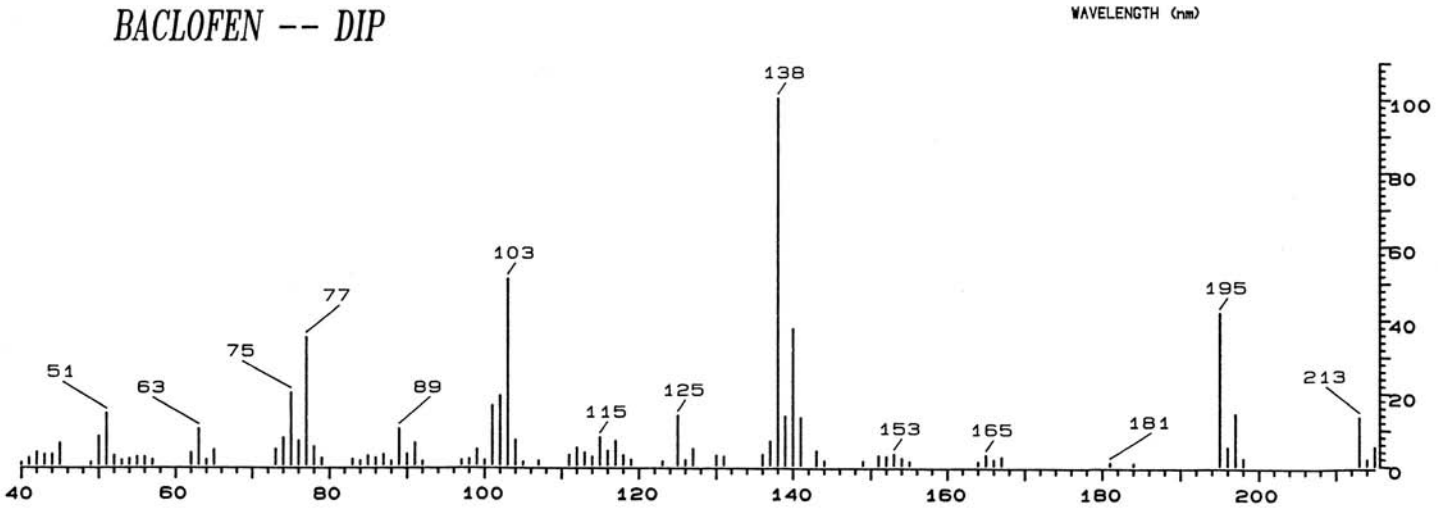
Molecular weight: 213.66 (213.06)
Synonyms: β -(Aminomethyl)-4-chlorobenzenepropanoic acid

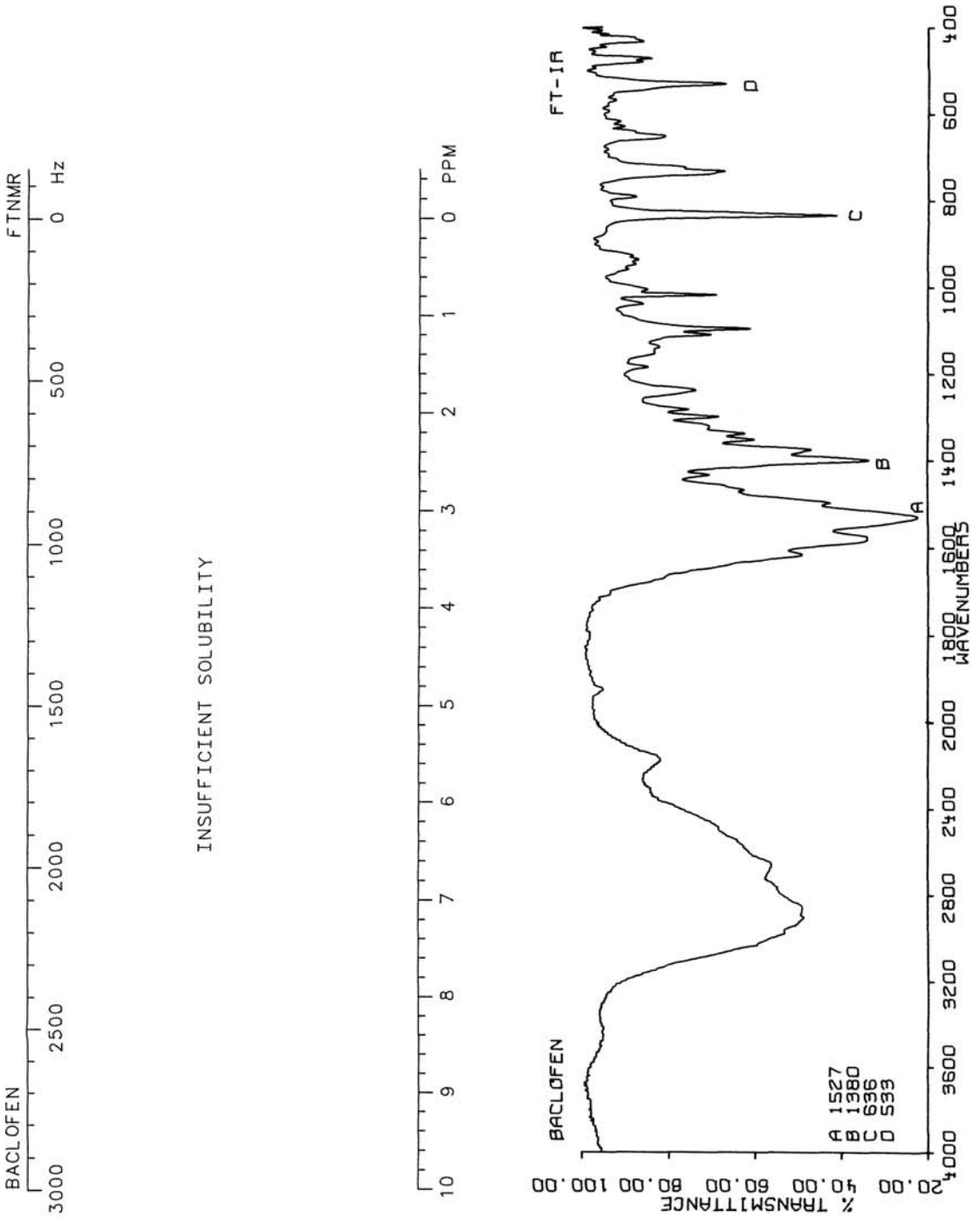
Trade names: Lioresal

Use: Muscle relaxant
HPLC:
GC:







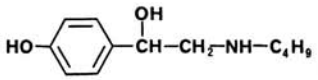

BACLOFEN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
BACLOFEN
FT-IR
A 1527
B 1380
C 636
D 533
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

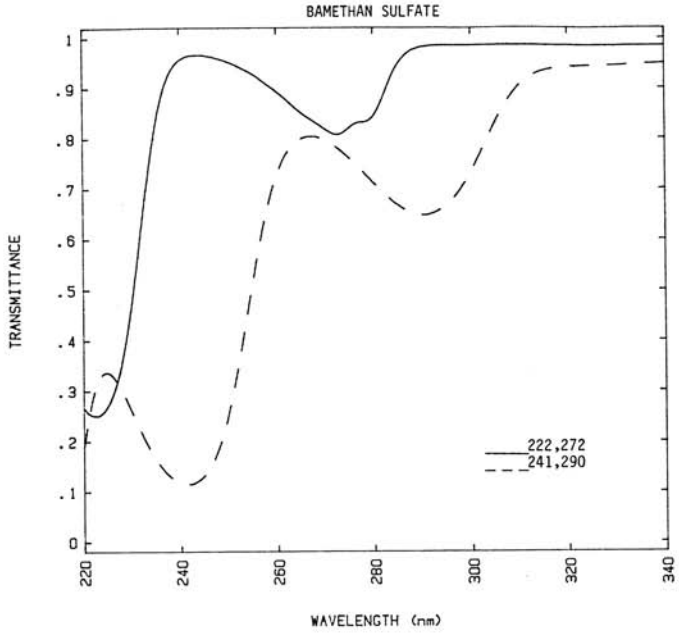
BAMETHAN

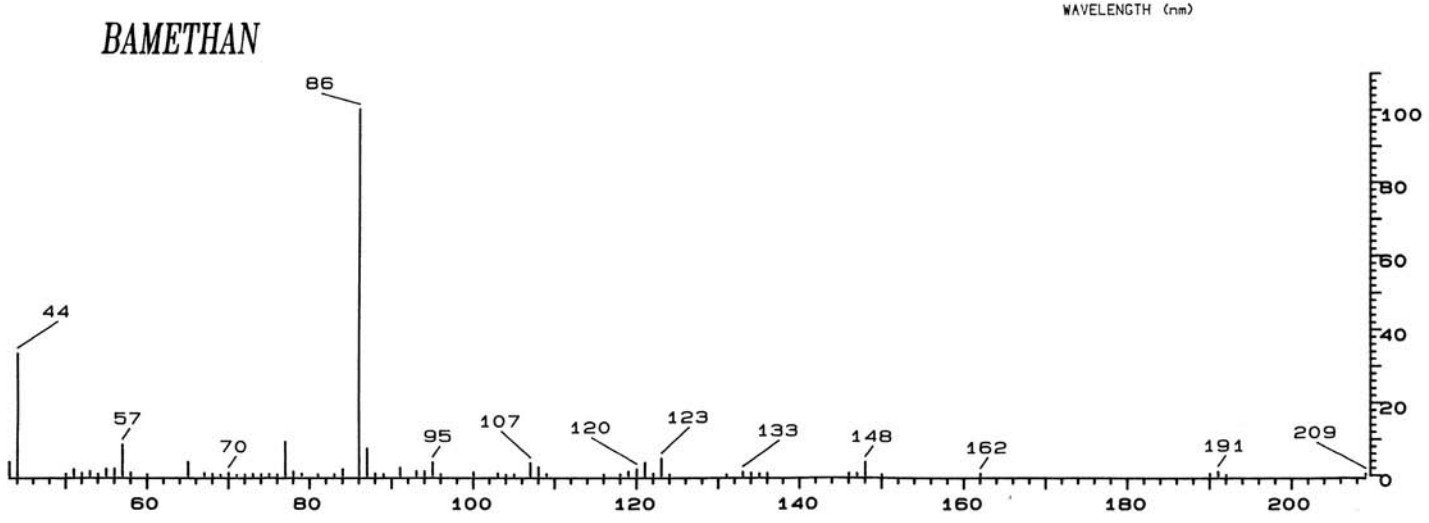
$C_{12}H_{19}NO_2$

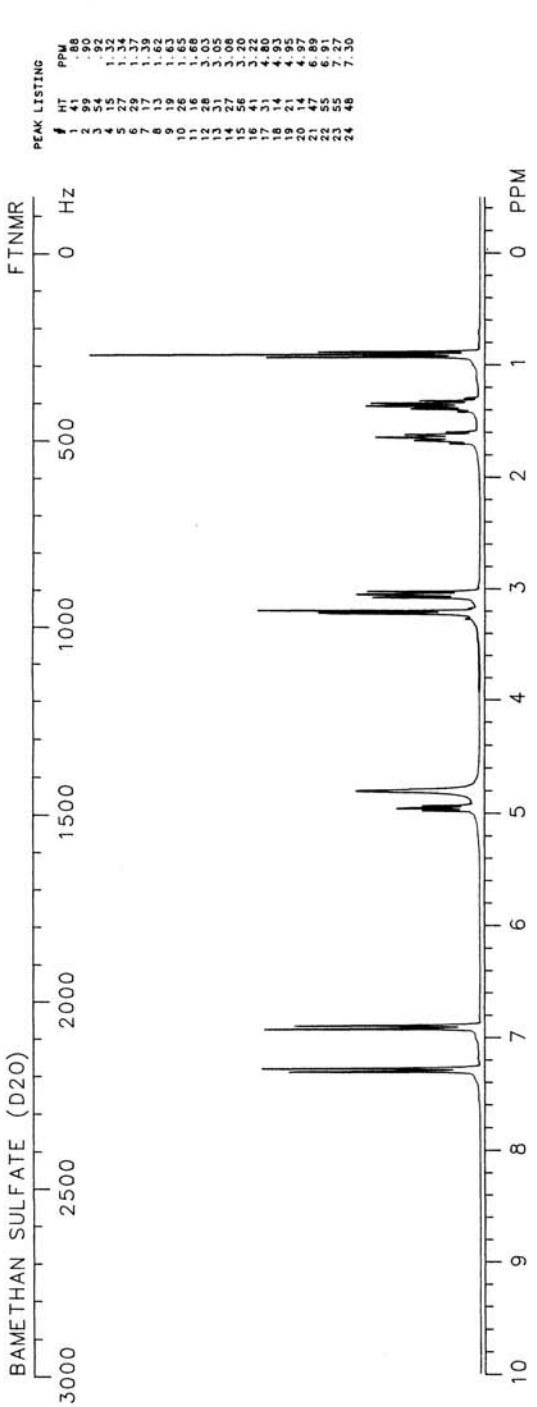
Molecular weight: 209.28 (209.14)

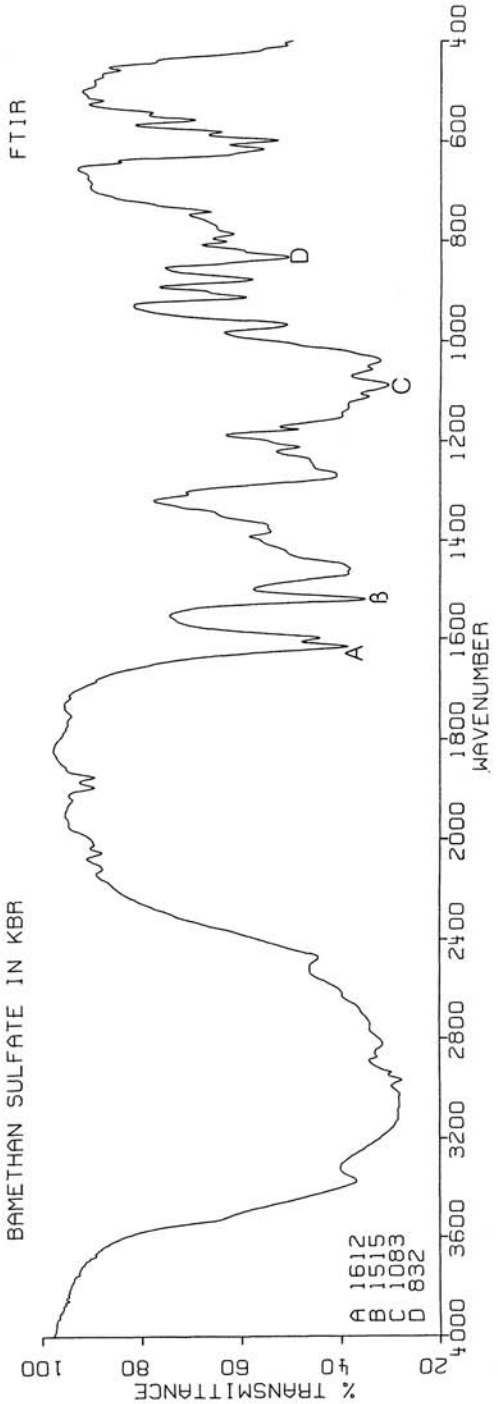
Synonyms: α-[(Butylamino)methyl]-4-hydroxybenzenemethanol; 1-(p-hydroxyphenyl)-2-butylaminoethanol
Trade names: Butedrin, Bupatol, Garmian, Rotesar, Vaskulat, Vasculat, Vasculit, Vascunicol
Use: Vasodilator
HPLC: Si-10; 20A:80B; 5.1
GC: 1920; 200°C








BAMETHAN SULFATE (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 41 .88
2 99 .90
3 54 .92
4 15 1.32
5 27 1.34
6 29 1.37
7 17 1.39
8 13 1.62
9 19 1.63
10 26 1.65
11 16 1.68
12 28 3.03
13 31 3.05
14 27 3.08
15 56 3.20
16 41 3.22
17 31 4.80
18 14 4.93
19 21 4.95
20 14 4.97
21 47 6.89
22 55 6.91
23 55 7.27
24 48 7.30

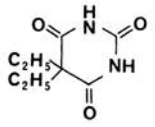

BAMETHAN SULFATE IN KBR
FTIR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1612
B 1515
C 1083
D 832
A
B
C
D

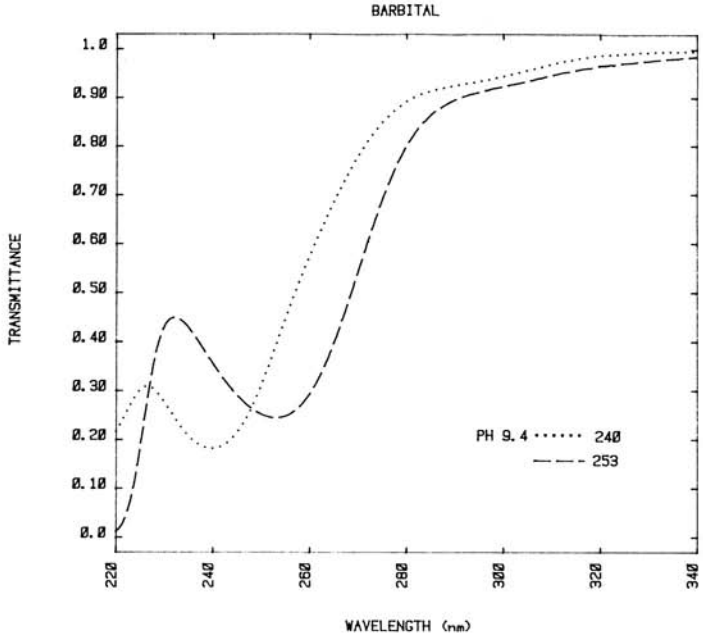
BARBITAL

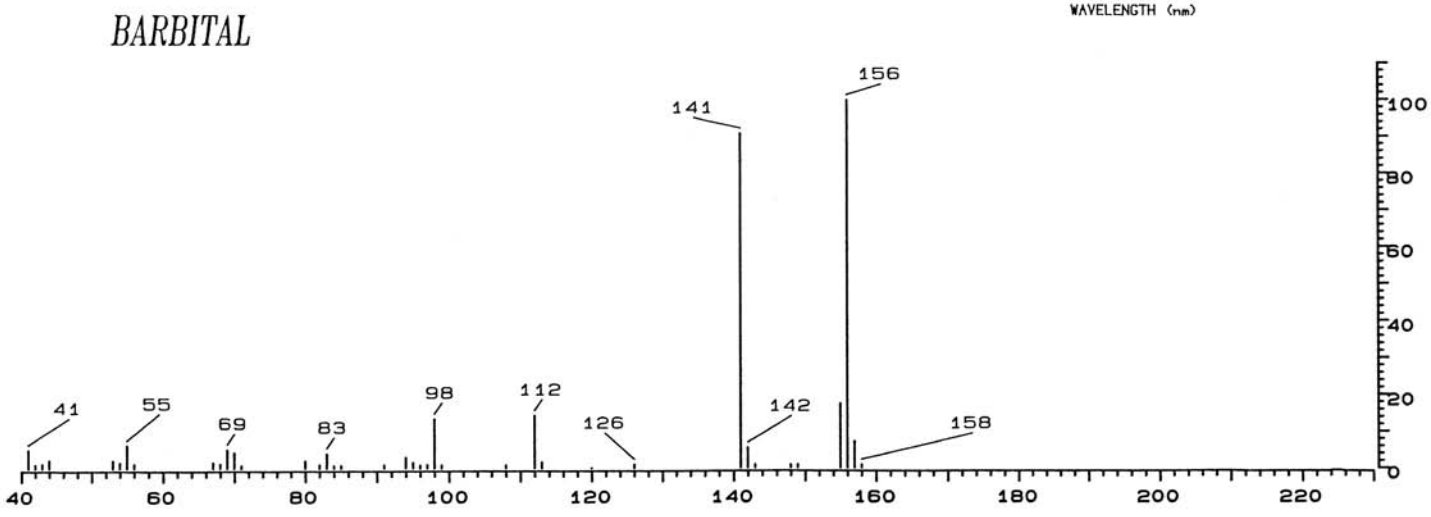
$C_8H_{12}N_2O_3$

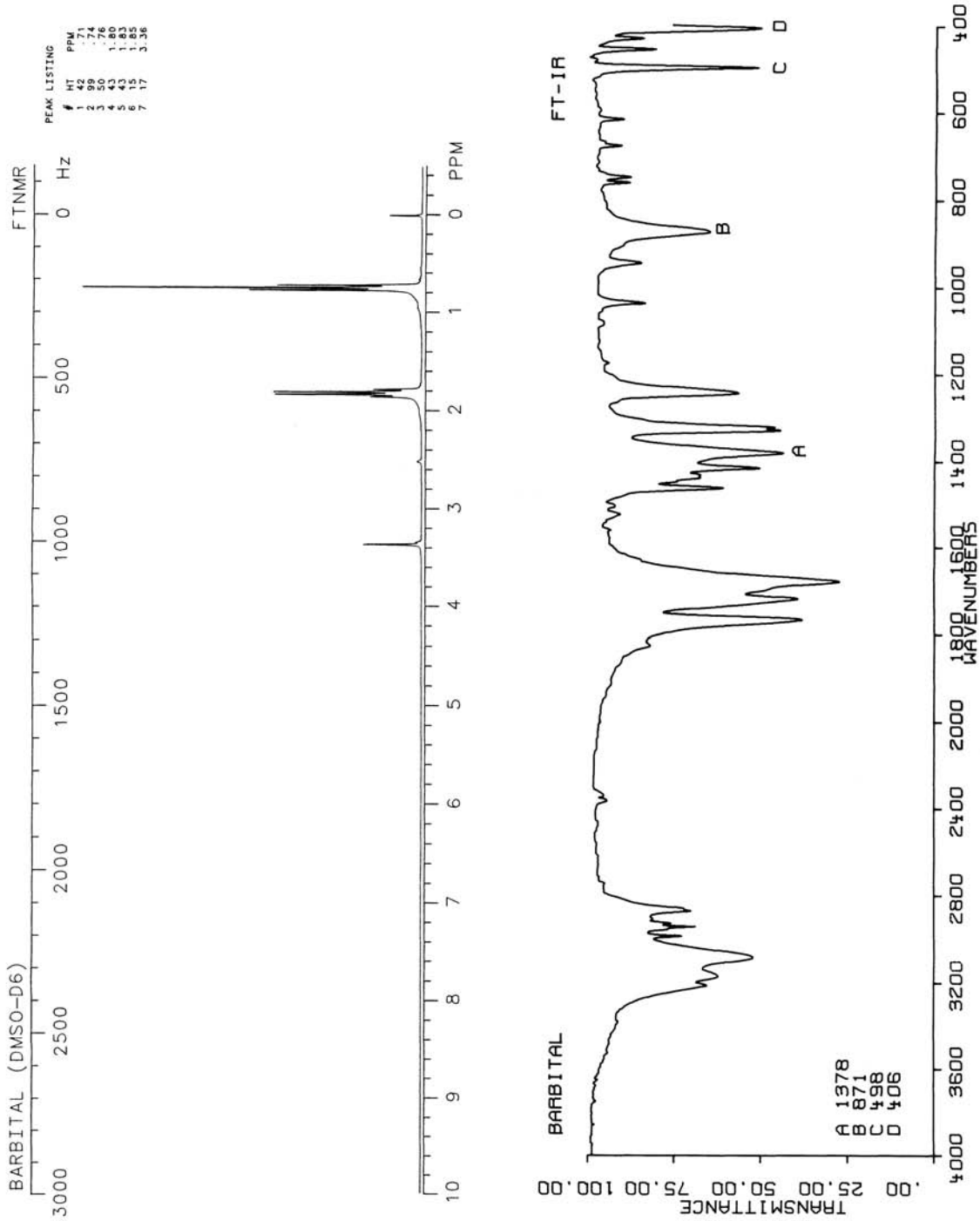
Molecular weight: 184.19 (184.09)
Synonyms: 5,5-Diethyl-2,4,6(1H,3H,5H)pyrimidinetrione;
5,5-diethylbarbituric acid; barbitone; diethylmalonylurea
Trade names: Malonal, Veronal

Use: Sedative, hypnotic
HPLC: Si-10; 2A:98B; 5.7
GC: 1519; 200°C







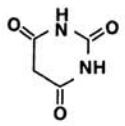

BARBITAL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 42 .71
2 99 .74
3 50 .76
4 43 1.80
5 43 1.83
6 15 1.85
7 17 3.36
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BARBITAL
FT-IR
A 1378
B 871
C 498
D 406
A B C D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

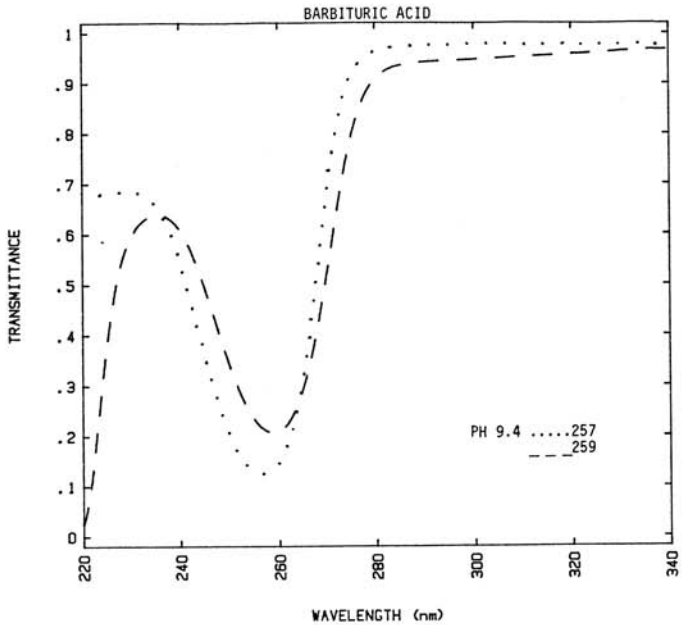
BARBITURIC ACID

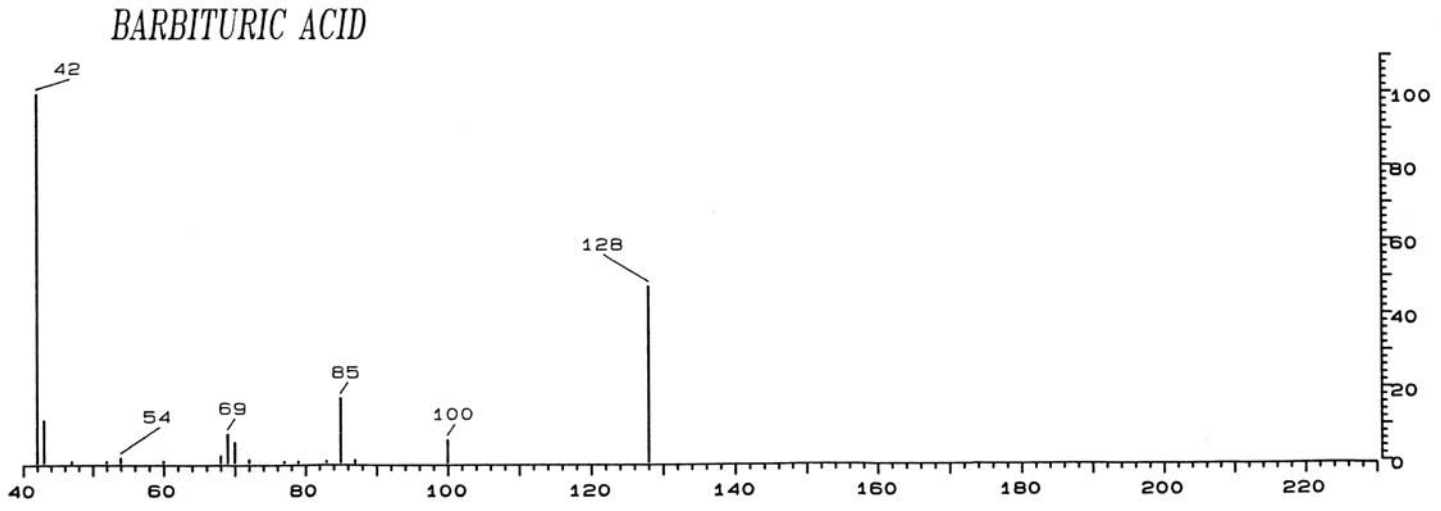
$C_4H_4N_2O_3$

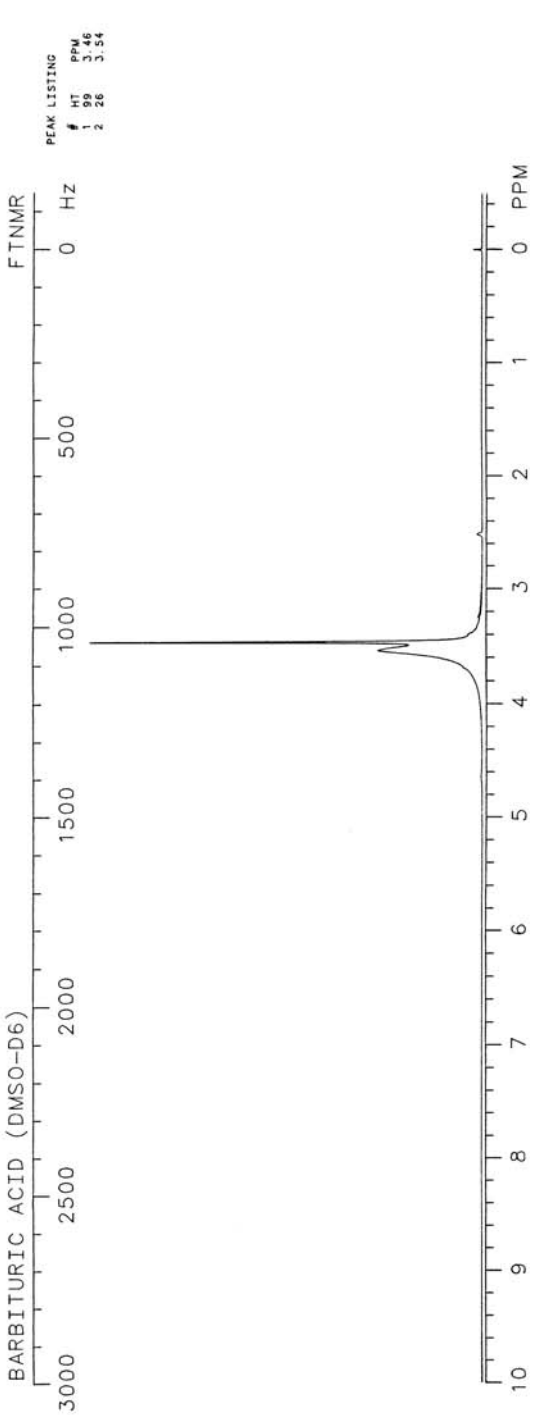
Molecular weight: 128.09 (128.02)
Synonyms: 2,4,6-(1H,3H,5H)-pyrimidinetrione; malonylurea; 2,4,6-trioxohexahydropyrimidone; pyrimidine-2,4,6-trione
Trade names:

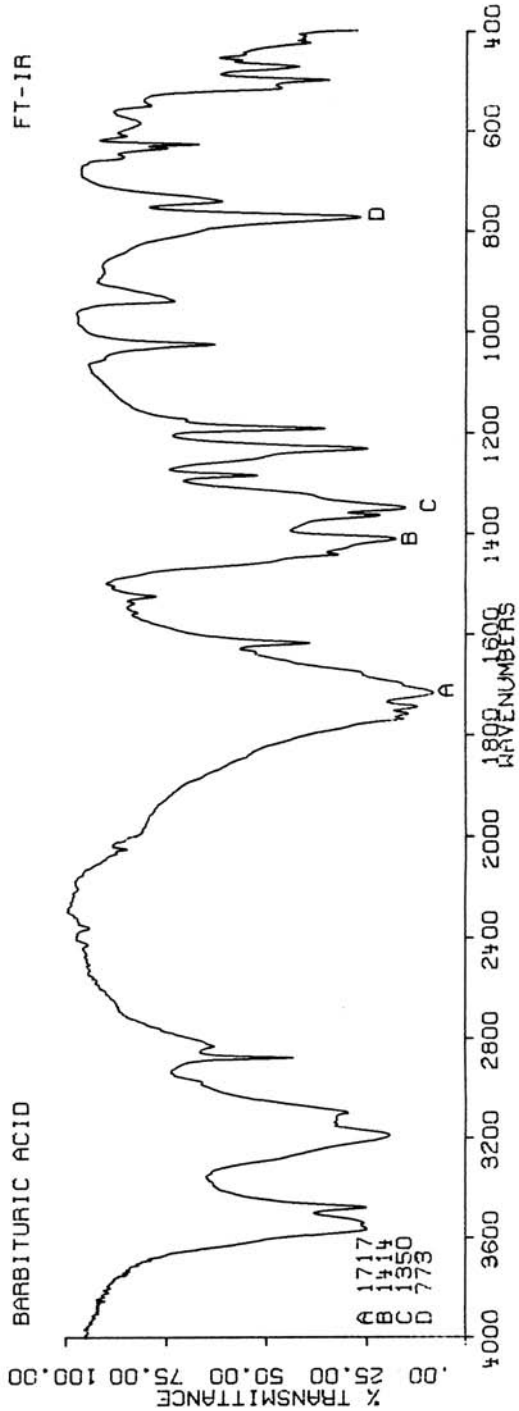
Use: Sedative
HPLC:
GC:








BARBITURIC ACID (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 99 3.46
2 26 3.54
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

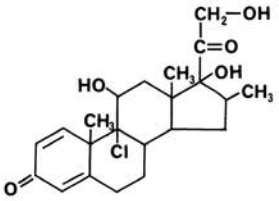

BARBITURIC ACID
FT-IR
A 1717
B 1414
C 1350
D 773
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

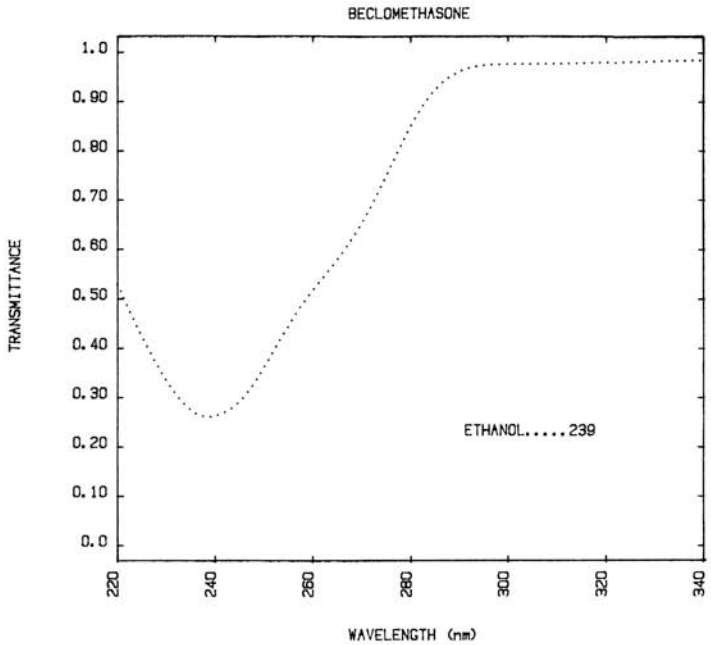
BECLOMETHASONE

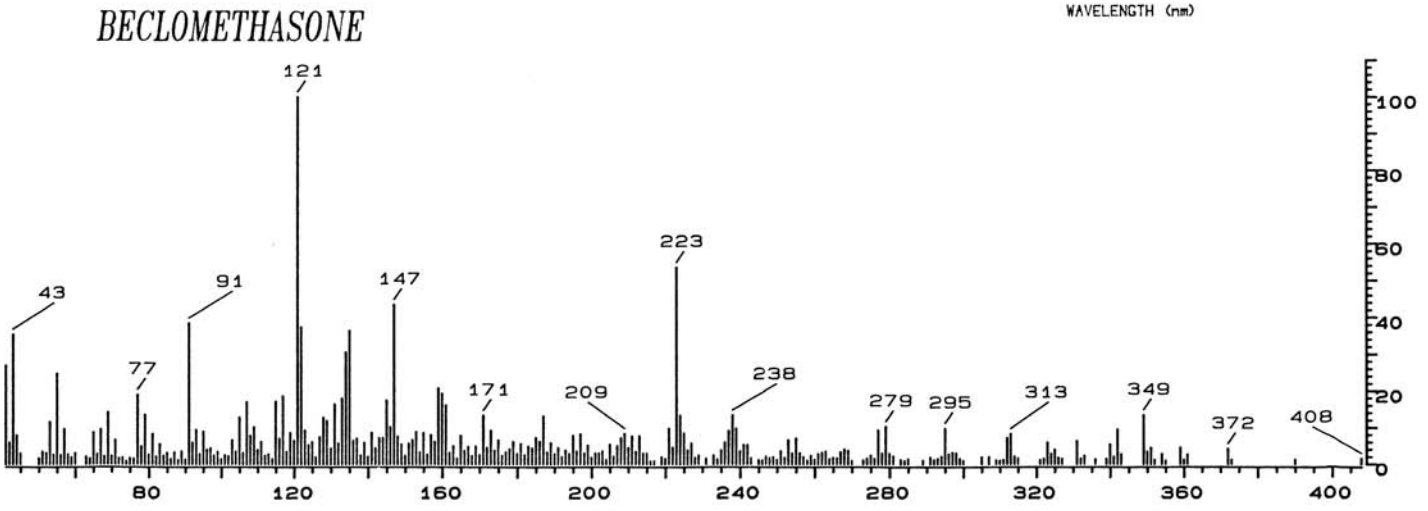
$C_{22}H_{29}ClO_5$

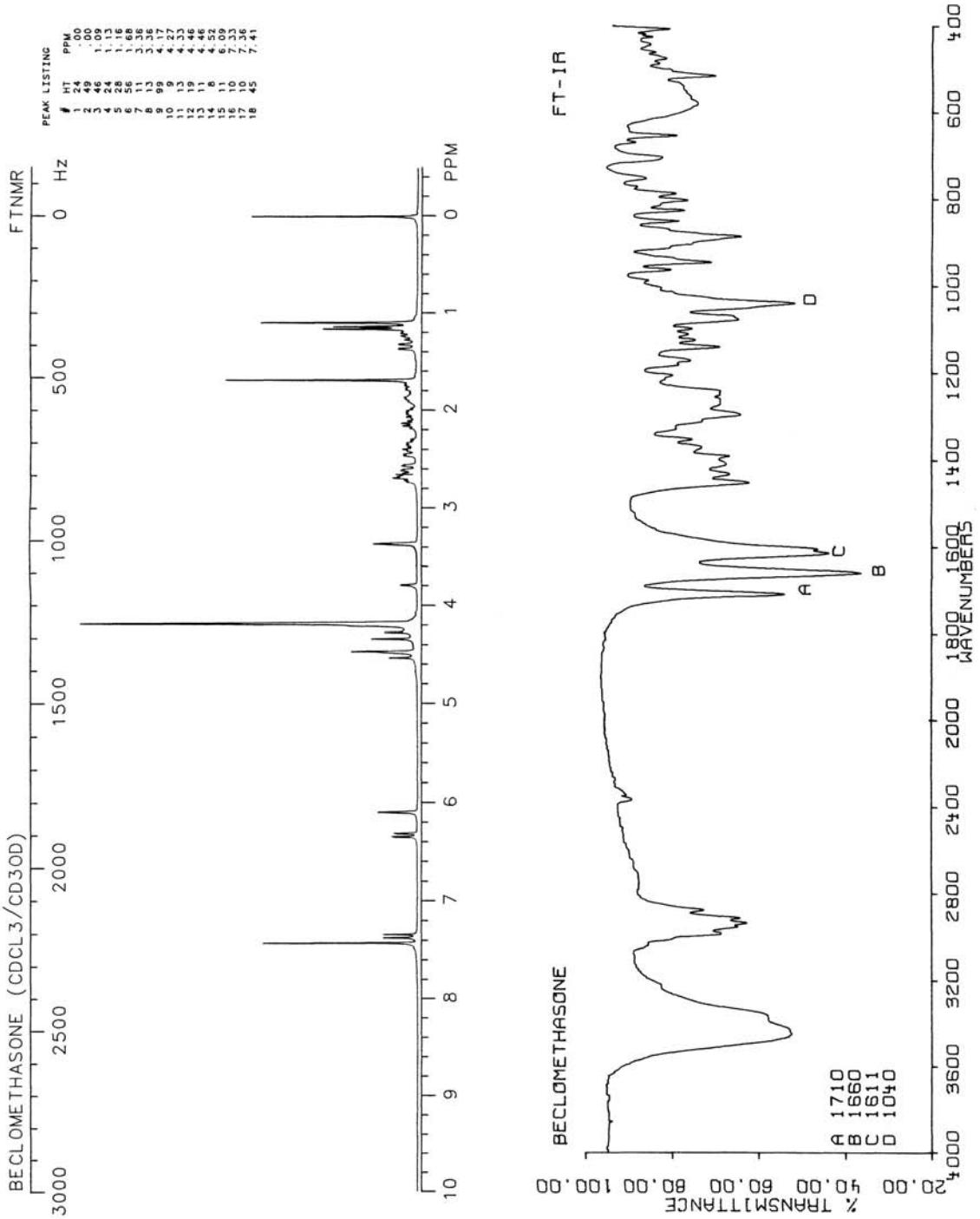
Molecular weight: 408.92 (408.17)
Synonyms: 9-Chloro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione
Trade names: Beclovent, Vancenase, Vanceril

Use: Topical anti-inflammatory
HPLC:
GC:





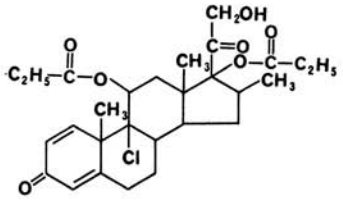


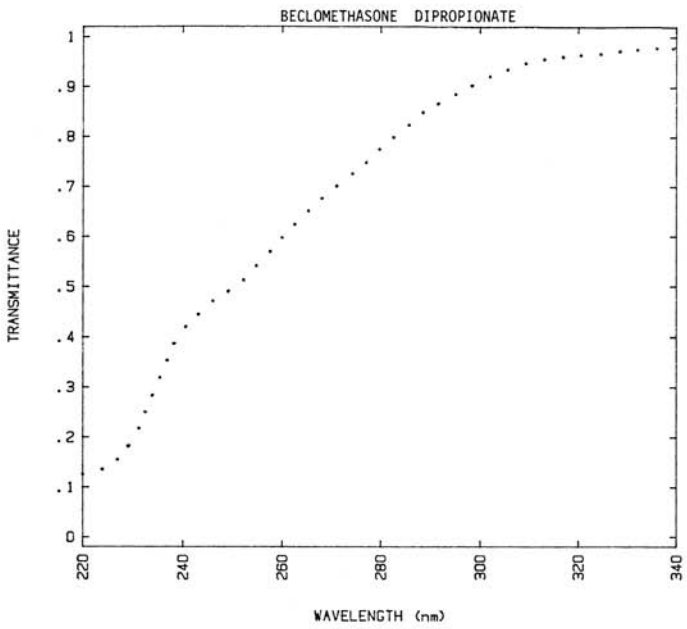

FTNMR
BECLOMETHASONE (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 24 .00
2 49 .00
3 46 1.09
4 24 1.13
5 28 1.16
6 55 1.68
7 11 3.36
8 13 3.36
9 99 4.17
10 9 4.27
11 13 4.33
12 19 4.46
13 11 4.46
14 8 4.52
15 11 6.09
16 10 7.33
17 10 7.36
18 45 7.41
FT-IR
BECLOMETHASONE
A 1710
B 1660
C 1611
D 1040
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

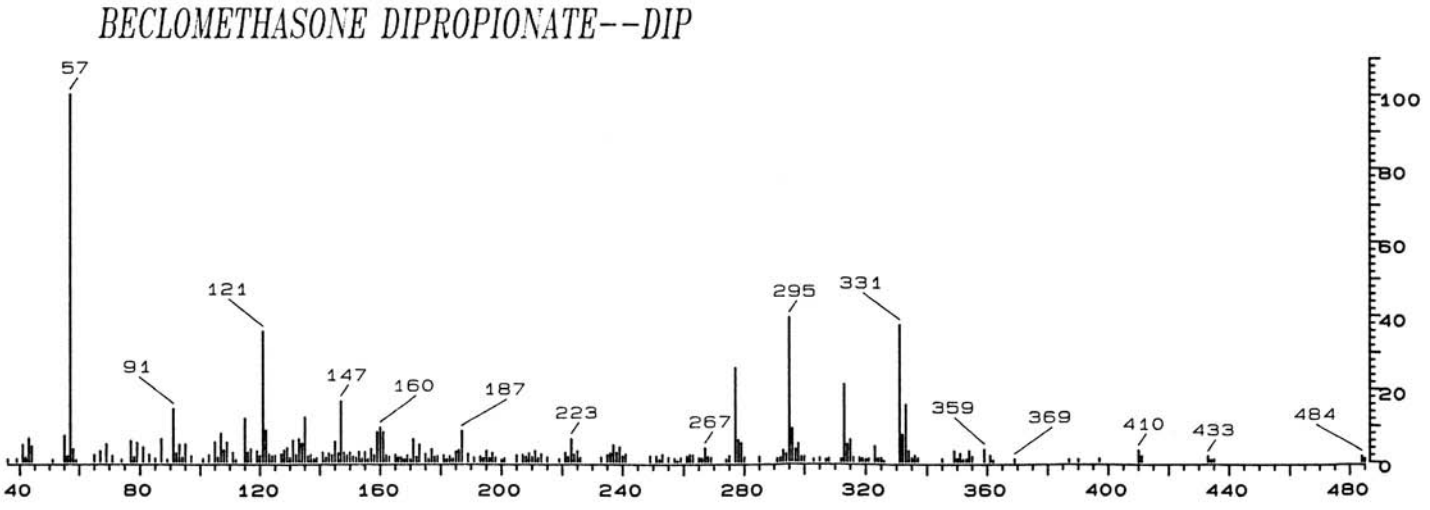
BECLOMETHASONE DIPROPIONATE

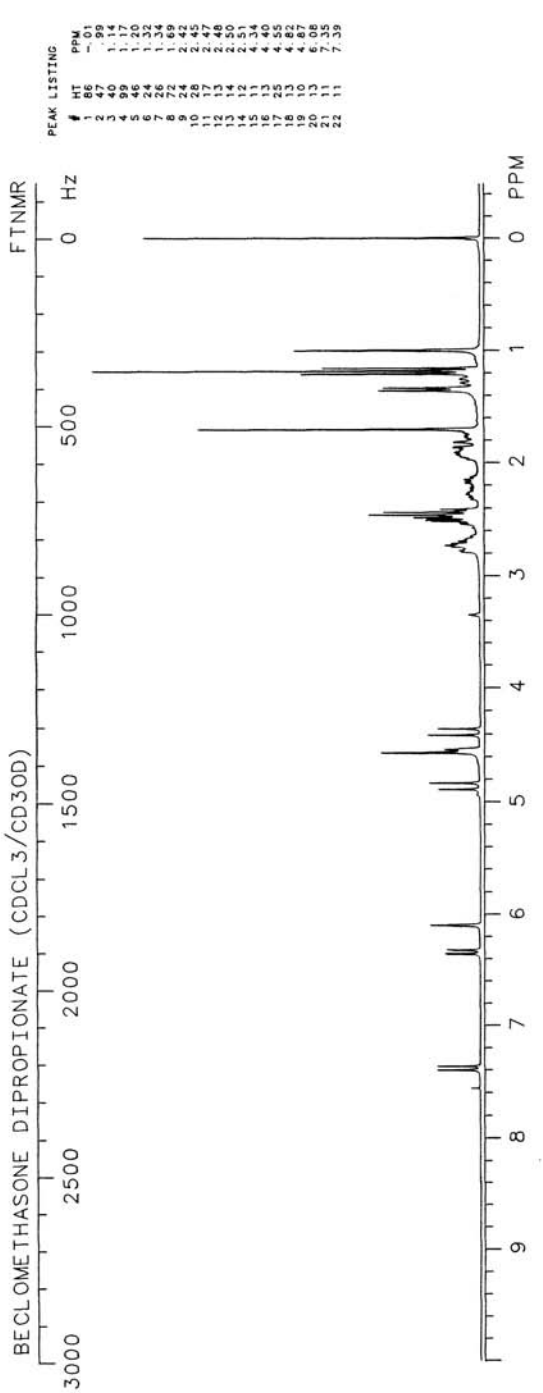
$C_{28}H_{37}ClO_7$

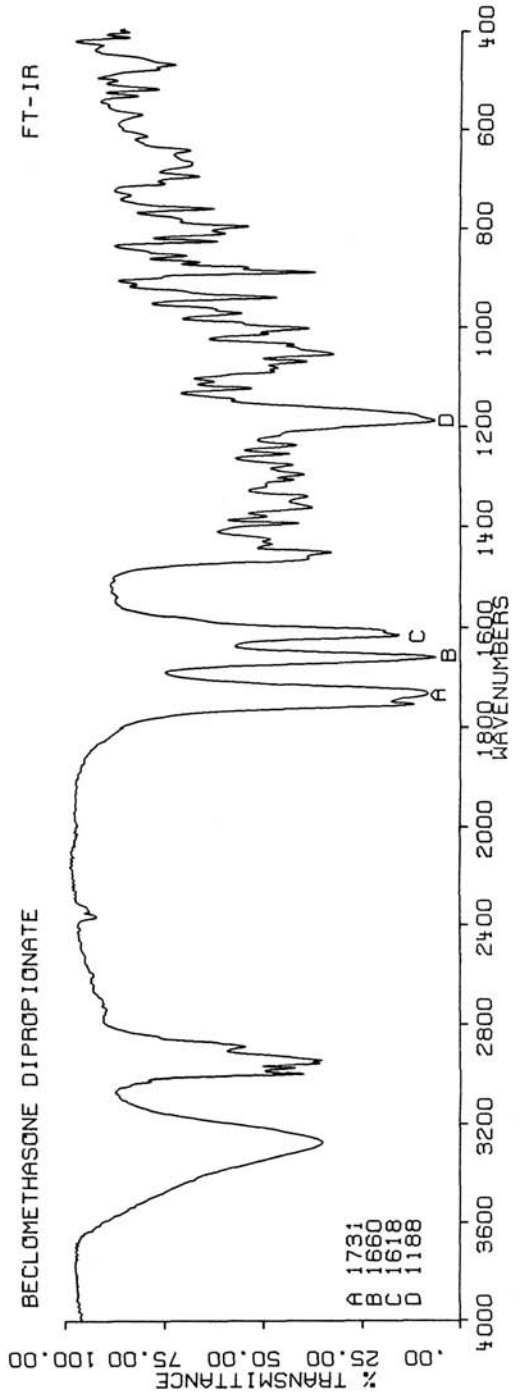
Molecular weight: 521.01 (520.22)
Synonyms: 9-Chloro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione
Trade names: Beclacin, Beclovent, Beconase, Aldecin, Inalone, Vanceril Vancenase
Use: Anti-inflammatory
HPLC: Si-10; 100B; 8.0
GC:







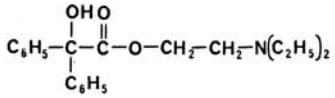

FTNMR
BECLOMETHASONE DIPROPIONATE (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 86 -.01
2 47 .99
3 40 1.14
4 99 1.17
5 46 1.20
6 24 1.32
7 26 1.34
8 72 1.69
9 24 2.42
10 28 2.45
11 17 2.47
12 13 2.48
13 14 2.50
14 12 2.51
15 11 4.34
16 13 4.40
17 25 4.55
18 10 4.62
19 10 4.67
20 13 6.08
21 11 7.35
22 11 7.39

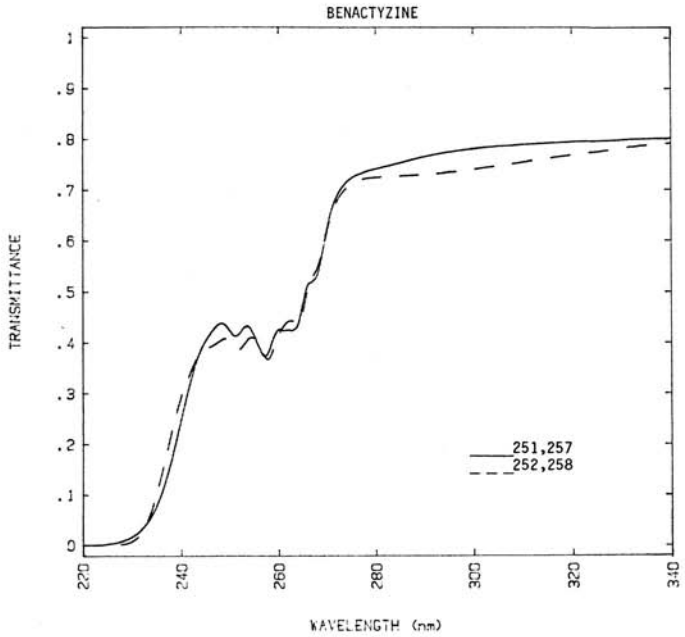

FT-IR
BECLOMETHASONE DIPROPIONATE
A 1731
B 1660
C 1618
D 1188
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

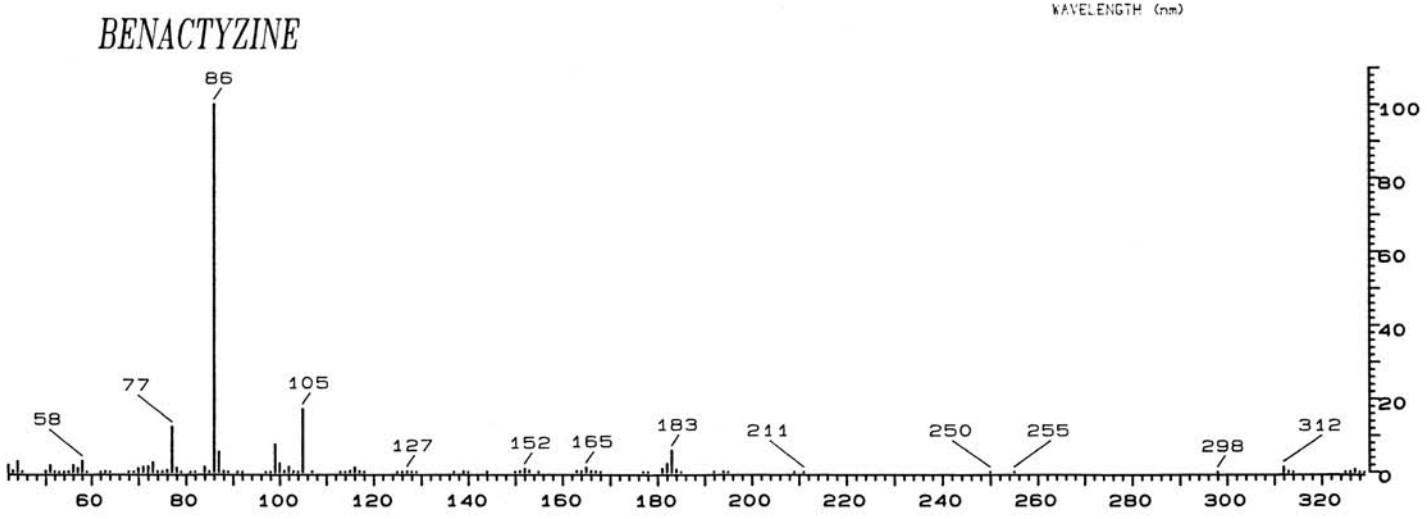
BENACTYZINE

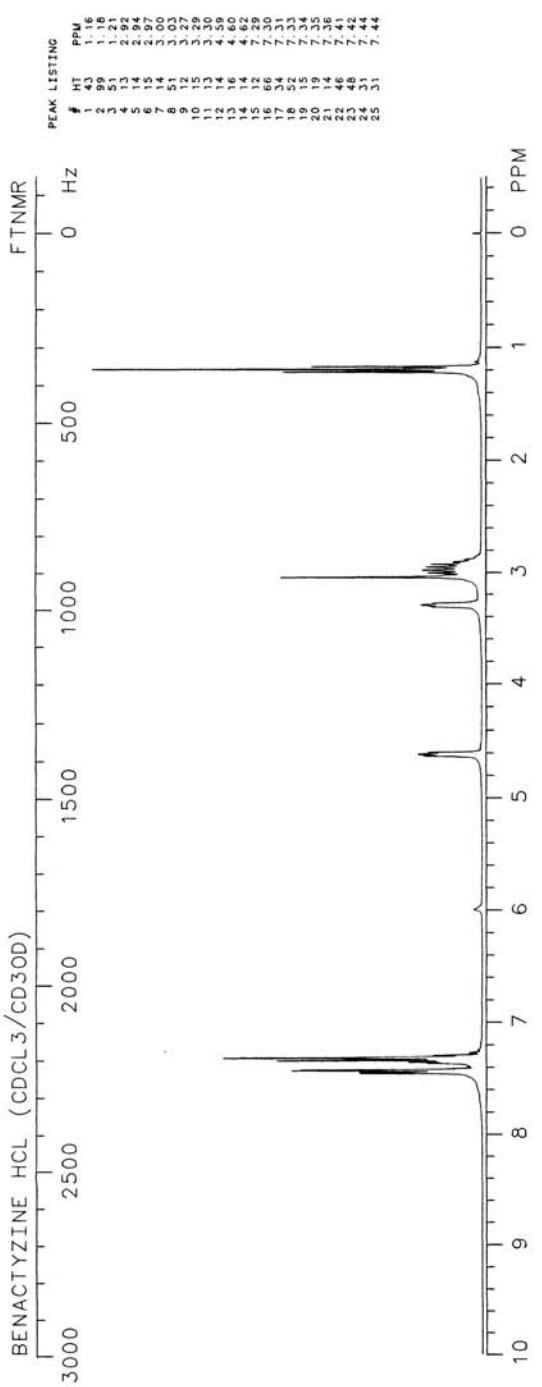
$C_{20}H_{25}NO_3$

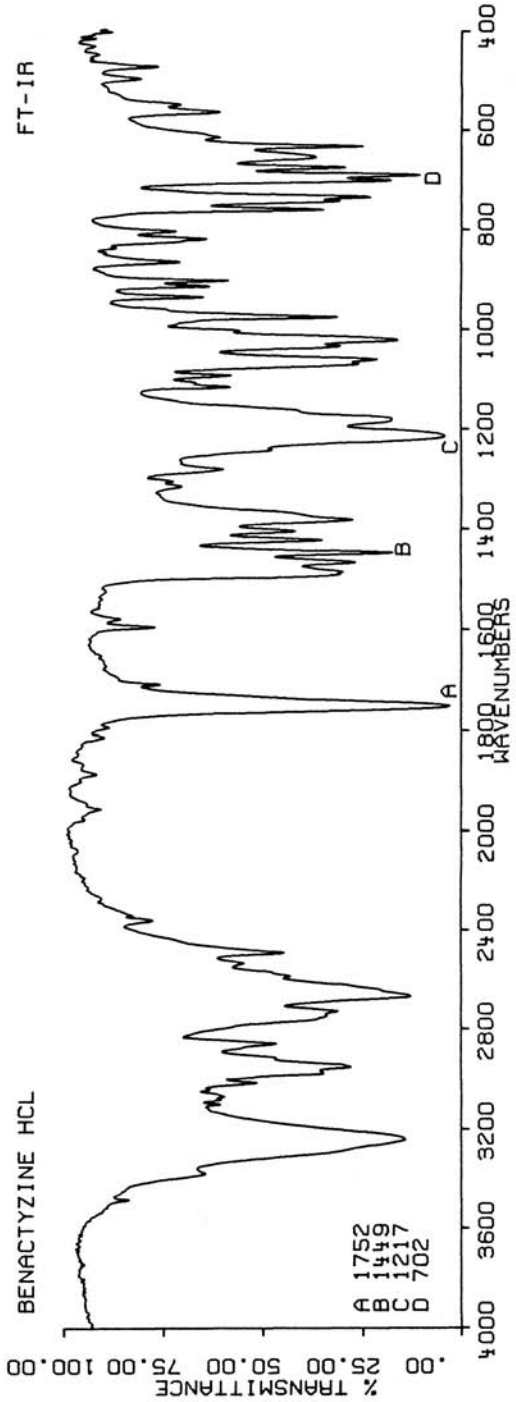
Molecular weight: 327.41 (327.18)
Synonyms: α-Hydroxy-α-phenylbenzeneacetic acid 2-(diethylamino)ethyl-ester; β-diethylaminoethyl benzilate
Trade names: Actozine, Amizil, Arcadine, Cafron, Cedad, Cevanol, Deprol, Fobex, Lucidil, Nutinal, Parasan, Parpon, Suavitil, Teva
Use: Tranquilizer, anticholinergic
HPLC: Si-10; 1A:99B; 6.5
GC: 2315; 250°C








BENACTYZINE HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 43 1.16
2 89 1.18
3 55 1.21
4 13 2.92
5 14 2.94
6 15 2.97
7 14 3.00
8 51 3.03
9 12 3.27
10 13 3.29
11 13 3.30
12 14 4.59
13 16 4.60
14 14 4.62
15 12 7.28
16 66 7.30
17 36 7.31
18 52 7.33
19 15 7.34
20 19 7.35
21 14 7.36
22 46 7.41
23 40 7.42
24 31 7.44
25 31 7.44


BENACTYZINE HCL
FT-IR
A 1752
B 1449
C 1217
D 702
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

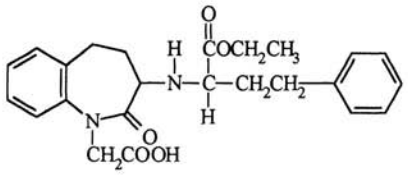
BENAZEPRIL

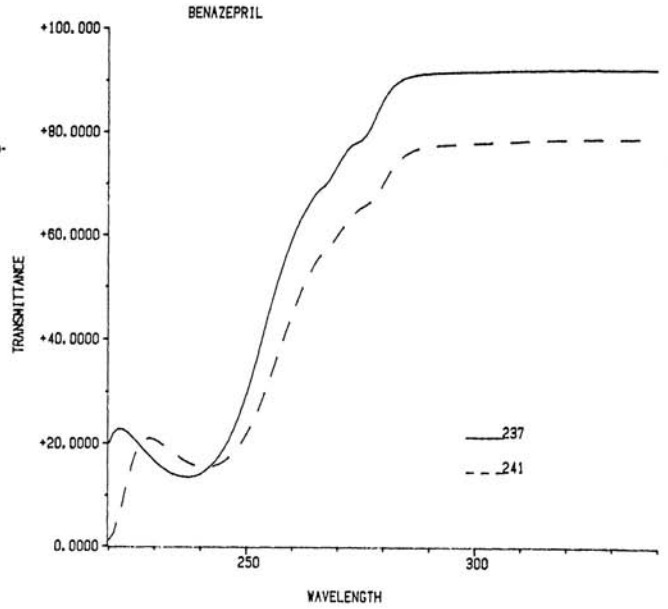
$C_{24}H_{28}N_2O_5$

Molecular Weight: 424.49 (424.20)

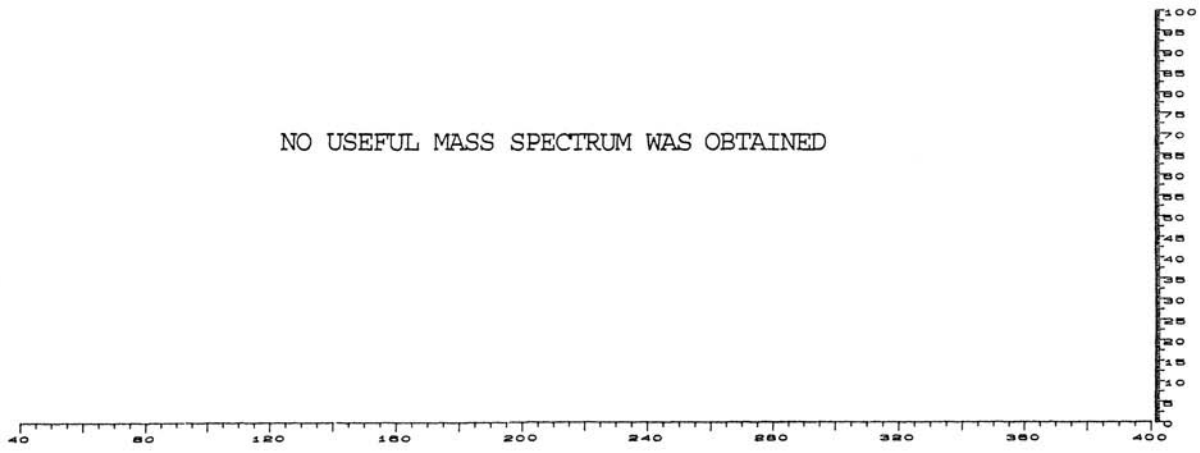
Synonyms: 3-[[1-(Ethoxycarbonyl)-3-phenyl-(1S)-propyl]amino]2,3,4,5-tetrahydro-2-oxo-1H-(3S)-benzazepine-1-acetic acid
Trade Names: Lotensin, Lotensin HCT, Lotrel
Use: Enzyme inhibitor

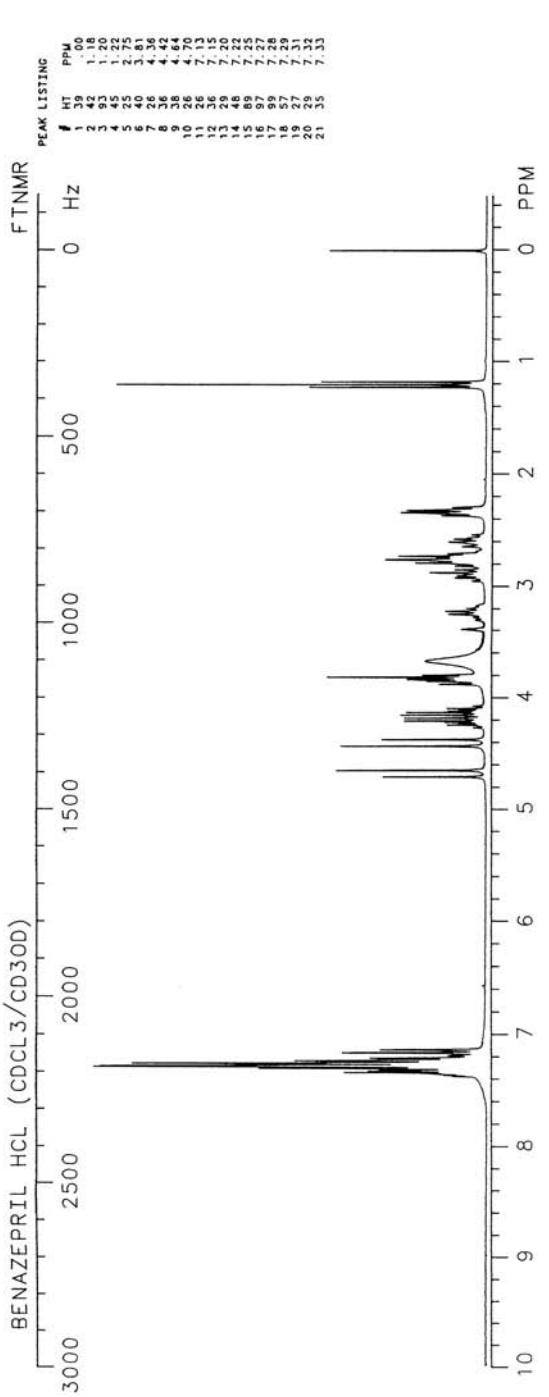
HPLC:
GC:

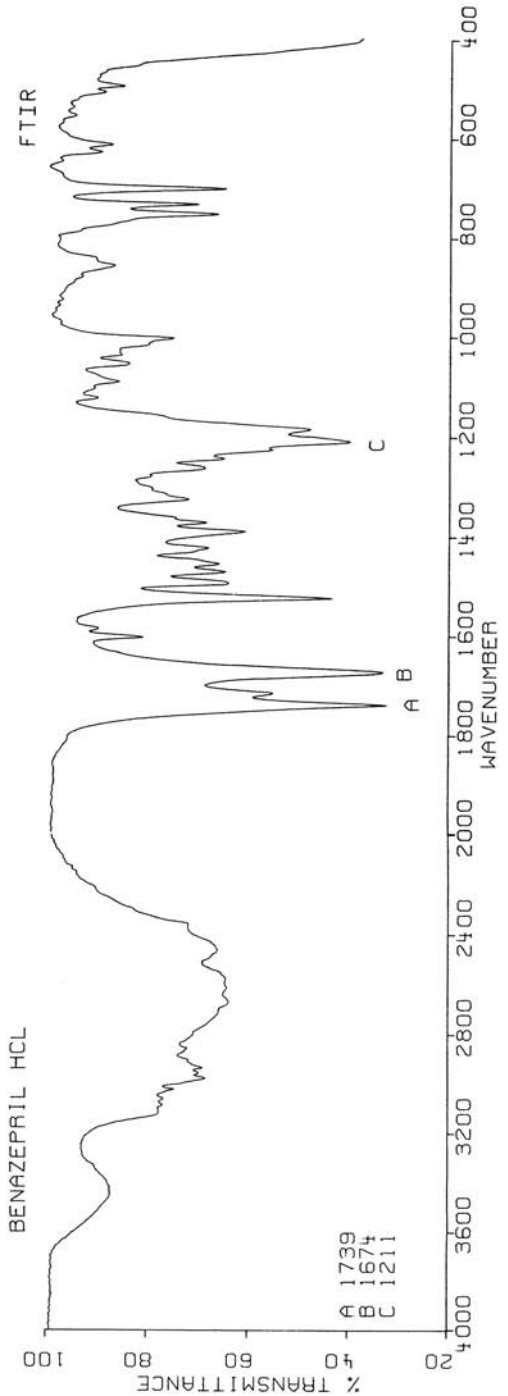




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
BENAZEPRIL HCL (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 39 1.00
2 42 1.18
3 93 1.20
4 45 1.22
5 25 1.25
6 40 3.61
7 26 4.36
8 36 4.42
9 38 4.64
10 26 4.70
11 36 7.13
12 36 7.15
13 26 7.20
14 48 7.22
15 89 7.25
16 97 7.27
17 99 7.28
18 57 7.29
19 29 7.31
20 27 7.32
21 35 7.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

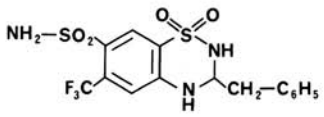

FTIR
BENAZEPRIL HCL
A 1739
B 1674
C 1211
A B
C
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

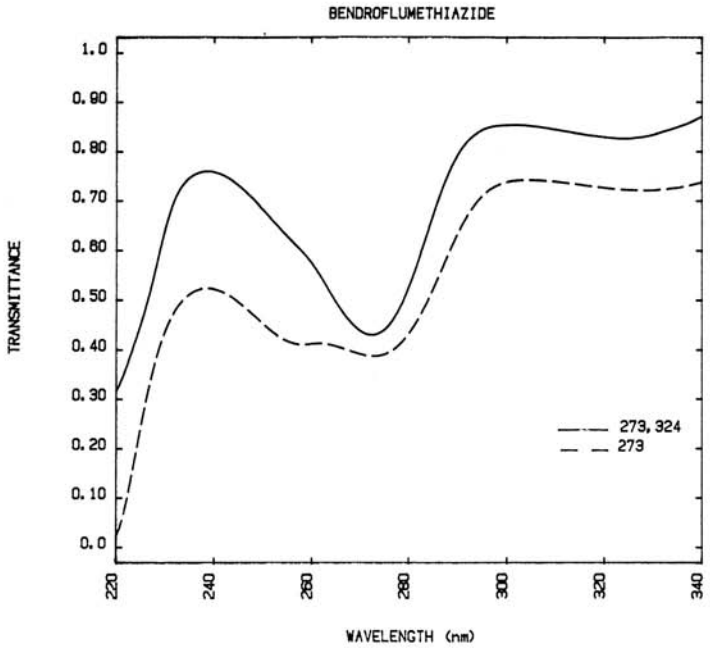
BENDROFLUMETHIAZIDE

$C_{15}H_{14}F_3N_3O_4S_2$

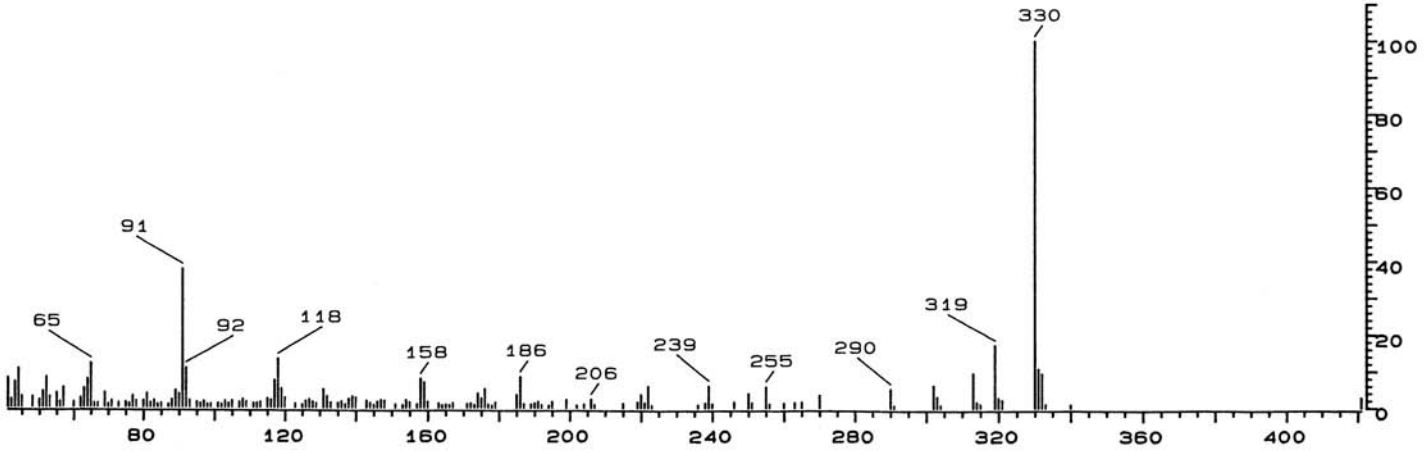
Molecular weight: 421.41 (421.04)
Synonyms: 3,4-Dihydro-3-(phenylmethyl)-6-(trifluorolmethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide; bendrofluazide
Trade names: Naturetin, Rauzide

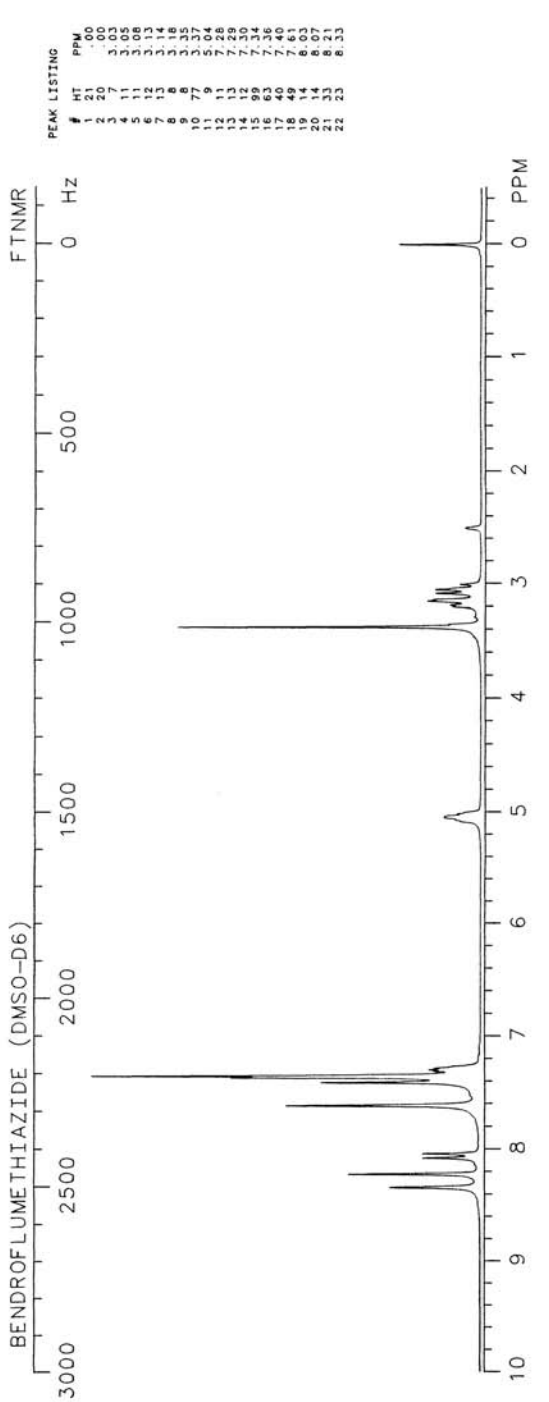
Use: Diuretic, antihypertensive
HPLC: Si-10; 2A:98B; 4.0
GC:

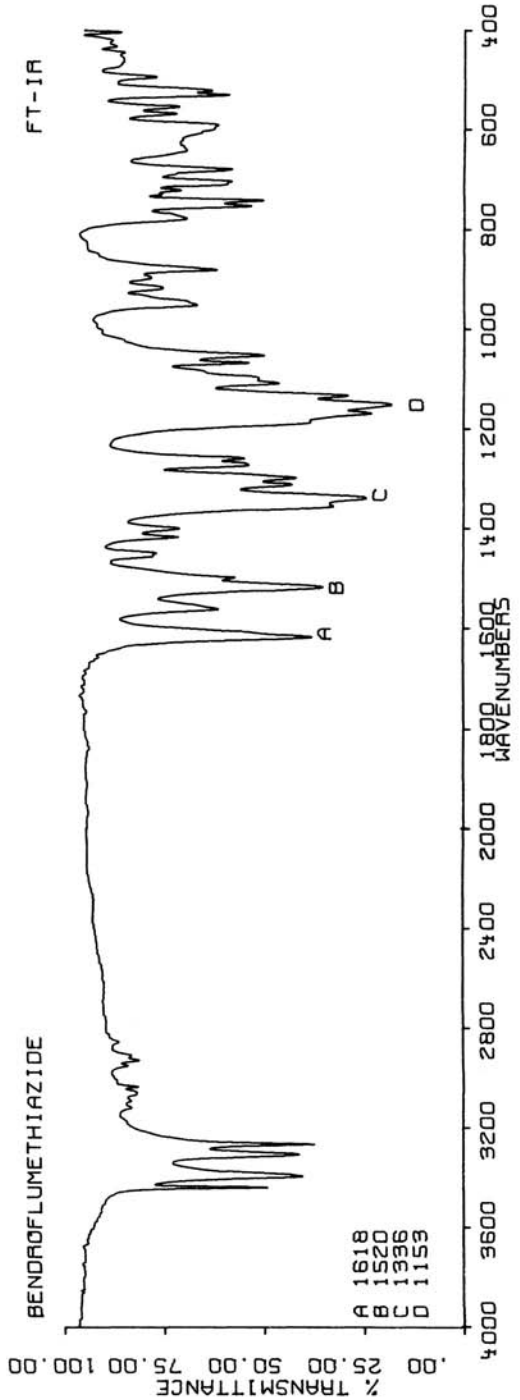




BENDROFLUMETHIAZIDE -- DIP




FTNMR
BENDROFLUMETHIAZIDE (DMSO-D6)
PEAK LISTING
HT PPM
1 21 3.00
2 20 3.00
3 17 3.03
4 11 3.05
5 11 3.08
6 12 3.13
7 13 3.14
8 8 3.18
9 8 3.35
10 77 3.37
11 9 5.04
12 11 7.28
13 13 7.29
14 12 7.30
15 99 7.34
16 63 7.36
17 40 7.40
18 49 7.61
19 14 8.03
20 14 8.07
21 33 8.21
22 23 8.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
BENDROFLUMETHIAZIDE
A 1618
B 1520
C 1336
D 1153
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

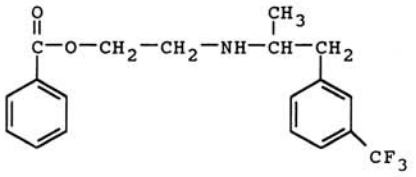
BENFLUOREX

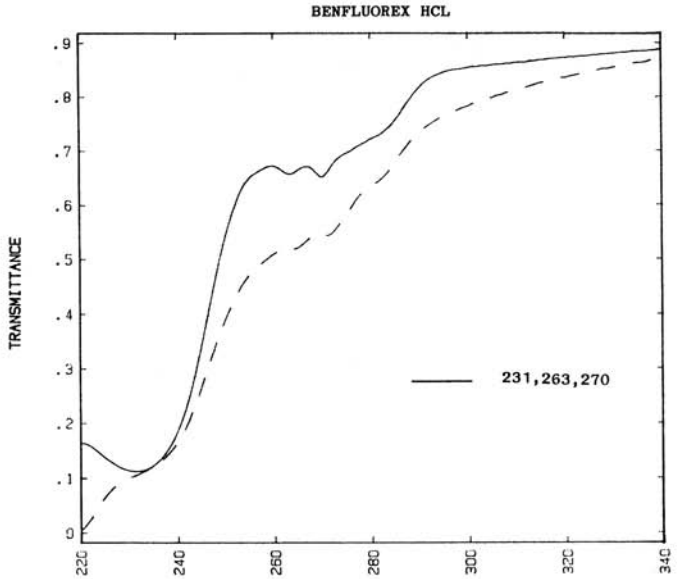
$C_{19}H_{20}F_3NO_2$

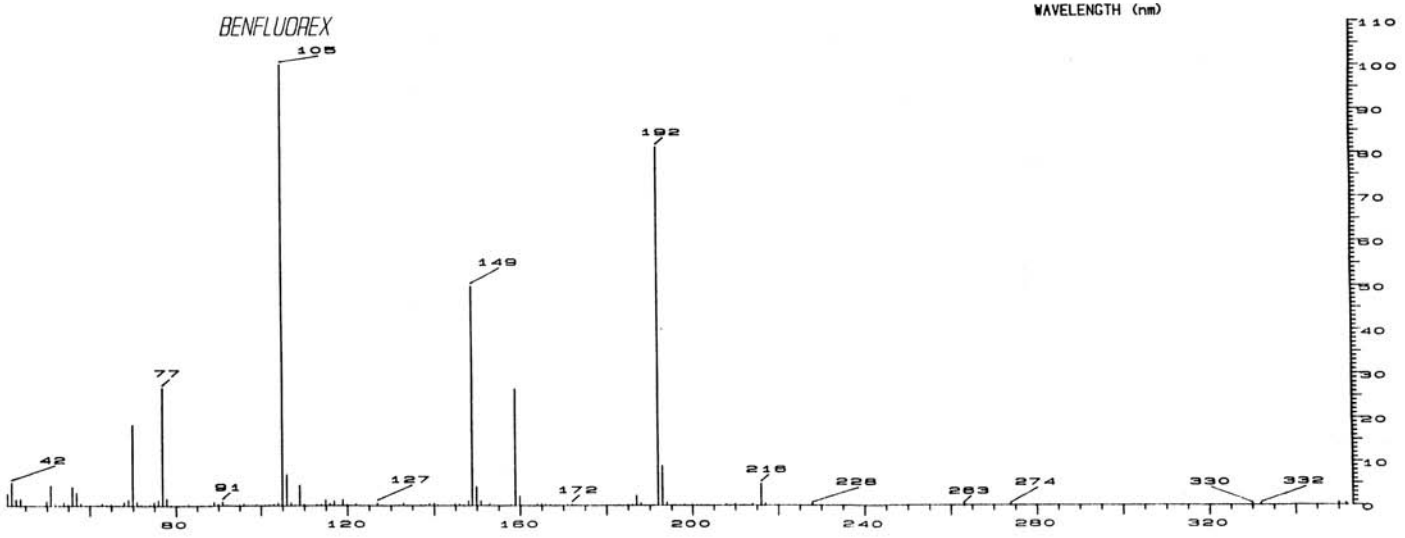
Molecular weight: 351.38 (351.15)

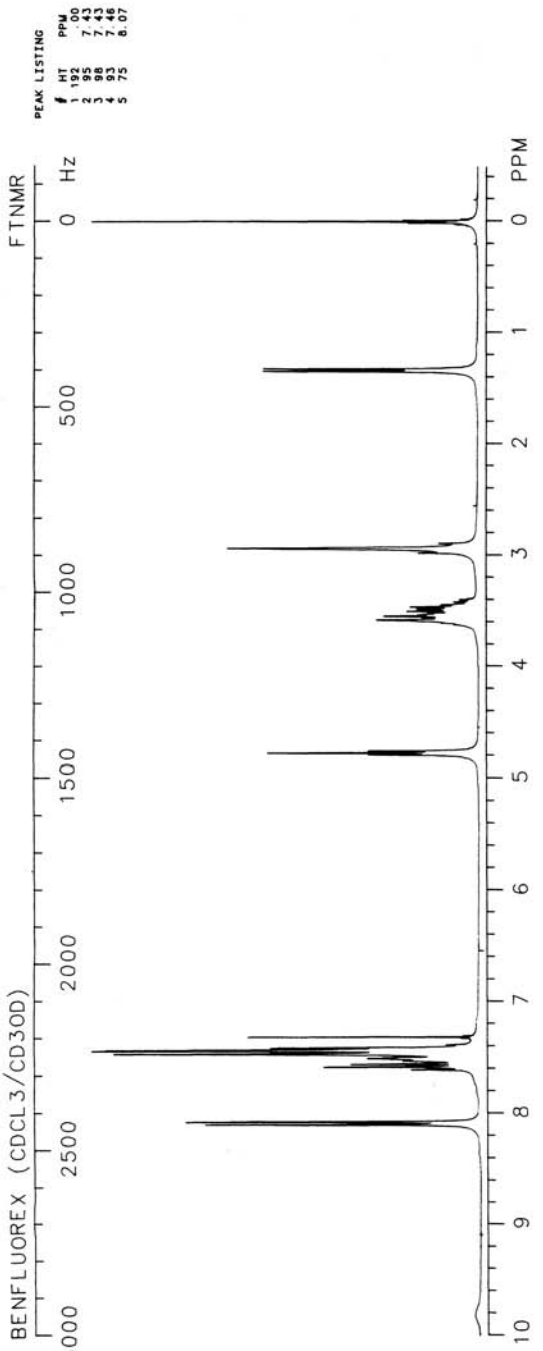
Synonyms: 2-[[1-Methyl-2-[3-(trifluoromethyl)phenyl]ethyl] amino]ethanol benzoate (ester); benfluramate
Trade names: Minolip, Mediator, Mediazal

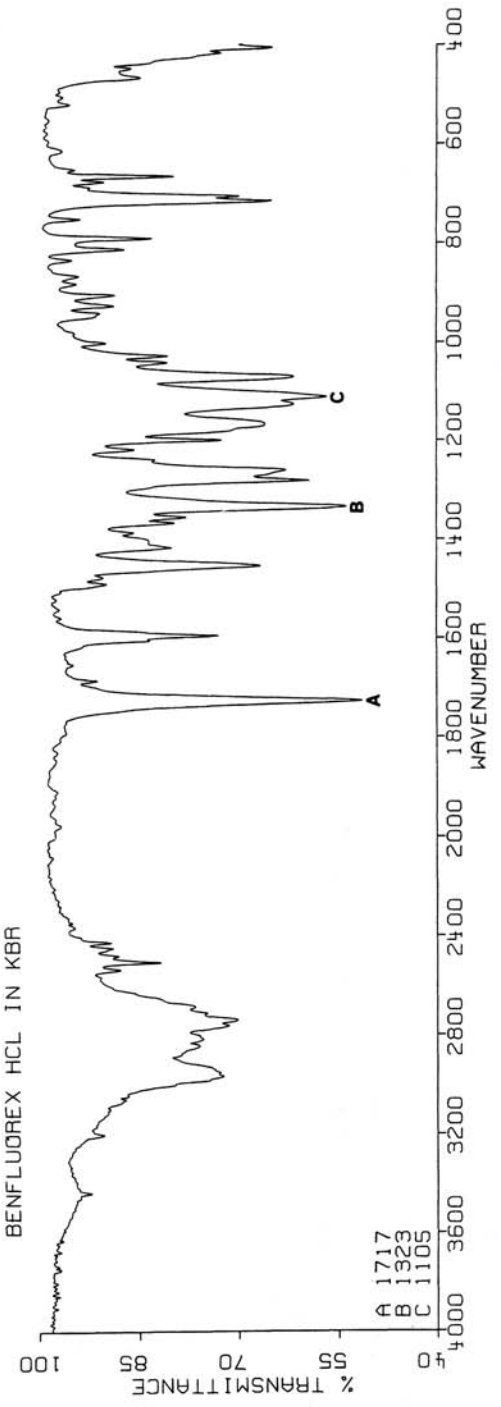
Use: Antihyperlipoproteinemic
HPLC: 70A:30B; 3.5
GC: 2200; 250°








BENFLUOREX (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 192 7.43
2 95 7.43
3 98 7.46
4 93 7.46
5 75 8.07
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

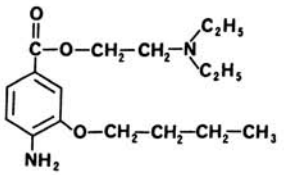

BENFLUOREX HCL IN KBR
A 1717
B 1323
C 1105
A
B
C
100 85 70 55 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

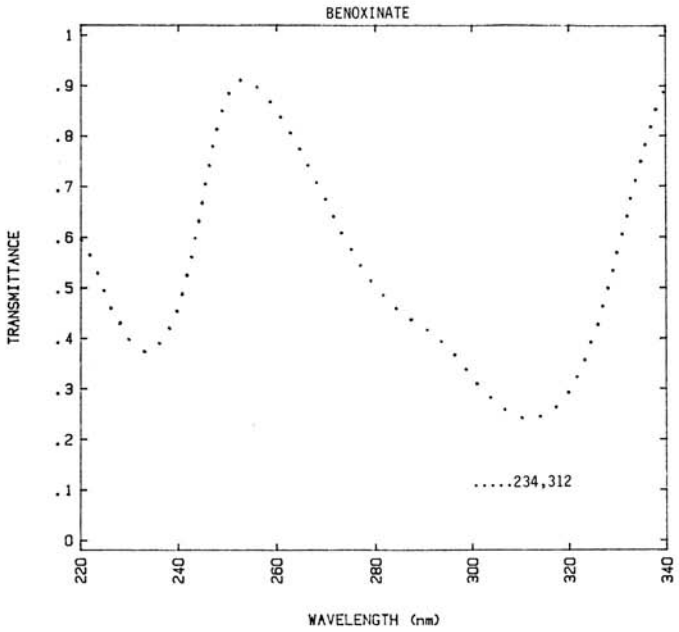
BENOXINATE

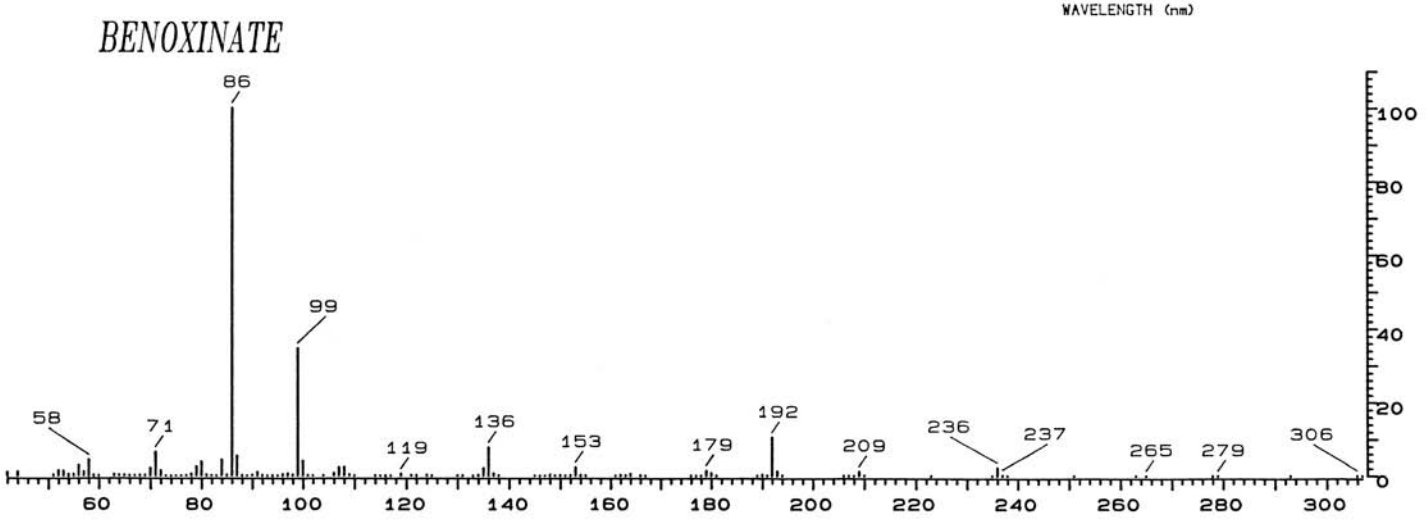
$C_{17}H_{28}N_2O_3$

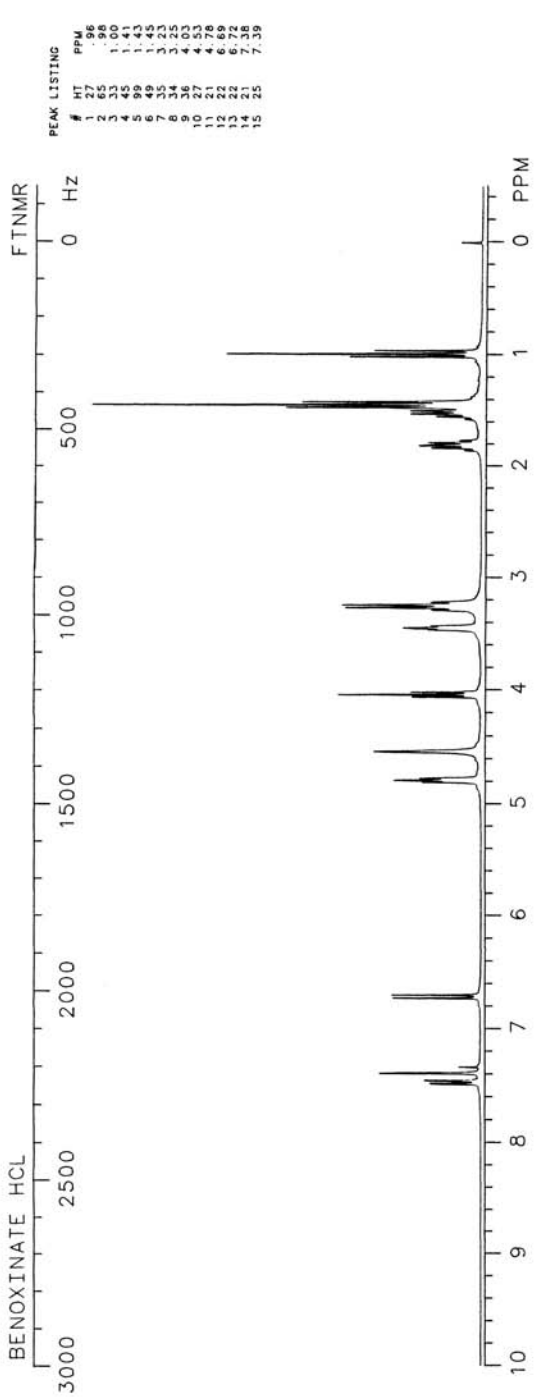
Molecular weight: 308.41 (308.21)
Synonyms: 4-Amino-3-butoxybenzoic acid 2-(diethylamino)ethyl ester; oxibuprokain; oxybuprocaine
Trade names: Benoxil, Dorsacaine, Lacrimin, Novesine

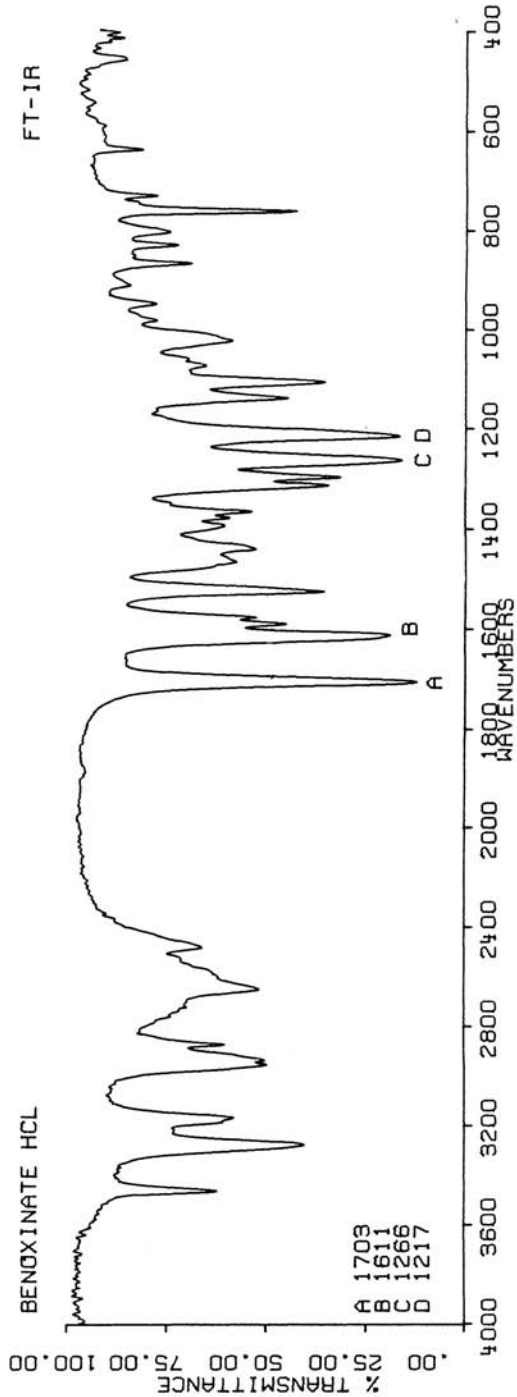
Use: Topical anesthetic
HPLC:
GC: 2427; 250°C








BENOXINATE HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 27 .96
2 65 .98
3 33 1.00
4 45 1.41
5 99 1.43
6 49 1.45
7 35 3.23
8 34 3.25
9 36 4.03
10 27 4.53
11 21 4.78
12 21 6.69
13 22 6.72
14 21 7.38
15 25 7.39


BENOXINATE HCL
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1703
B 1611
C 1266
D 1217

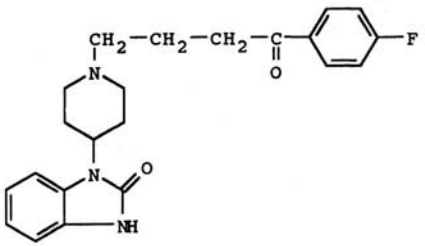
BENPERIDOL

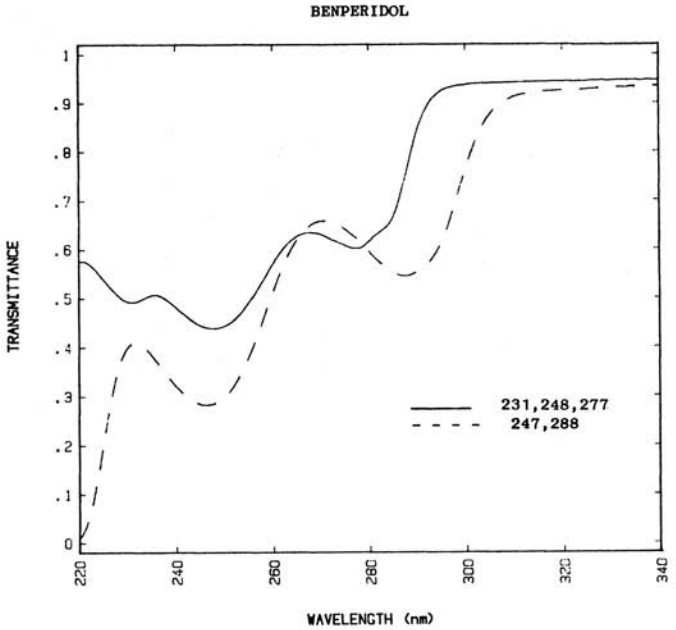
$C_{22}H_{24}FN_3O_2$

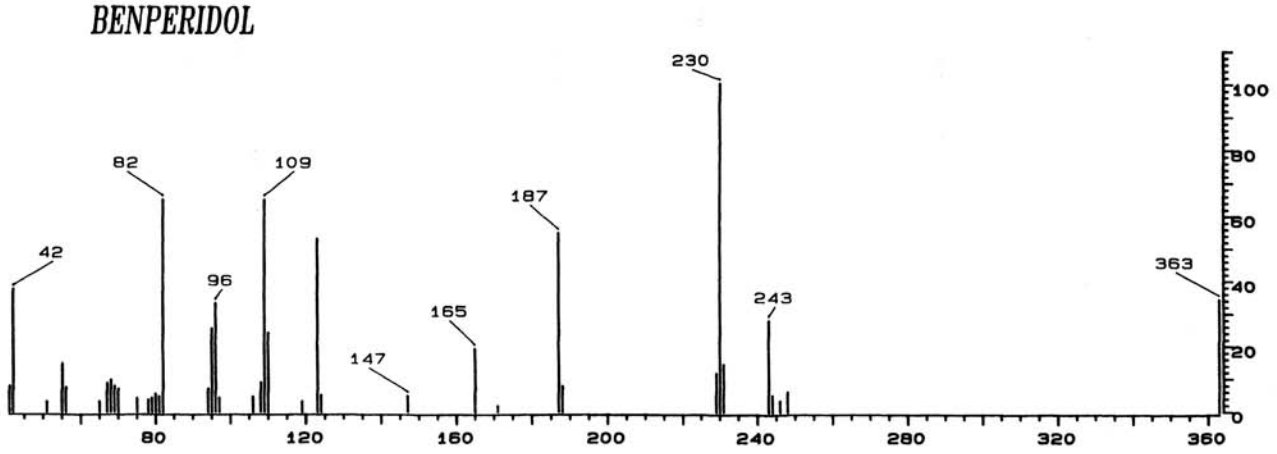
Molecular weight: 381.45 (381.19)

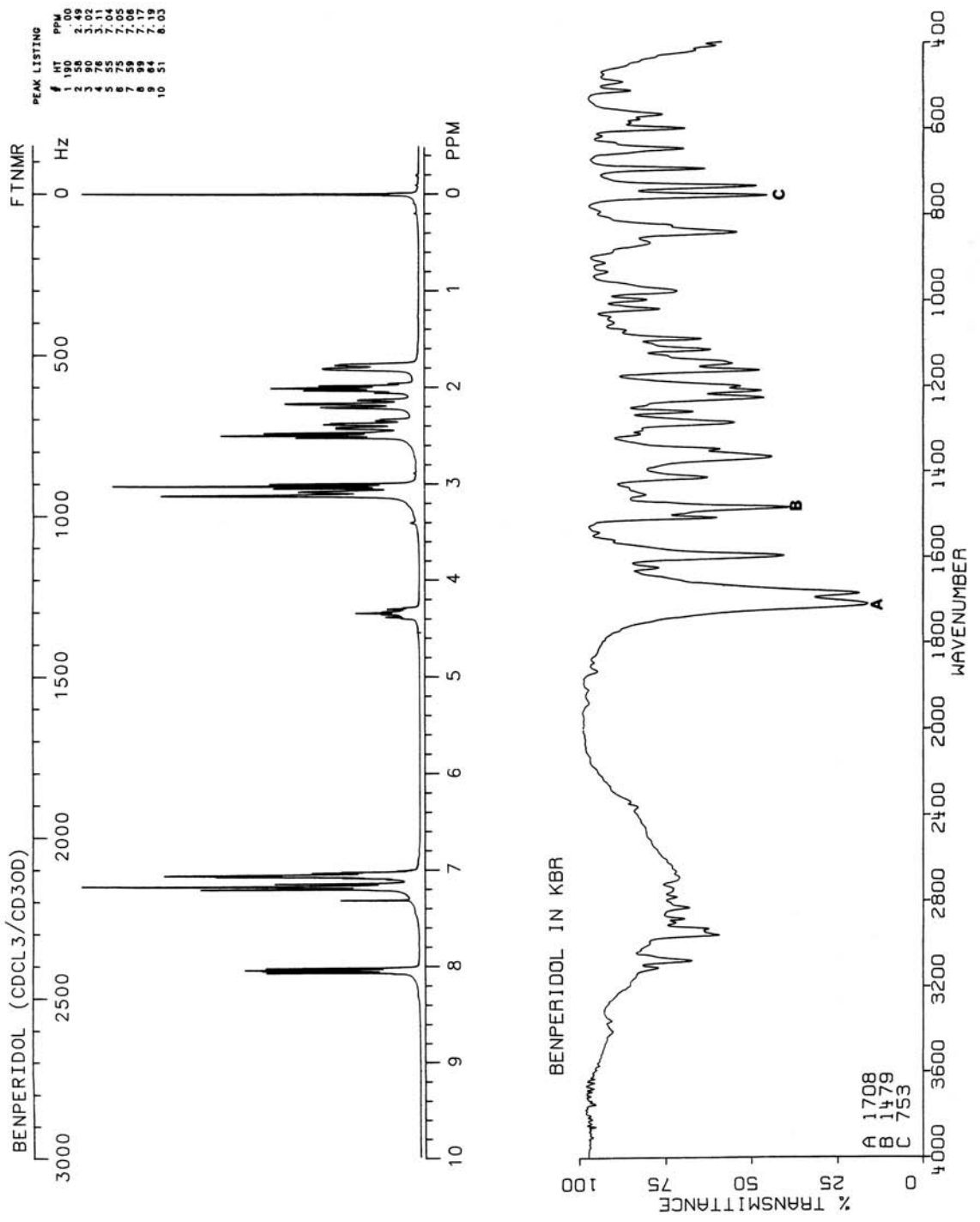
Synonyms: 1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-piperidinyl]-1, 3-dihydro-2H-benzimidazol-2-one; benzperidol
Trade names: Anquil, Frenactil, Frenactyl, Glianimon

Use: Antipsychotic
HPLC: 70A:30B; 2.3
GC:







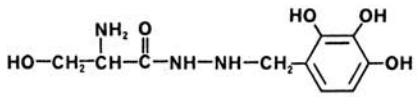

BENPERIDOL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 190 .00
2 156 3.49
3 96 3.02
4 76 3.11
5 55 7.04
6 75 7.05
7 59 7.08
8 99 7.17
9 64 7.19
10 51 8.03
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BENPERIDOL IN KBR
A 1708
B 1479
C 753
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

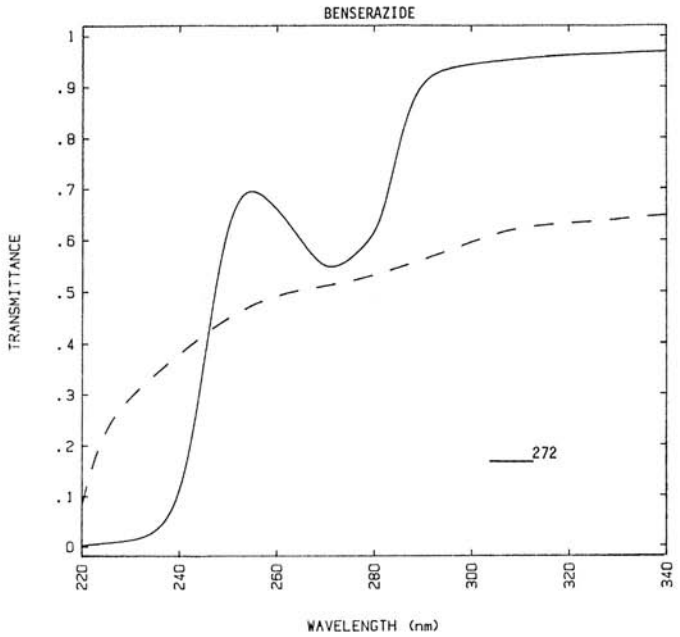
BENSERAZIDE

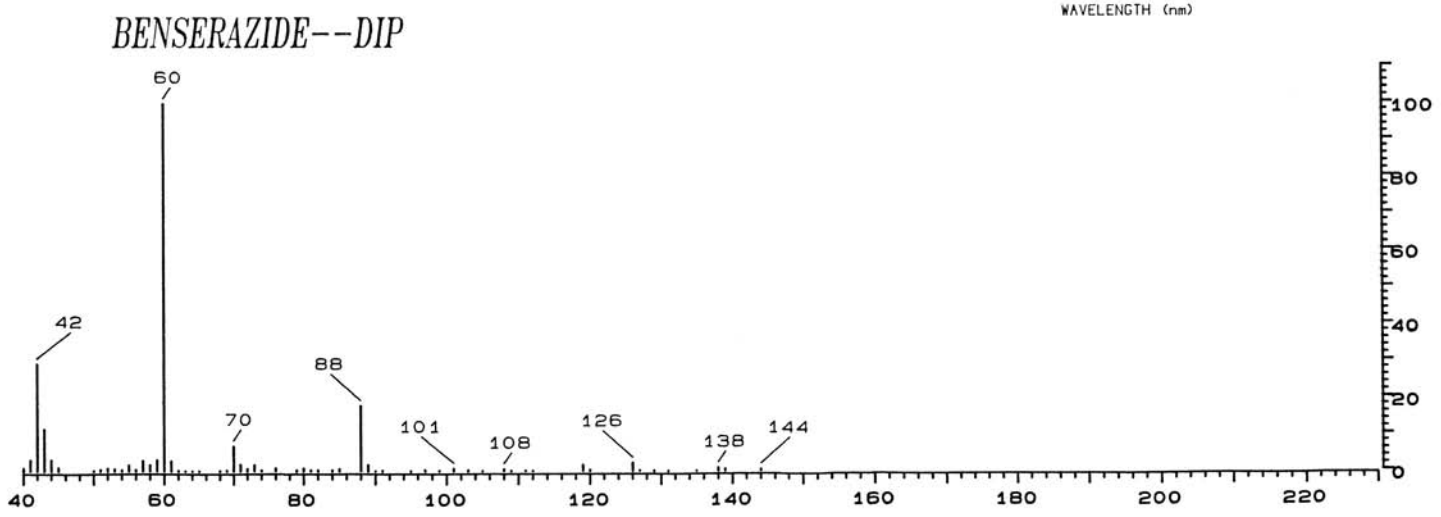
$C_{10}H_{15}N_3O_5$

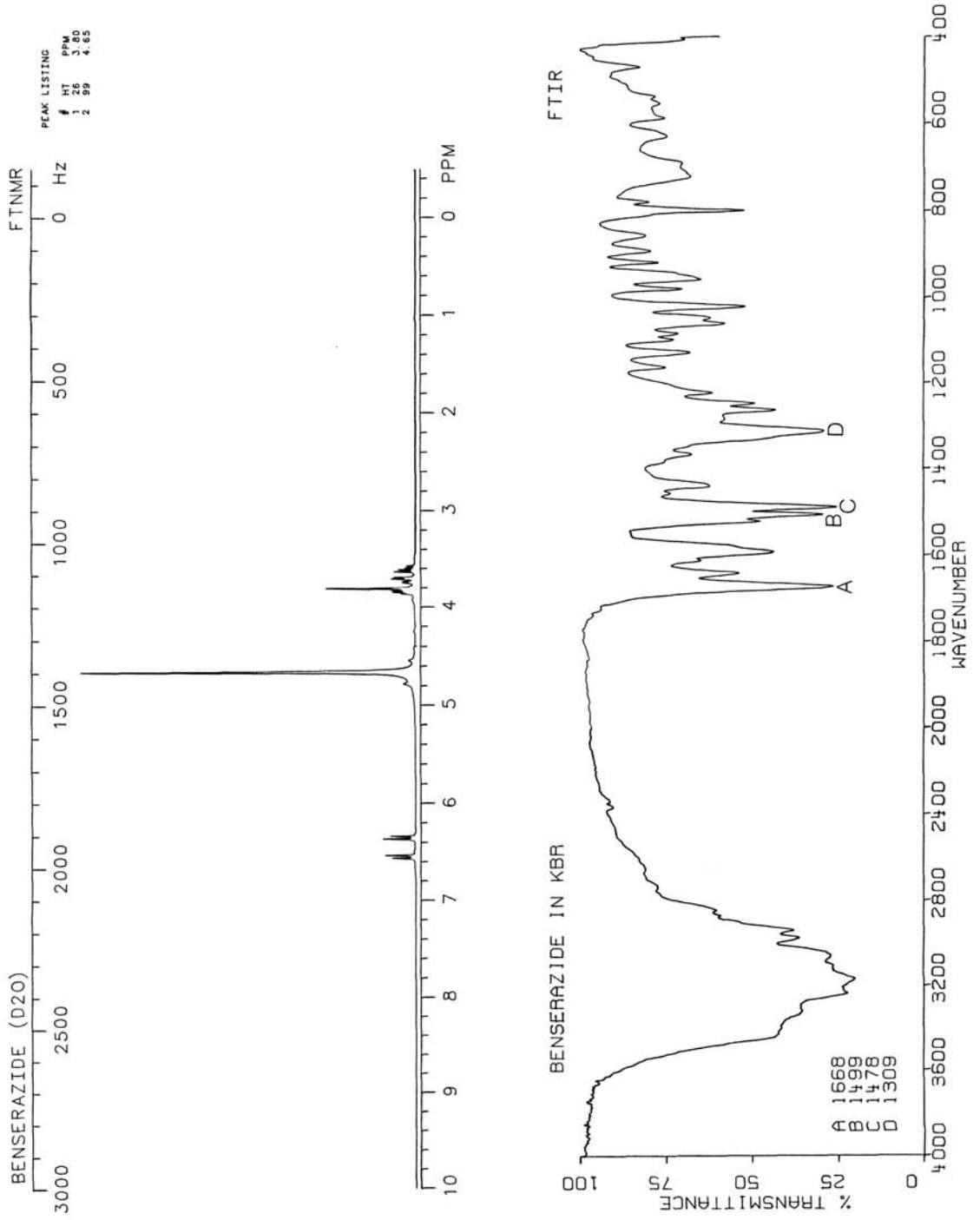
Molecular weight: 257.25 (257.10)
Synonyms: DL-Serine 2-[(2,3,4-trihydroxyphenyl)methyl]hydrazide;
serazide
Trade names: Madopar, Prolopa

Use: Decarboxylase inhibitor
HPLC:
GC:







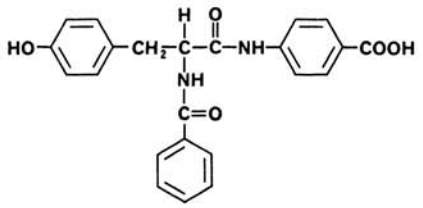

BENSERAZIDE (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 26 3.80
2 99 4.65
10
9
8
7
6
5
4
3
2
1
0 PPM
BENSERAZIDE IN KBR
FTIR
A 1668
B 1499
C 1478
D 1309
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D

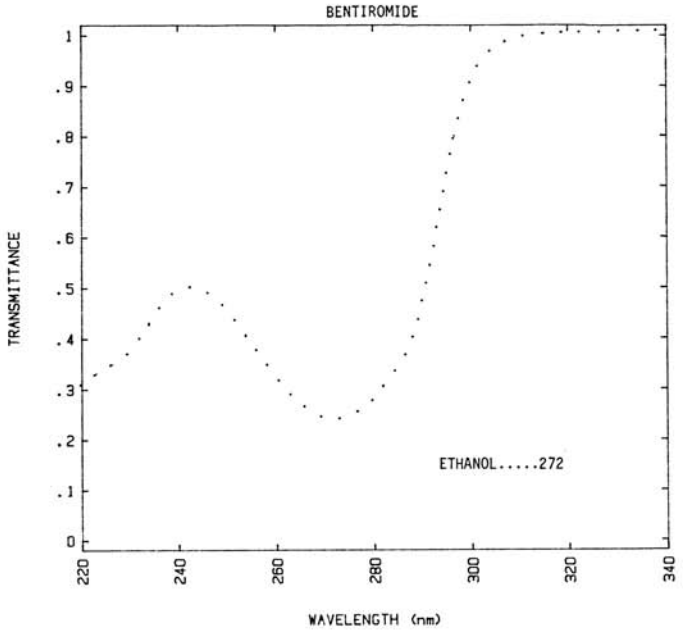
BENTIROMIDE

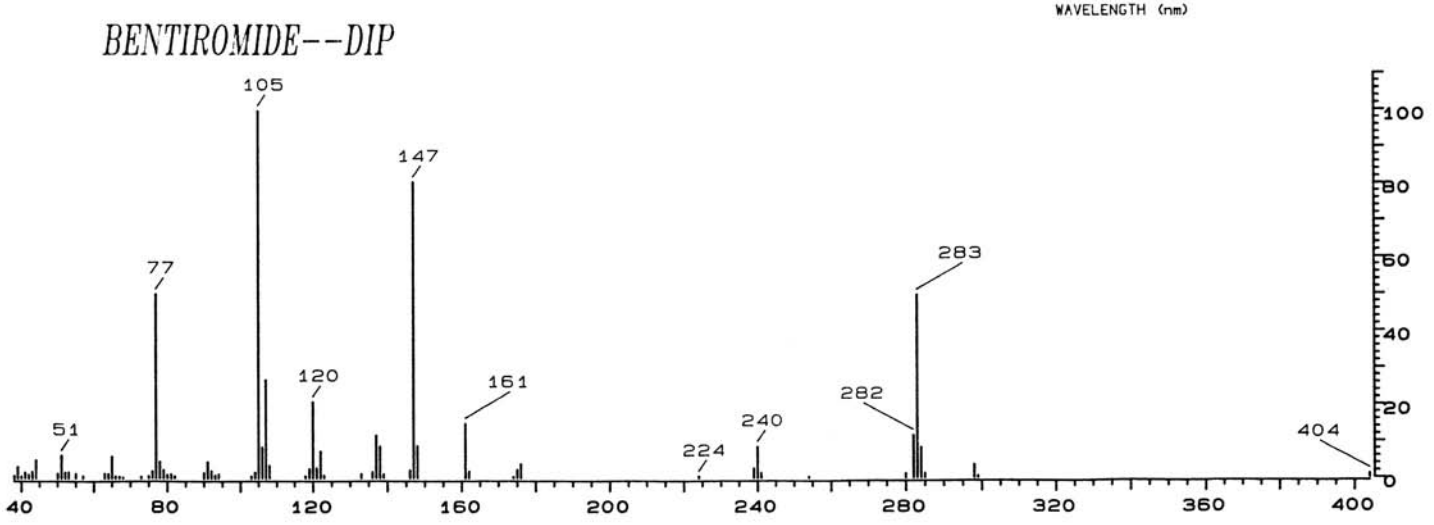
$C_{23}H_{20}N_2O_5$

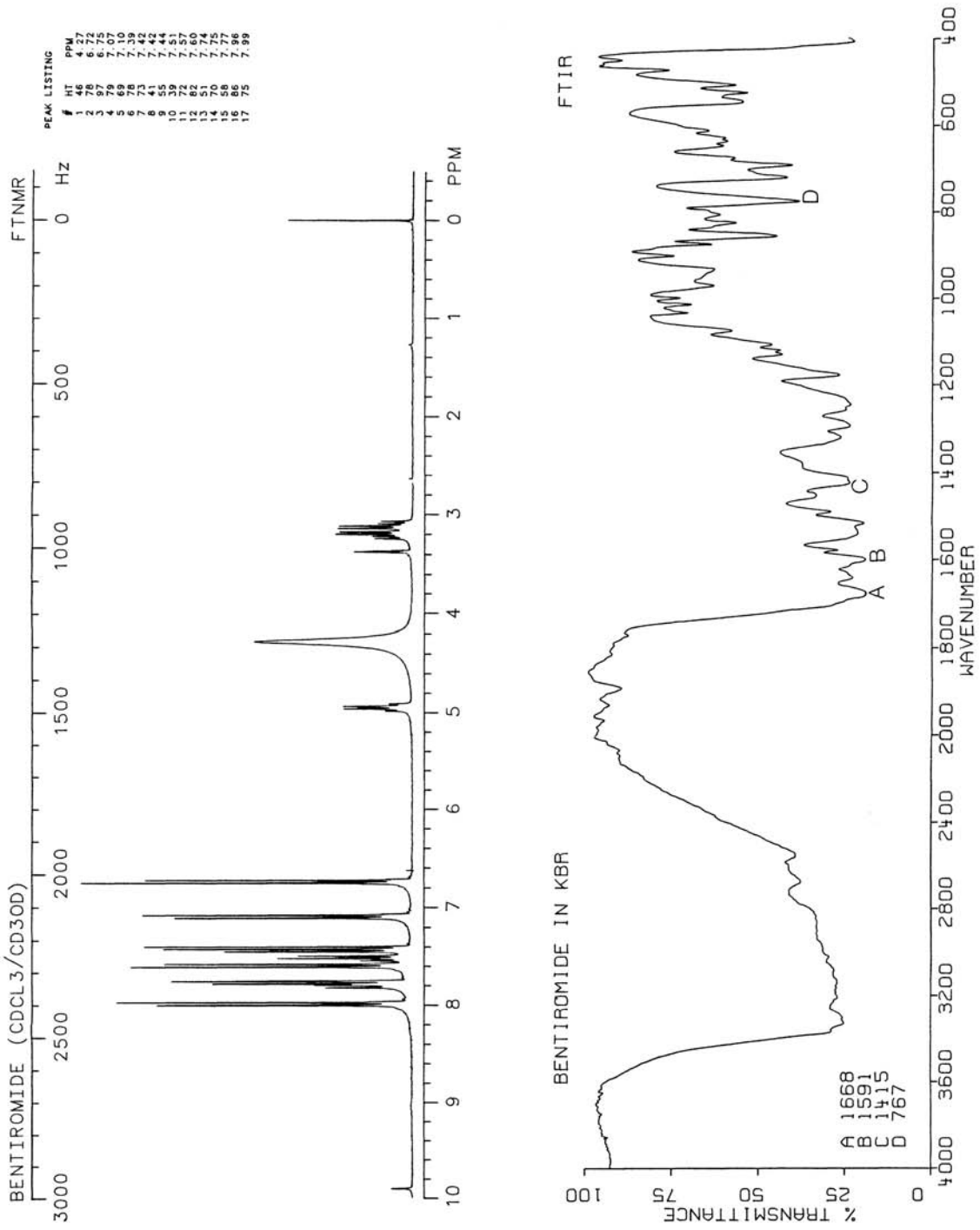
Molecular weight: 404.42 (404.14)
Synonyms: 4-[[2-Benzoylamino)-3-(4-hydroxypheny1)-1-oxopropyl]amino]benzoic acid
Trade names: Chymex

Use: Diagnostic aid
HPLC: Si-10; 20A:80B; 4.9
GC:







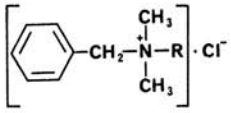

FTNMR
BENTIROMIDE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 46 4.27
2 78 6.72
3 97 6.75
4 79 7.07
5 69 7.10
6 78 7.39
7 73 7.42
8 41 7.42
9 55 7.44
10 39 7.51
11 72 7.57
12 82 7.60
13 51 7.64
14 70 7.75
15 58 7.77
16 86 7.96
17 75 7.99
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
BENTIROMIDE IN KBR
A 1668
B 1591
C 1415
D 767
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

BENZALKONIUM CHLORIDE

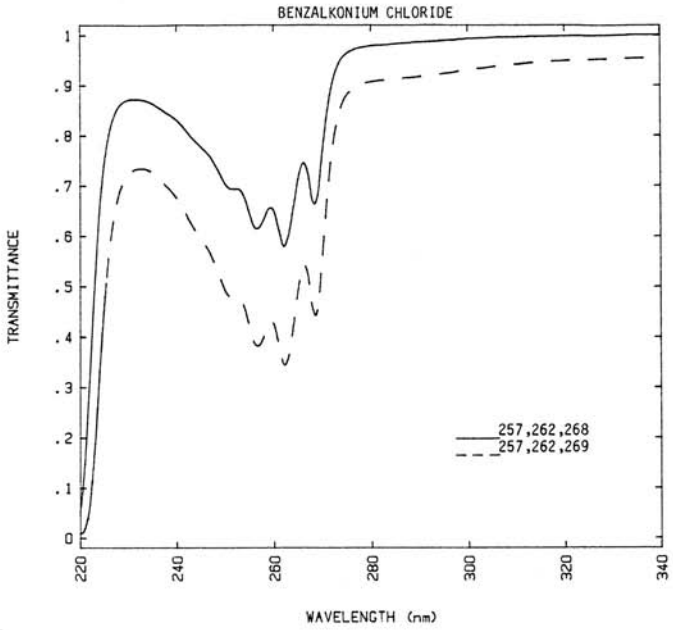
Mixture

Molecular weight:
Synonyms: Zephiran Chloride

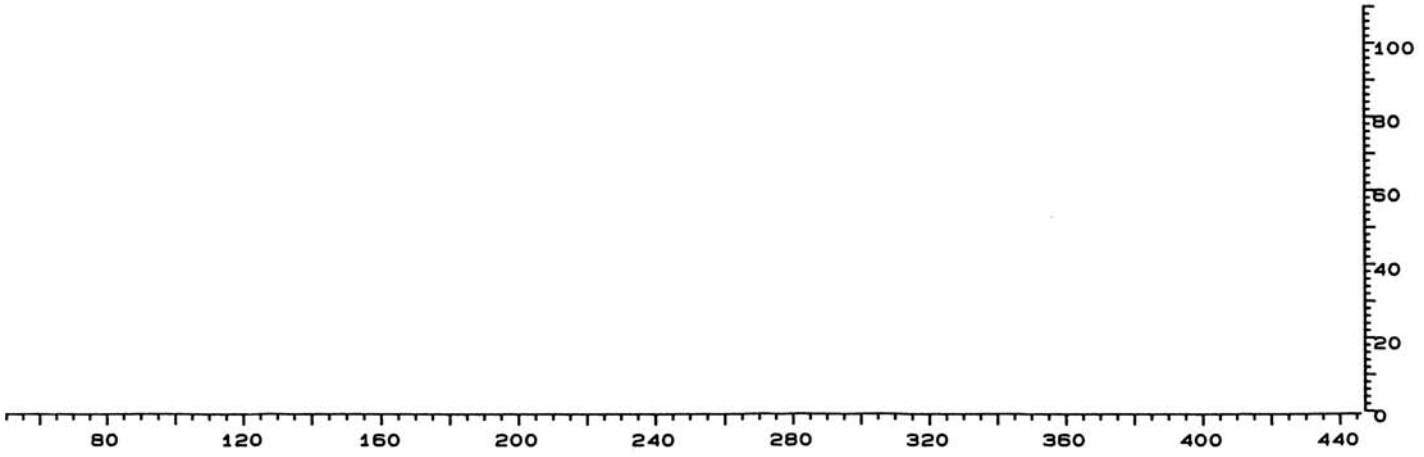
Trade names: Amino-Cerv, Benirol, Callusulve, Cetylcide, Drapolex, Osvan, Paralkan, Zephiran, Zephirol
Use: Topical anti-infective
HPLC: Si-10; 10A:90B; 4.1
GC:

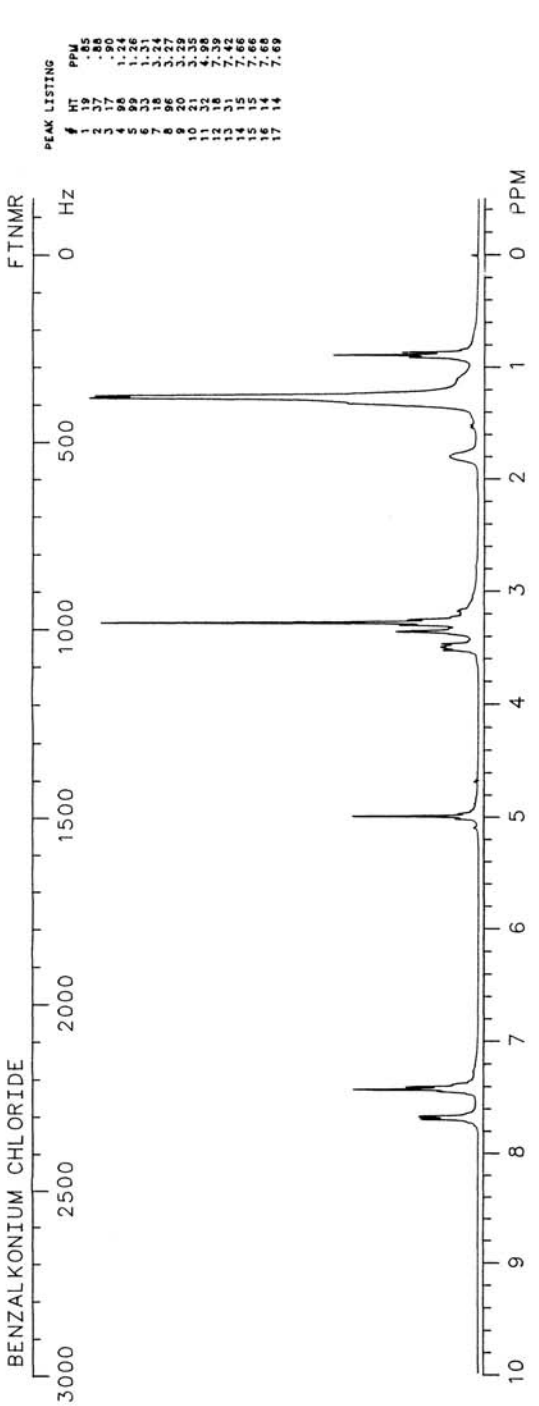


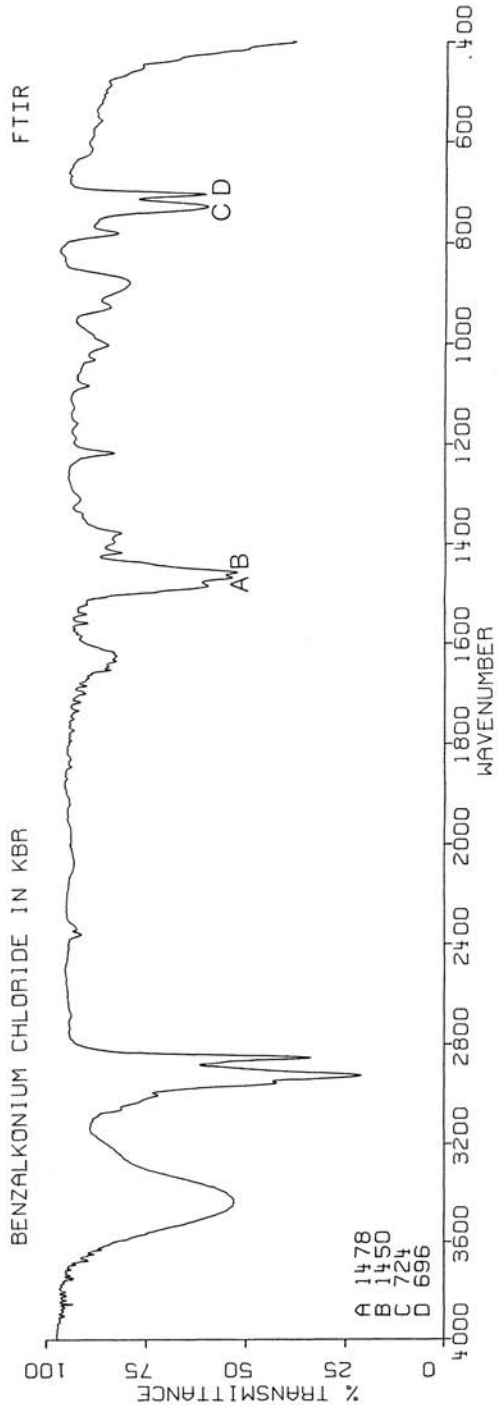
$R = C_8H_{17}$ to $C_{18}H_{37}$



NO USEFUL MASS SPECTRUM WAS OBTAINED




BENZALKONIUM CHLORIDE
FTNMR
PEAK LISTING
HT PPM
1 19 .85
2 37 .88
3 17 1.20
4 96 1.24
5 99 1.26
6 33 1.31
7 18 3.24
8 96 3.27
9 20 3.29
10 32 3.35
11 21 4.98
12 18 7.39
13 31 7.42
14 15 7.66
15 15 7.66
16 14 7.68
17 14 7.69
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


BENZALKONIUM CHLORIDE IN KBR
FTIR
A 1478
B 1450
C 724
D 696
A B
C D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

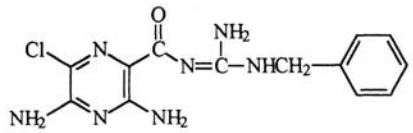
BENZAMIL

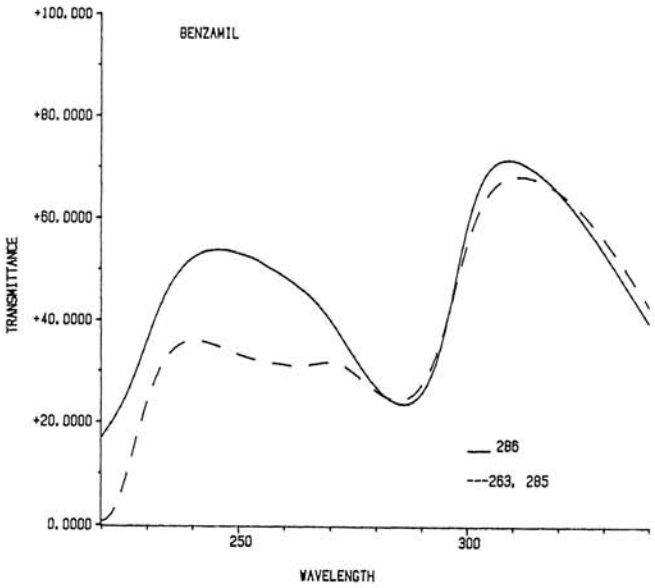
$C_{13}H_{14}ClN_7O$

Molecular Weight: 319.75 (319.09)

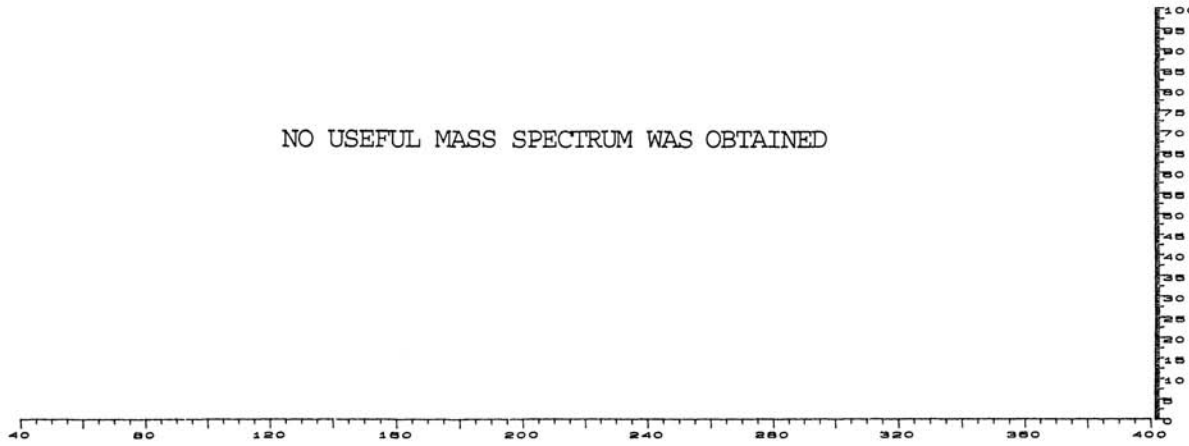
Synonyms: 3,5-Diamino-N-[amino(benzylamino)methylene]-6-chloro-pyrazinecarboxamide; benzylamiloride
Trade Names:
Use: Sodium inhibitor

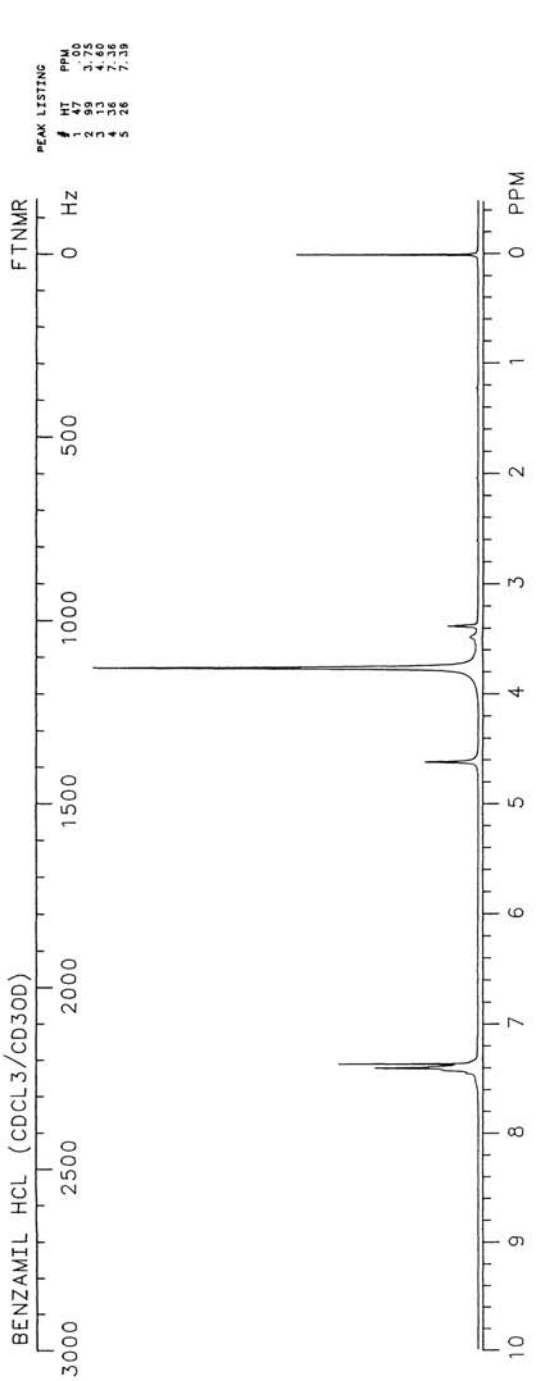
HPLC: Methanol: 2.4
GC:

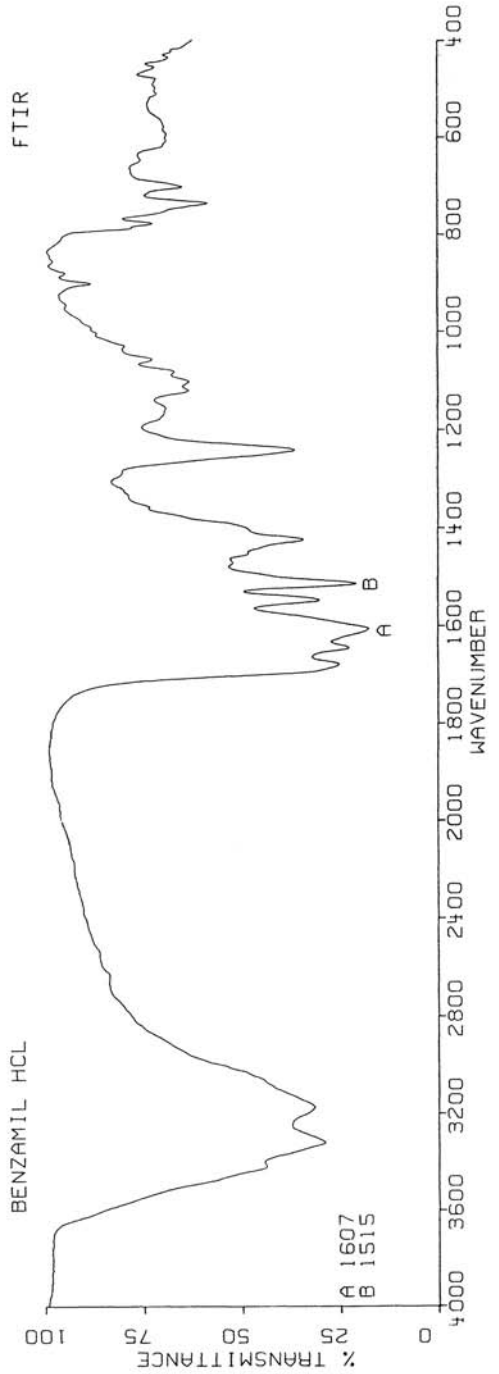




NO USEFUL MASS SPECTRUM WAS OBTAINED




BENZAMIL HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 47 .00
2 99 3.75
3 13 4.60
4 36 7.26
5 26 7.38

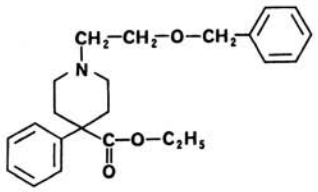

BENZAMIL HCL
FTIR
A 1607
B 1515
A
B
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

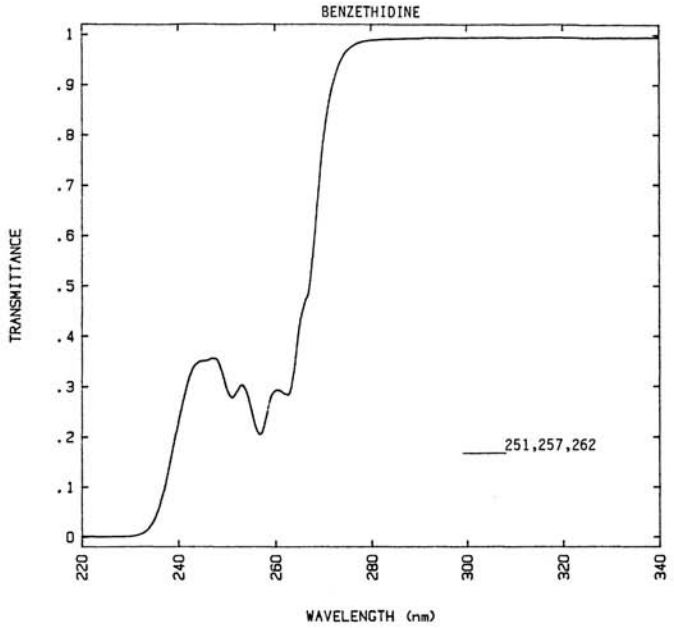
BENZETHIDINE

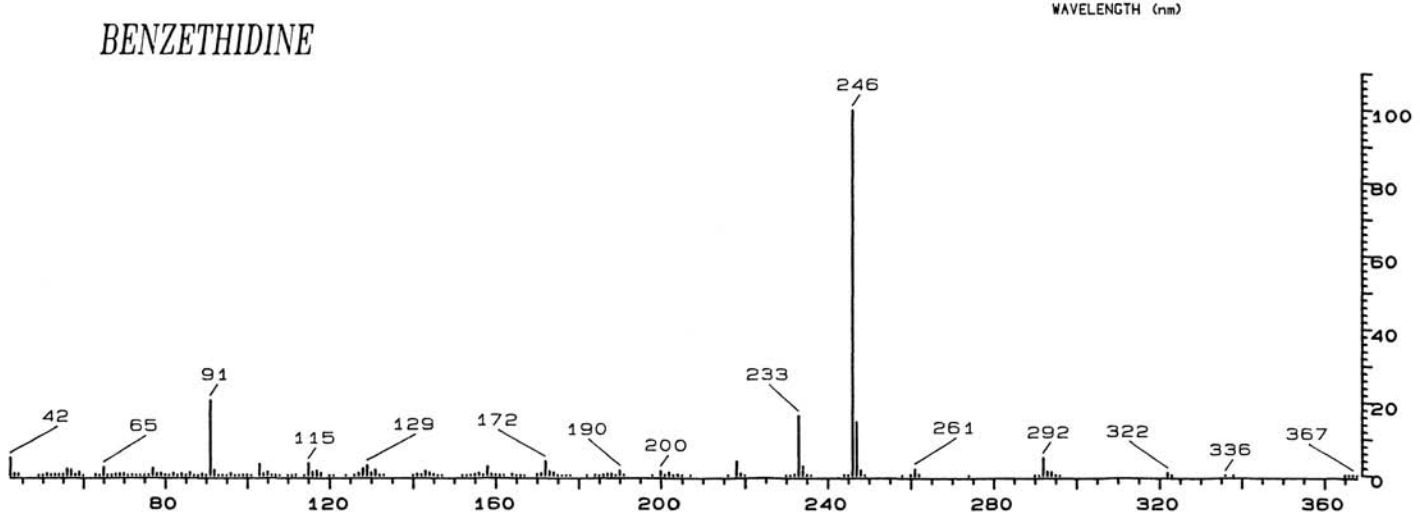
$C_{23}H_{29}NO_3$

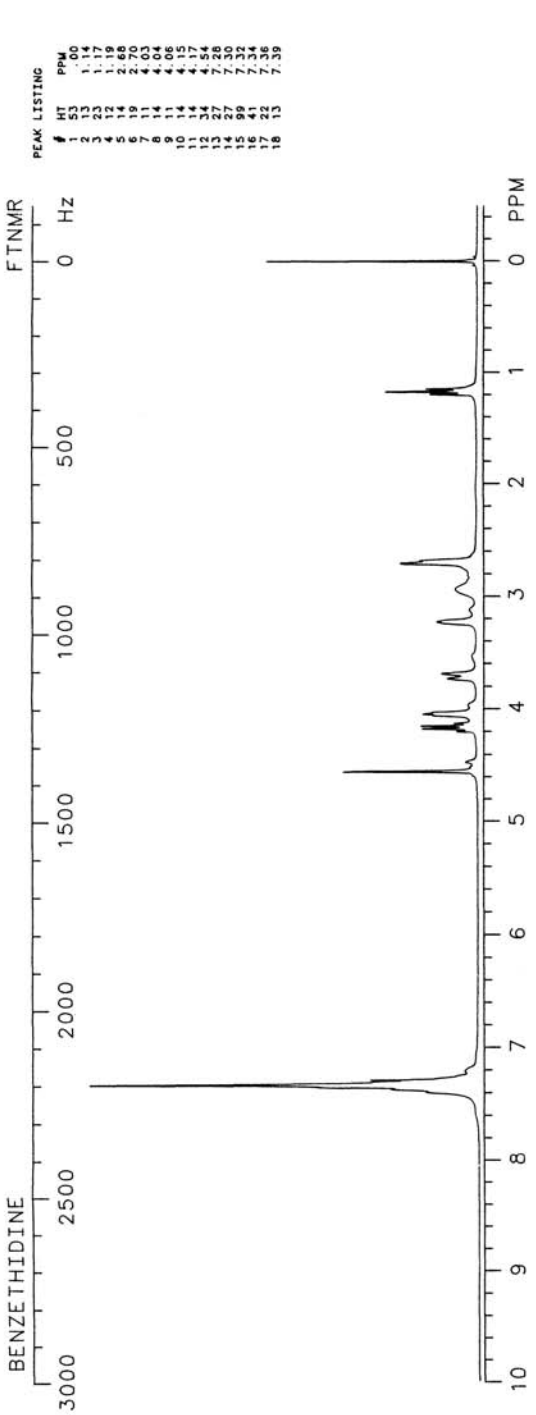
Molecular weight: 367.50 (367.22)
Synonyms: Ethyl-1-(2-benzyloxyethyl)-4-phenylpiperidine-4-carboxylate
Trade names:

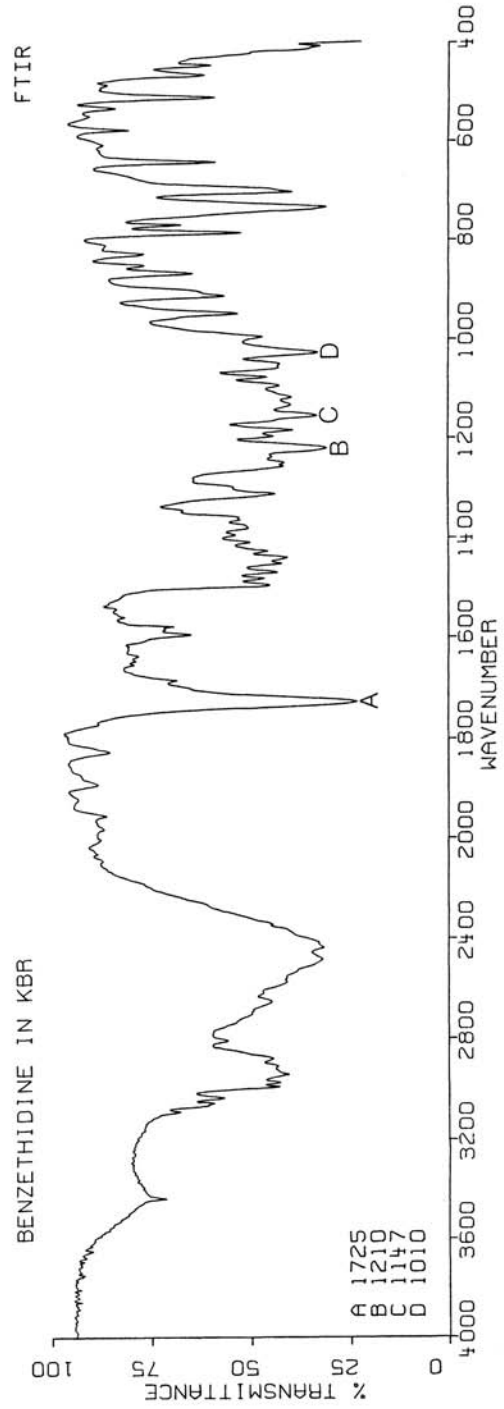
Use: Narcotic analgesic
HPLC: Si-10; 1A:99B; 6.1
GC: 2794; 280°C








BENZETHIDINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 53 1.00
2 13 1.14
3 23 1.17
4 12 1.19
5 19 2.68
6 11 2.70
7 11 4.03
8 14 4.04
9 11 4.06
10 14 4.15
11 14 4.17
12 34 4.54
13 27 7.26
14 27 7.28
15 99 7.32
16 41 7.34
17 22 7.36
18 13 7.39

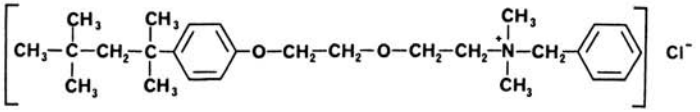

BENZETHIDINE IN KBR
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D
A 1725
B 1210
C 1147
D 1010

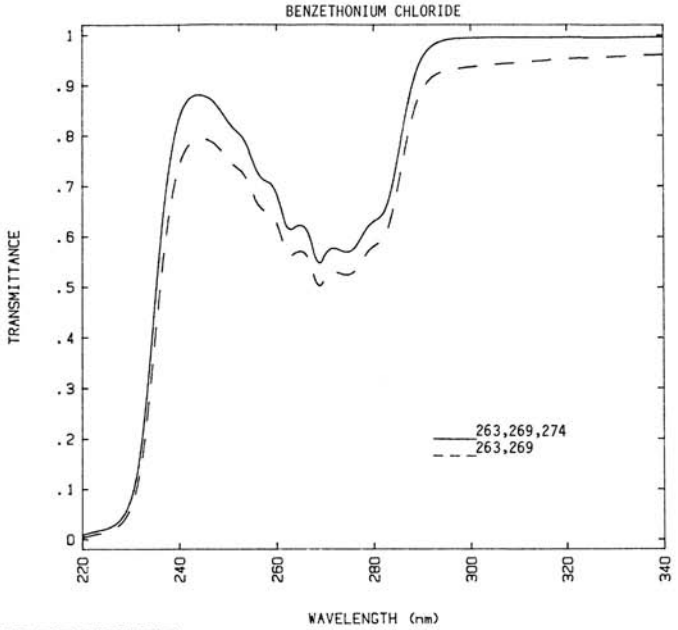
BENZETHONIUM CHLORIDE

$C_{27}H_{42}ClNO_2$

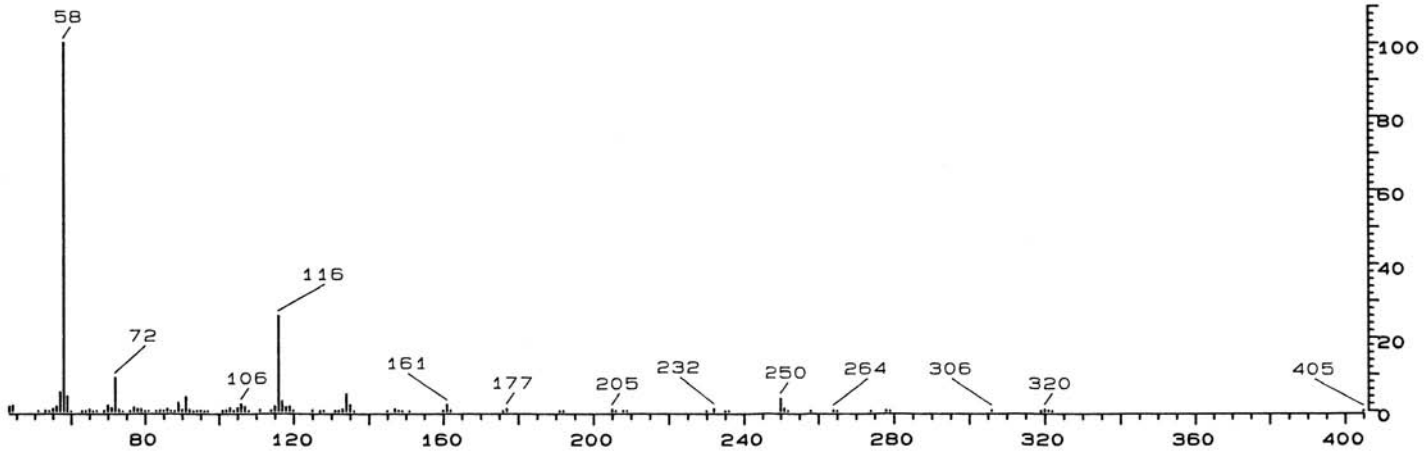
Molecular weight: 448.10 (447.29)
Synonyms: N,N-Dimethyl-N-[2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-ethoxy]ethyl]benzenemethanaminium chloride; hyamine; phemerol chloride
Trade names: Dalidyne, Uniwash

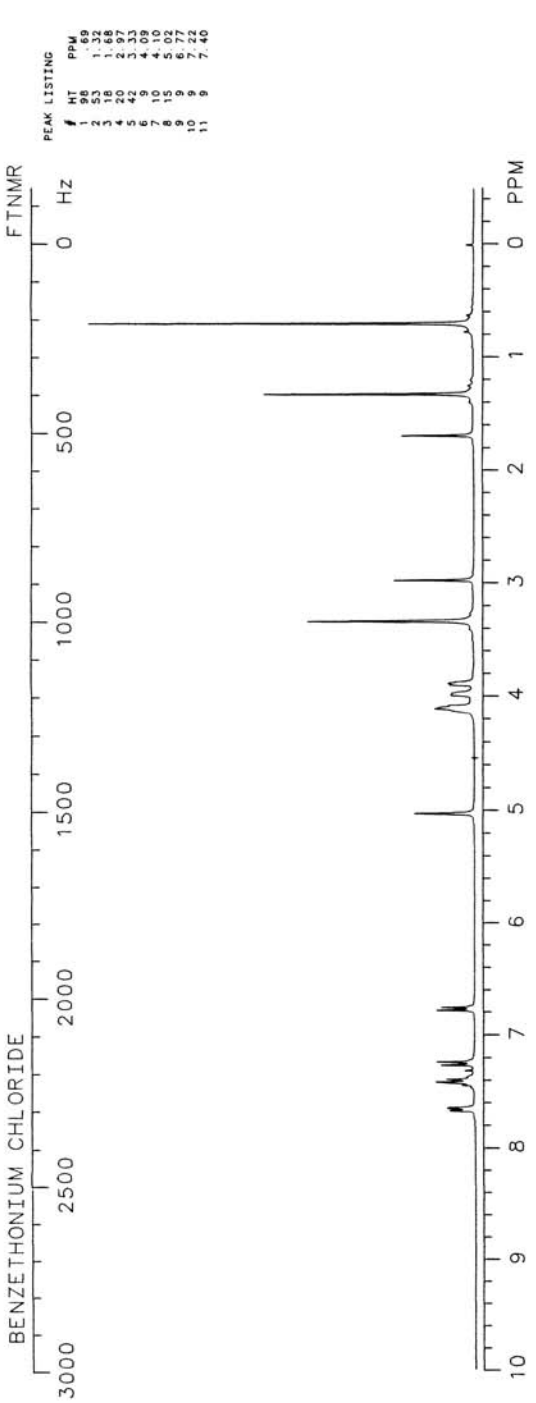
Use: Topical anti-infective
HPLC: Si-10; 10A:90B; 4.2
GC:

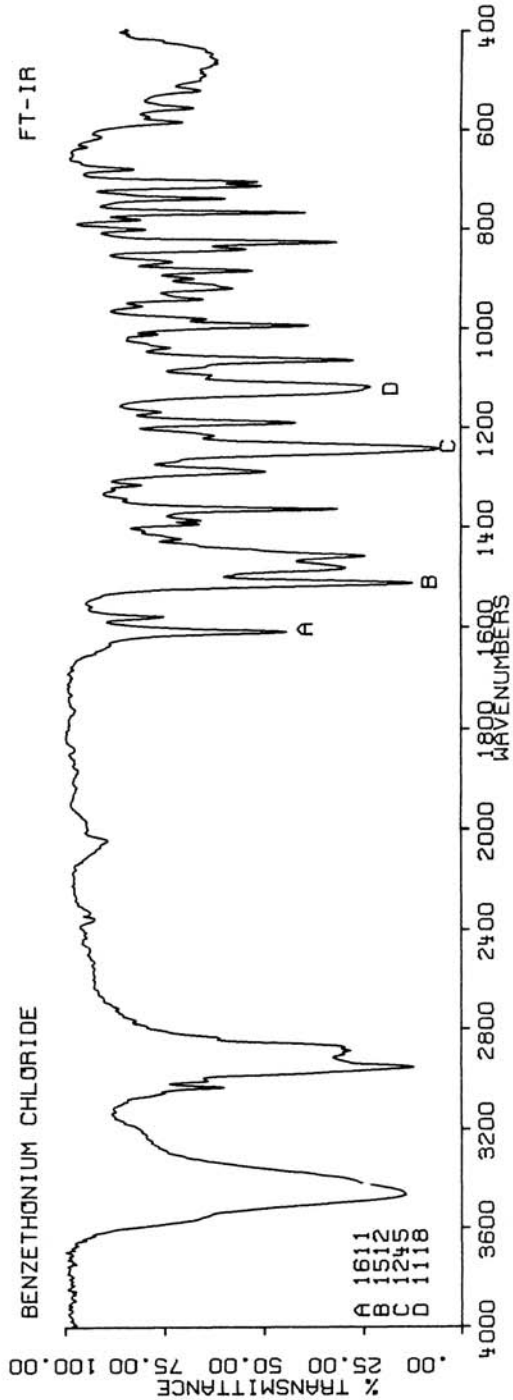




BENZETHONIUM CHLORIDE--DECOMPOSITION PRODUCT




BENZETHONIUM CHLORIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 98 .69
2 53 1.32
3 18 1.68
4 20 2.67
5 42 3.33
6 9 4.09
7 10 4.10
8 15 5.02
9 9 6.77
10 9 7.22
11 9 7.40


BENZETHONIUM CHLORIDE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1611
B 1512
C 1245
D 1118
A
B
C
D

BENZETIMIDE

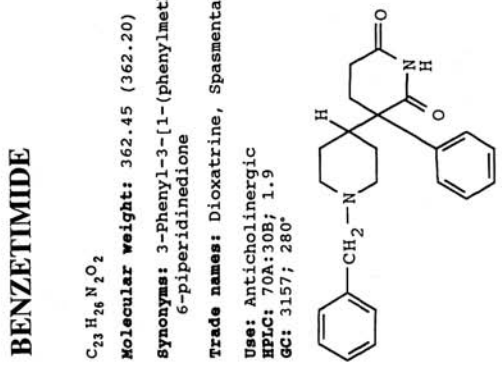
$C_{23}H_{26}N_2O_2$

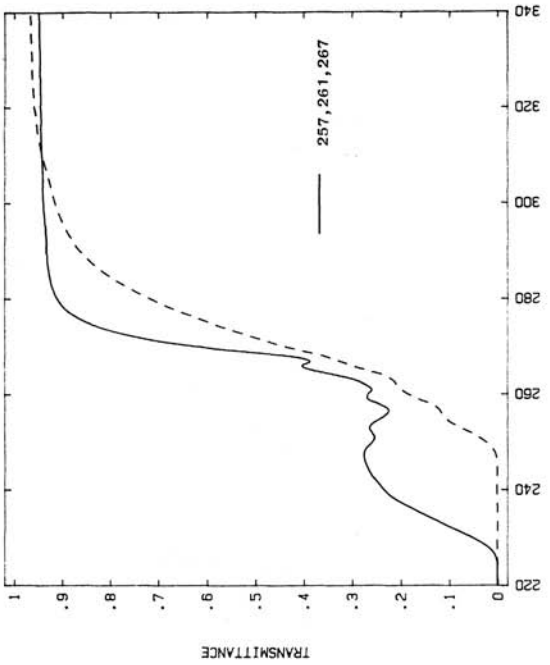
Molecular weight: 362.45 (362.20)

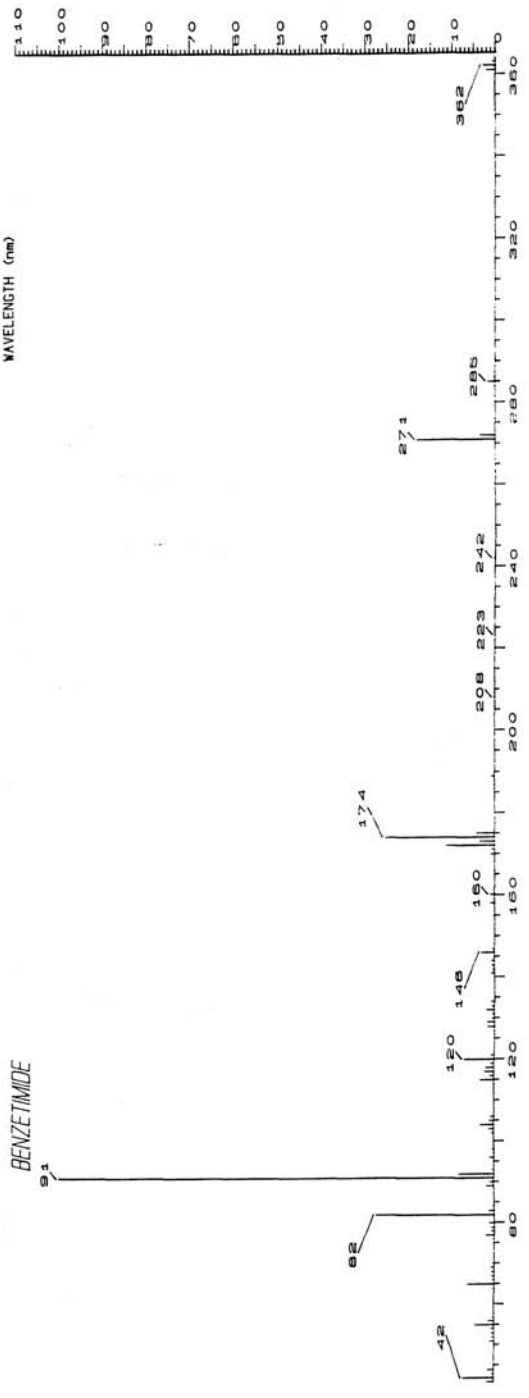
Synonyms: 3-Phenyl-3-[1-(phenylmethyl)-4-piperidinyl]-2, 6-piperidinedione

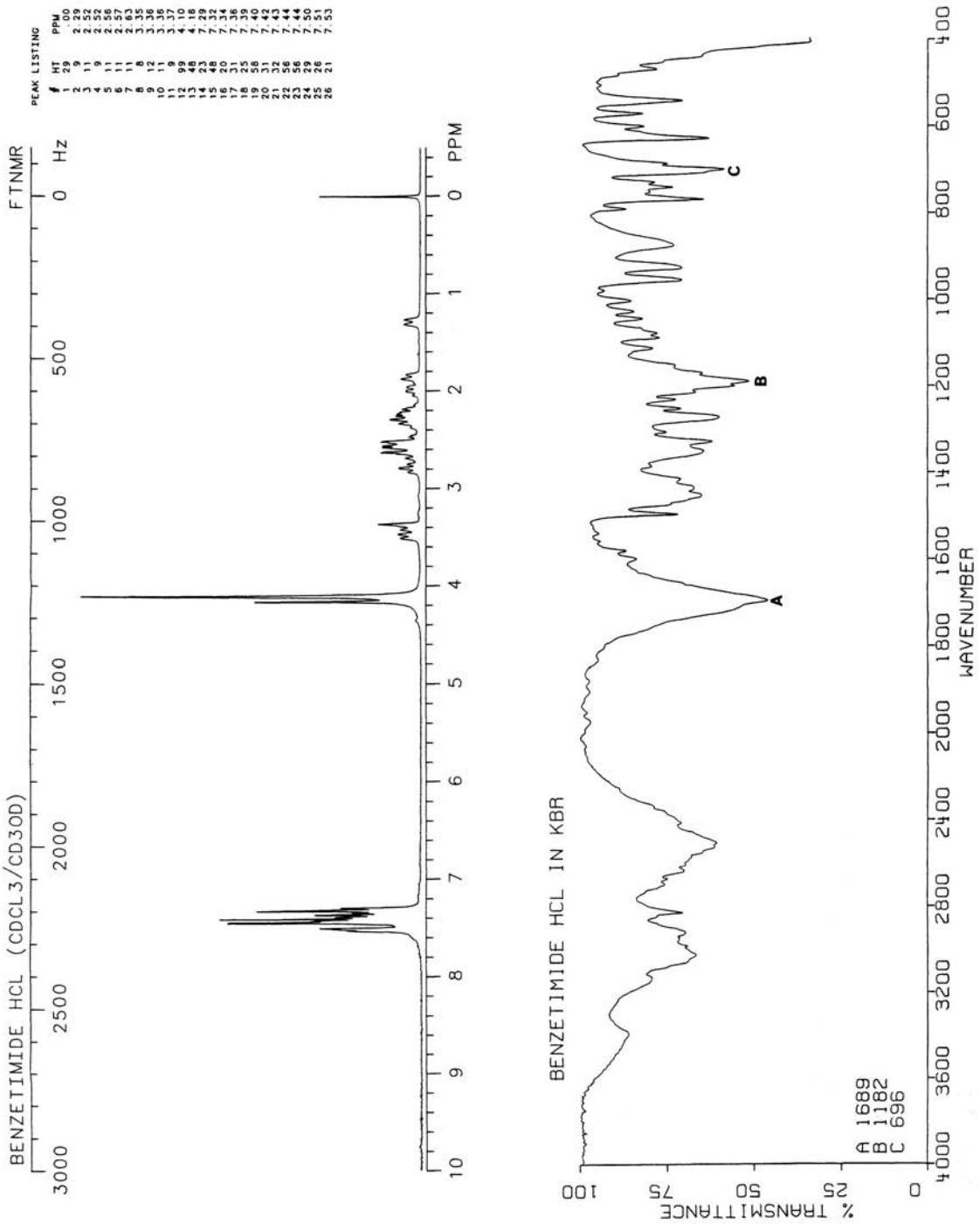
Trade names: Dioxatrine, Spasmental

Use: Anticholinergic
HPLC: 70A:30B; 1.9
GC: 3157; 280°








BENZETIMIDE HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 29 .00
2 9 2.29
3 11 2.52
4 9 2.52
5 11 2.56
6 11 2.57
7 8 2.63
8 8 3.35
9 12 3.36
10 11 3.36
11 9 3.37
12 99 4.10
13 45 4.16
14 23 7.29
15 48 7.32
16 20 7.34
17 31 7.36
18 25 7.39
19 56 7.40
20 31 7.42
21 32 7.43
22 56 7.44
23 56 7.44
24 29 7.50
25 26 7.51
26 21 7.53
BENZETIMIDE HCL IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
A 1689
B 1182
C 696

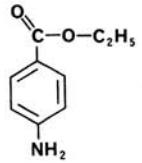
BENZOCAINE

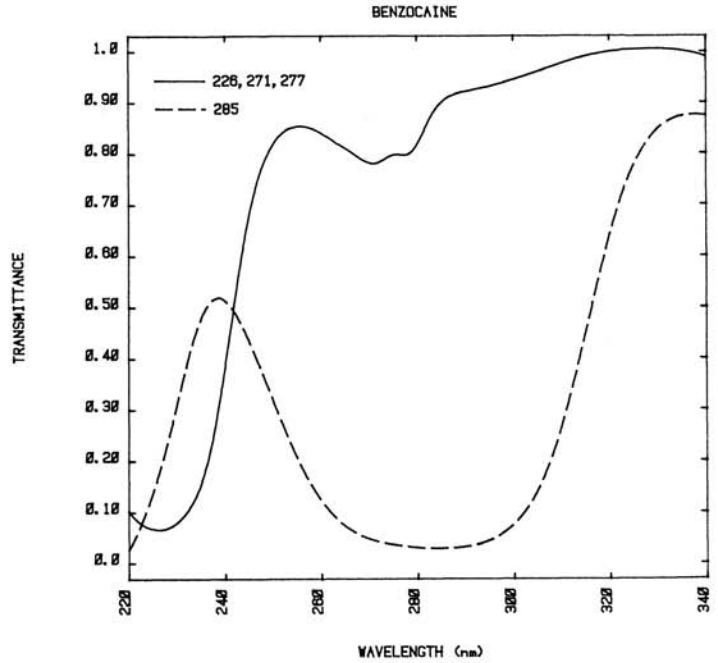
$C_9H_{11}NO_2$

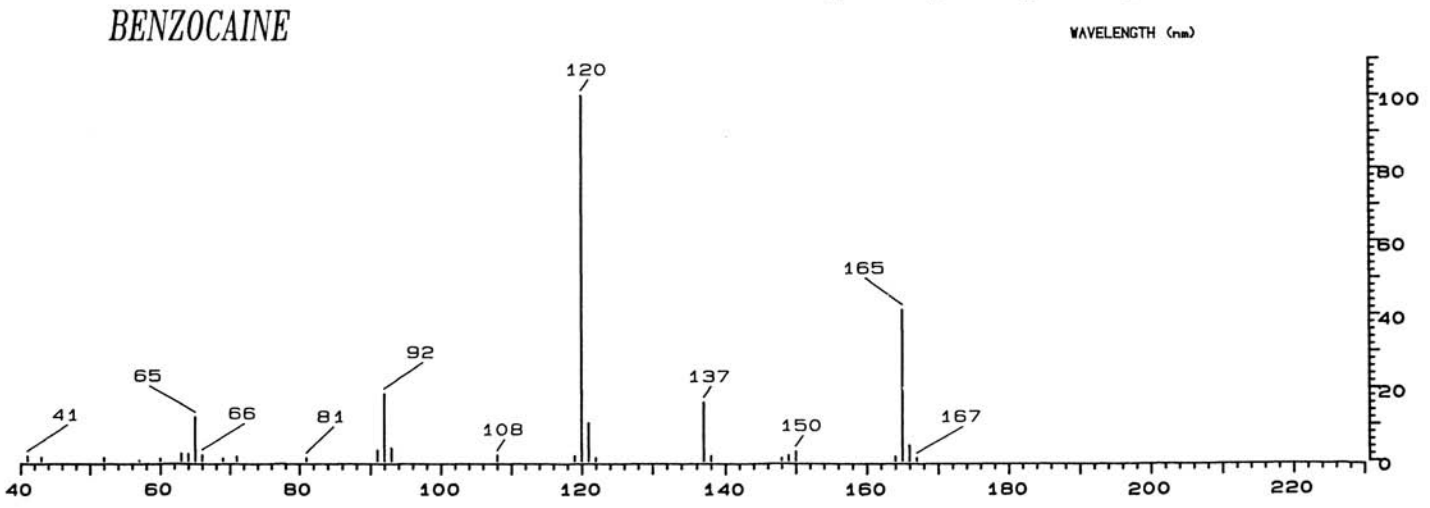
Molecular weight: 165.19 (165.08)
Synonyms: Ethyl aminobenzoate; p-aminobenzoic acid ethyl ester

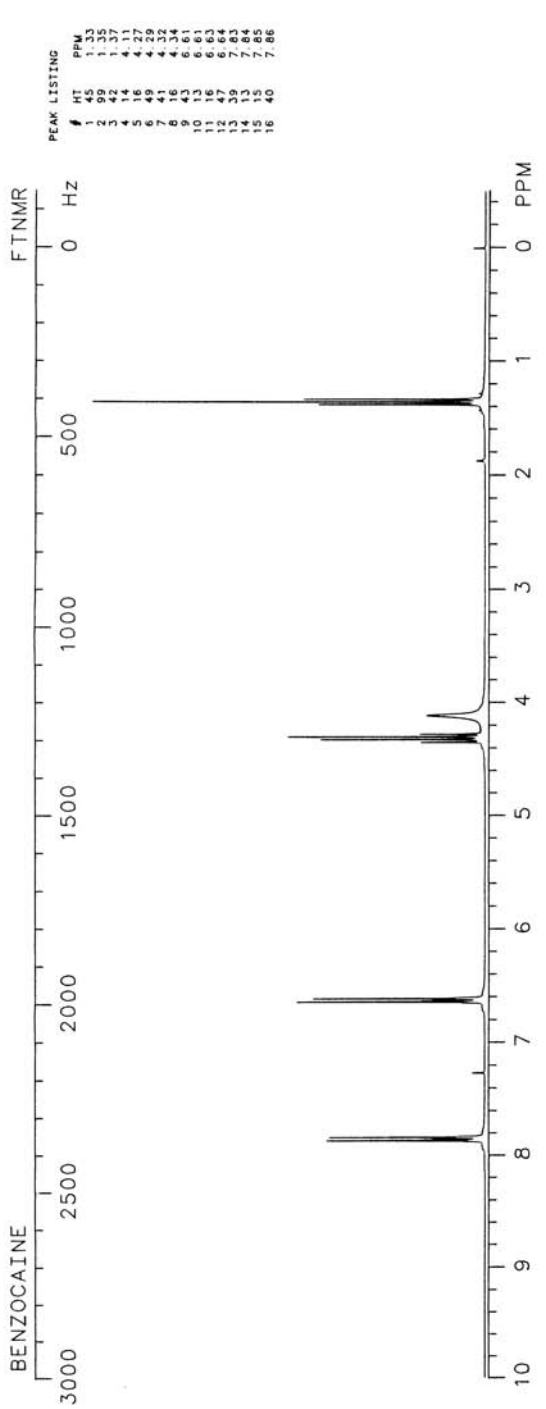
Trade names: Americaine, Cepacol, Tympagesic

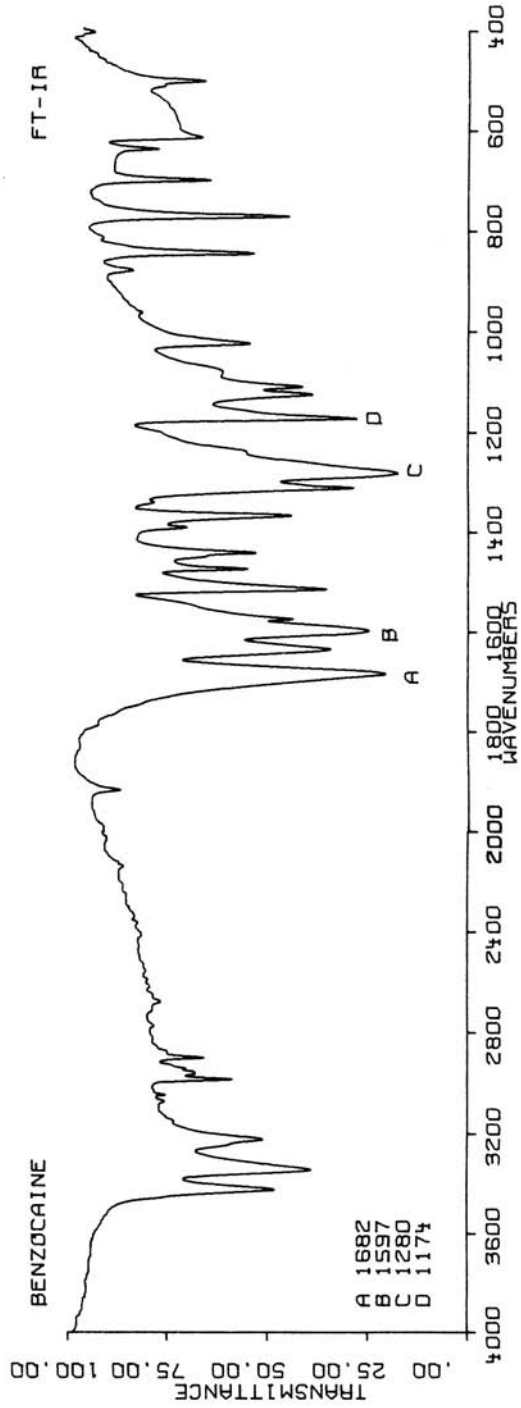
Use: Topical anesthetic
HPLC: Si-10; 1A:99B; 3.5
GC: 1580; 200°C








BENZOCAINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 45 1.33
2 99 1.35
3 42 1.37
4 14 4.11
5 16 4.27
6 49 4.29
7 41 4.32
8 16 4.34
9 43 6.61
10 13 6.61
11 16 6.63
12 47 6.64
13 39 7.83
14 13 7.84
15 15 7.85
16 40 7.86


BENZOCAINE
FT-IR
TRANSMITTANCE
.00
25.00
50.00
75.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D
A 1682
B 1597
C 1280
D 1174

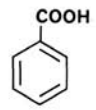
BENZOIC ACID

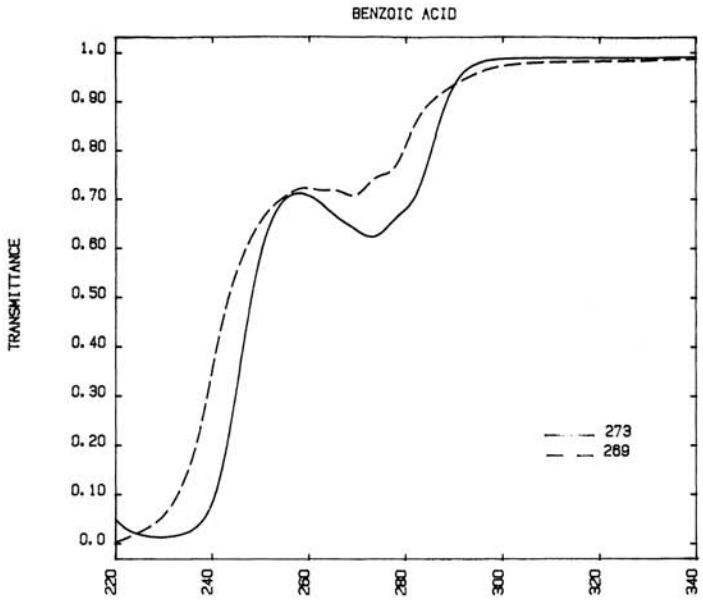
$C_7H_6O_2$

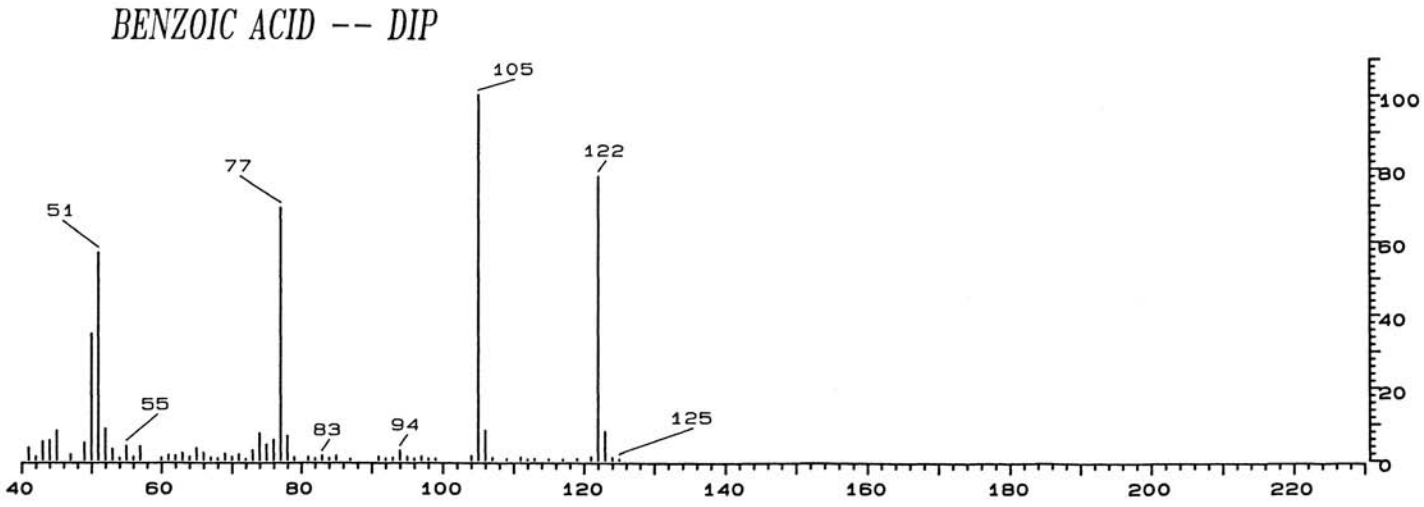
Molecular weight: 122.12 (122.04)
Synonyms: Benzenecarboxylic acid

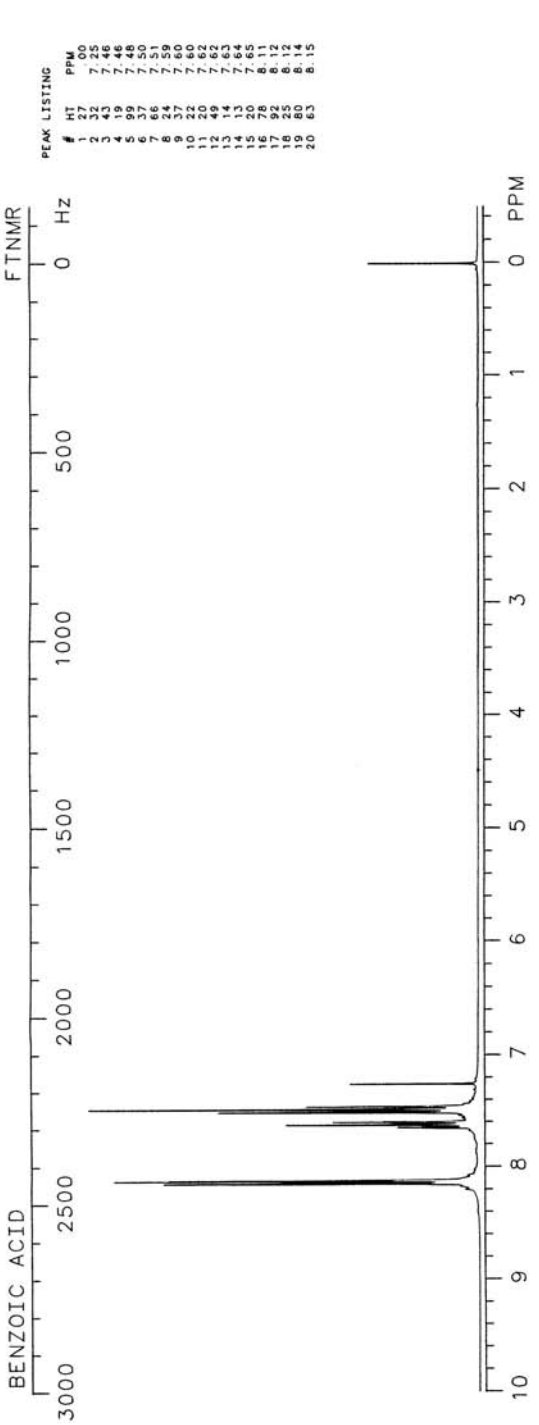
Trade names: Trac Tabs

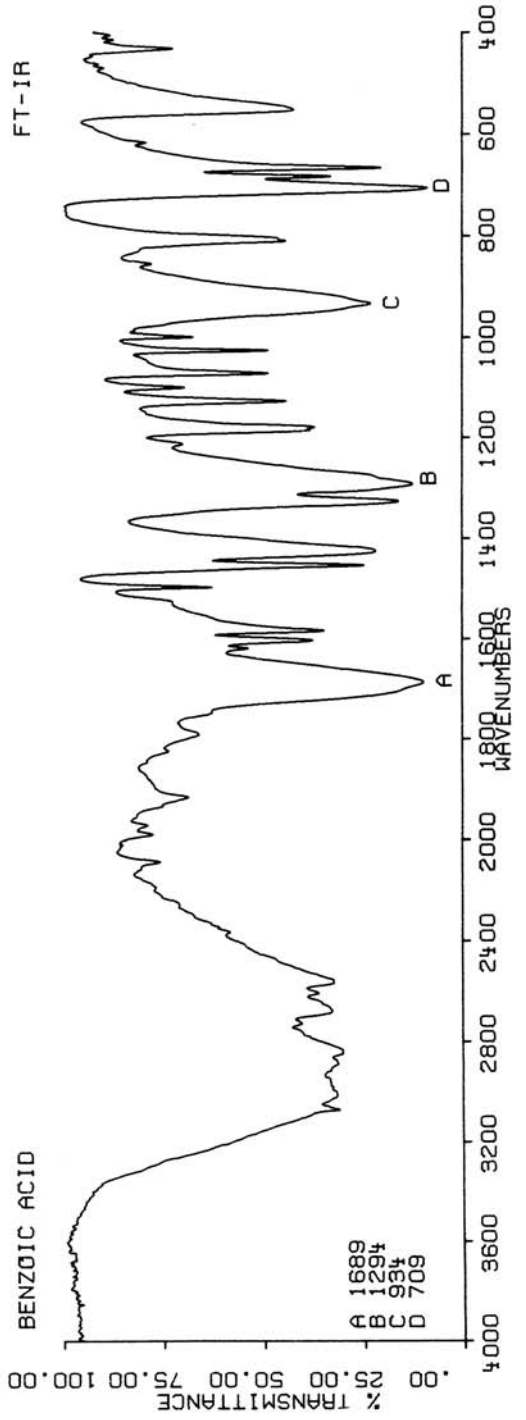
Use: Antifungal
HPLC: Si-10; 1A:99B; 3.5
GC: 1208; 140°C








FTNMR
BENZOIC ACID
PEAK LISTING
HT PPM
1 37 7.00
2 33 7.25
3 43 7.46
4 19 7.46
5 99 7.48
6 37 7.50
7 66 7.51
8 34 7.59
9 37 7.60
10 22 7.60
11 20 7.62
12 49 7.62
13 14 7.63
14 13 7.64
15 20 7.65
16 78 8.11
17 92 8.12
18 25 8.12
19 80 8.14
20 63 8.15
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

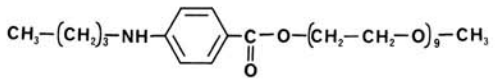

FT-IR
BENZOIC ACID
A 1689
B 1294
C 934
D 709
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

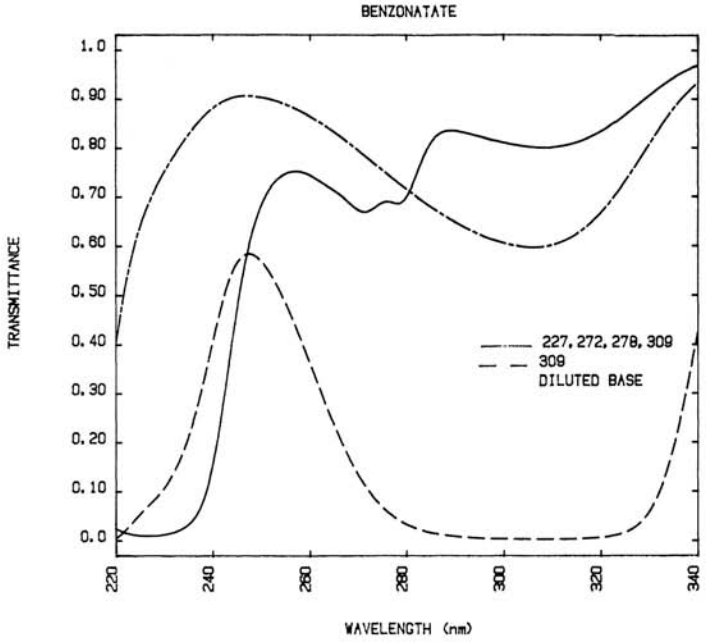
BENZONATATE

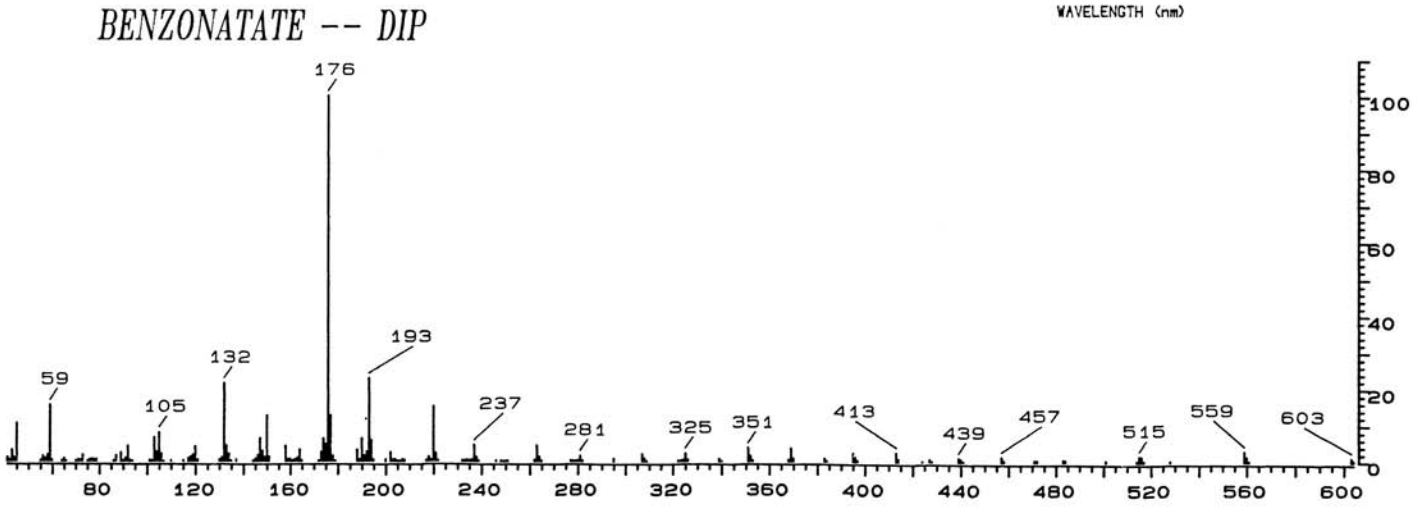
$C_{30}H_{53}NO_{11}$

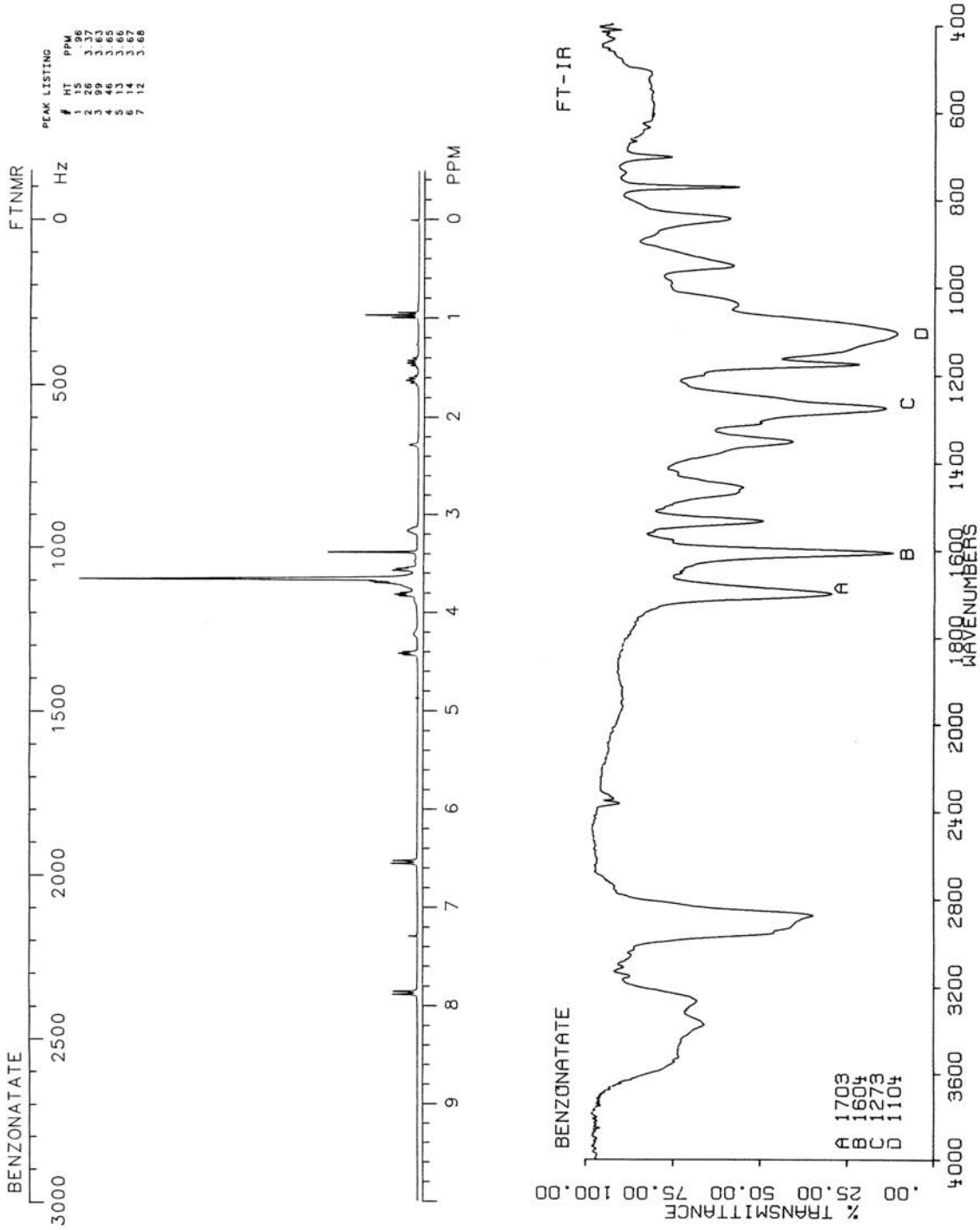
Molecular weight: 603.75 (603.36)
Synonyms: 4-(Butylamino)benzoic acid 3,6,9,12,15,18,21,24,27-nonaoxaoctacos-1-yl ester; benzononatine
Trade names: Tessalon

Use: Antitussive
HPLC: Si-10; 20A:80B; 4.0
GC:







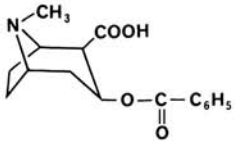

BENZONATATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 15 96
2 26 3.37
3 99 3.63
4 46 3.65
5 13 3.66
6 14 3.67
7 12 3.68
9 8 7 6 5 4 3 2 1 0 PPM
BENZONATATE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
A 1703
B 1604
C 1273
D 1104
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

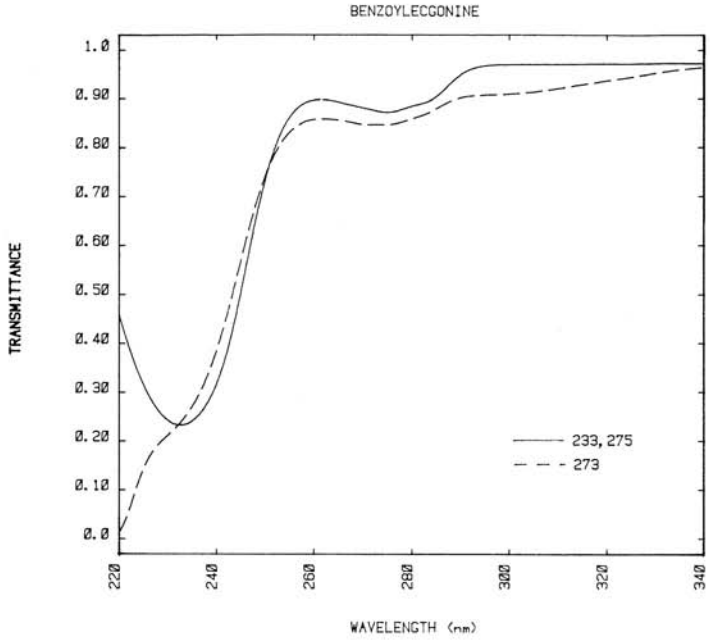
BENZOYLECGONINE

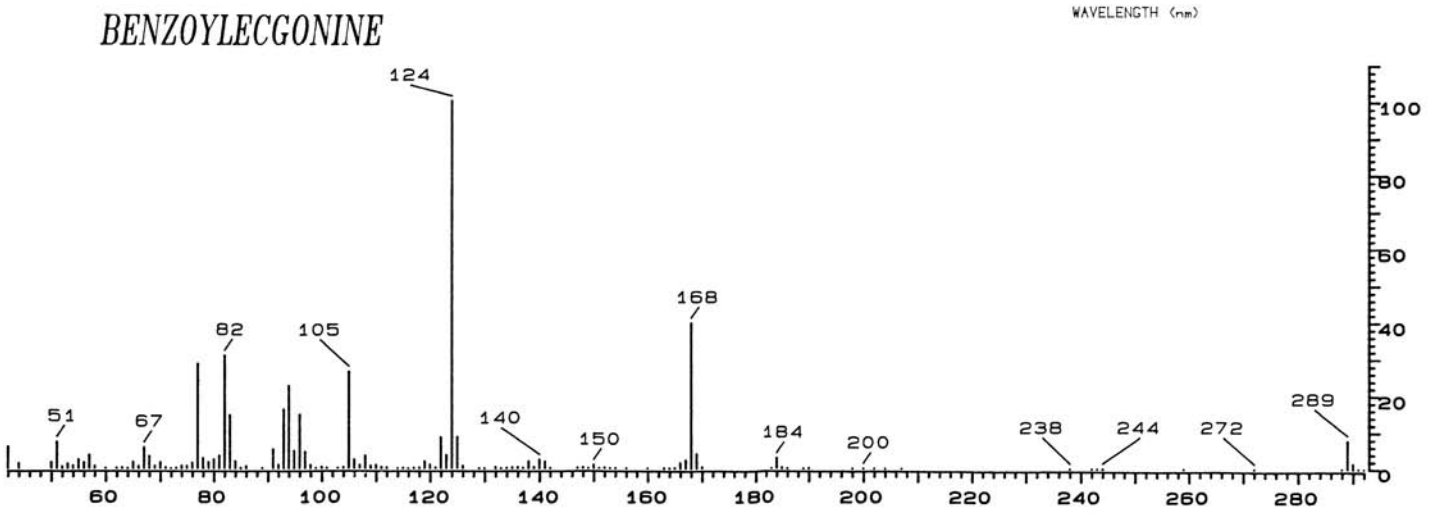
$C_{16}H_{19}NO_4$

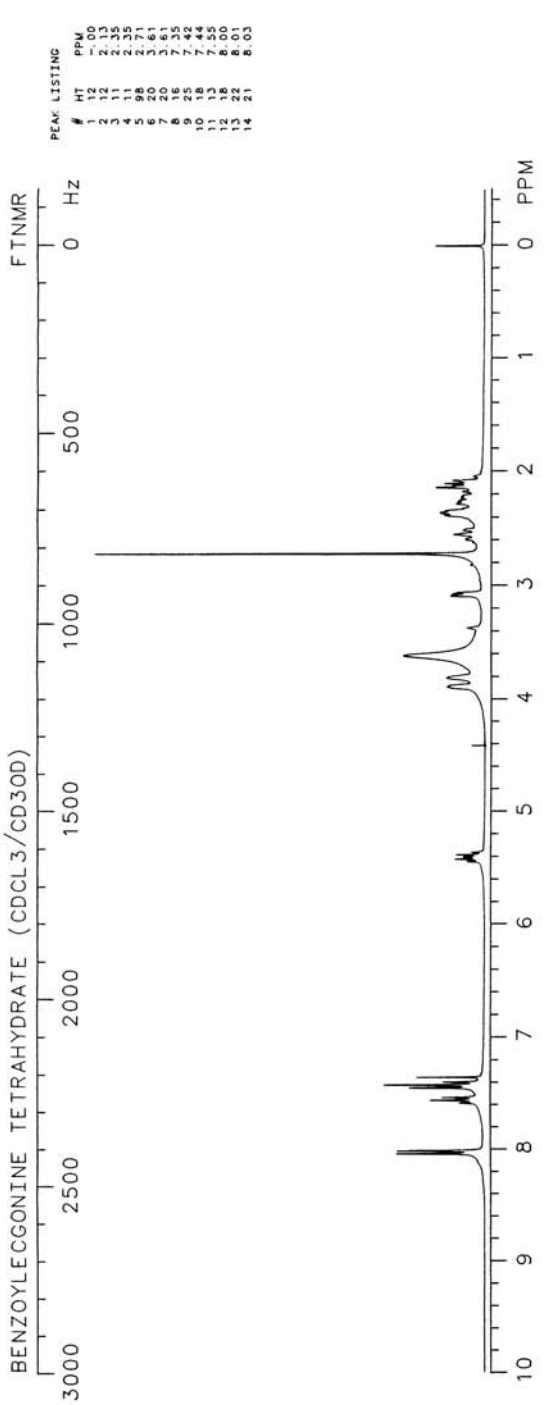
Molecular weight: 289.33 (289.13)
Synonyms: [1R-(exo,exo)]-3-(Benzoyloxy)-8-methylazabicyclo-[3.2.1]octane-2-carboxylic acid
Trade names:

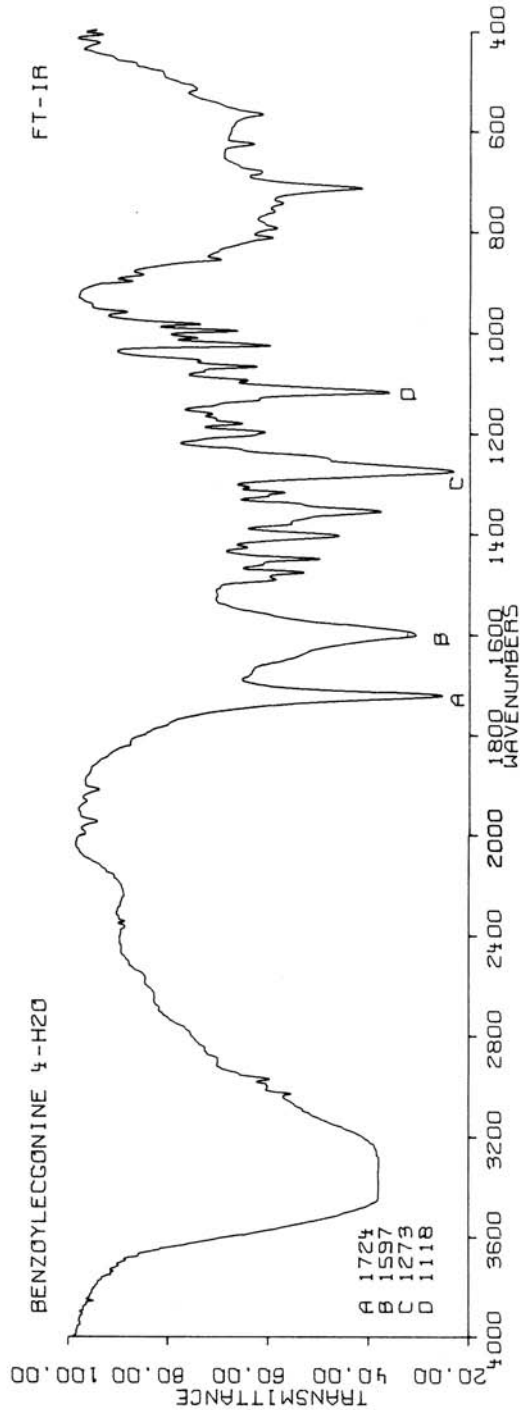
Use:
HPLC: Si-10; 20A:80B; 7.0
GC: 2272; 250°C








BENZOYLECGONINE TETRAHYDRATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 12 1.00
2 12 2.13
3 11 2.35
4 11 2.35
5 98 2.71
6 20 3.61
7 20 7.55
8 16 7.42
9 25 7.44
10 18 7.55
11 13 8.00
12 18 8.01
13 22 8.03
14 21 8.03


BENZOYLECGONINE 4-H2O
FT-IR
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1724
B 1597
C 1273
D 1118

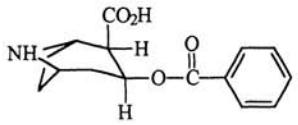
BENZOYLNORECGONINE

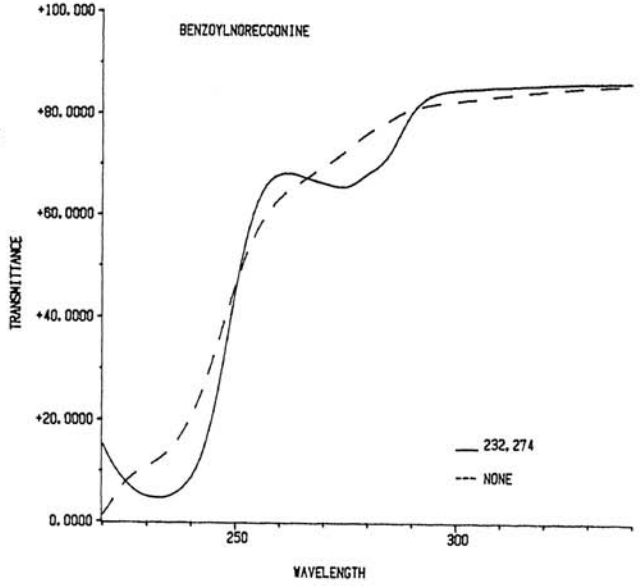
$C_{15}H_{17}NO_4$

Molecular Weight: 275.30 (275.12)

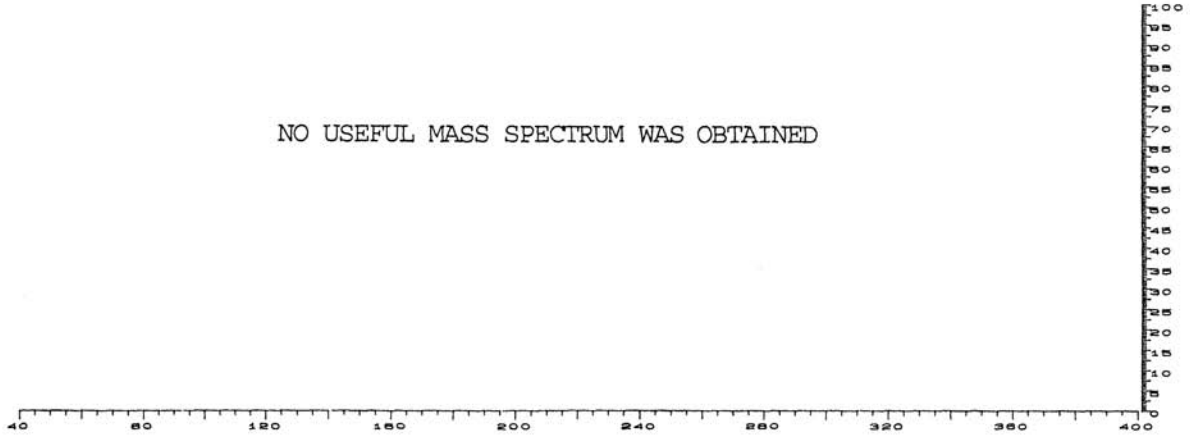
Synonyms: [1r-(exo,exo)]-3-(Benzoyloxy)-8-azabicyclo[3.2.1]octane-2β-carboxylic acid.
Trade Names:
Use: Cocaine metabolite

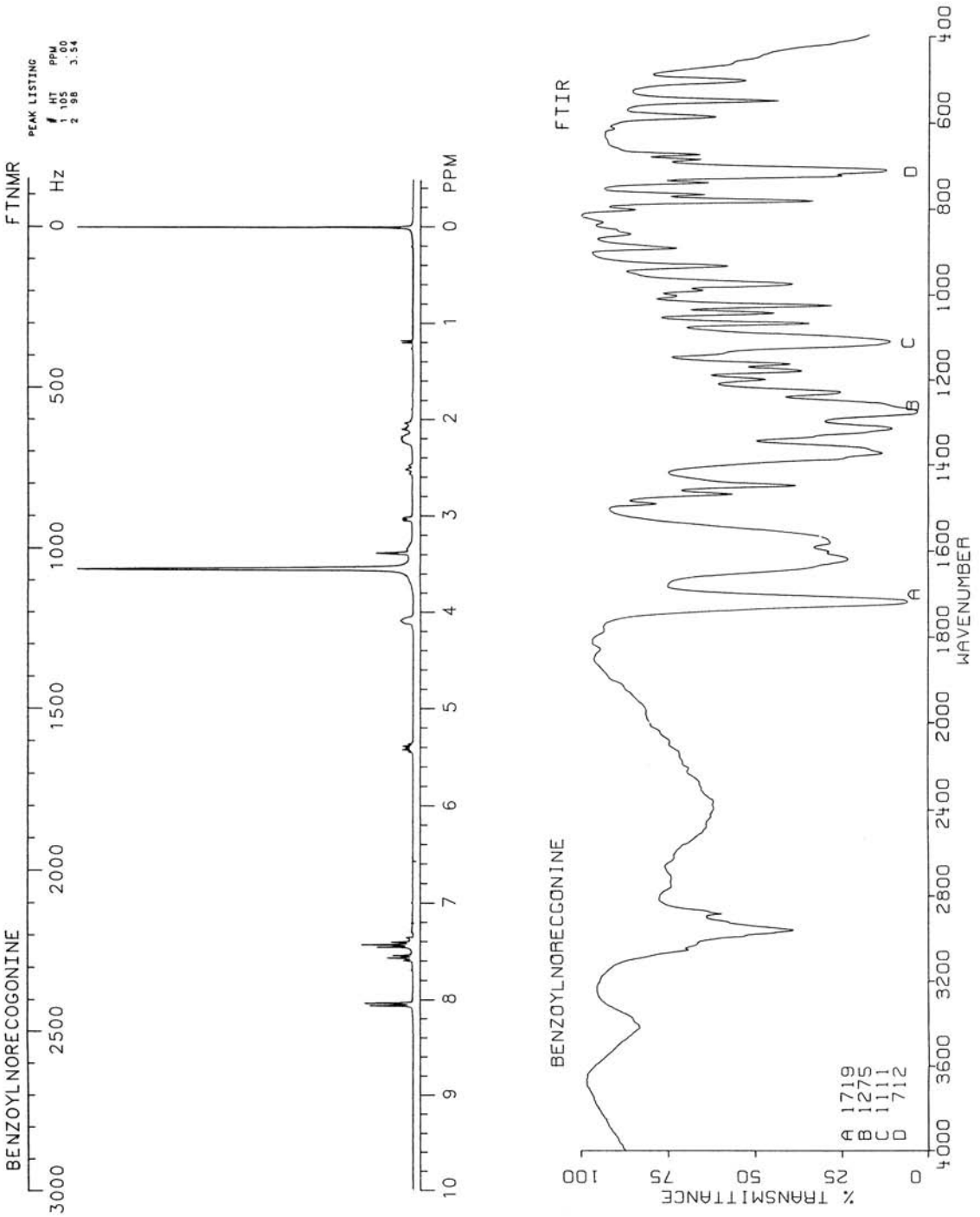
HPLC: Methanol: 2.6
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



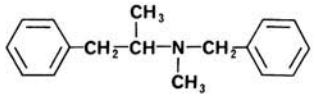

BENZOYLNORECOGONINE
FTNMR
PEAK LISTING
HT PPM
1 105 .00
2 98 3.54
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BENZOYLNORECGONINE
FTIR
A 1719
B 1275
C 1111
D 712
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

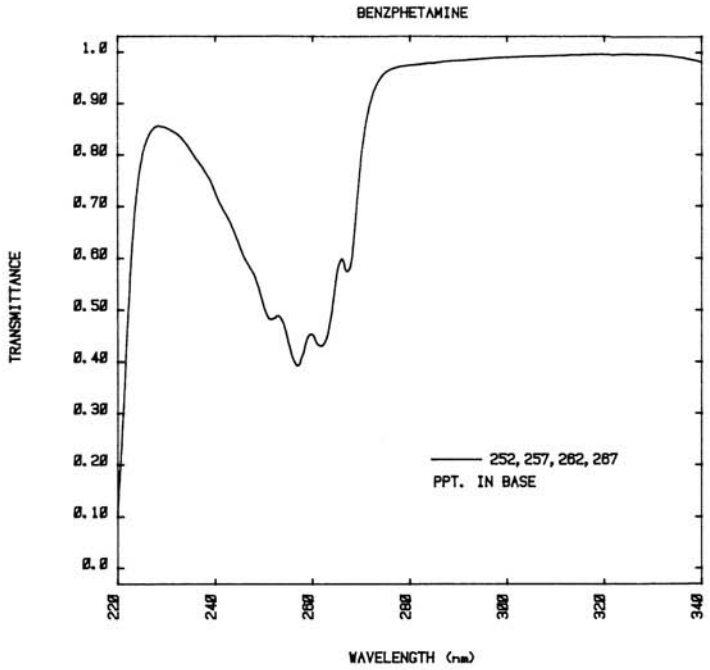
BENZPHETAMINE

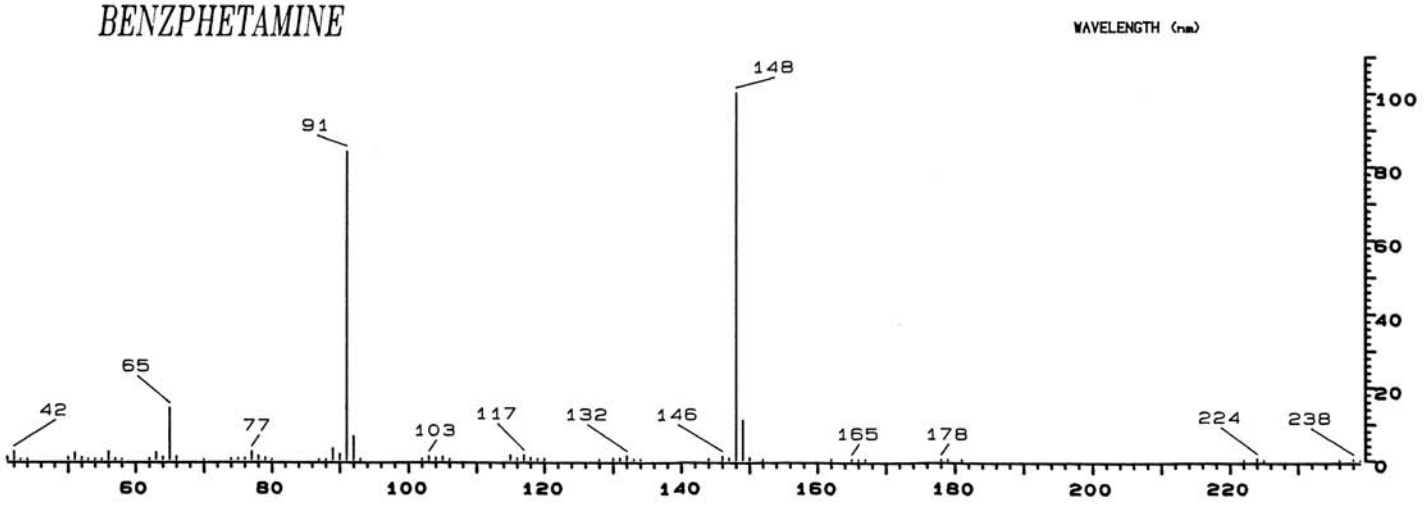
$C_{17}H_{21}N$

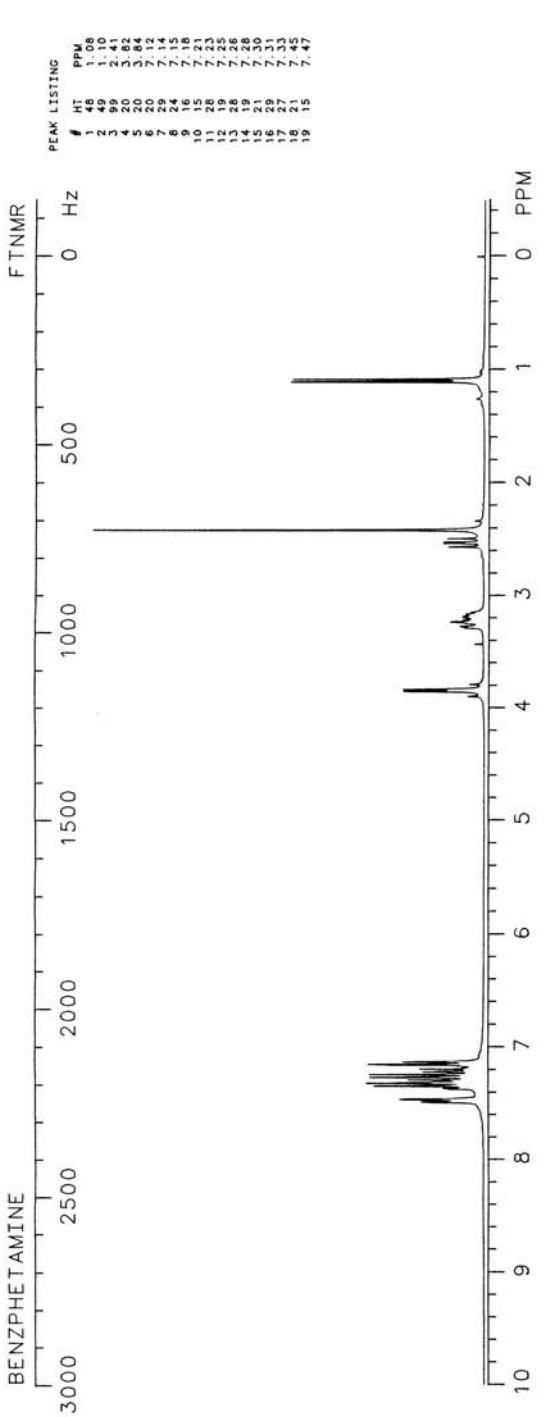
Molecular weight: 239.36 (239.17)
Synonyms: N-α-Dimethyl-N-(phenylmethyl)benzeneethanamine; N-benzyl-N-α-dimethylphenethylamine
Trade names: Didrex

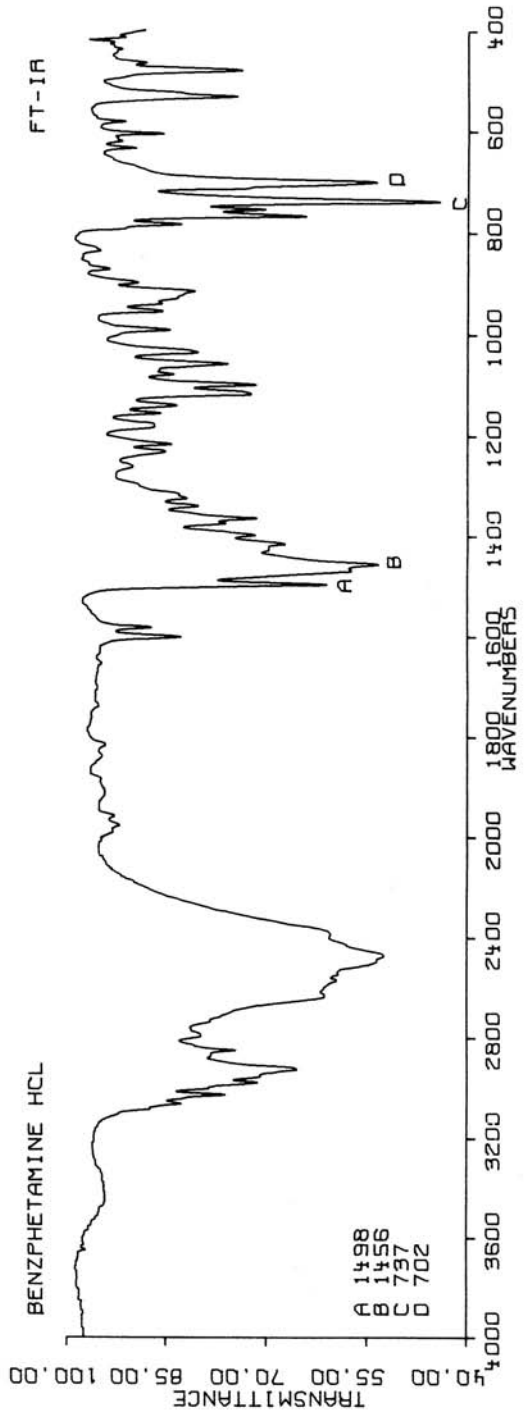
Use: Anorexic
HPLC: Si-10; 1A:99B; 5.5
GC: 1857; 200°C








BENZPHETAMINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 46 1.08
2 49 1.10
3 99 2.41
4 20 3.62
5 20 3.84
6 20 7.12
7 29 7.14
8 24 7.15
9 16 7.16
10 15 7.21
11 28 7.23
12 19 7.25
13 28 7.26
14 19 7.28
15 21 7.30
16 29 7.31
17 27 7.33
18 21 7.45
19 15 7.47

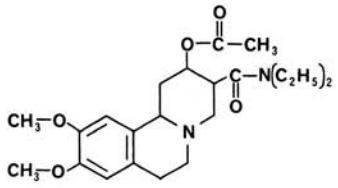

BENZPHETAMINE HCL
FT-IR
A 1498
B 1456
C 737
D 702
A
B
C
D
TRANSMITTANCE
50.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

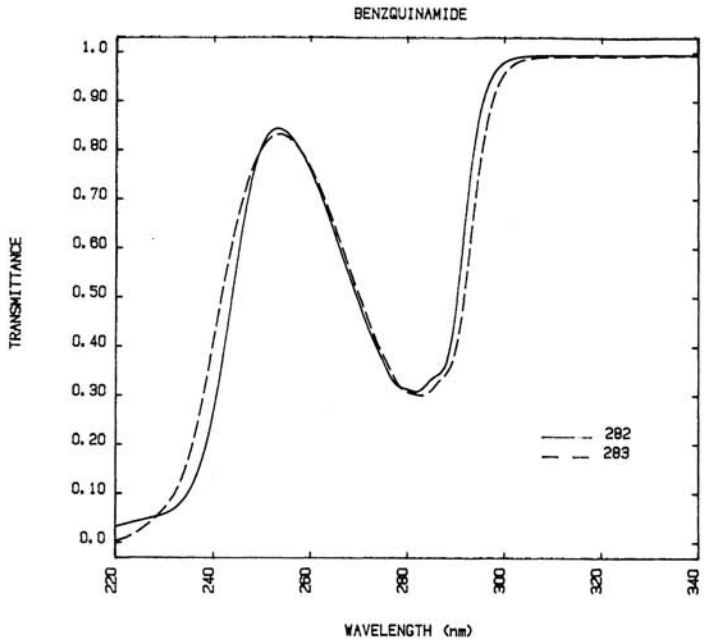
BENZQUINAMIDE

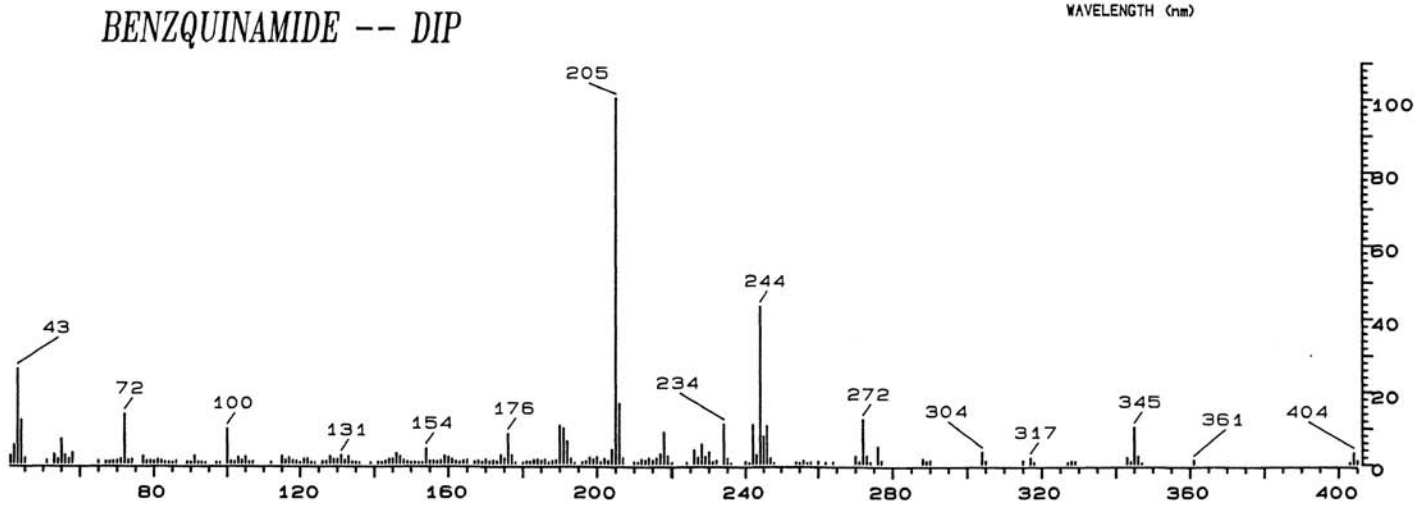
$C_{22}H_{32}N_2O_5$

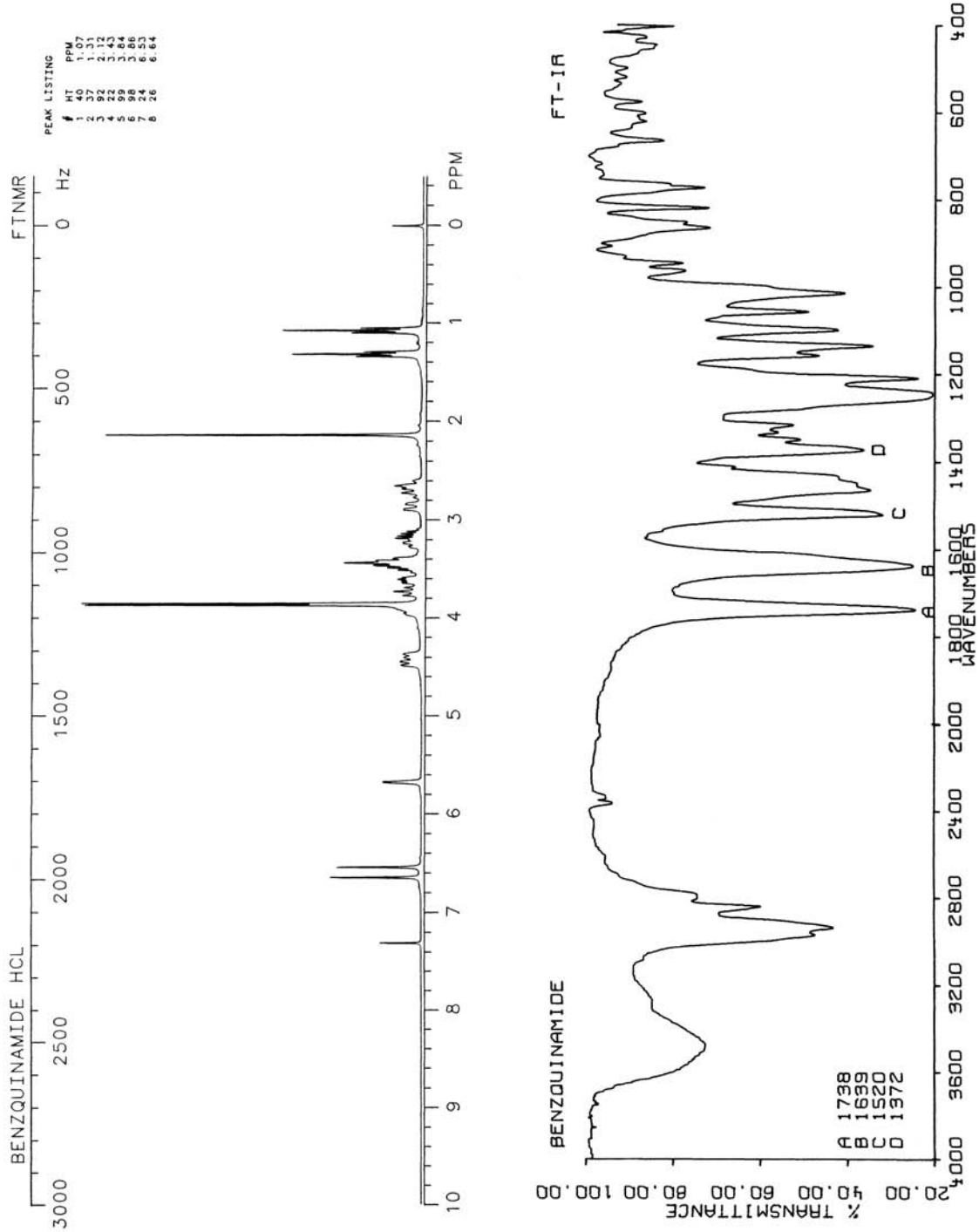
Molecular weight: 404.51 (404.23)
Synonyms: 2-(Acetyloxy)-N,N-diethyl-1,3,4,6,7,11b-hexahydro-9,10-dimethoxy-2H-benzo[a]quinolizine-3-carboxamide
Trade names: Emete-con

Use: Tranquilizer, antiemetic
HPLC: Si-10; 2A:98B; 6.0
GC: 2964; 280°C







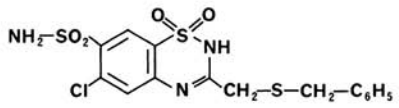

BENZQUINAMIDE HCL
FTNMR
PEAK LISTING
HT PPM
1 40 1.07
2 37 1.31
3 92 2.12
4 22 3.43
5 99 3.84
6 98 3.86
7 24 6.53
8 26 6.64
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BENZQUINAMIDE
FT-IR
A 1738
B 1639
C 1520
D 1372
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

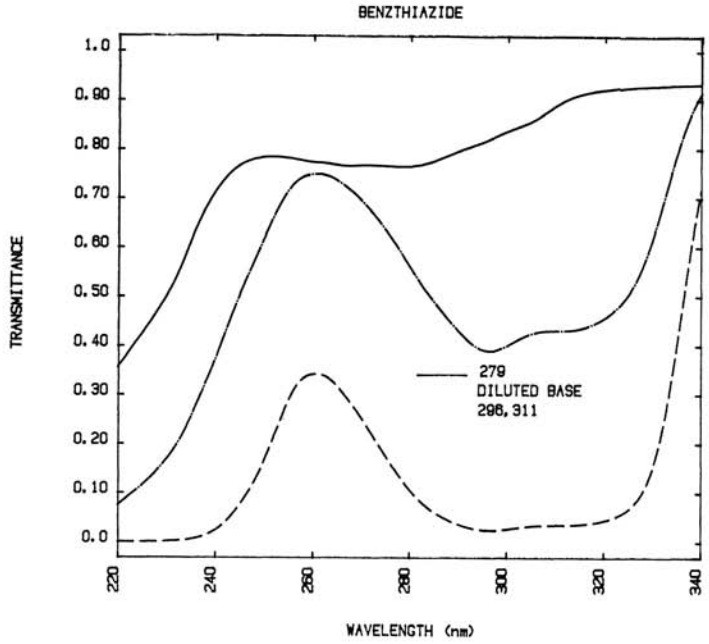
BENZTHIAZIDE

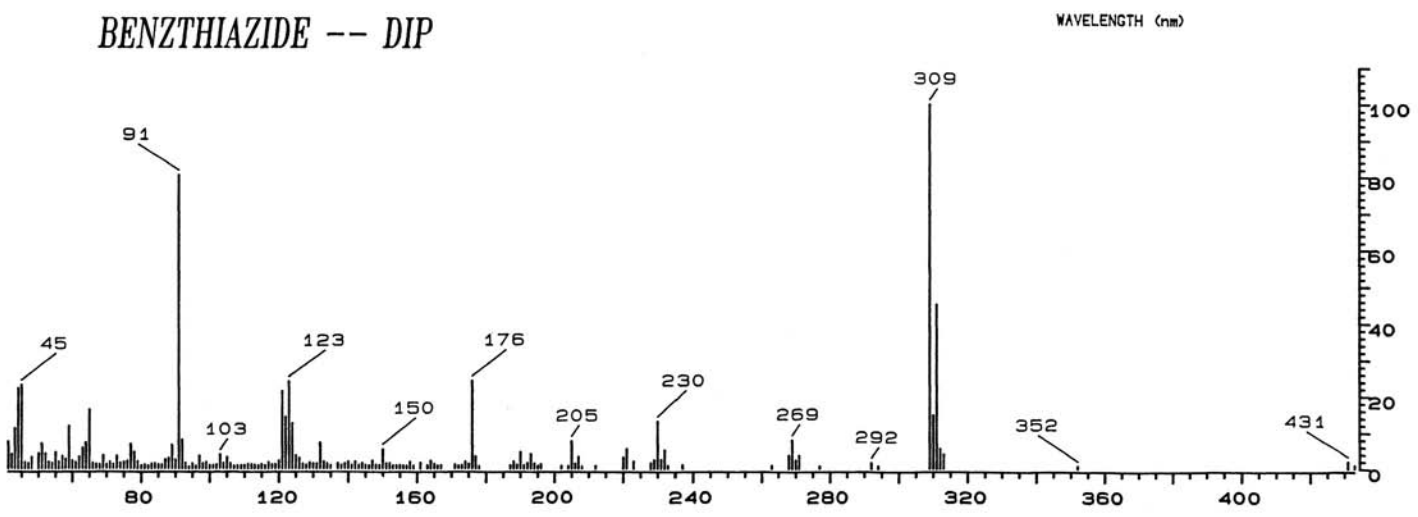
$C_{15}H_{14}ClN_3O_4S_3$

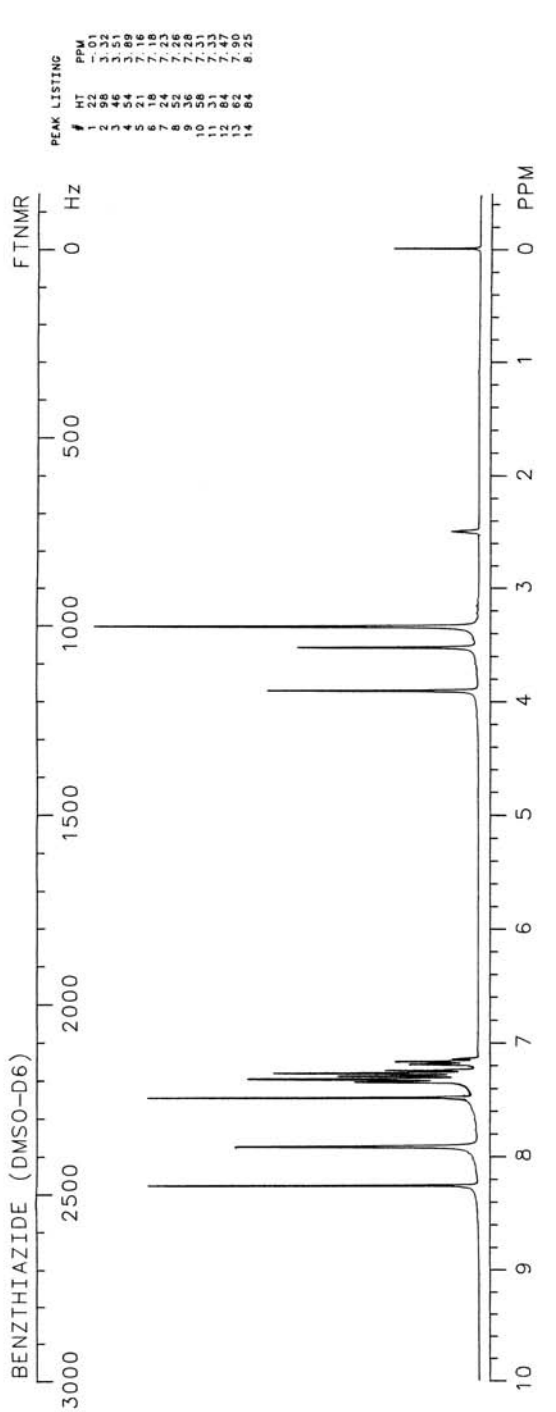
Molecular weight: 431.93 (430.98)
Synonyms: 6-Chloro-3-[[(phenylmethyl)thio]methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide; benzothiazide
Trade names: Aquatag, Aquex, Exna, Hydrex

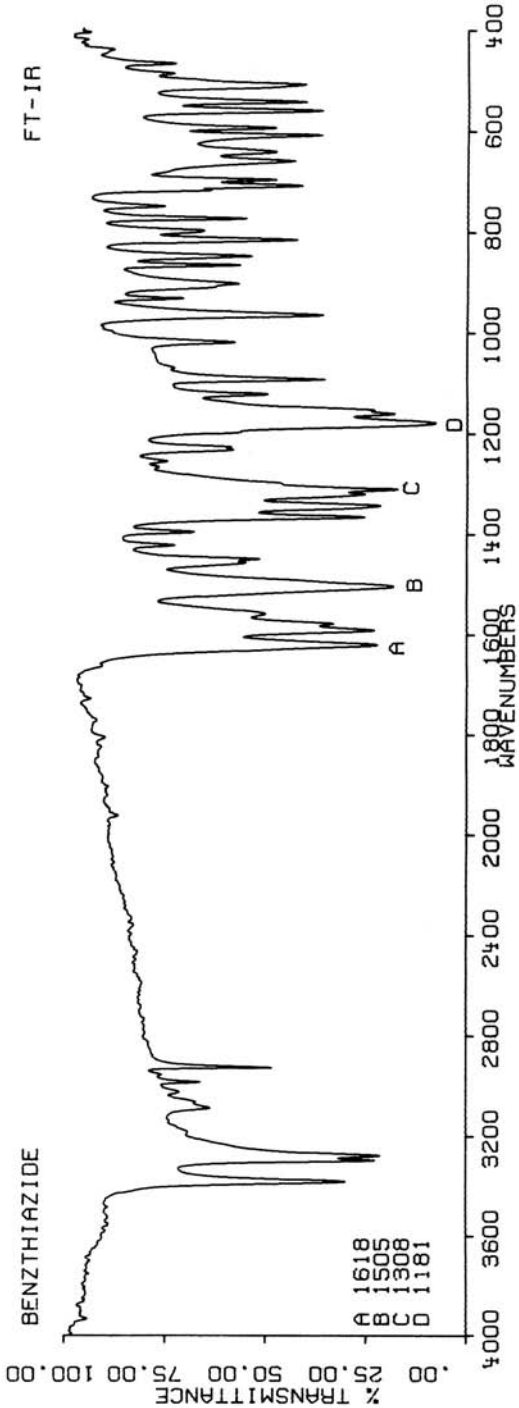
Use: Diuretic, antihypertensive
HPLC:
GC:








BENZTHIAZIDE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 22 -.01
2 98 3.32
3 46 3.51
4 54 3.69
5 21 7.16
6 18 7.18
7 24 7.23
8 52 7.26
9 36 7.28
10 58 7.31
11 31 7.43
12 84 7.47
13 62 7.90
14 84 8.25

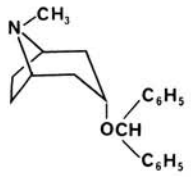

BENZTHIAZIDE
FT-IR
A 1618
B 1505
C 1308
D 1181
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

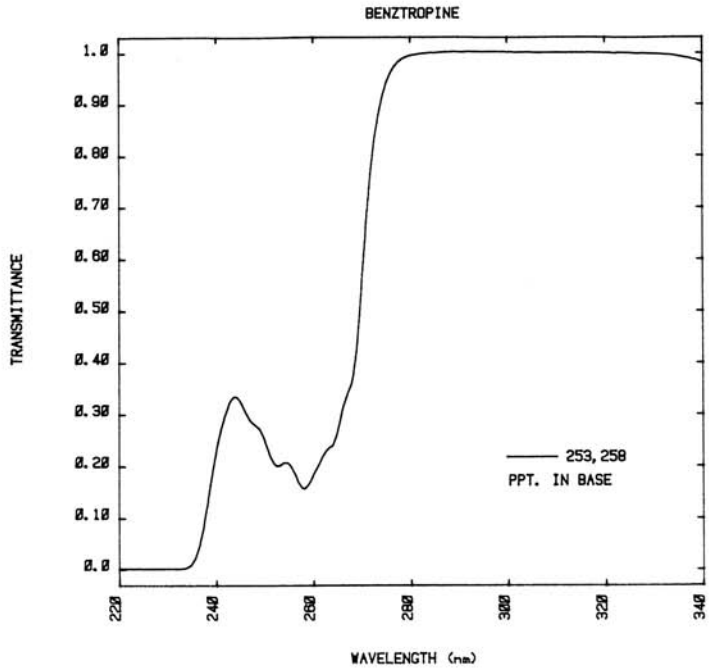
BENZTROPINE

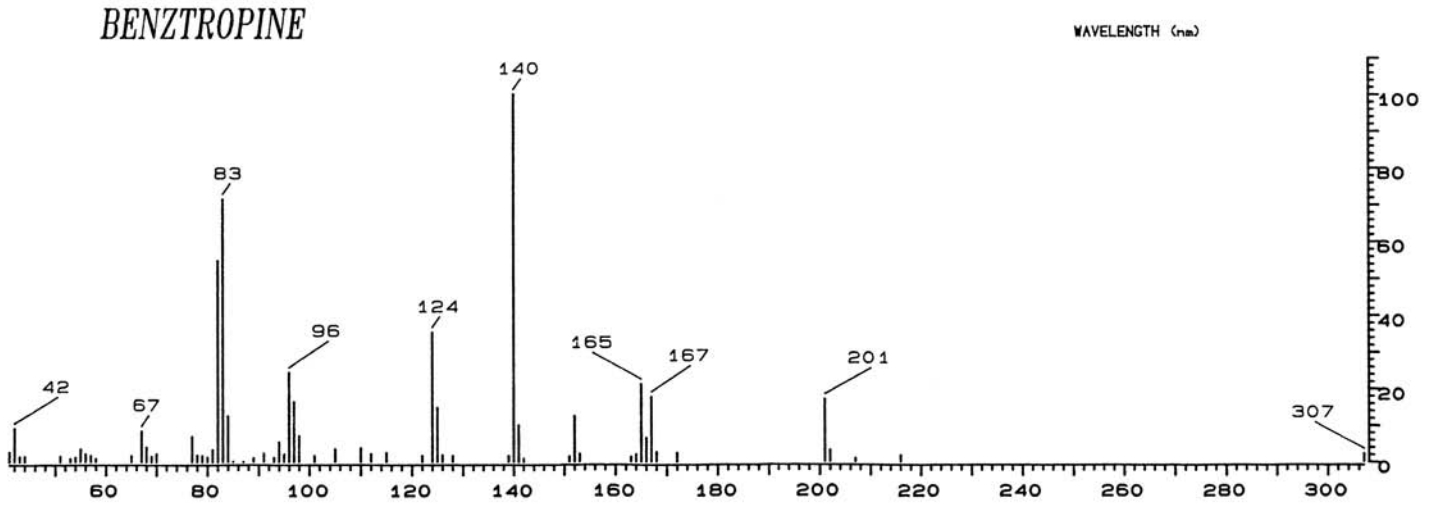
$C_{21}H_{25}NO$

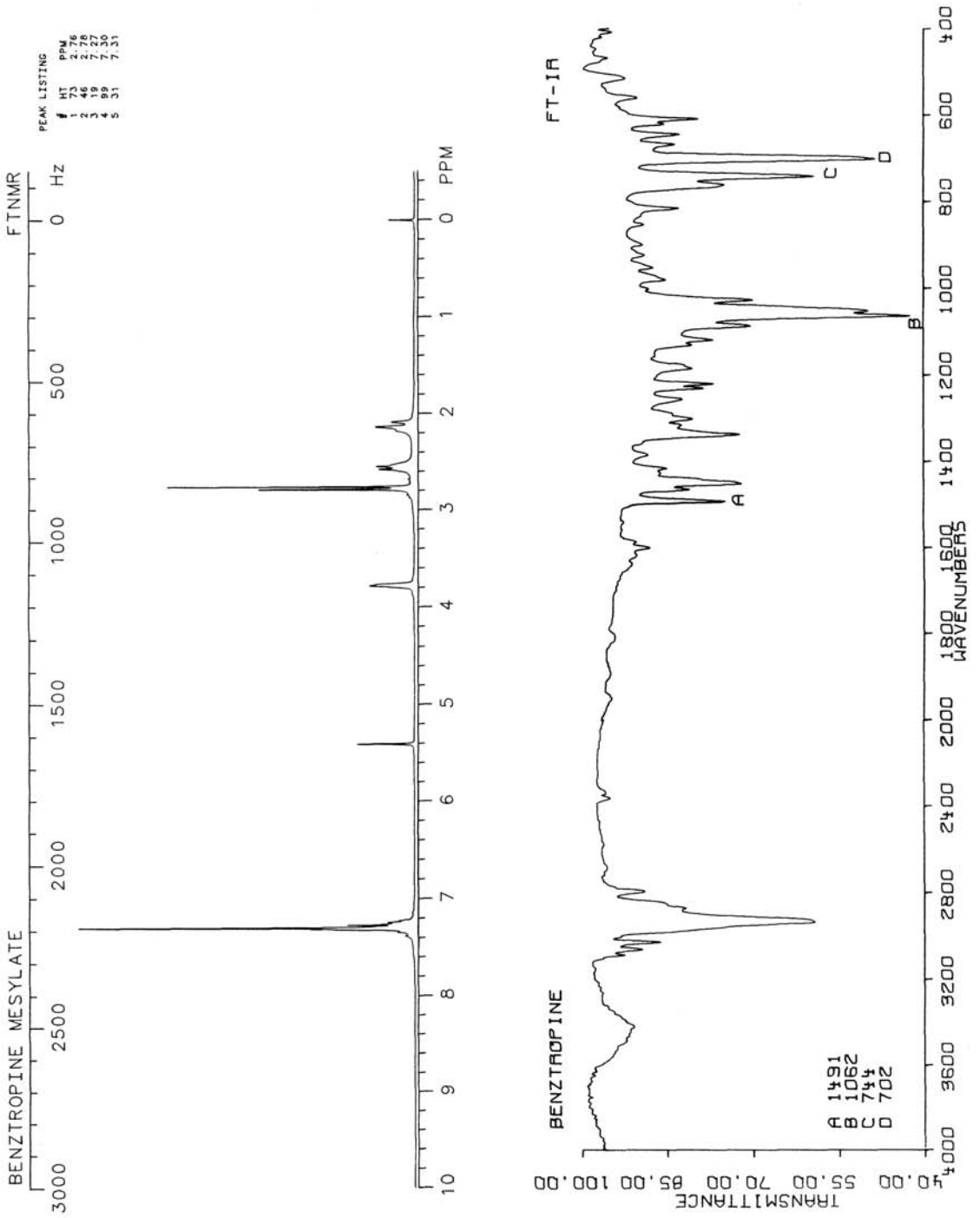
Molecular weight: 307.44 (307.19)
Synonyms: 3-(Diphenylmethoxy)-8-methyl-8-azabicyclo-[3.2.1]octane
Trade names: Cogentin

Use: Anticholinergic
HPLC: Si-10; 20A:80B; 11.0
GC: 2372; 250°C







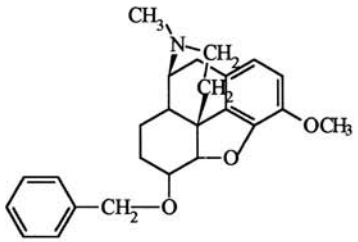

BENZTROPINE MESYLATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 75 2.76
2 46 2.78
3 19 7.27
4 99 7.30
5 31 7.31
BENZTROPINE
FT-IR
A 1491
B 1062
C 744
D 702
A
B
C
D
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

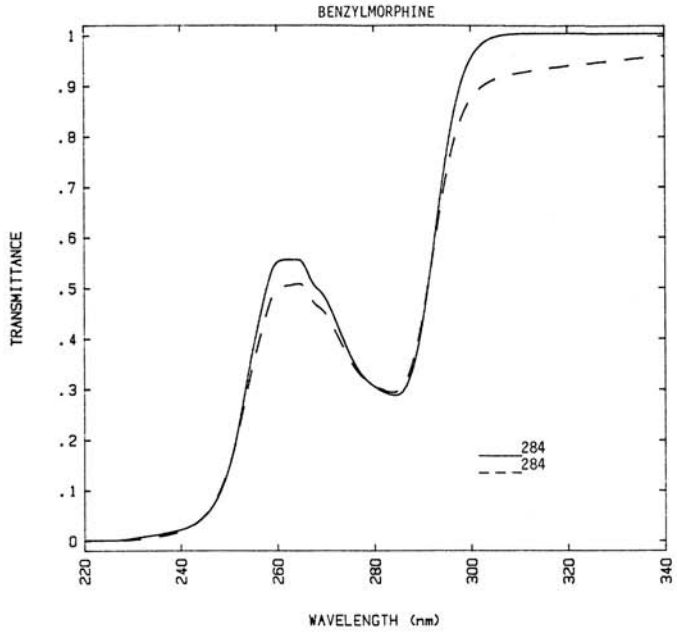
BENZYLMORPHINE

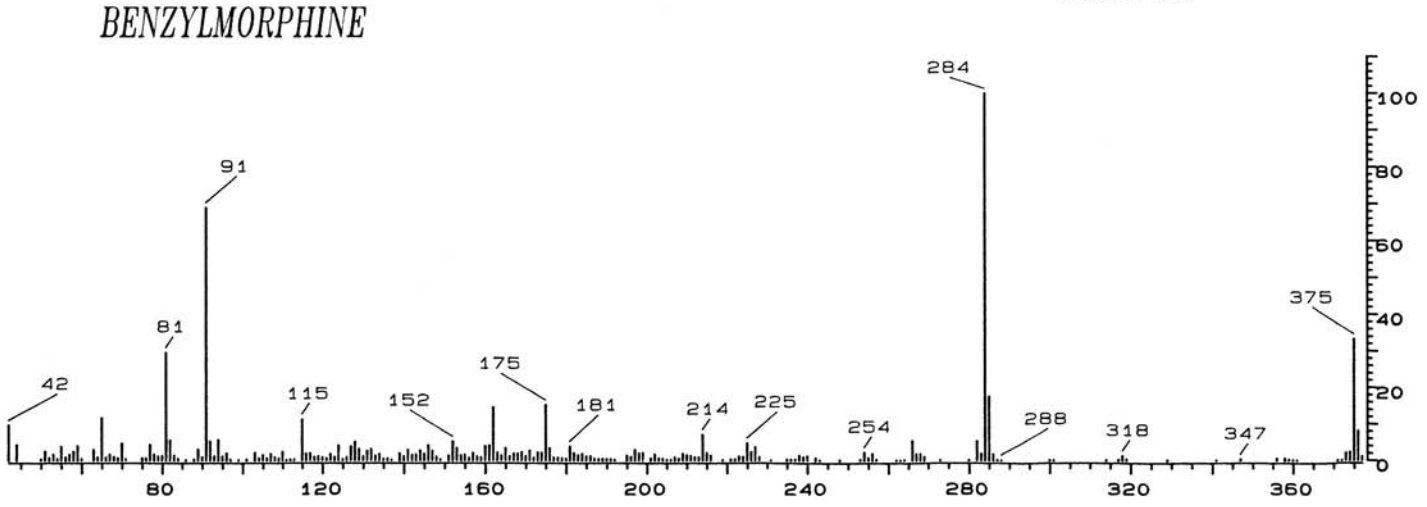
$C_{24}H_{25}NO_3$

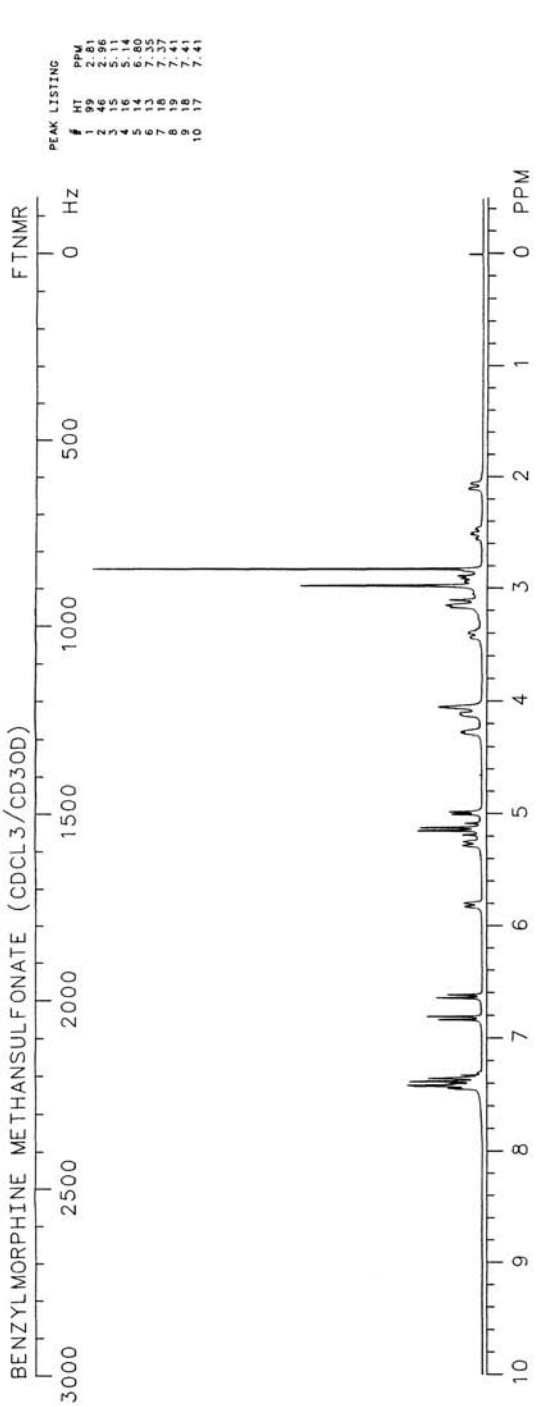
Molecular weight: 375.45 (375.18)
Synonyms: 7,8-Didehydro-4,5-epoxy-17-methyl-3-(phenylmethoxy)-morphinan-6-ol; 3-O-benzylmorphine
Trade names: Peronine

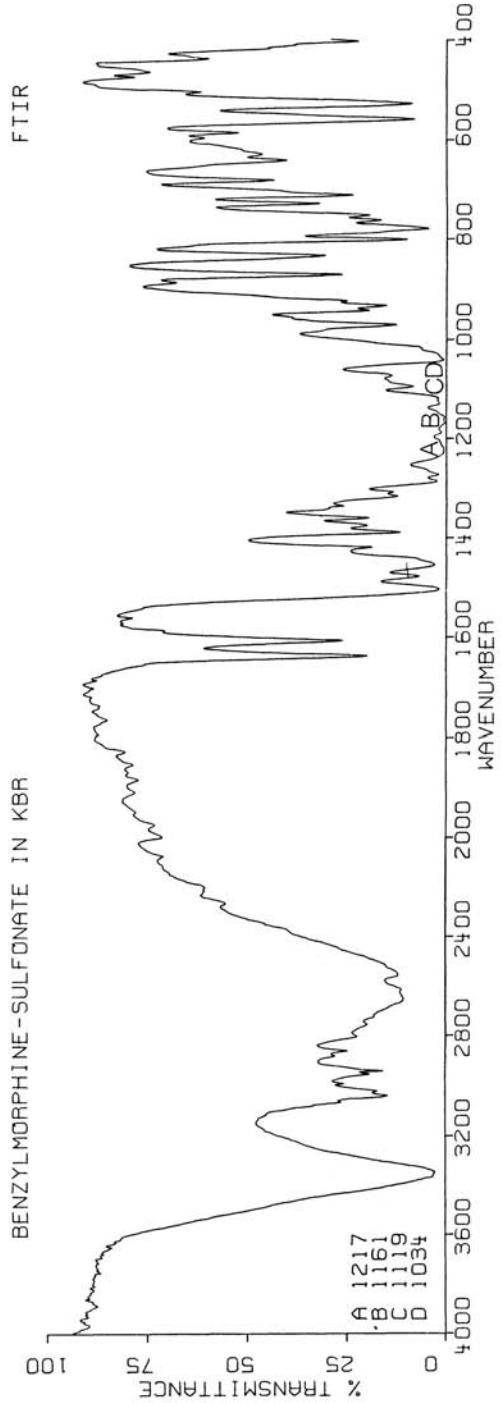
Use: Narcotic analgesic
HPLC: Si-10; 5A:95B; 6.3
GC: 3119; 280°C







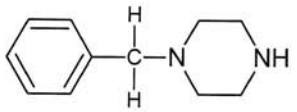

BENZYLMORPHINE METHANSULFONATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 2.81
2 46 2.96
3 15 5.11
4 16 5.14
5 14 6.80
6 13 7.35
7 18 7.37
8 19 7.41
9 18 7.41
10 17 7.41
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

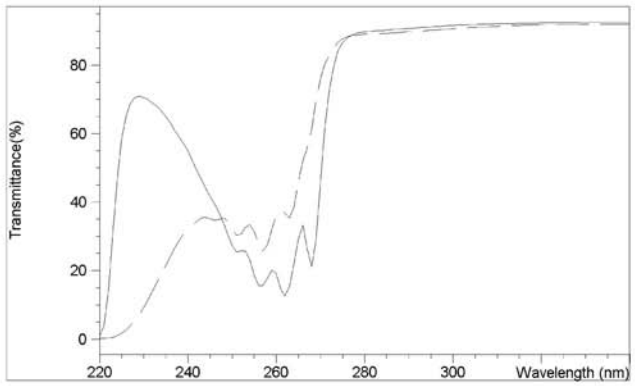

BENZYLMORPHINE-SULFONATE IN KBR
FTIR
A 1217
B 1161
C 1119
D 1034
A,B,C,D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

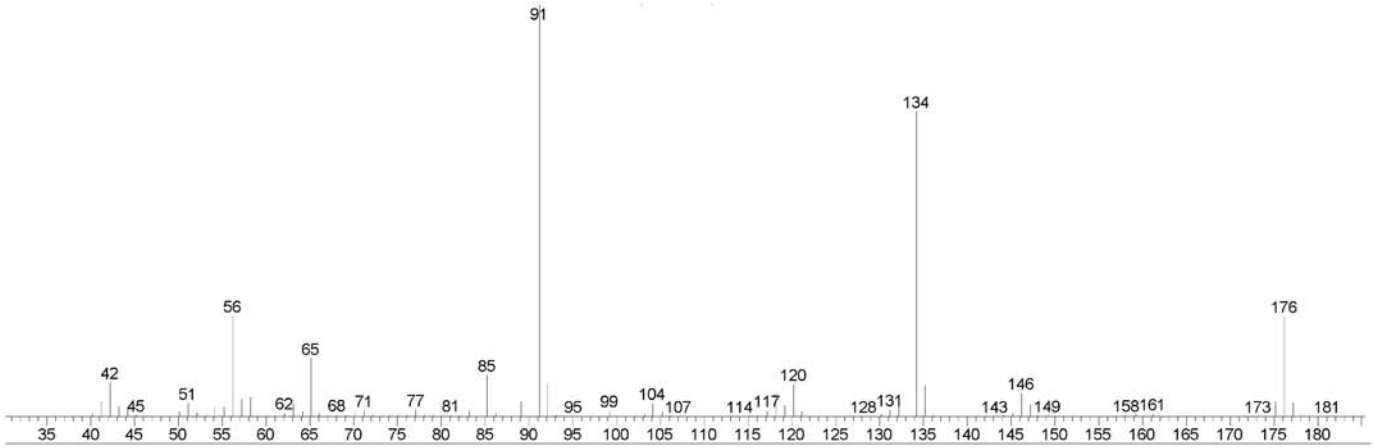
BENZYLPIPERAZINE

$C_{11}H_{16}N_2$

Molecular Weight: 176.258 (176.13)
Synonyms: 1-Benzyl-1,4-diazacyclohexane, BZP
Trade names:
Use: Stimulant

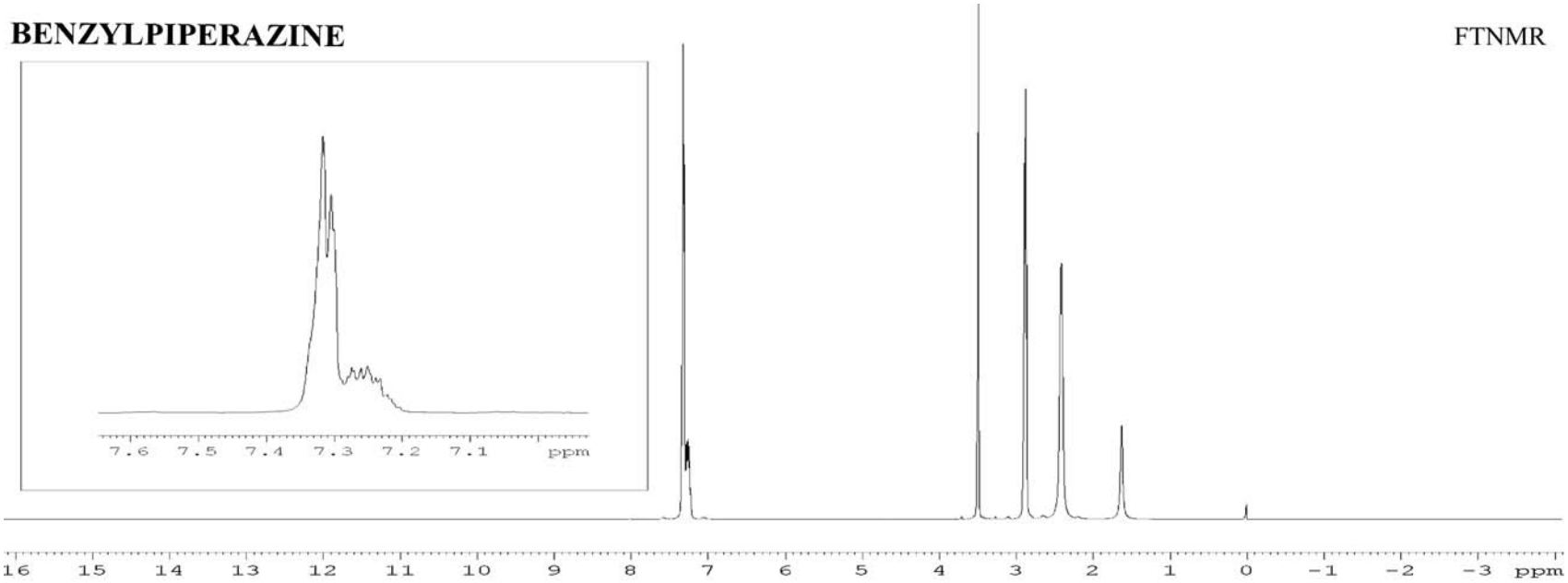




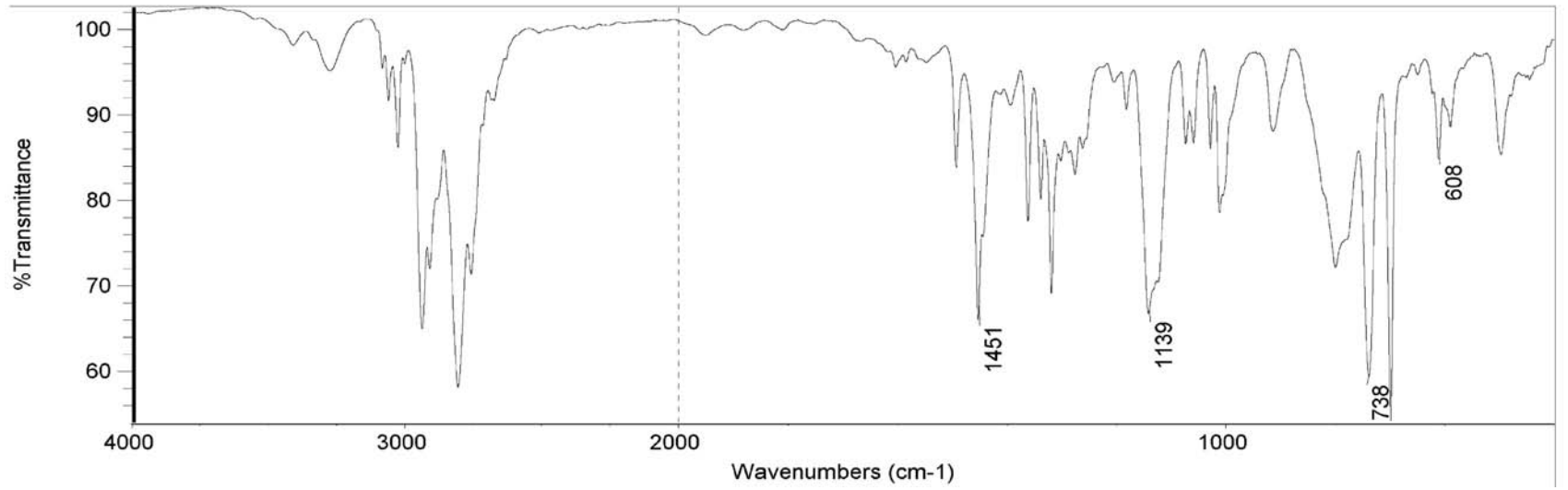


BENZYLPIPERAZINE

FTNMR



FT-IR

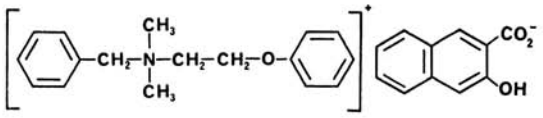


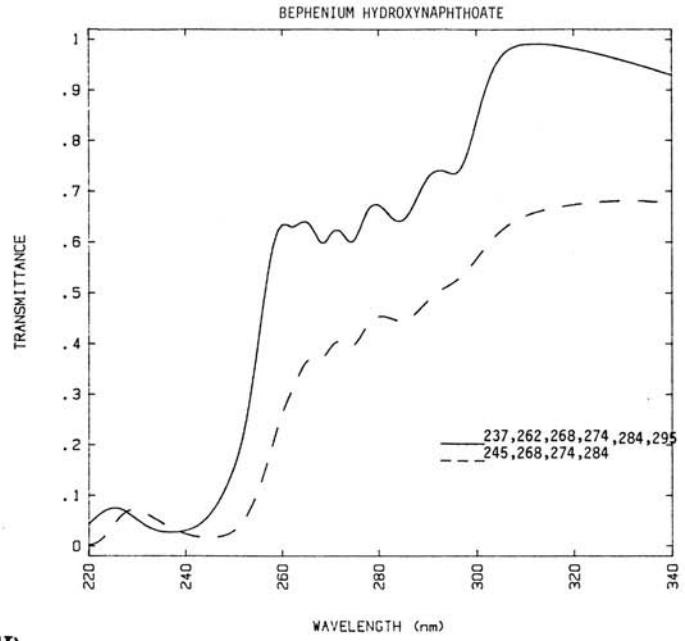
BEPHENIUM HYDROXYNAPHTHOATE

$C_{28}H_{29}NO_4$

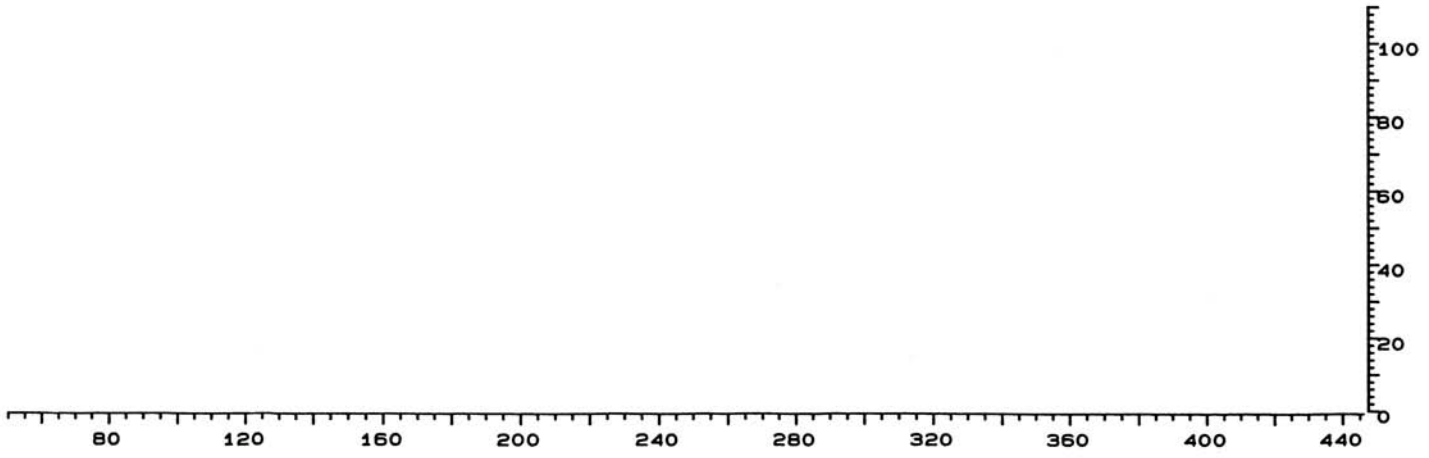
Molecular weight: 443.29 (443.21)
Synonyms: Benzyldimethyl (2-phenoxyethyl)ammonium 3-hydroxy-2-naphthoate; naphthammonum
Trade names: Alcopar, Befeniol, Lecibis, Nemex

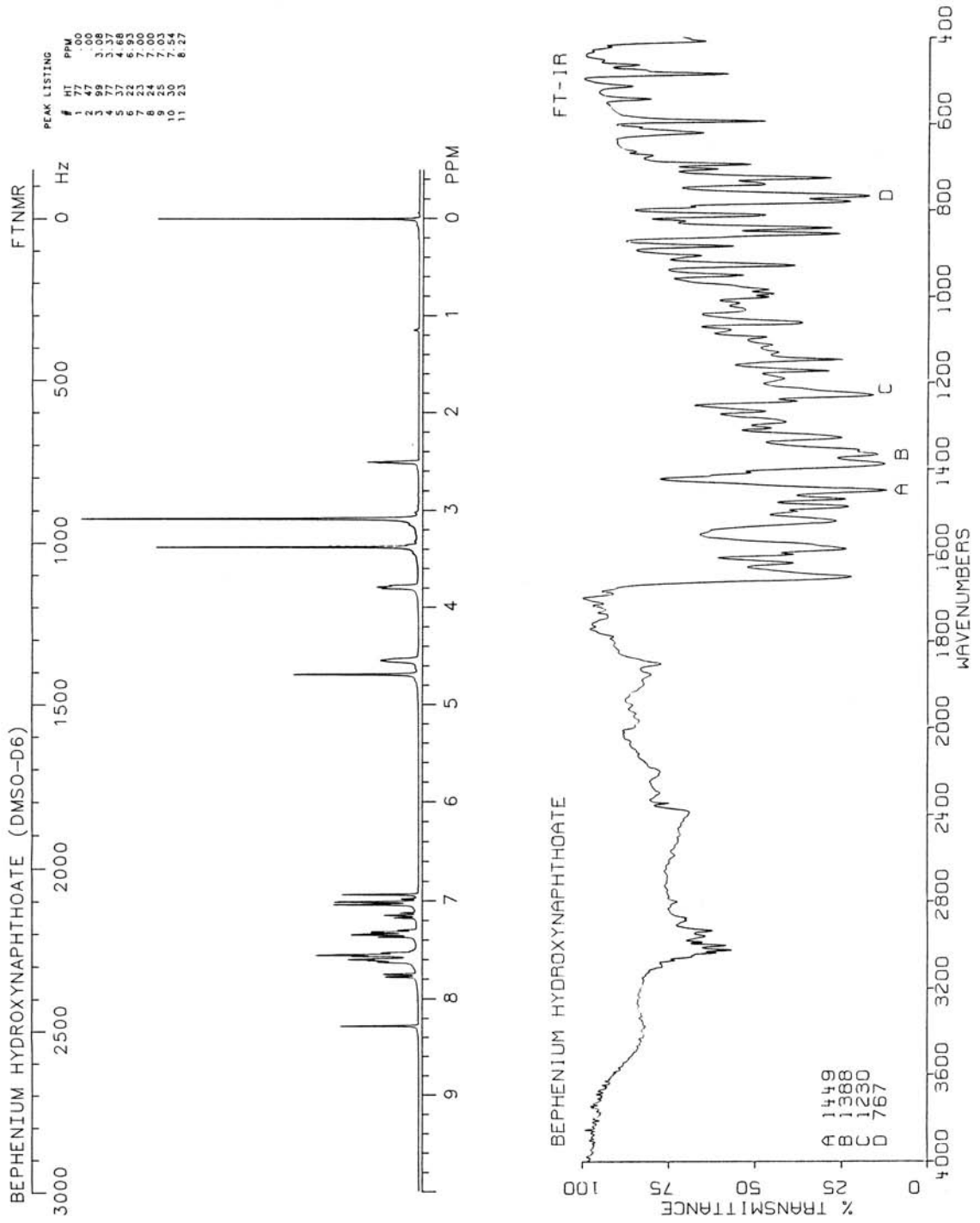
Use: Anthelmintic
HPLC: Si-10; 10A:90B; 5.8
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




BEPHENIUM HYDROXYNAPHTHOATE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 77 .00
2 47 .00
3 99 3.08
4 77 3.37
5 37 4.68
6 22 6.93
7 23 7.00
8 24 7.00
9 25 7.03
10 30 7.54
11 23 8.27
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
BEPHENIUM HYDROXYNAPHTHOATE
FT-IR
A 1449
B 1388
C 1230
D 767
A B C D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBERS

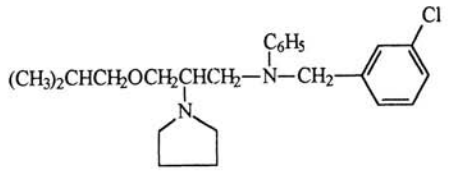
BEPRIDIL

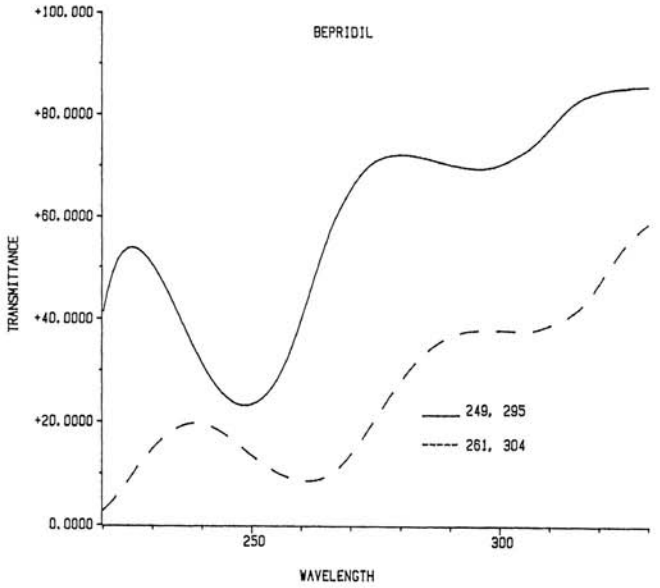
$C_{24}H_{34}N_2O$

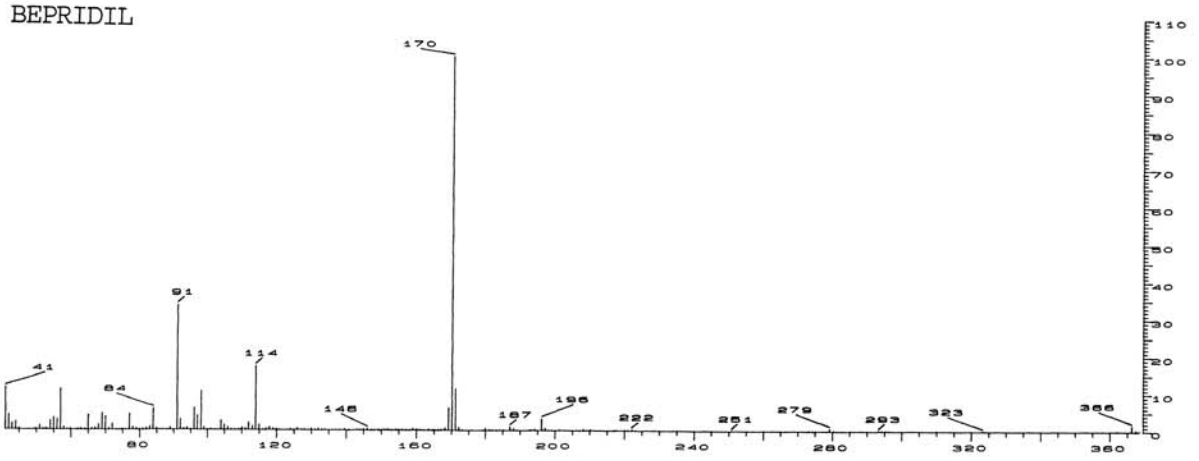
Molecular Weight: 366.55 (366.27)

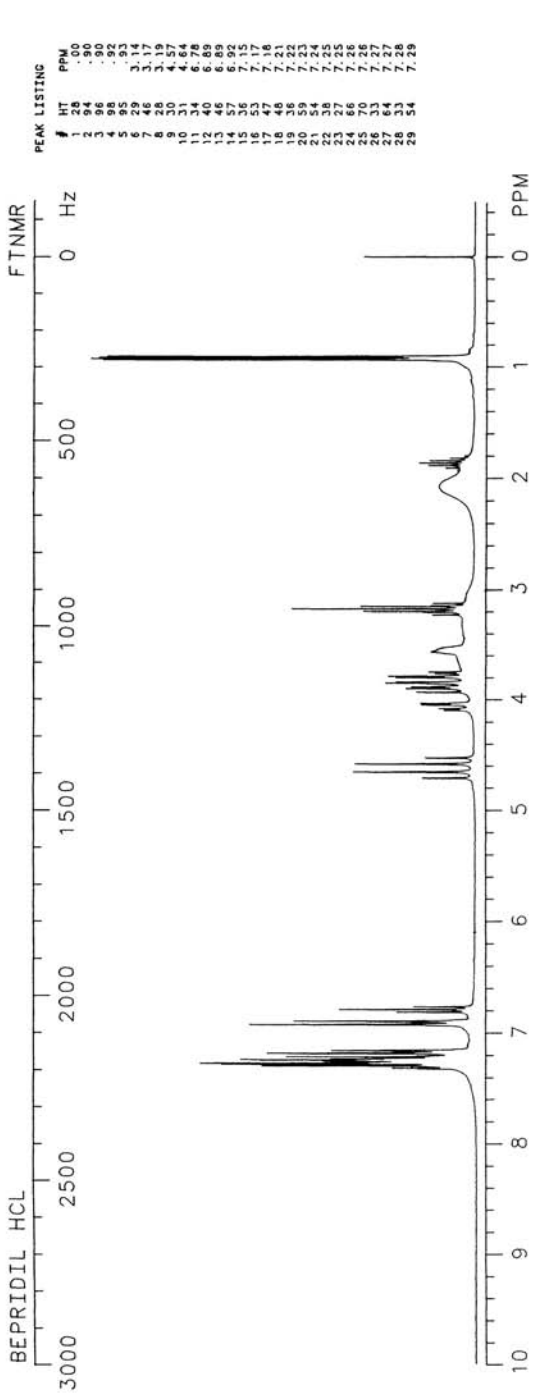
Synonyms: β-[(2-Methylpropoxy)methyl]-N-phenyl-N-(phenylmethyl)-1-pyrrolidineethanamine; 3-isobutoxy-2-pyrrolidino-N-phenyl-N-benzylpropylamine
Trade Names: Angopril, Bepadin, Cordium, Vascor
Use: Antianginal

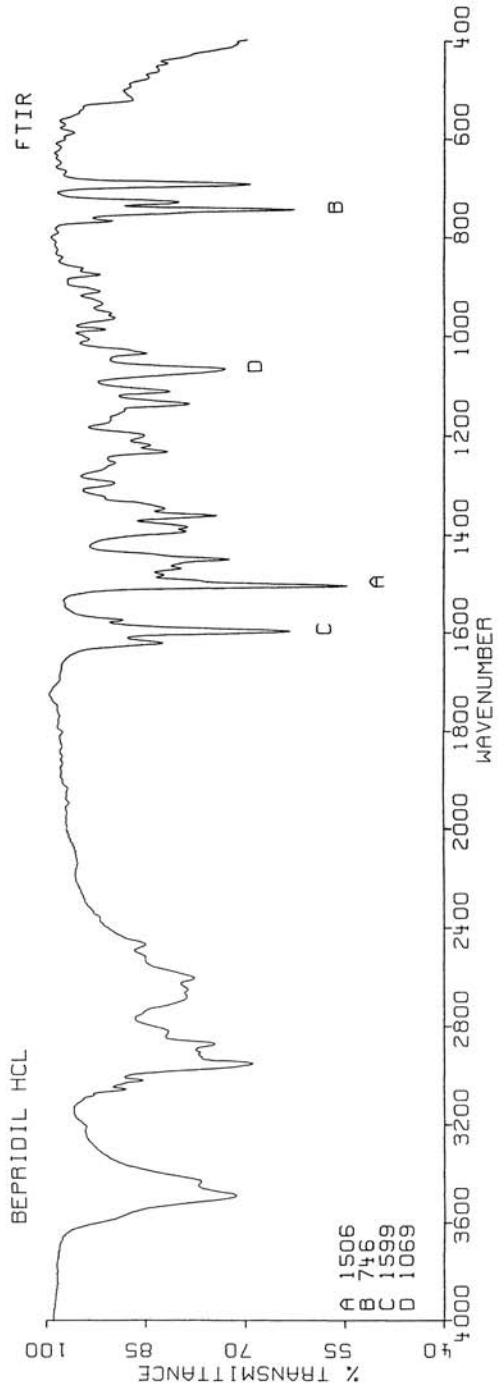
HPLC: Methanol: 2.0
GC: 2594; 280°








BEPRIDIL HCL
FTNMR
PEAK LISTING
HT PPM
1 28 .00
2 94 .90
3 96 .90
4 98 .92
5 85 3.13
6 29 3.14
7 46 3.17
8 28 3.19
9 30 4.57
10 31 4.64
11 34 6.78
12 40 6.89
13 40 6.89
14 57 6.92
15 36 7.15
16 53 7.17
17 47 7.18
18 46 7.21
19 58 7.22
20 59 7.23
21 54 7.24
22 38 7.25
23 27 7.25
24 66 7.26
25 30 7.26
26 51 7.27
27 64 7.27
28 33 7.28
29 54 7.29
0 Hz
500
1000
1500
2000
2500
3000
0 PPM
1
2
3
4
5
6
7
8
9
10

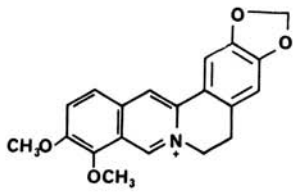

BEPRIDIL HCL
FTIR
A 1506
B 746
C 1599
D 1069
A
B
C
D
% TRANSMITTANCE
100
85
70
55
40
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

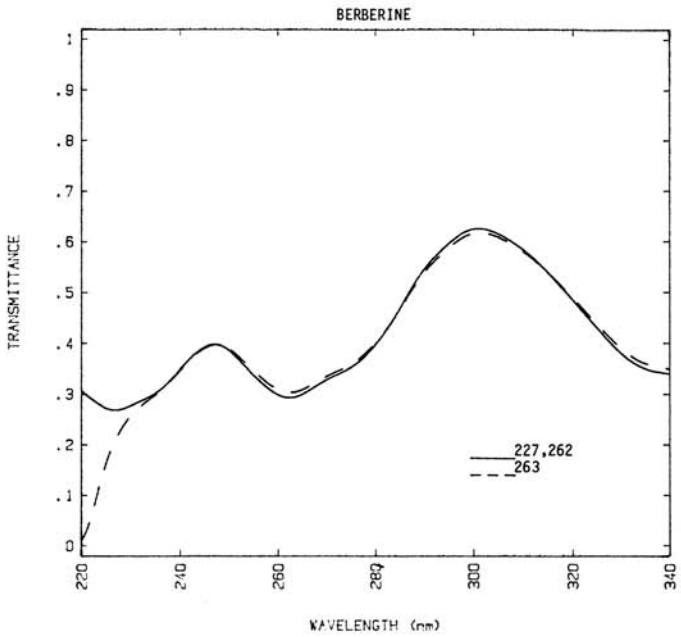
BERBERINE

$C_{20}H_{18}NO_4$

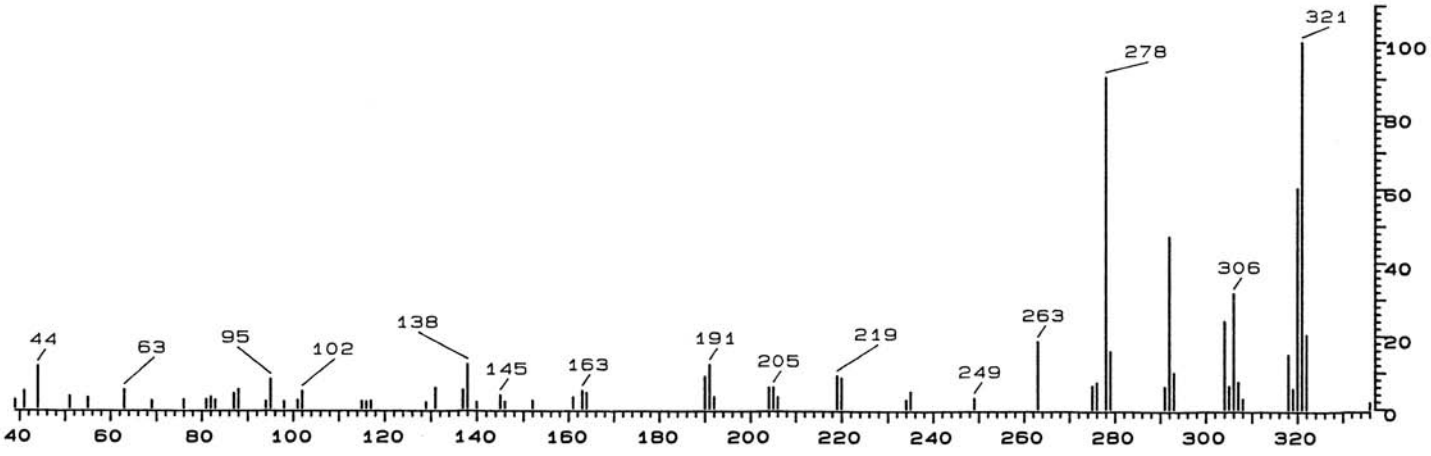
Molecular weight: 336.37 (336.12)
Synonyms: 5,6-Dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo-[5,6-a]quinolizinium; umbellatine
Trade names:

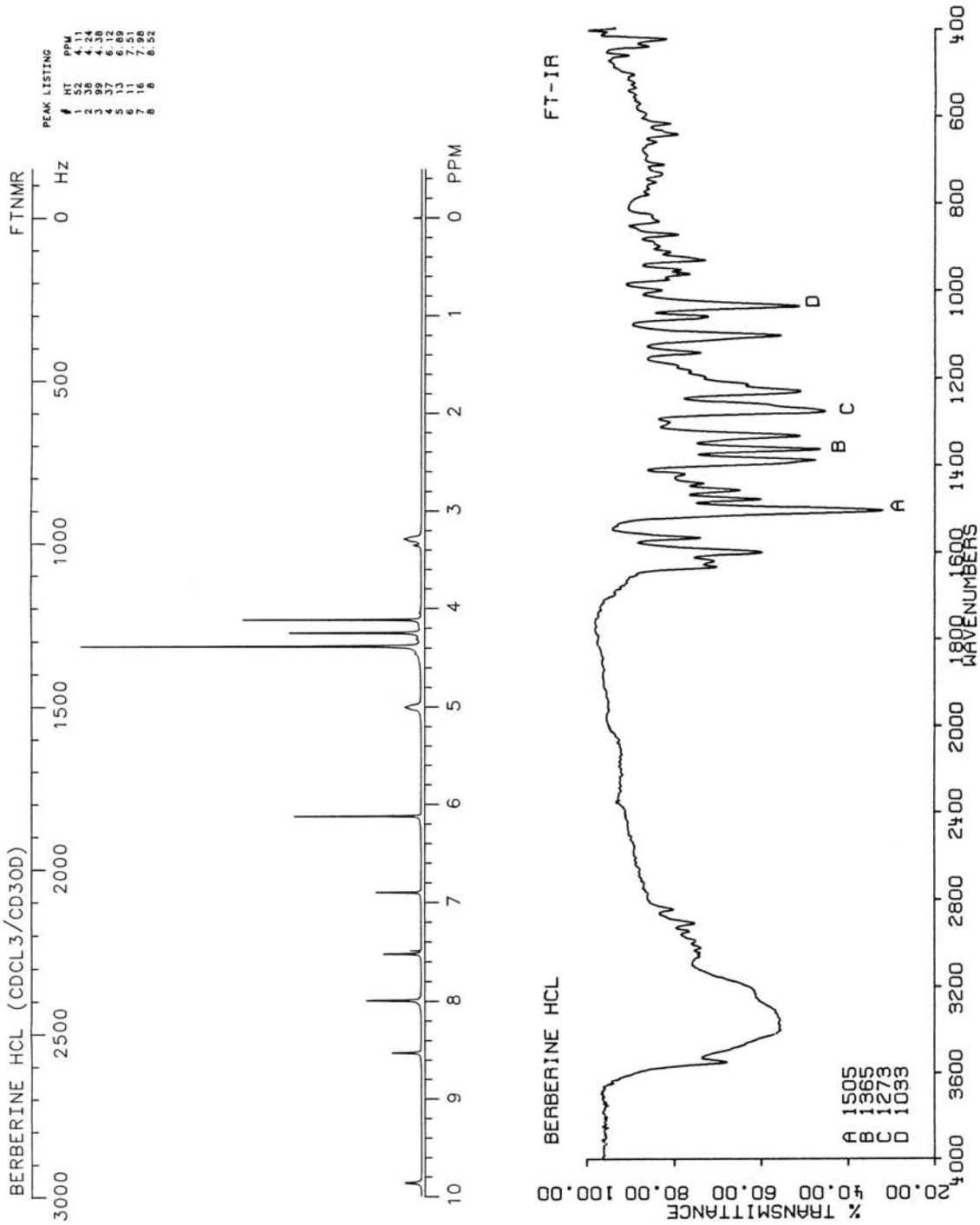
Use: Antibacterial, antimalarial, antipyretic
HPLC:
GC:





BERBERINE -- DIP




BERBERINE HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 52 4.11
2 36 4.24
3 99 4.38
4 37 6.12
5 53 6.89
6 11 7.51
7 16 7.98
8 8 8.52
10 9 8 7 6 5 4 3 2 1 0 PPM
BERBERINE HCL
FT-IR
A 1505
B 1365
C 1273
D 1033
A
B C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

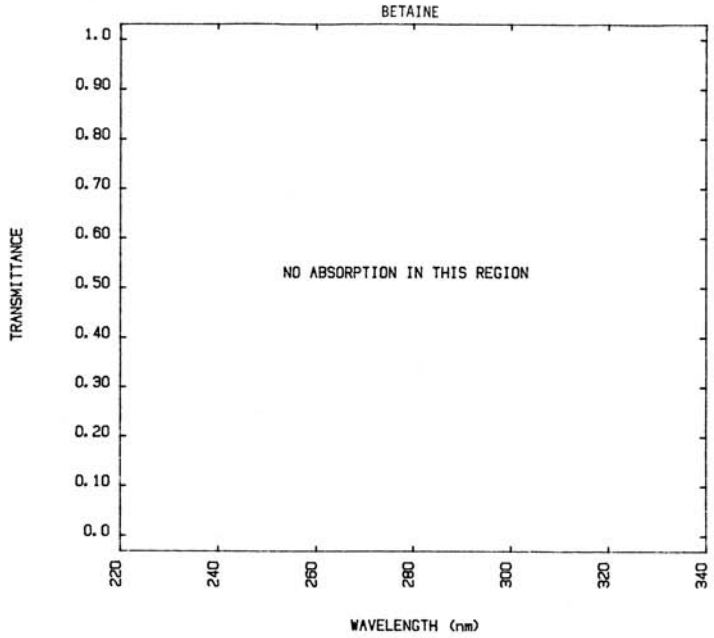
BETAINE

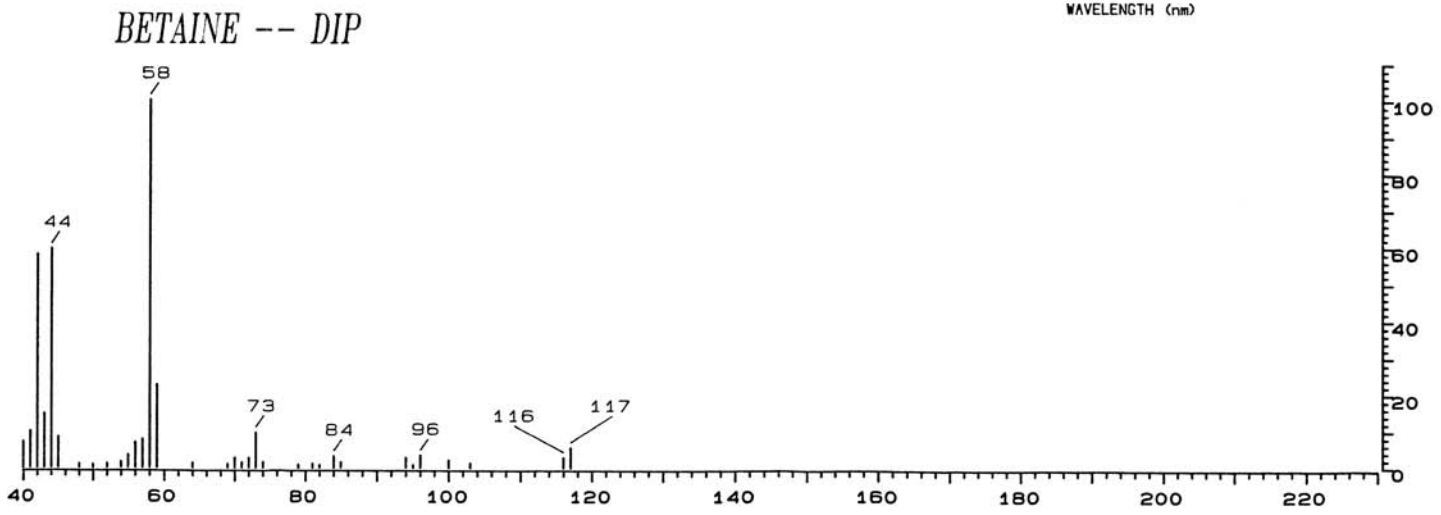
$C_5H_{11}NO_2$

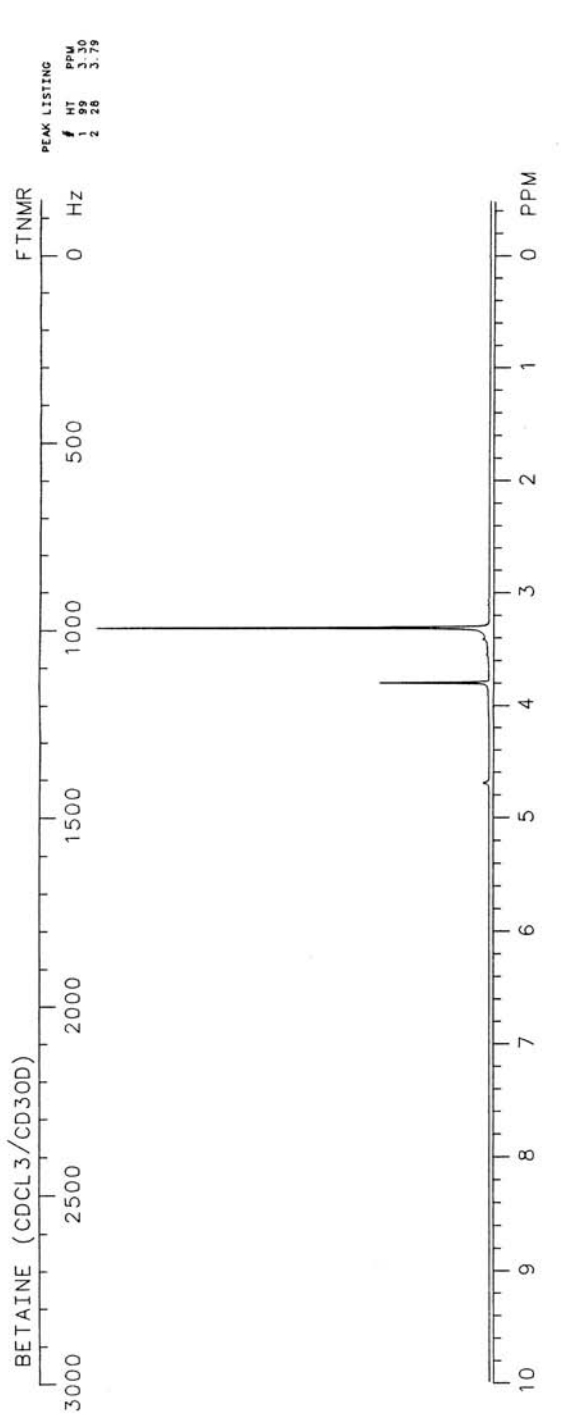
Molecular weight: 117.15 (117.08)
Synonyms: 1-Carboxy-N,N,N-trimethylmethanaminium hydroxyide inner salt; glycine betaine; oxyneurine; glycocoll betaine; lycine; trimethylglycine
Trade names: Betasyamine, Betacyamine, Kloref, Prevenzyme, Zypan

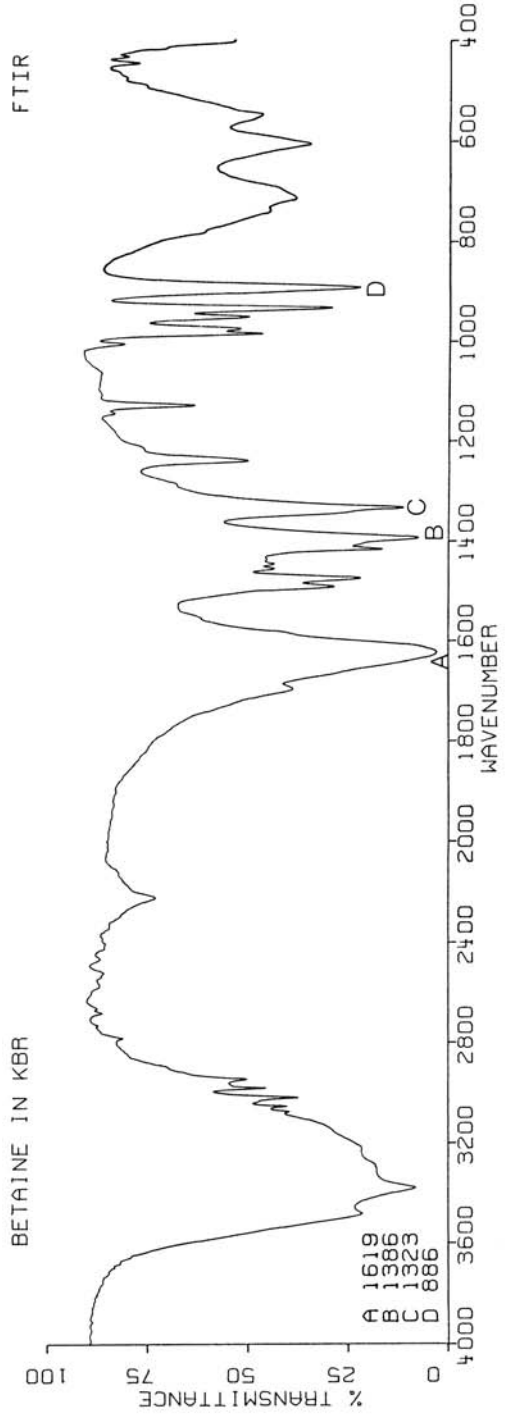
Use: Lipotropic, gastric acidifier
HPLC:
GC:

$(CH_3)_3\overset{+}{N}-CH_2-COO^-$





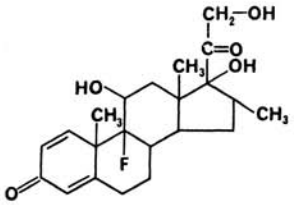

BETAINE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 3.30
2 28 3.79
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

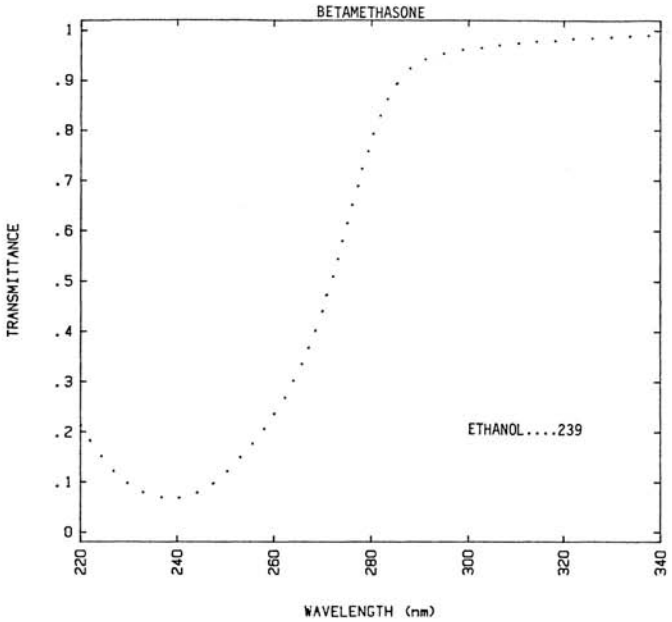

BETAINE IN KBR
FTIR
A 1619
B 1386
C 1323
D 886
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

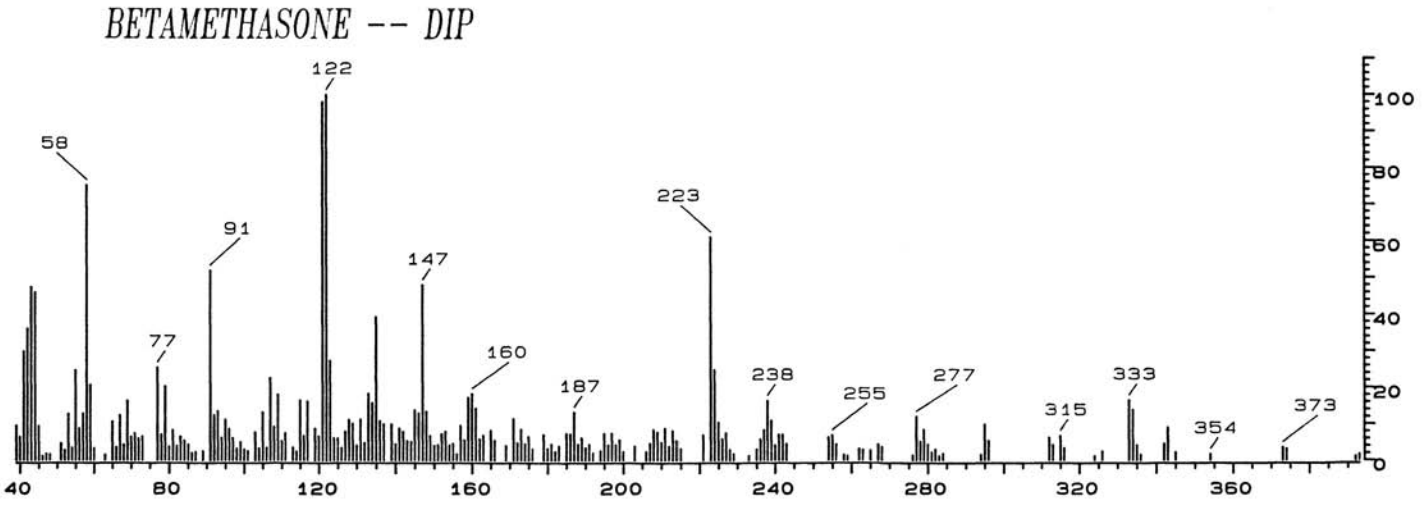
BETAMETHASONE

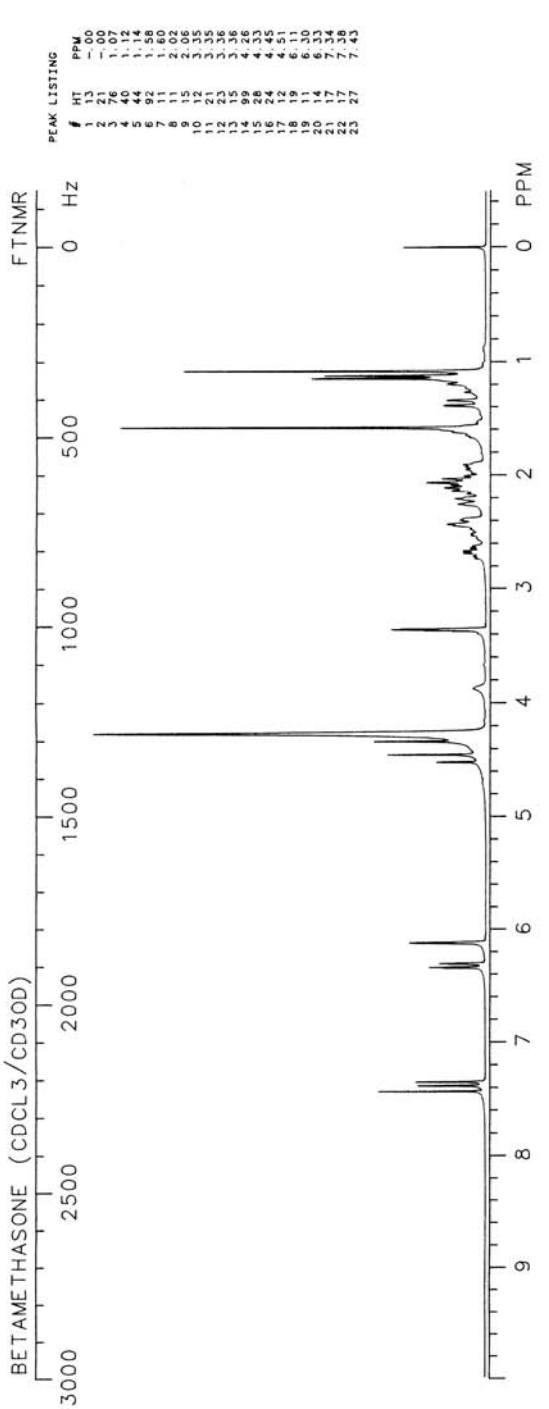
$C_{22}H_{29}FO_5$

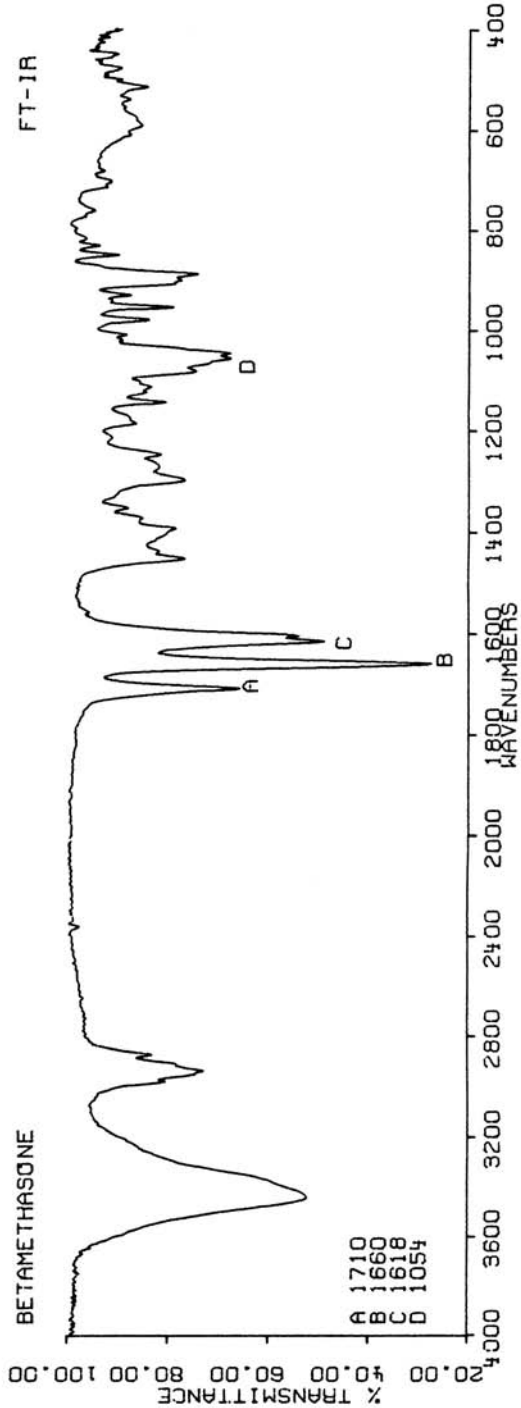
Molecular weight: 392.45 (392.20)
Synonyms: 9-Fluoro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione; betadexamethasone; flubenisolone; β-methasone
Trade names: Alphatrex, Betamethasone, Betatrex, Beta-Val, Celestone, Diprolene, Diprosone, Lotrisone, Uticort, Valisone
Use: Glucocorticoid
HPLC: Si-10; 2A:98B; 4.7
GC:








BETAMETHASONE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 13 -.00
2 21 -.00
3 76 1.07
4 40 1.12
5 44 1.14
6 92 1.58
7 11 1.60
8 11 2.02
9 15 2.06
10 12 3.35
11 21 3.35
12 23 3.36
13 15 4.26
14 99 4.33
15 28 4.45
16 24 4.51
17 12 6.11
18 19 6.30
19 11 6.33
20 14 7.34
21 17 7.38
22 17 7.43
23 27


FT-IR
BETAMETHASONE
A 1710
B 1660
C 1618
D 1054
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

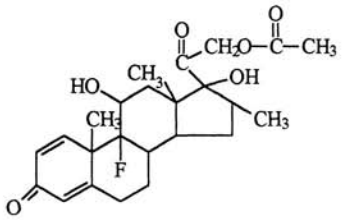
BETAMETHASONE-21-ACETATE

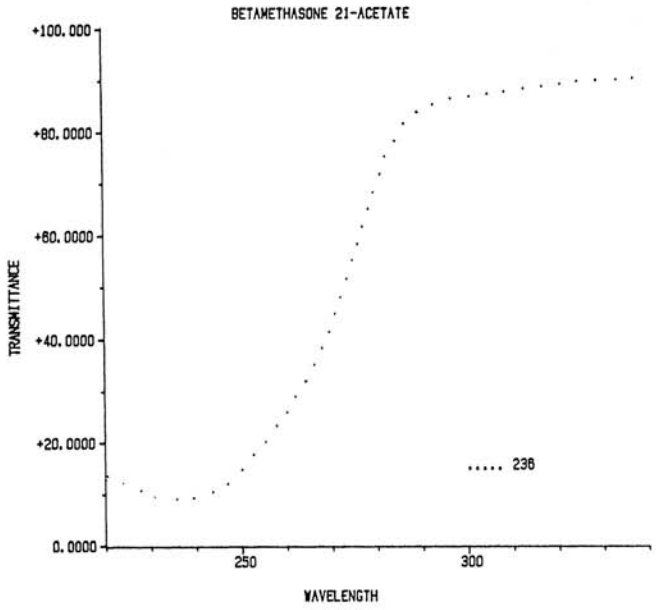
$C_{24}H_{31}FO_6$

Molecular Weight: 434.50 (434.21)

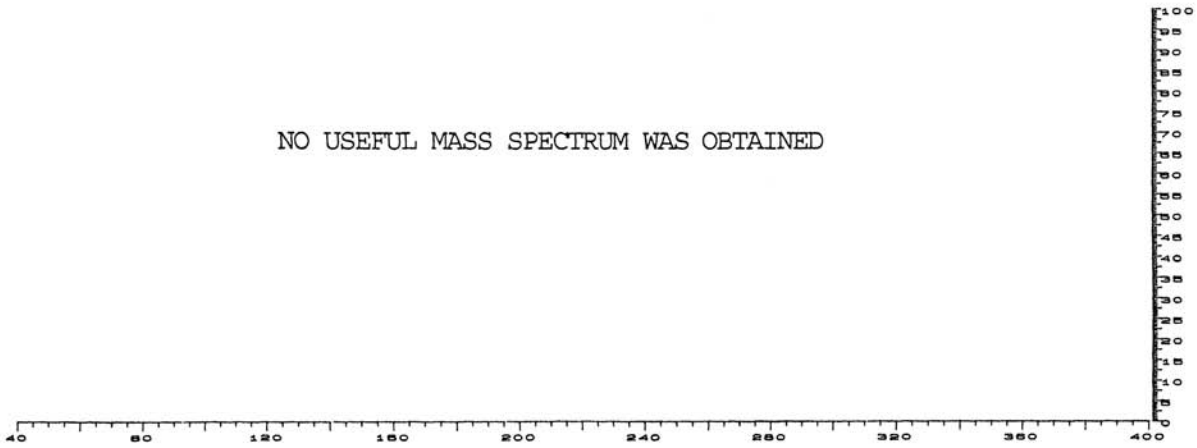
Synonyms: (9α-Fluoro-16β-methyl-11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione-21-acetate
Trade Names: Betafluorene
Use: Glucocorticoid

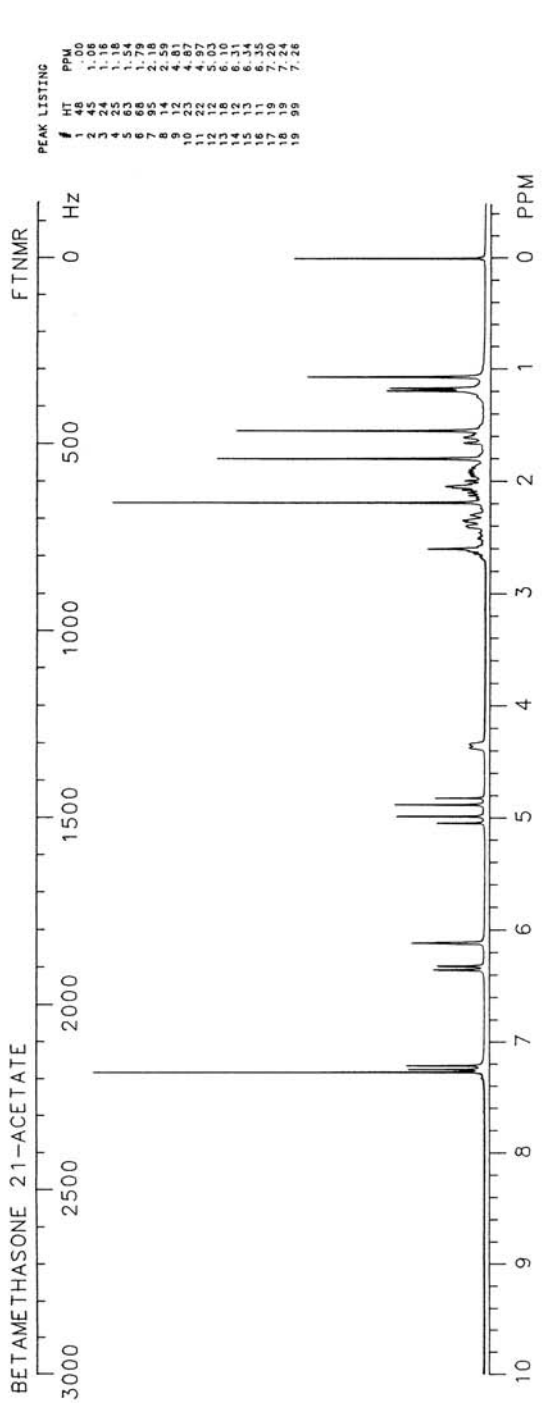
HPLC: Methanol: 2.7
GC:

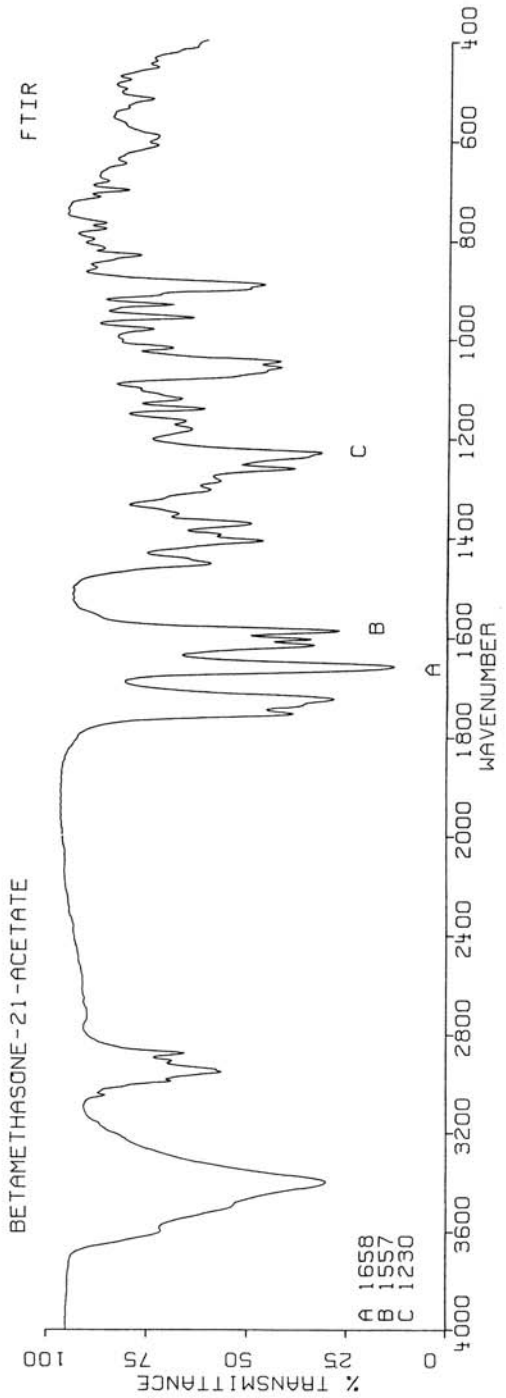




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
BETAMETHASONE 21-ACETATE
PEAK LISTING
HT PPM
1 48 1.00
2 45 1.08
3 24 1.16
4 25 1.18
5 63 1.54
6 68 1.79
7 95 2.18
8 14 2.59
9 12 4.81
10 23 4.87
11 12 5.03
12 12 5.07
13 18 6.10
14 12 6.31
15 13 6.34
16 11 6.35
17 19 7.20
18 19 7.24
19 99 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
BETAMETHASONE-21-ACETATE
A 1658
B 1557
C 1230
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

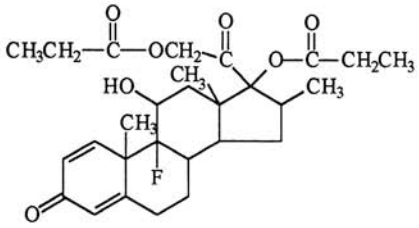
BETAMETHASONE-17,21-DIPROPIONATE

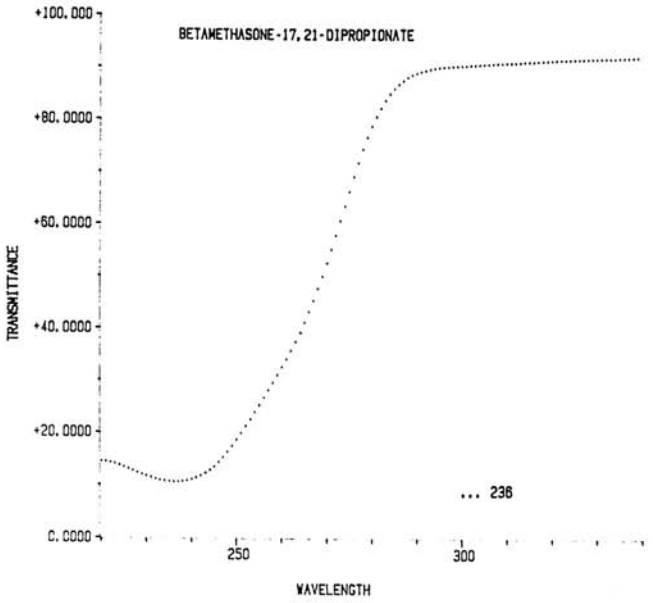
$C_{28}H_{37}FO_7$

Molecular Weight: 504.60 (504.25)

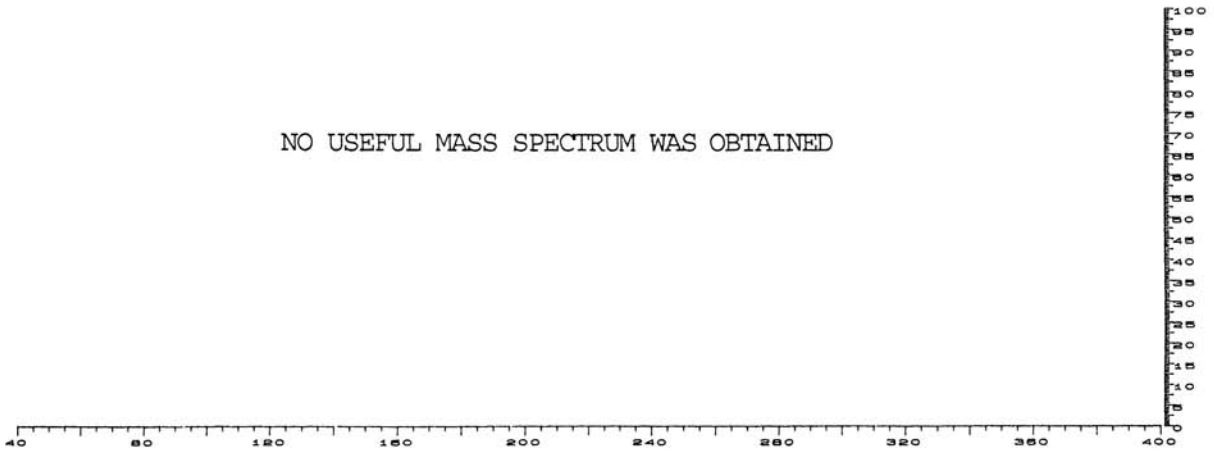
Synonyms: (9α-Fluoro-16β-methyl-11β,17α21-trihydroxy-1,4-pregnadiene-3,20-dione-17,21-dipropionate
Trade Names: Diproderm, Diprophos, Diprosis, Diprosone, Maxivate, Rinderon-DP
Use: Glucocorticoid

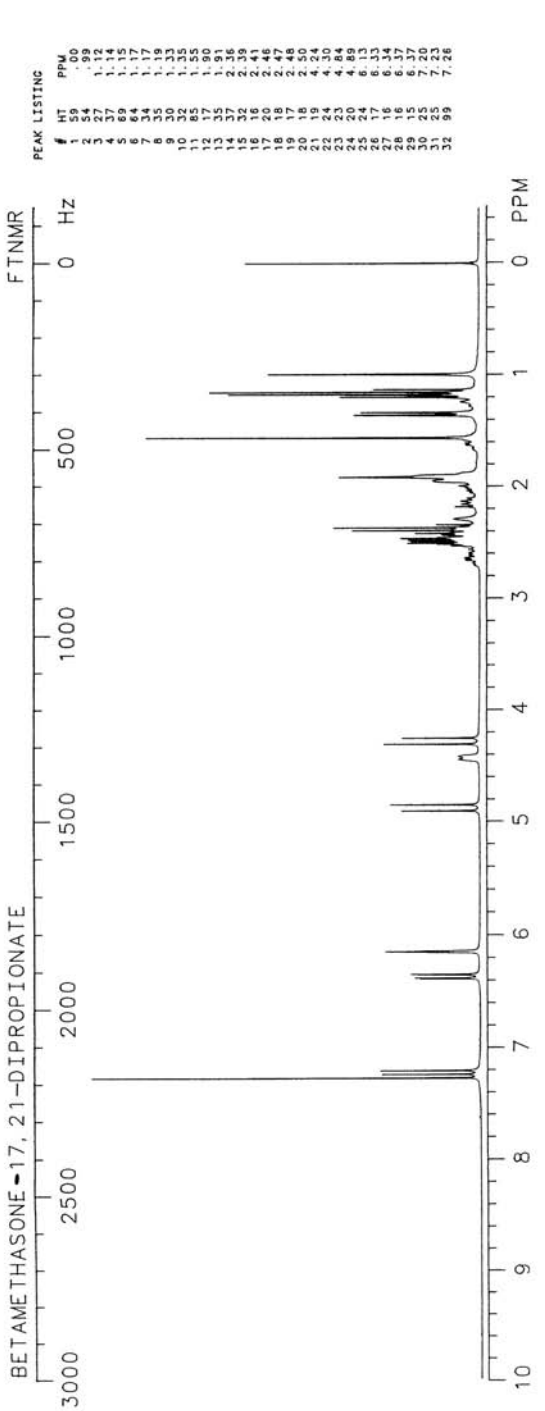
HPLC: Methanol: 2.7
GC:

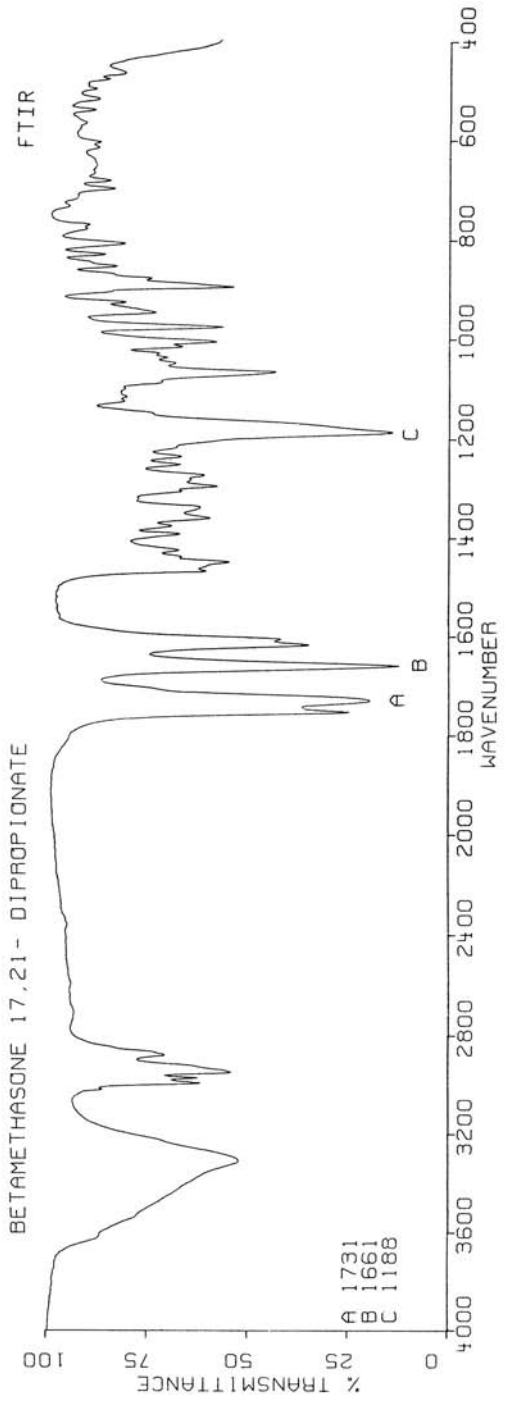




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
BETAMETHASONE-17, 21-DIPROPIONATE
PEAK LISTING
f HT PPM
1 59 .00
2 54 .99
3 27 1.12
4 37 1.14
5 69 1.15
6 64 1.17
7 34 1.17
8 35 1.19
9 30 1.33
10 32 1.35
11 85 1.55
12 17 1.80
13 35 1.91
14 37 2.36
15 32 2.39
16 16 2.41
17 20 2.46
18 18 2.47
19 17 2.58
20 16 2.60
21 19 2.84
22 24 4.30
23 23 4.84
24 20 4.89
25 24 6.13
26 17 6.33
27 16 6.34
28 16 6.37
29 15 6.37
30 25 7.20
31 25 7.23
32 99 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
BETAMETHASONE 17,21- DIPROPIONATE
A 1731
B 1661
C 1188
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

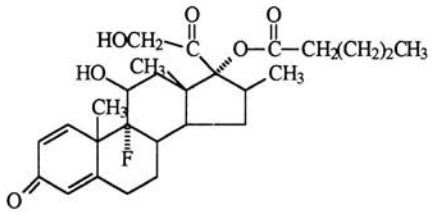
BETAMETHASONE-17-VALERATE

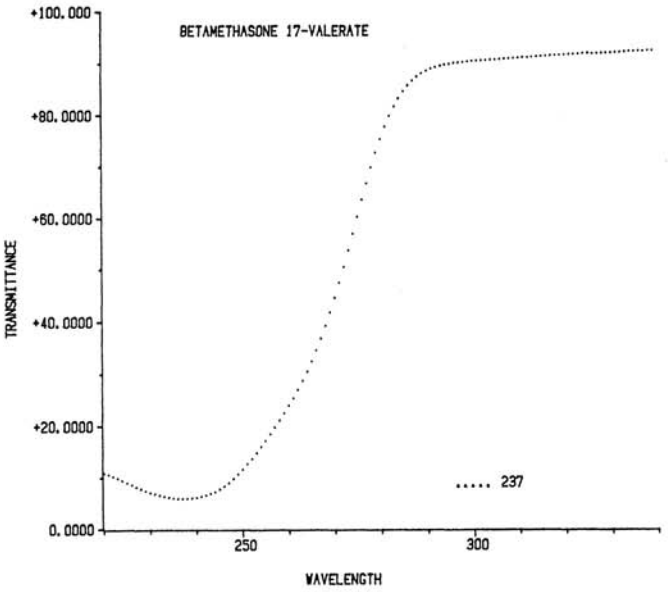
$C_{27}H_{37}FO_6$

Molecular Weight: 476.59 (476.26)

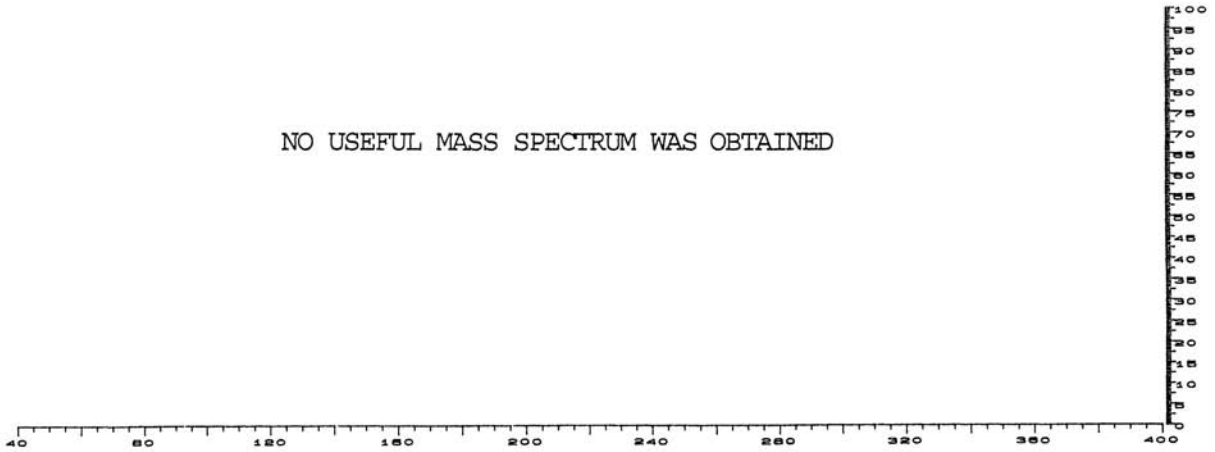
Synonyms: 9α-fluoro-16β-methyl-11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione-17-valerate; 9α-fuoro-16β-methylprednisolone-17-valerate;
Trade Names: Bedermin, Betnesol-V, Betneval, Betnovate, Bextasol, Celestan-V, Celestoderm-V, Dermosol, Dermovaleas, Ecoval-70, Hormezon, Tokuderm, Valisone
Use: Glucocorticoid

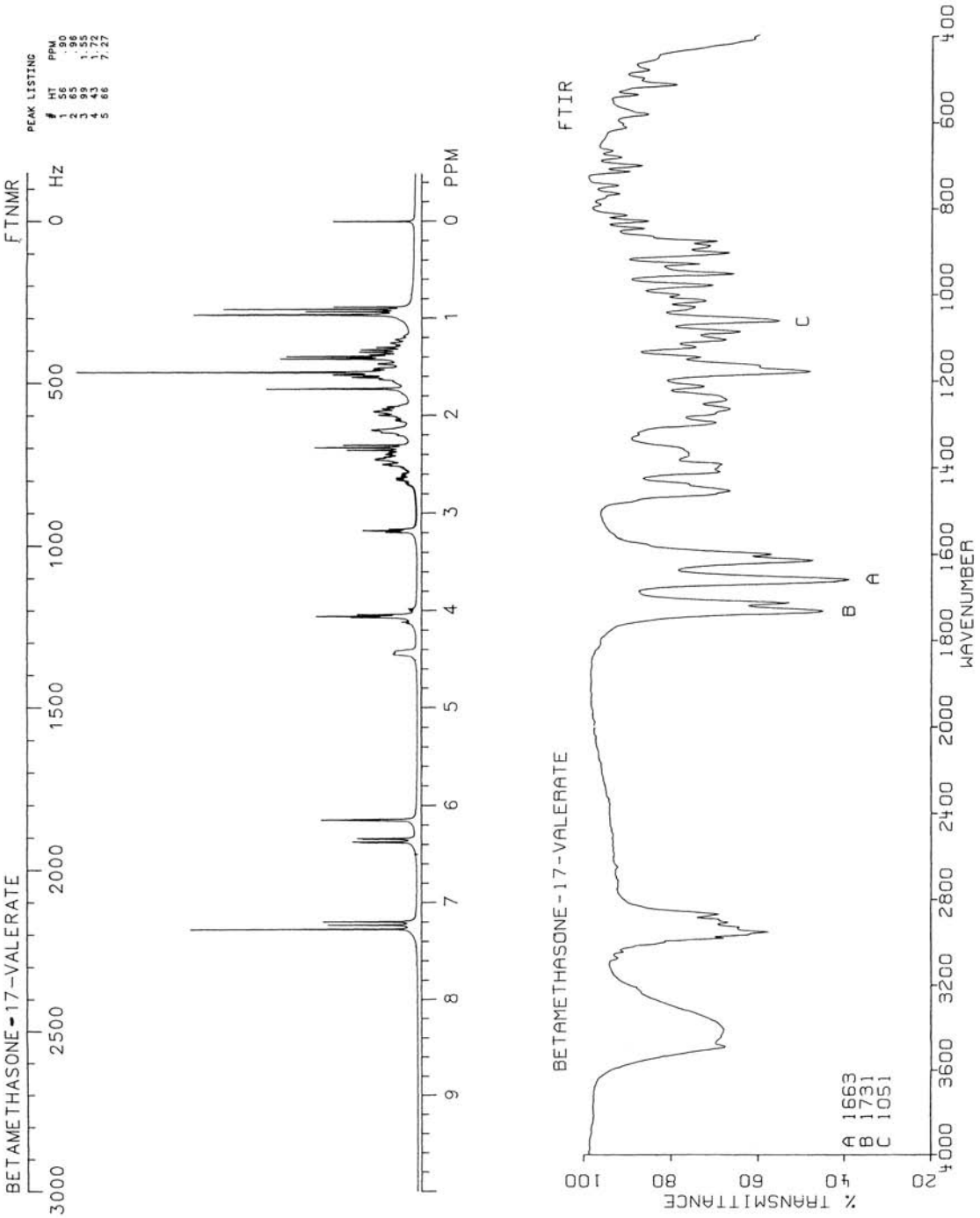
HPLC: Methanol: 2.6
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




BETAMETHASONE-17-VALERATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 55 .90
2 65 1.96
3 99 1.55
4 43 1.72
5 66 7.27
BETAMETHASONE-17-VALERATE
FTIR
A 1663
B 1731
C 1051
A
B
C
100
80
60
40
20
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

BETAXOLOL

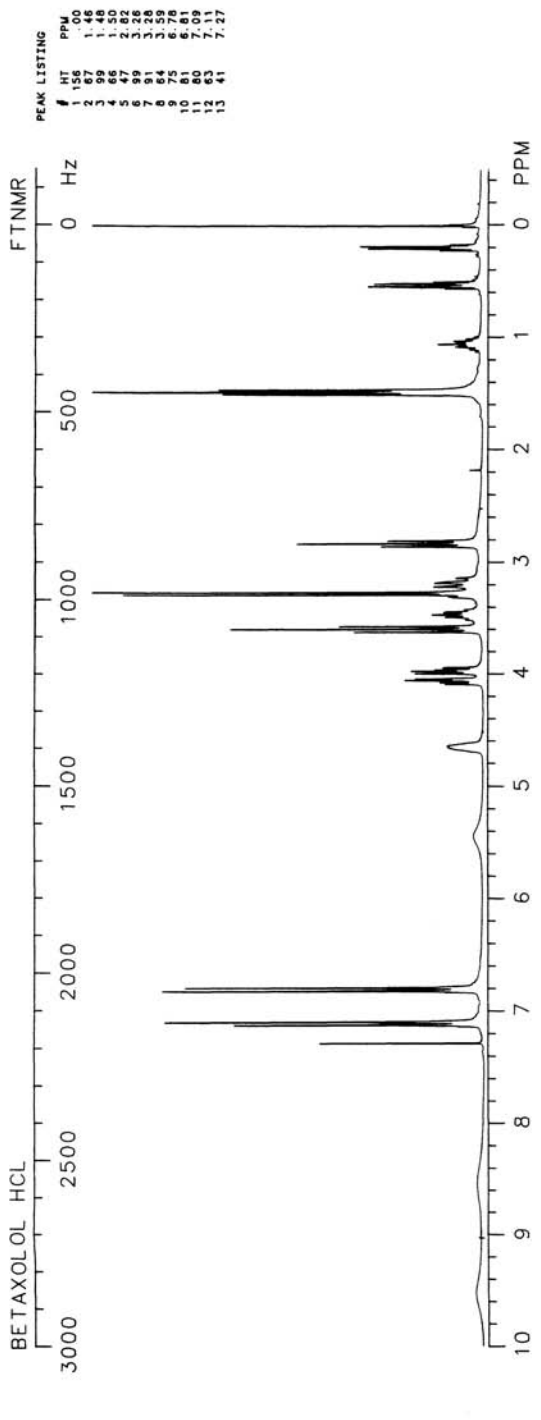
$C_{18}H_{29}NO_3$

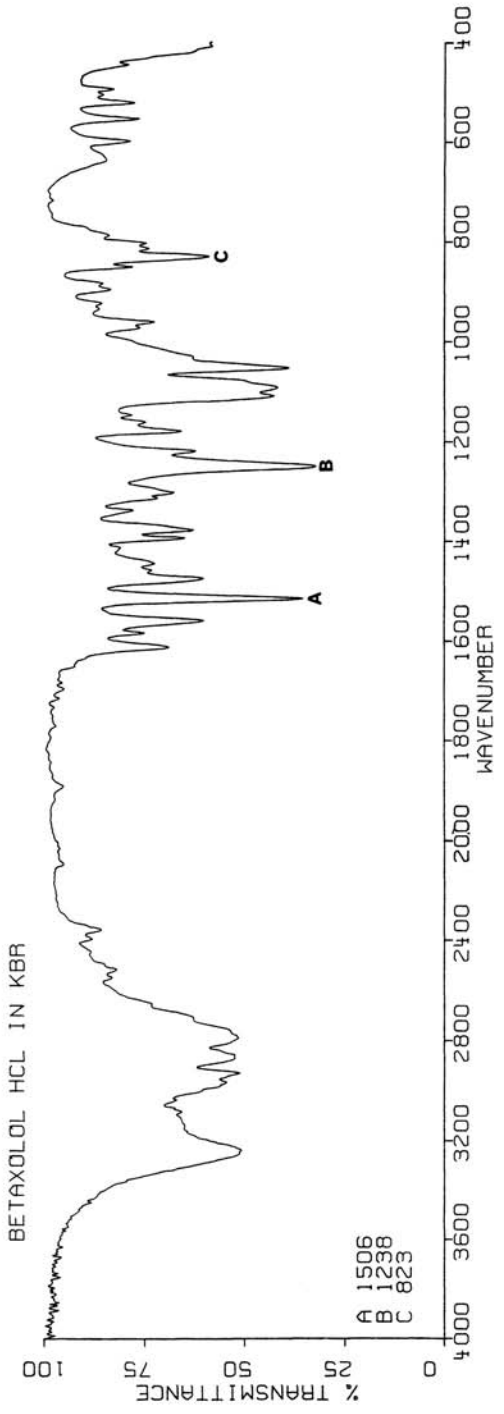
Molecular weight: 307.44 (307.22)

Synonyms: 1-[4-[2-(Cyclopropylmethoxy)ethyl]phenoxy]-3-[(1-methylethyl)-amino]-2-propanol

Trade names: Betoptic, Betoptima, Kerlone

Use: Antihypertensive
HPLC: 70A:30B; 2.7
GC: 2368; 250'

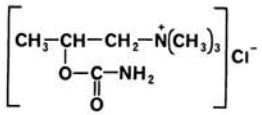

BETAXOLOL HCL
FTNMR
PEAK LISTING
HT PPM
1 156 1.00
2 67 1.46
3 97 1.48
4 66 1.50
5 47 2.82
6 99 3.26
7 91 3.28
8 64 3.59
9 75 6.78
10 81 6.81
11 80 7.09
12 63 7.11
13 41 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

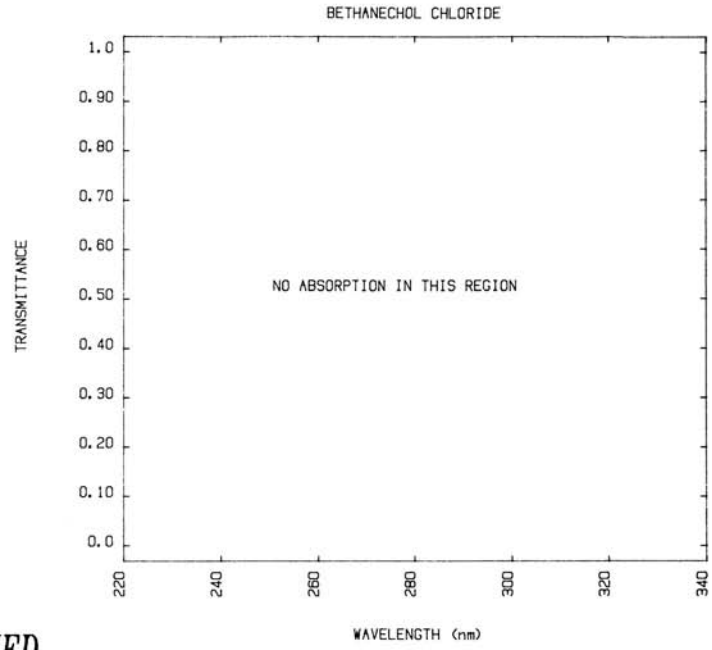

BETAXOLOL HCL IN KBR
A 1506
B 1238
C 823
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

BETHANECHOL CHLORIDE

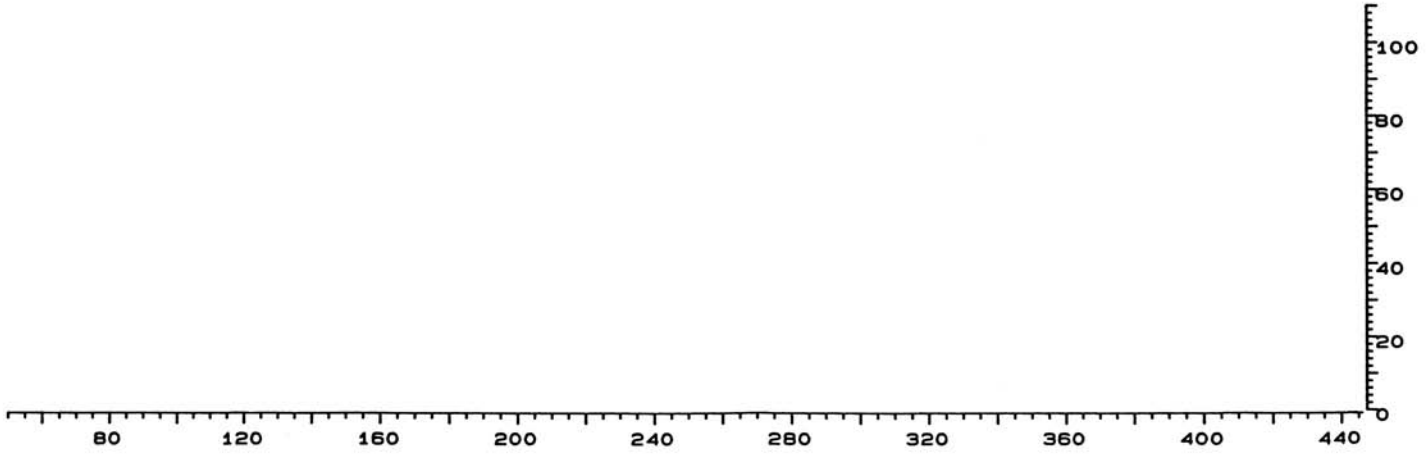
$C_7H_{17}ClN_2O_2$

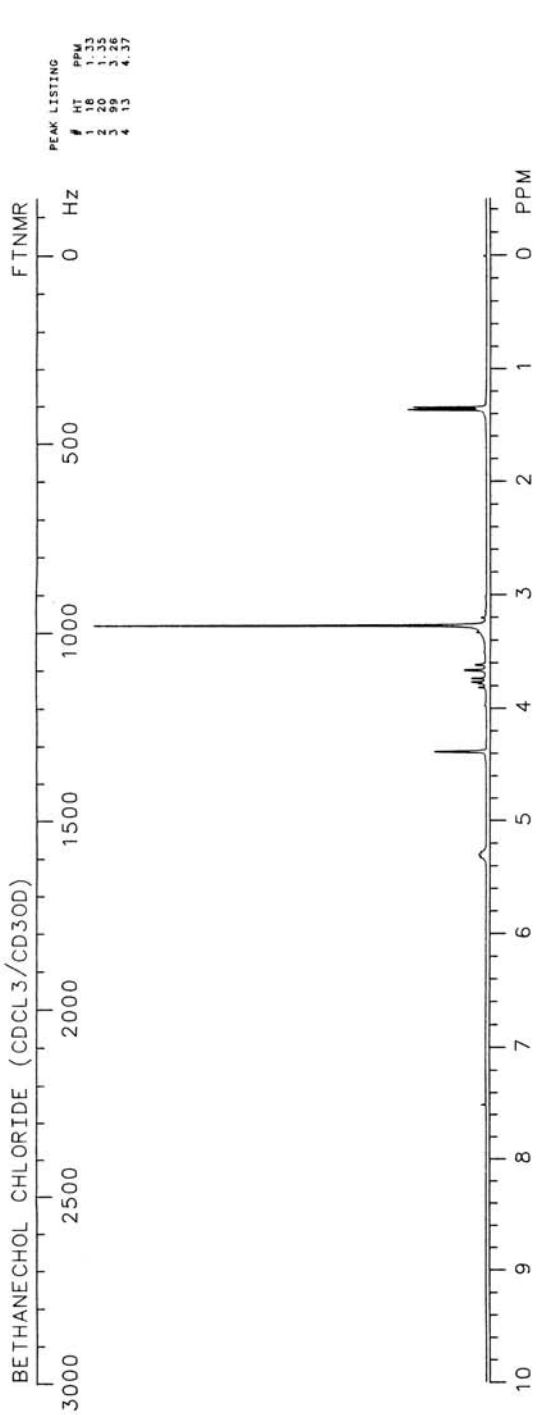
Molecular weight: 196.68 (196.10)
Synonyms: 2-[(Aminocarbonyl)oxy]-N,N,N-trimethyl-1-propanamium chloride
Trade names: Bethanechol Chloride, Duvoid, Myotonachol, Urecholine, Vesicholine
Use: Cholinergic
HPLC:
GC:

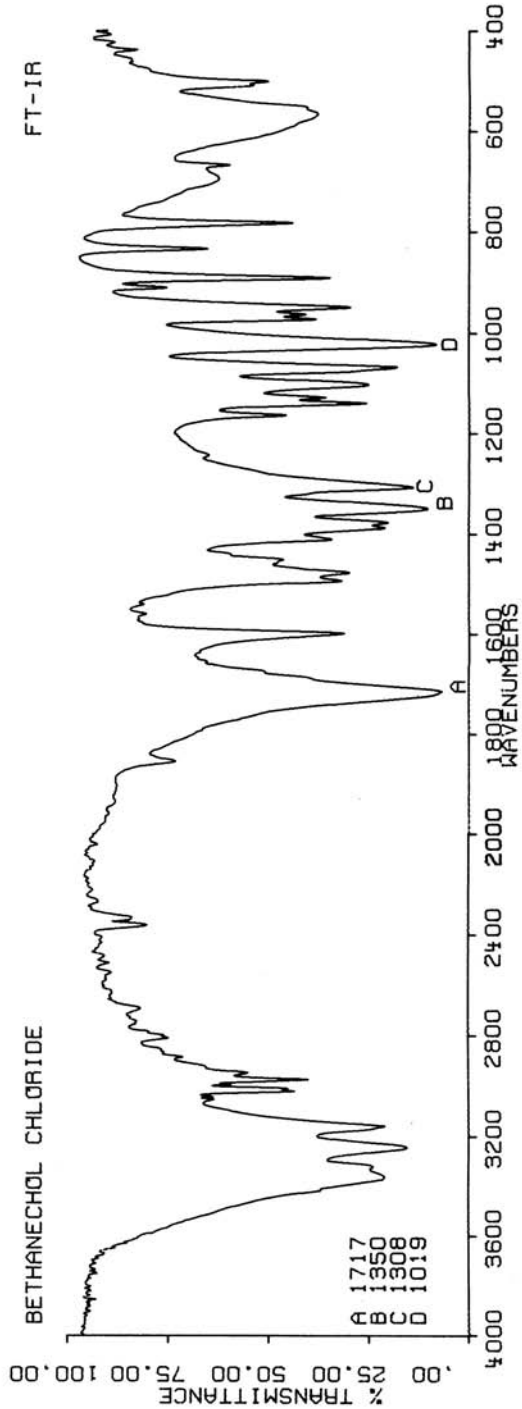




NO USEFUL MASS SPECTRUM WAS OBTAINED




BETHANECHOL CHLORIDE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 18 1.33
2 20 1.35
3 99 3.26
4 13 4.37
0 1 2 3 4 5 6 7 8 9 10 PPM


BETHANECHOL CHLORIDE
FT-IR
% TRANSMITTANCE
100.00 75.00 50.00 25.00 .00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D
A 1717
B 1350
C 1308
D 1019

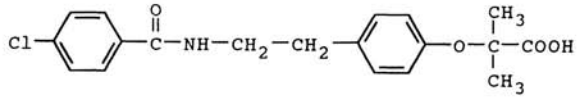
BEZAFIBRATE

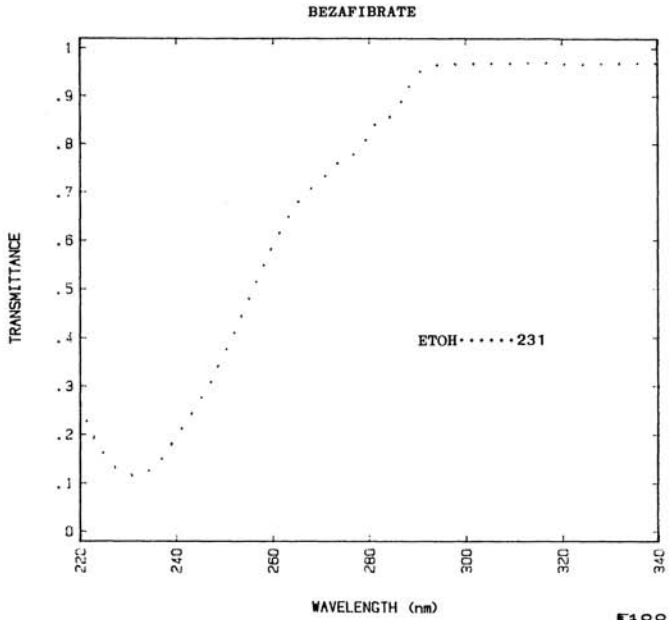
$C_{19}H_{20}ClNO_4$

Molecular weight: 361.83 (361.11)

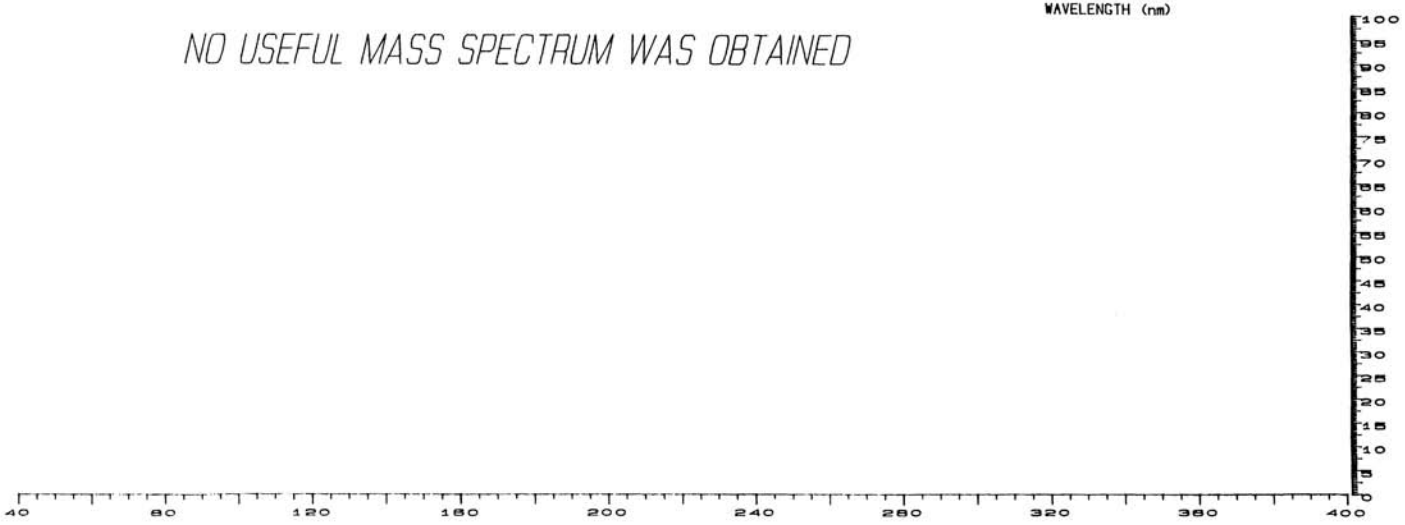
Synonyms: 2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoic acid
Trade names: Befizal, Bezalip, Bezatol, Cedur, Difaterol

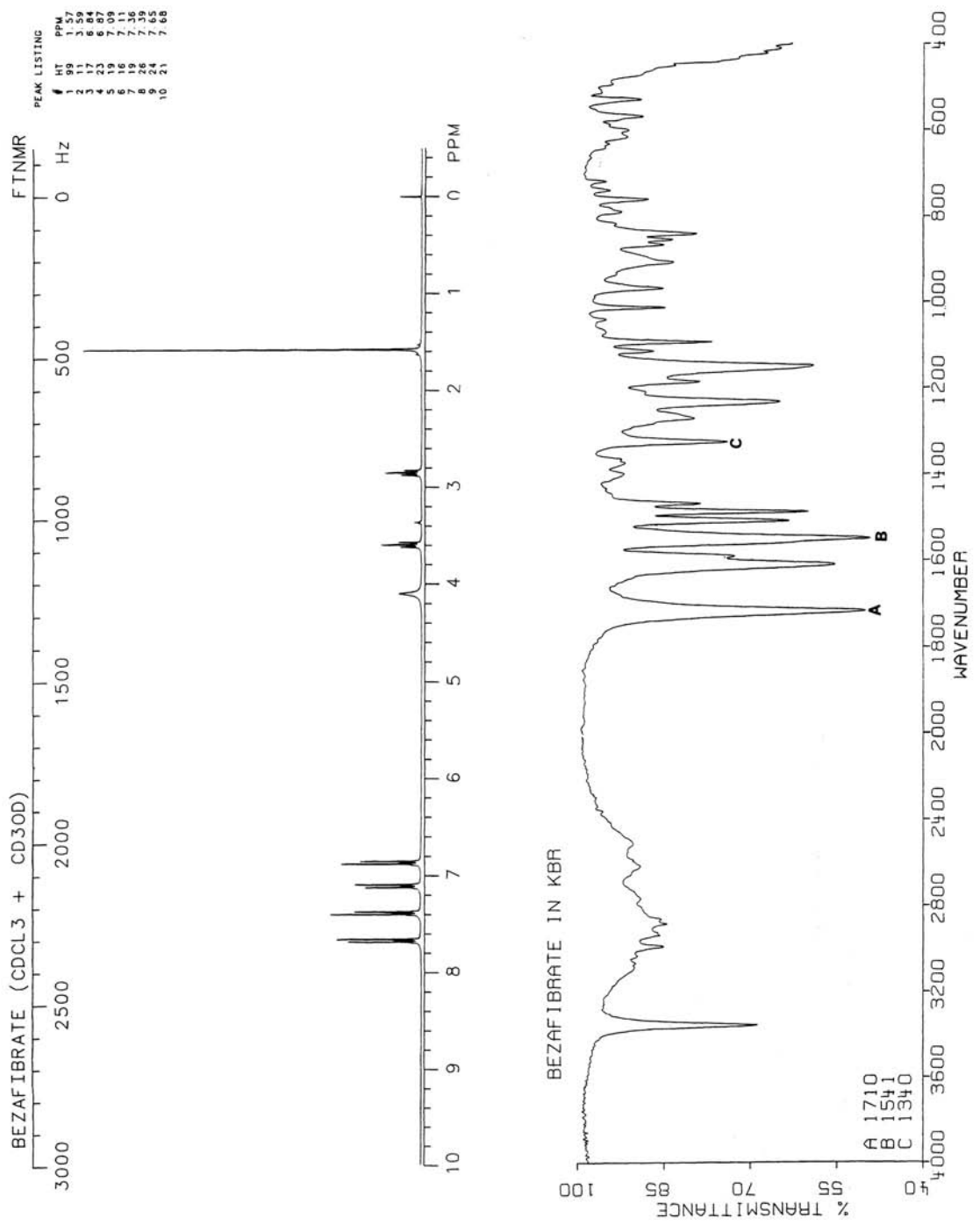
Use: Antihyperlipoproteinemic
HPLC: 70A:30B; 2.7
GC: 2620; 280°





NO USEFUL MASS SPECTRUM WAS OBTAINED




BEZAFIBRATE (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 69 7.87
2 11 3.59
3 17 6.84
4 23 6.87
5 19 7.09
6 16 7.11
7 19 7.36
8 26 7.39
9 24 7.65
10 21 7.68
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BEZAFIBRATE IN KBR
A 1710
B 1541
C 1340
A
B
C
100 85 70 55 40
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

BIFONAZOLE

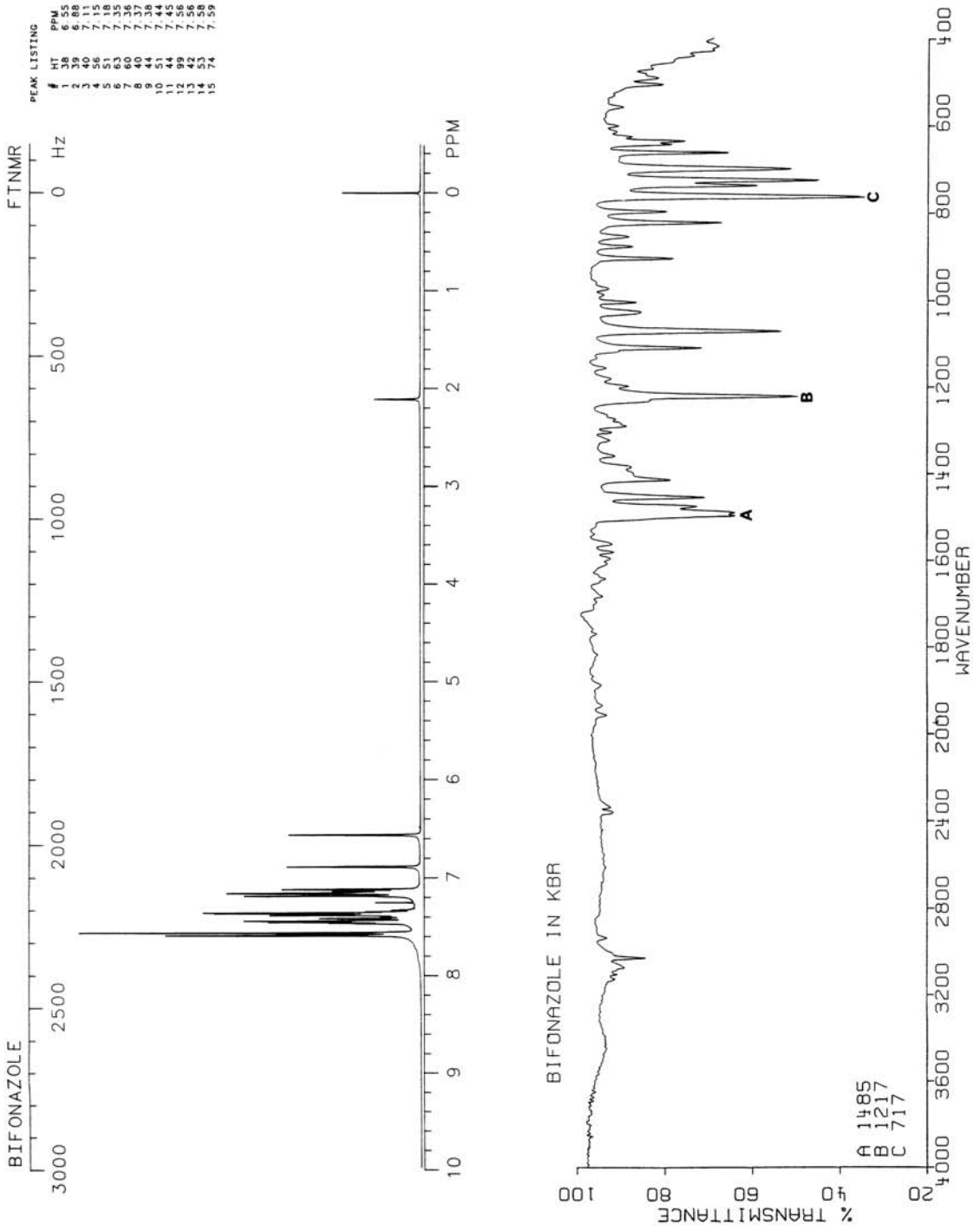
$C_{22}H_{18}N_2$

Molecular weight: 310.39 (310.15)

Synonyms: 1-([1,1'-Biphenyl]-4-ylphenylmethyl)-1H-imidazole

Trade names: Amycor, Azolmen, Bedriol, Mycospor, Mycosporan

Use: Antifungal
HPLC: 80A:20C; 3.5
GC: 2935; 280°

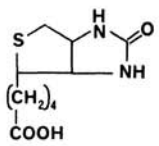

BIFONAZOLE
FTNMR
PEAK LISTING
HT PPM
1 38 6.55
2 39 6.88
3 40 7.11
4 56 7.15
5 51 7.18
6 63 7.35
7 60 7.36
8 40 7.37
9 44 7.38
10 51 7.44
11 44 7.45
12 49 7.56
13 42 7.56
14 53 7.58
15 74 7.59
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BIFONAZOLE IN KBR
A 1485
B 1217
C 717
A
B
C
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

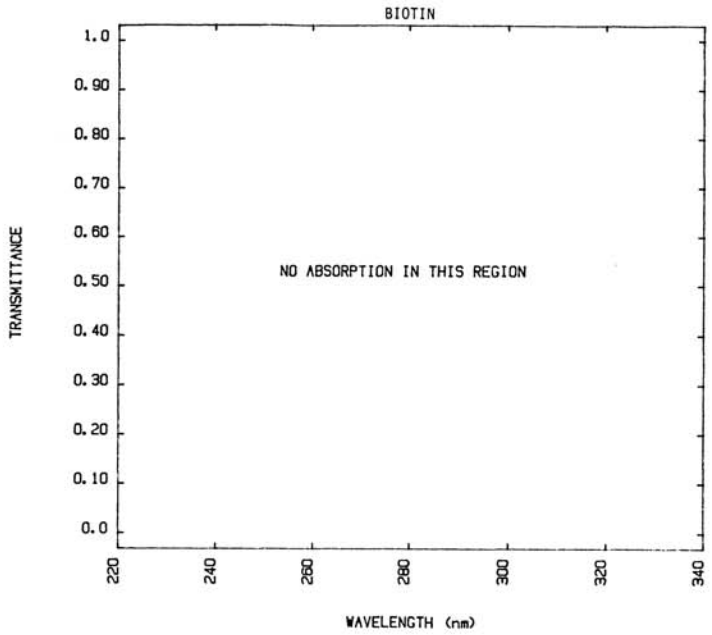
BIOTIN

$C_{10}H_{16}N_2O_3S$

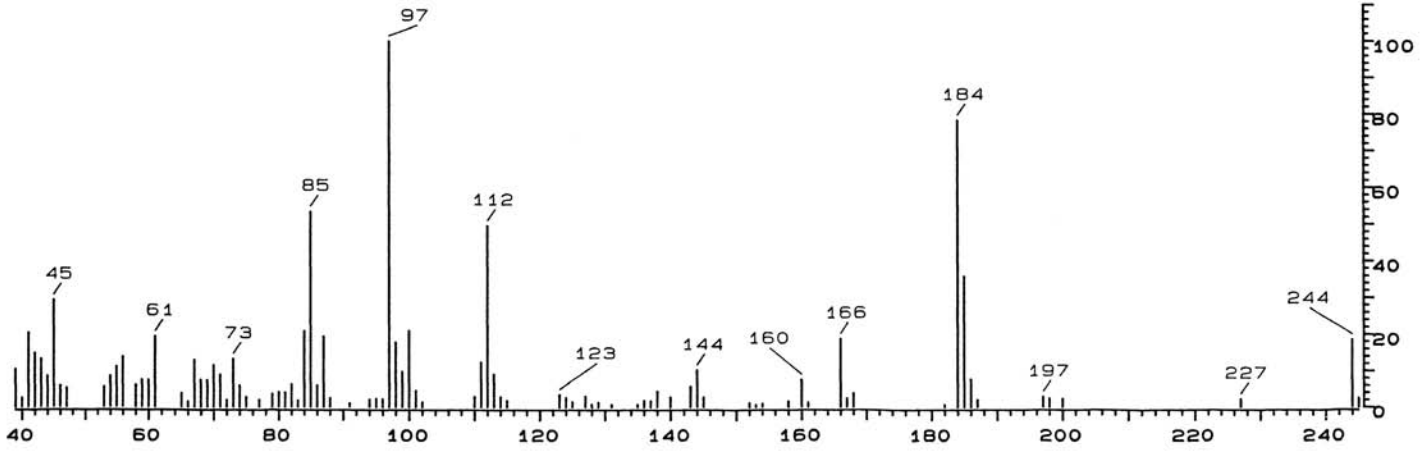
Molecular weight: 244.31 (244.09)
Synonyms: Hexahydro-2-oxo-1H-thienol[3,4-d]imidazole-4-pentanoic acid; vitamin H; coenzyme R
Trade names: Biotin, Lipo-B-C, Mega-B, Megadose

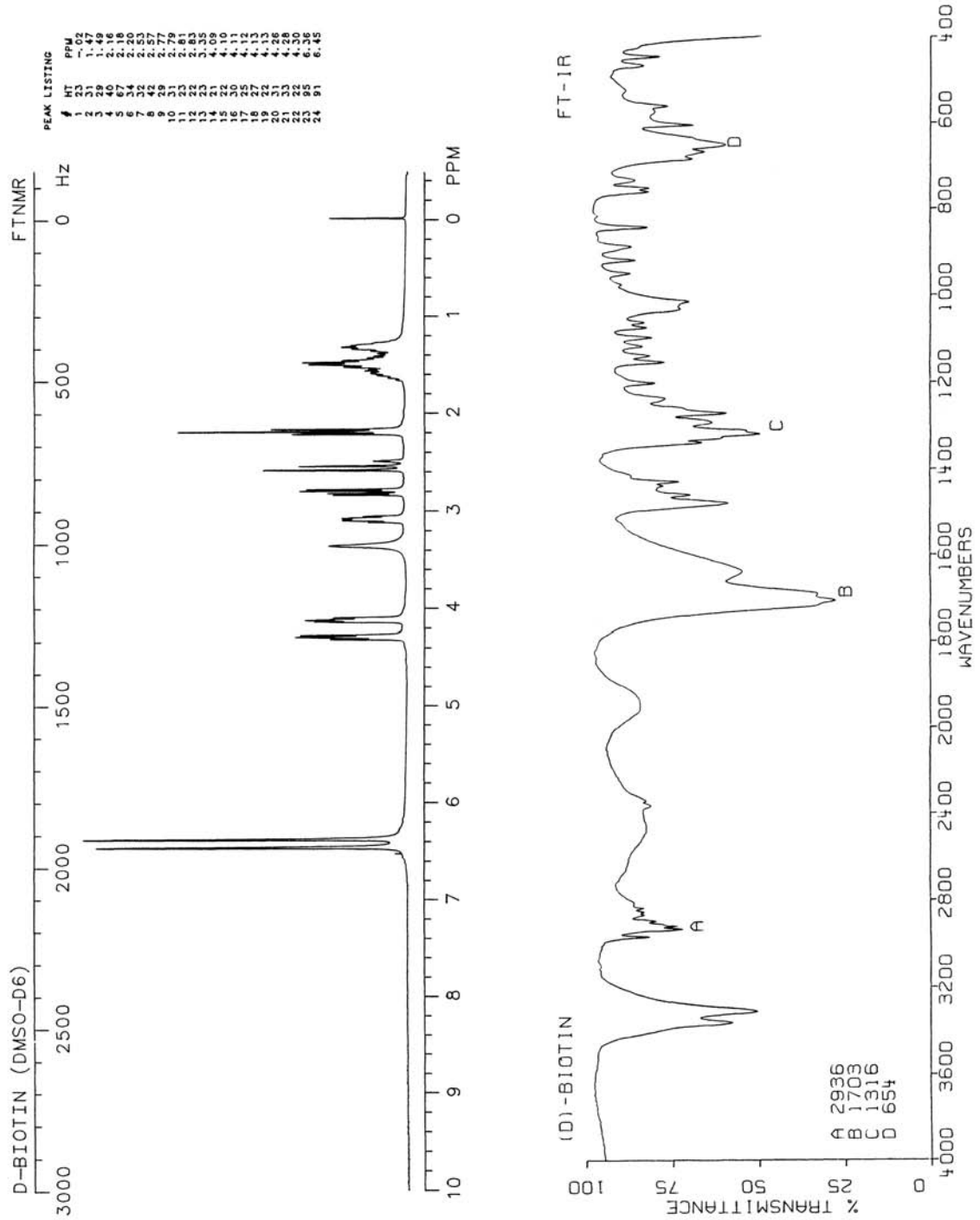
Use: Vitamin
HPLC:
GC:





BIOTIN -- DIP



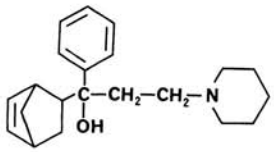

D-BIOTIN (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 23 7.02
2 31 1.47
3 29 1.49
4 40 2.16
5 67 2.18
6 54 2.30
7 32 2.53
8 42 2.57
9 29 2.79
10 31 2.81
11 23 2.83
12 22 2.95
13 23 3.35
14 21 4.09
15 22 4.10
16 30 4.11
17 25 4.12
18 27 4.13
19 22 4.26
20 33 4.28
21 22 4.30
22 22 4.36
23 95 6.36
24 91 6.45
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
(D)-BIOTIN
FT-IR
A 2936
B 1703
C 1316
D 654
A
B
C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBERS

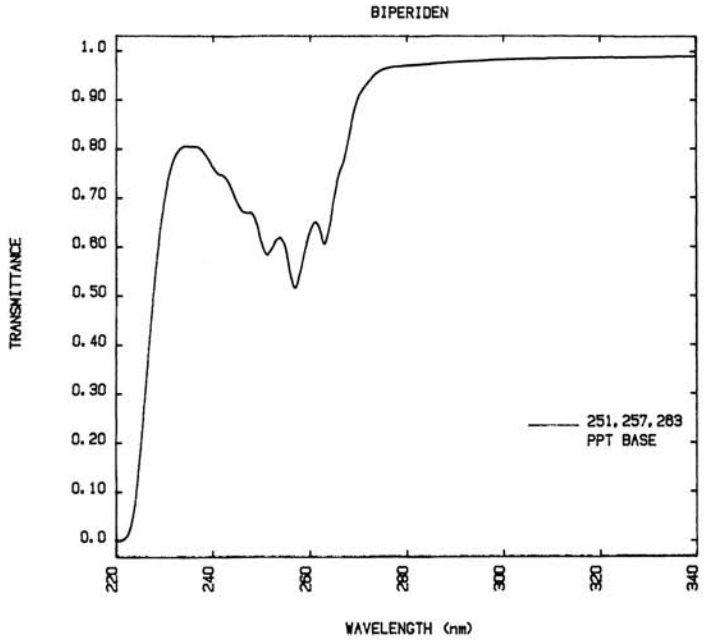
BIPERIDEN

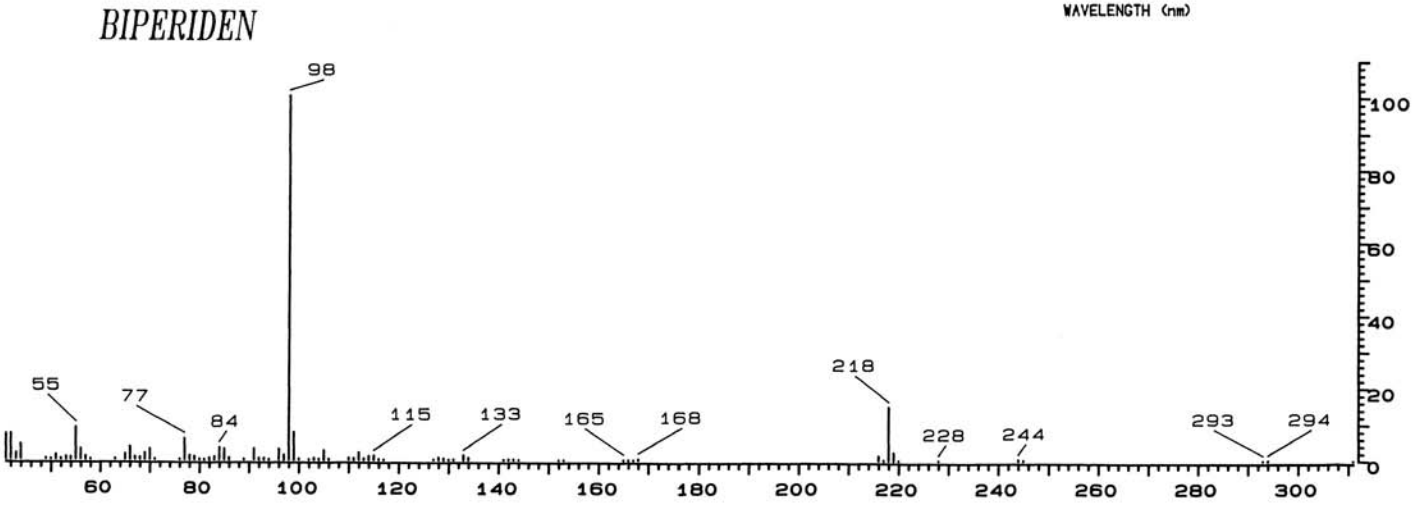
$C_{21}H_{29}NO$

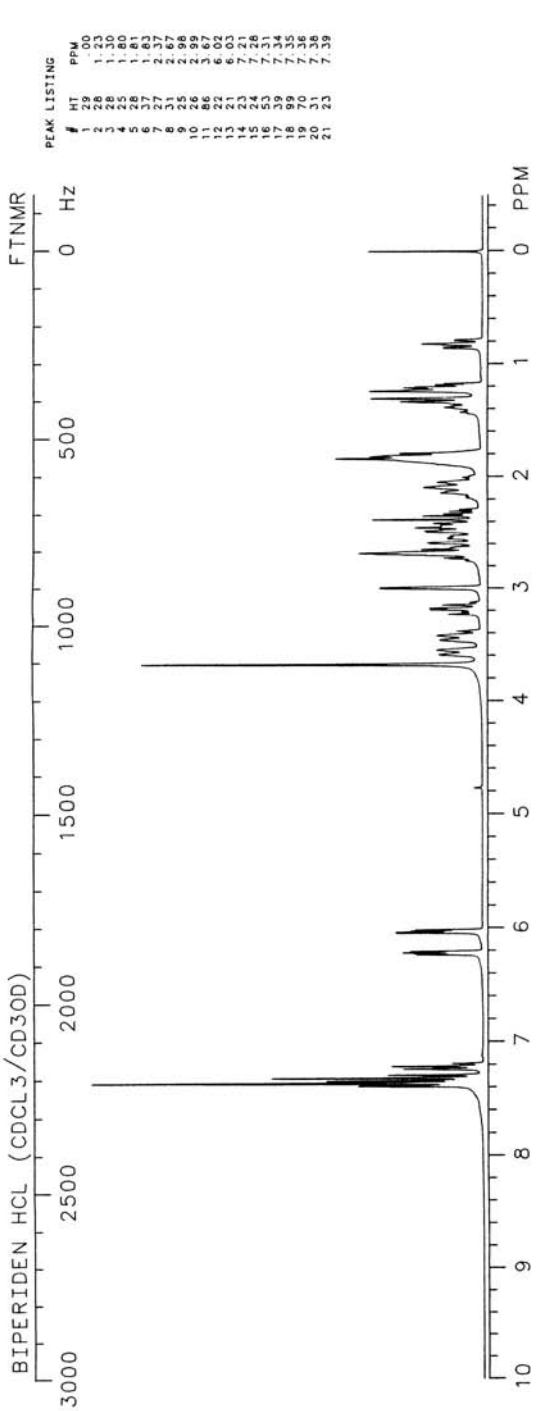
Molecular weight: 311.47 (311.23)
Synonyms: α-Bicyclo[2.2.1]hept-5-en-2-yl-α-phenyl-1-piperidine-propanol
Trade names: Akineton

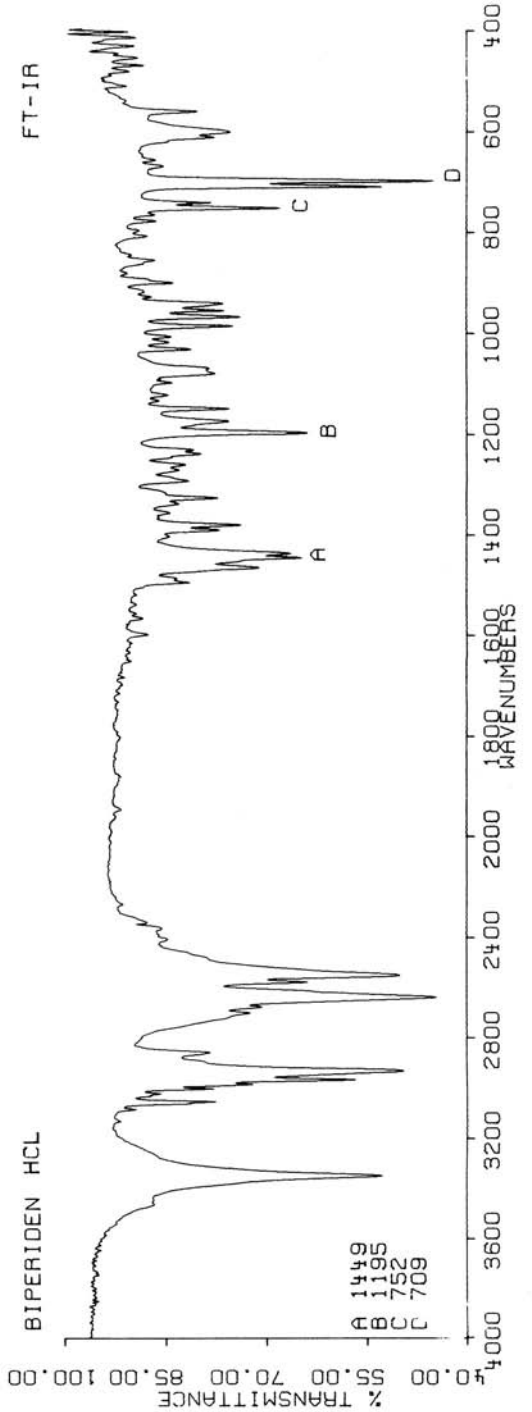
Use: Anticholinergic, antiparkinsonian
HPLC:
GC: 2342; 250°C








BIPERIDEN HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 29 .00
2 28 1.23
3 28 1.30
4 25 1.80
5 26 1.81
6 37 1.83
7 27 2.37
8 31 2.67
9 25 2.98
10 26 2.99
11 22 3.67
12 22 6.03
13 21 7.21
14 23 7.28
15 24 7.31
16 53 7.34
17 39 7.35
18 70 7.36
19 70 7.36
20 31 7.39
21 23


BIPERIDEN HCL
FT-IR
A 1449
B 1195
C 752
D 709
A
B
C
D
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

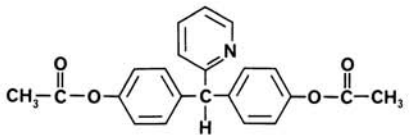
BISACODYL

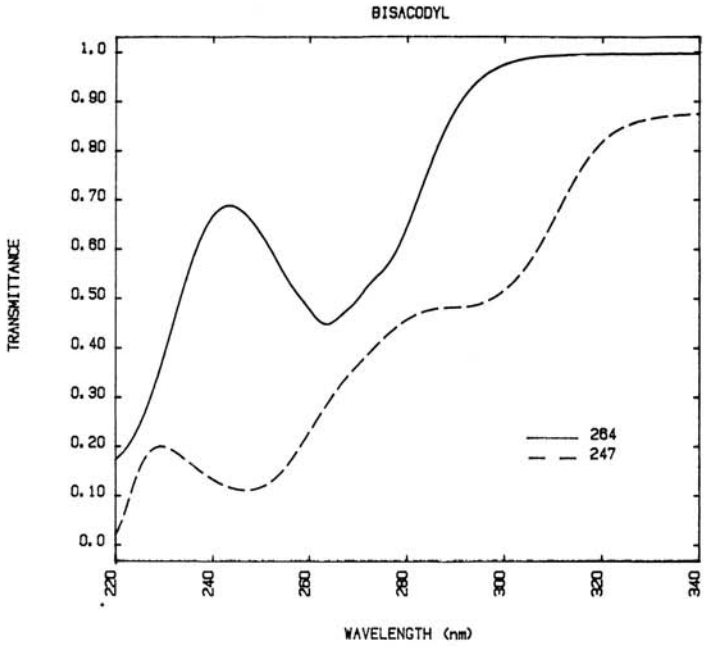
$C_{22}H_{19}NO_4$

Molecular weight: 361.40 (361.13)
Synonyms: 4,4'-(2-Pyridylmethylene)bisphenol diacetate

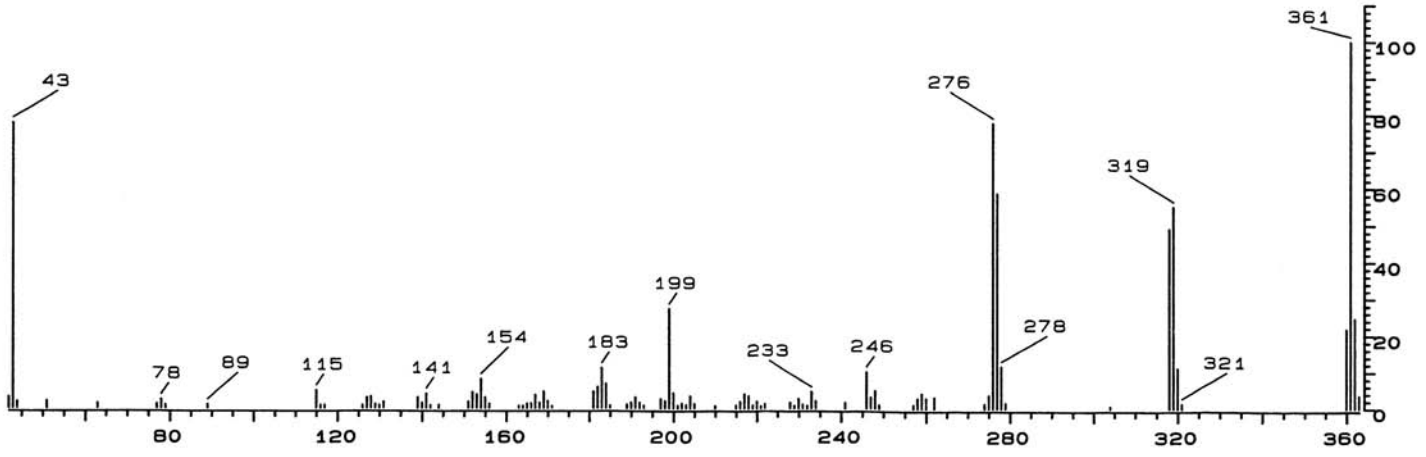
Trade names: Bisacodyl, Dulcolax, Evac-O-Kwik, Fleet Bisacodyl Enema

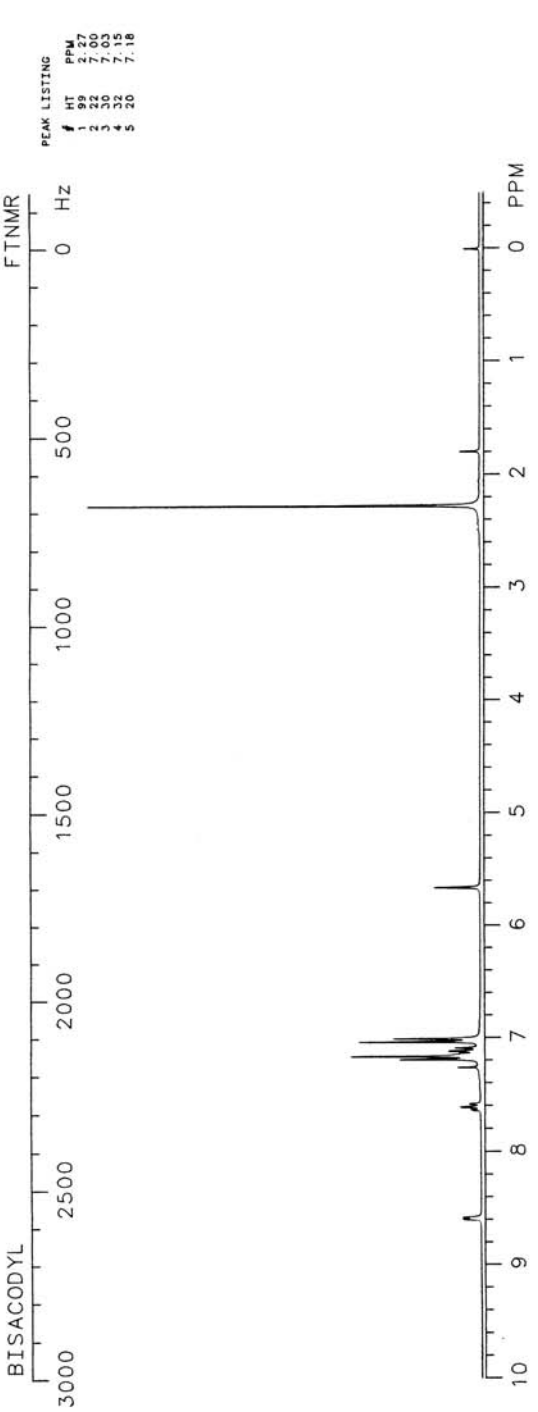
Use: Cathartic
HPLC:
GC: 2853; 280°C

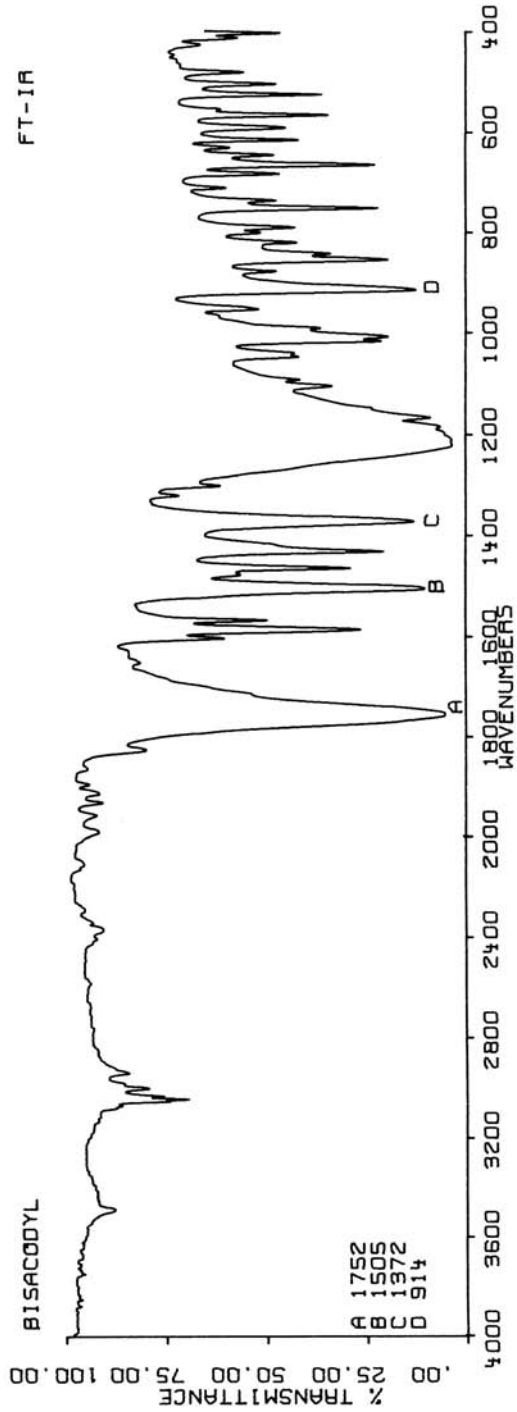




BISACODYL




BISACODYL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 99 2.37
2 22 7.00
3 30 7.03
4 32 7.15
5 20 7.18
10
9
8
7
6
5
4
3
2
1
0 PPM

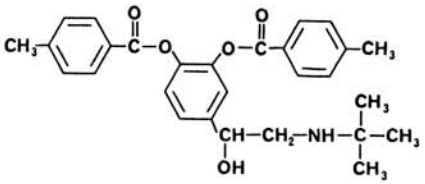

BISACODYL
FT-IR
A 1752
B 1505
C 1372
D 914
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

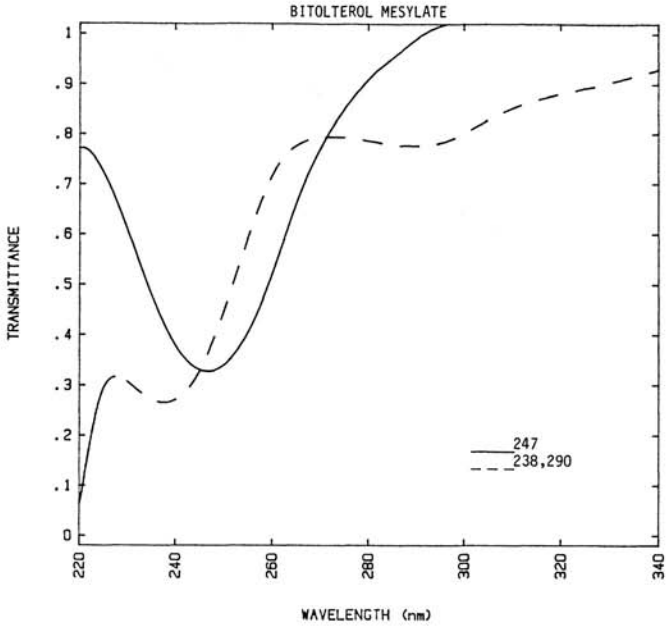
BITOLTEROL

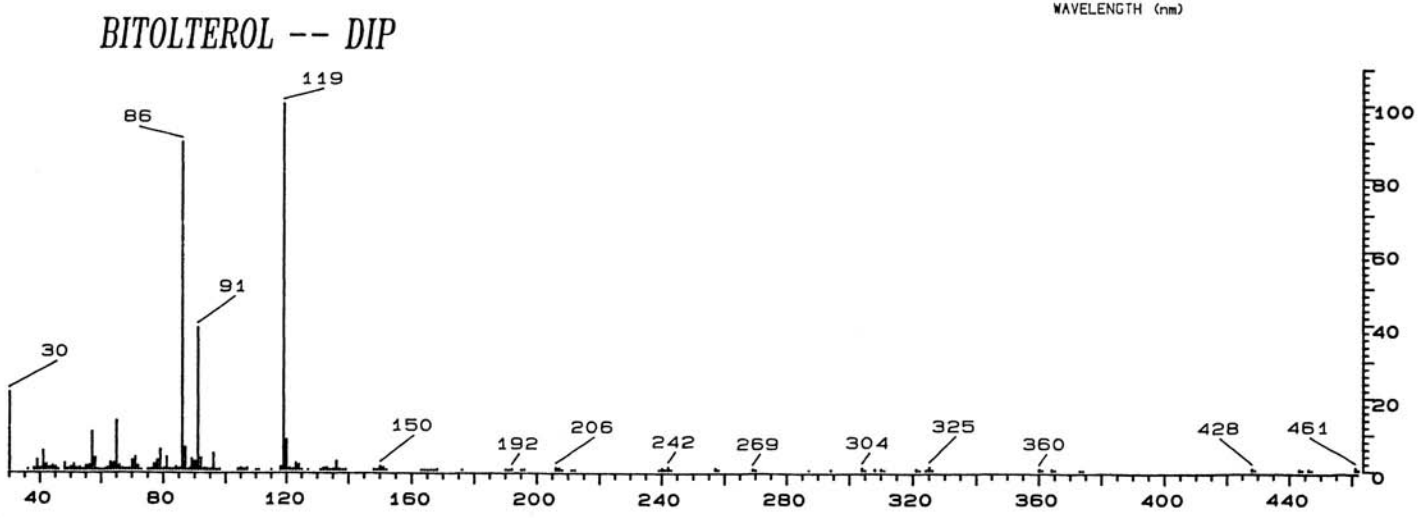
$C_{28}H_{31}NO_5$

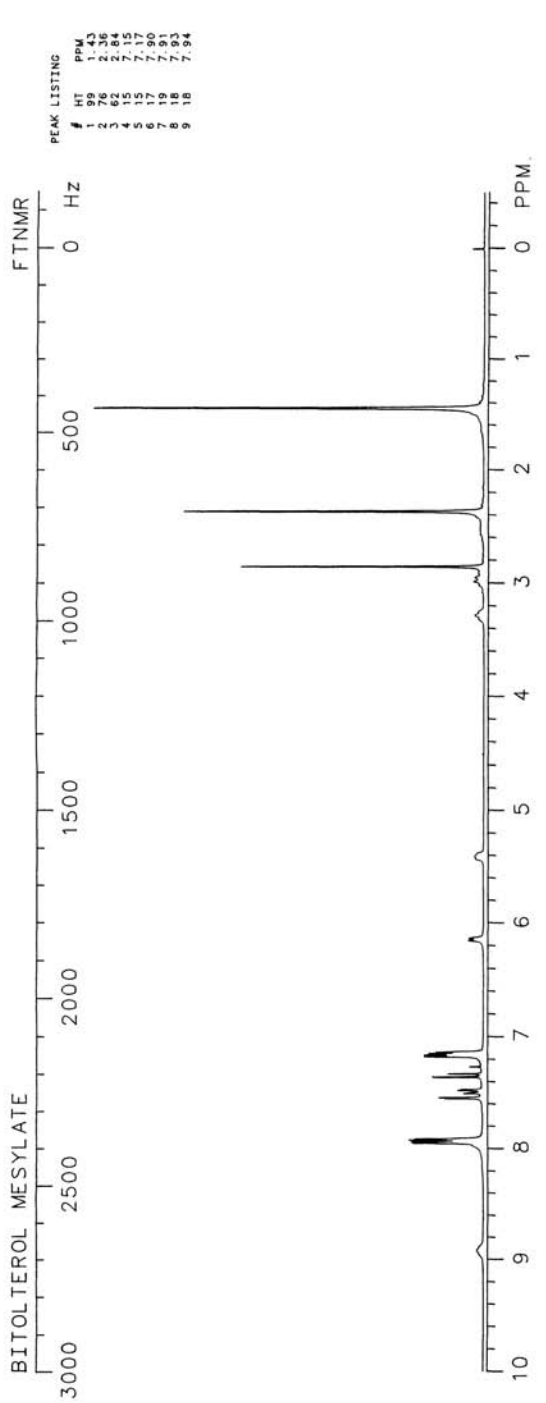
Molecular weight: 461.57 (461.22)
Synonyms: 4-Methylbenzoic acid 4-[2-[(1,1-dimethylethyl)amino]-1-hydroxyethyl]-1,2-phenylene ester
Trade names: Effectin, Tornalate

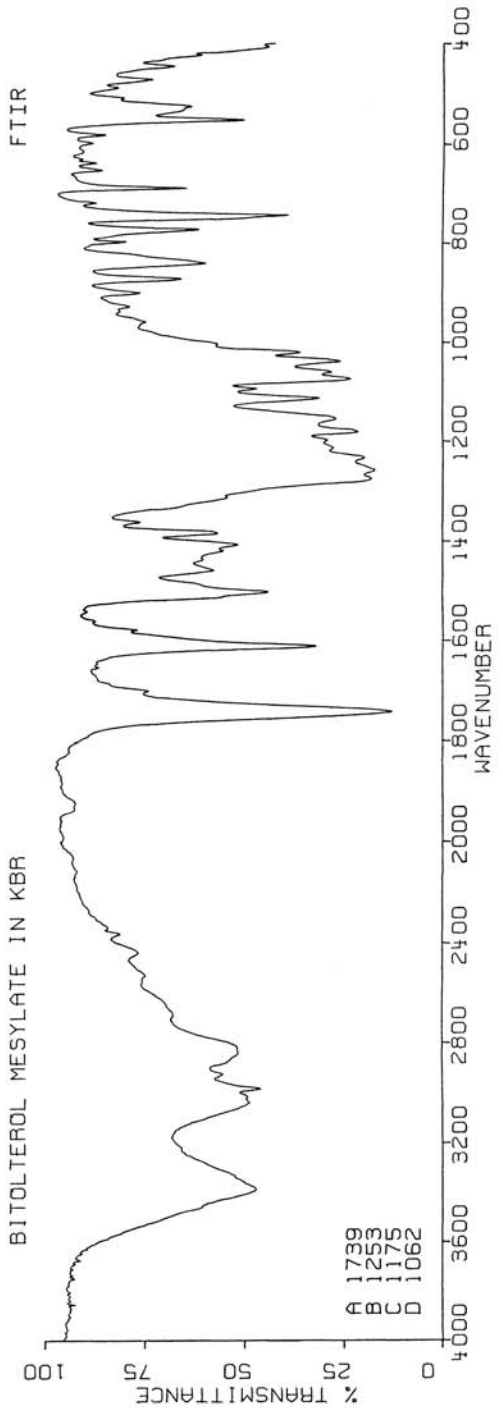
Use: Bronchodilator
HPLC: Si-10; 10A:90B; 4.6
GC:



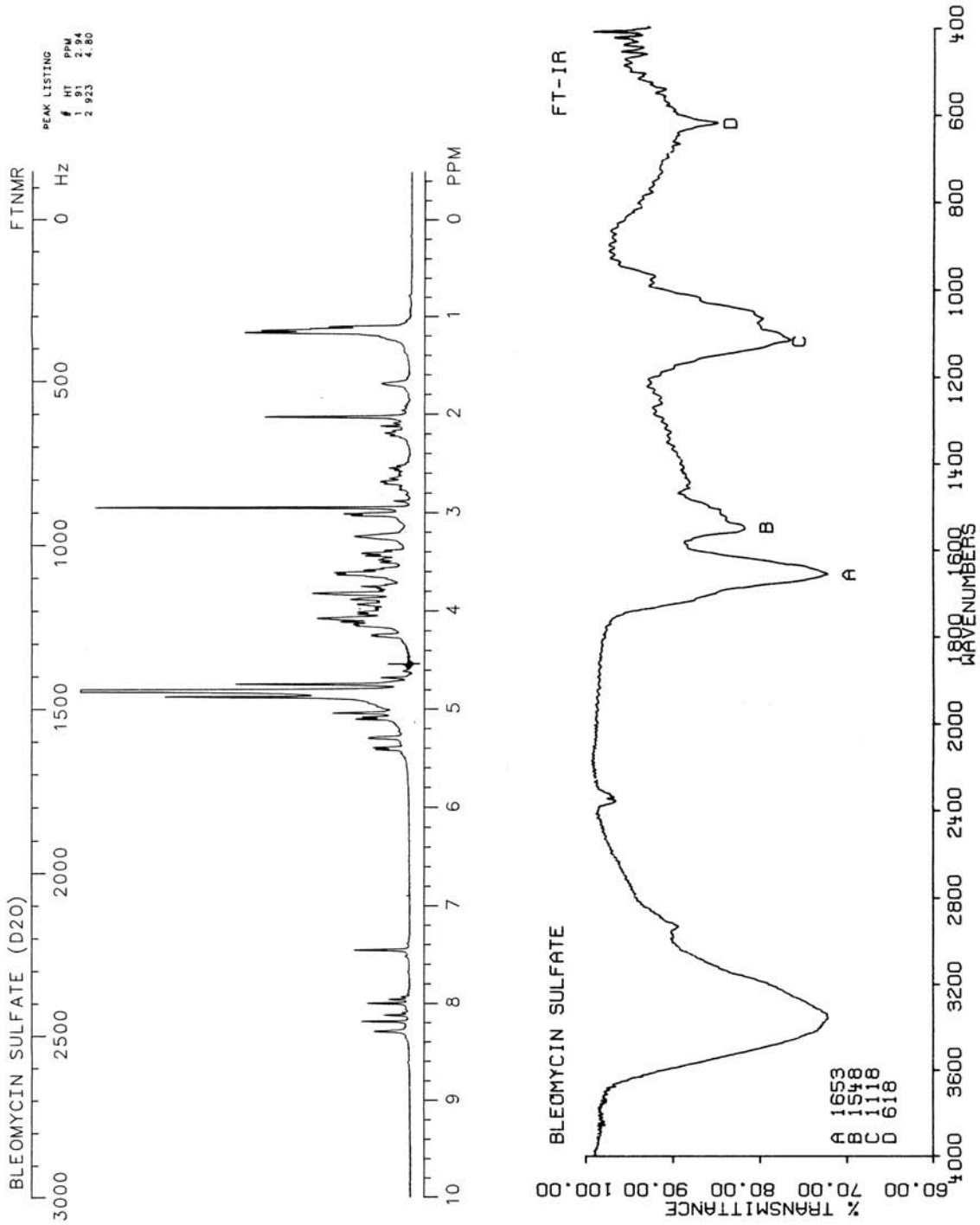





BITOLTEROL MESYLATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 99 1.43
2 76 2.36
3 62 2.84
4 15 7.15
5 15 7.17
6 17 7.90
7 19 7.91
8 18 7.93
9 18 7.94


BITOLTEROL MESYLATE IN KBR
FTIR
A 1739
B 1253
C 1175
D 1062
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

BLEOMYCIN
Synonyms: NSC-125066; Bleo
Trade names: Blenoxane
Use: Antineoplastic
BLEOMYCIN
TRANSMITTANCE
WAVELENGTH (nm)
280
290
NO USEFUL MASS SPECTRUM WAS OBTAINED


BLEOMYCIN SULFATE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 91 2.84
2 923 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BLEOMYCIN SULFATE
FT-IR
A 1653
B 1548
C 1118
D 618
A
B
C
D
% TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

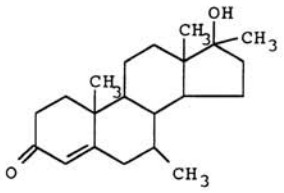
BOLASTERONE

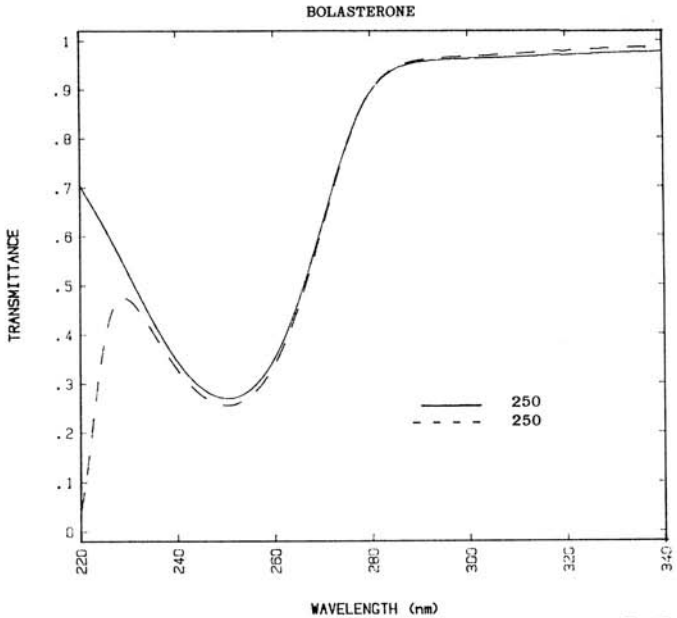
$C_{21}H_{32}O_2$

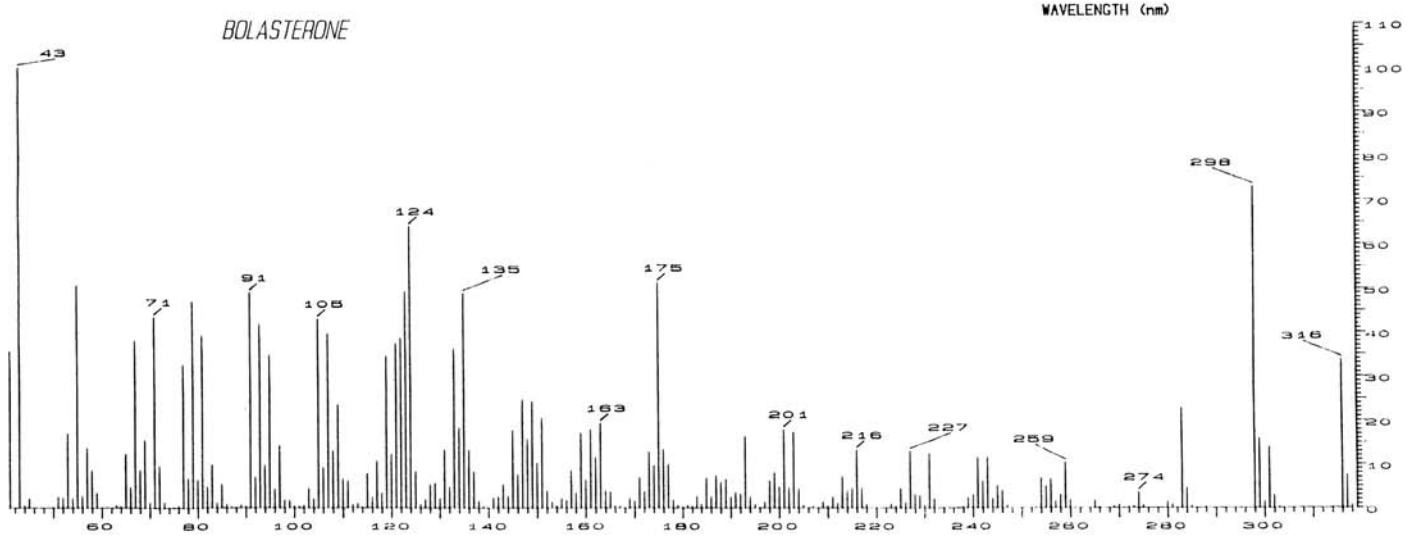
Molecular weight: 316.47 (316.24)

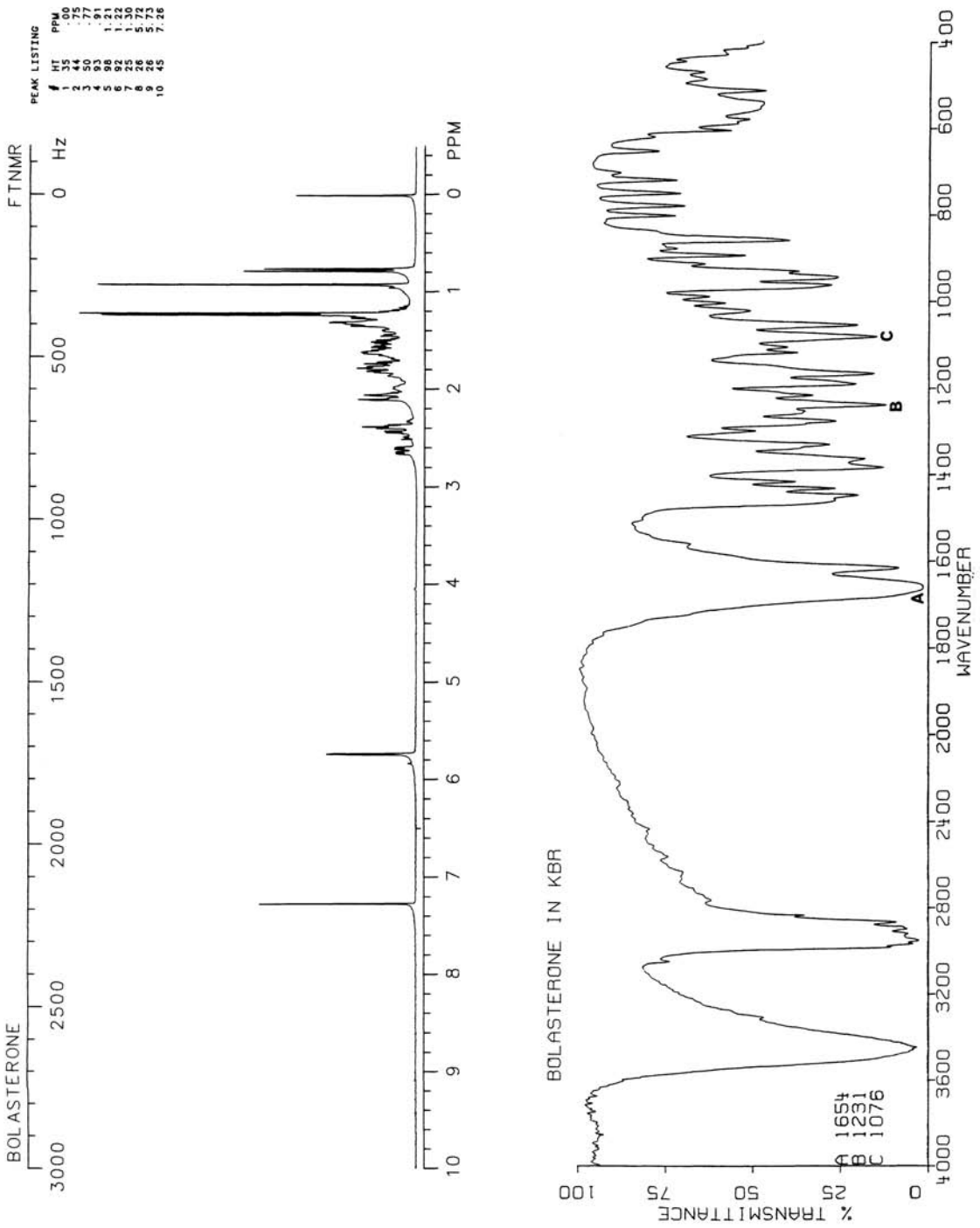
Synonyms: 17-Hydroxy-7,17-dimethylandrost-4-en-3-one;
7 α,17-dimethyl-testosterone
Trade names: Myagen

Use: Anabolic
HPLC: 90A:10B; 2.2
GC: 2766; 280°








BOLASTERONE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 35 .00
2 44 .75
3 50 .77
4 53 .91
5 90 1.21
6 92 1.22
7 25 1.30
8 26 5.72
9 28 5.73
10 45 7.26
BOLASTERONE IN KBR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A 1654
B 1231
C 1076
A
B
C

BOLDENONE

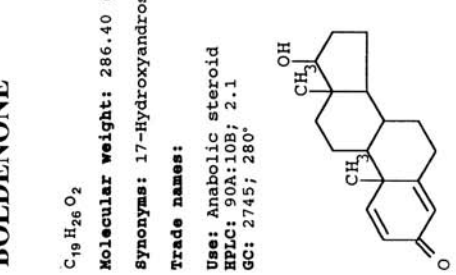
$C_{19}H_{26}O_2$

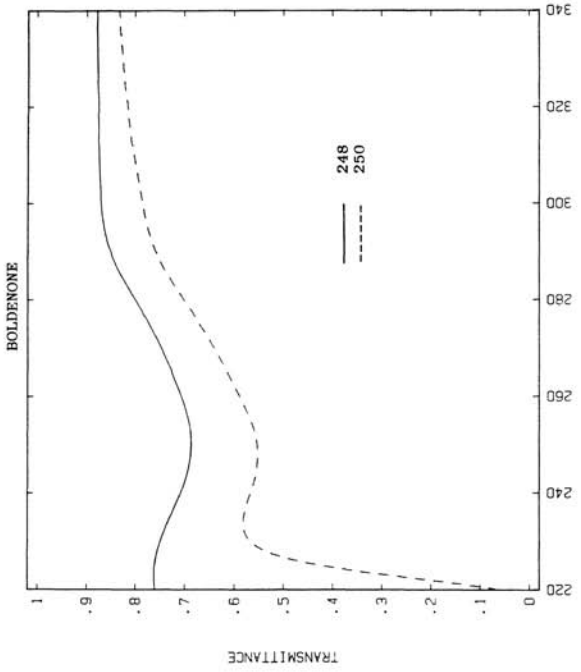
Molecular weight: 286.40 (286.19)

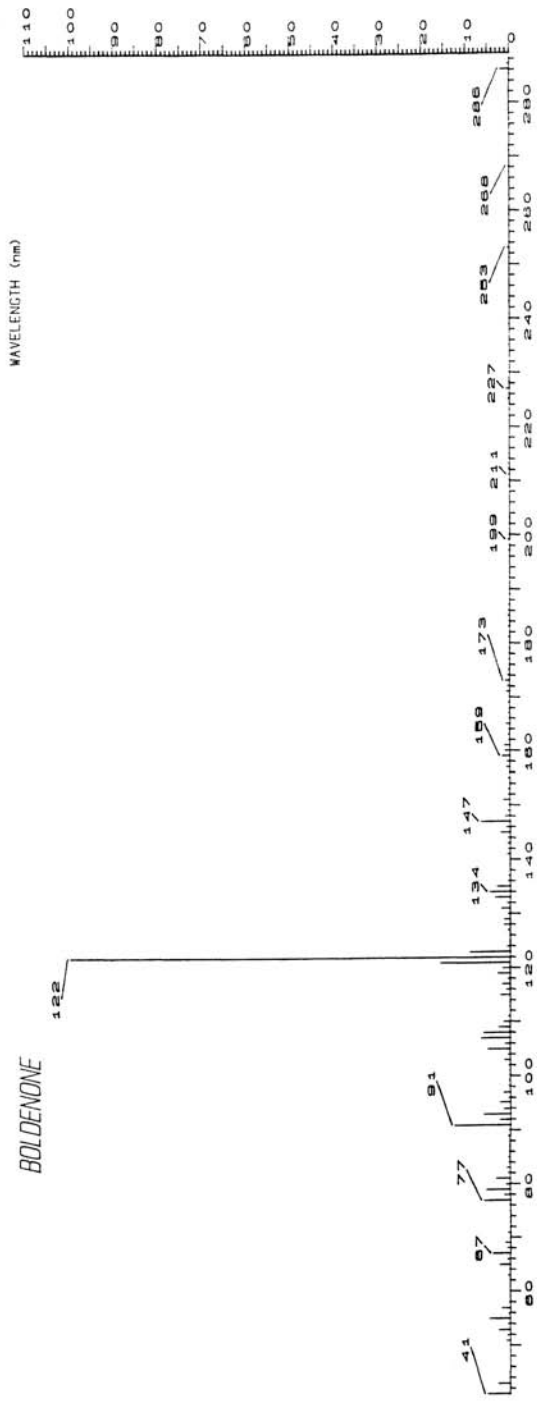
Synonyms: 17-Hydroxyandrosta-1,4-dien-3-one; dehydrostestosterone

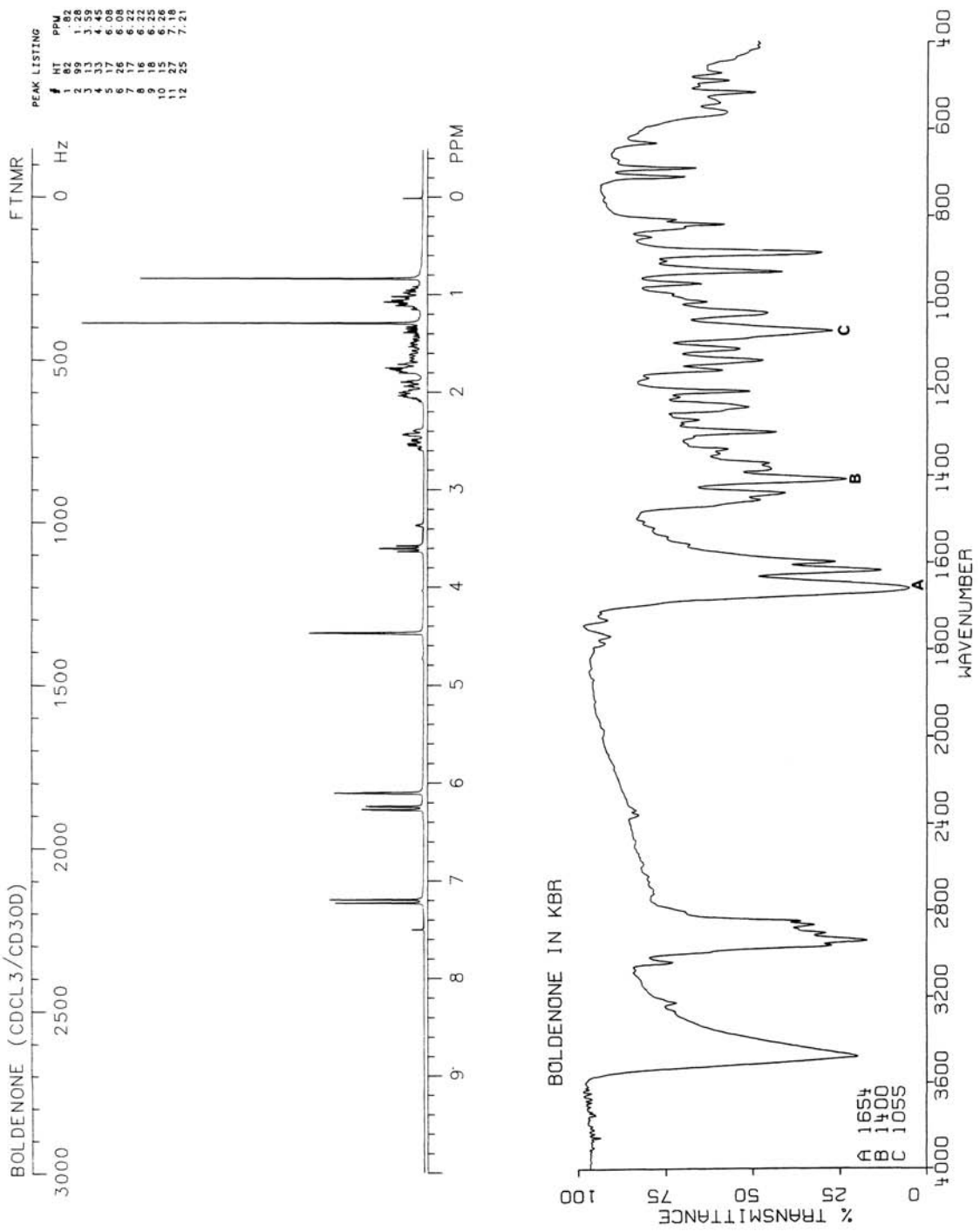
Trade names:

Use: Anabolic steroid
HPLC: 90A:10B; 2.1
GC: 2745; 280°








BOLDENONE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 82 .92
2 90 1.28
3 13 1.59
4 33 4.45
5 17 6.08
6 26 6.08
7 17 6.22
8 16 6.22
9 18 6.25
10 15 6.26
11 27 7.18
12 25 7.21
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
BOLDENONE IN KBR
A 1654
B 1400
C 1055
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

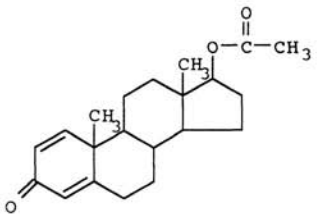
BOLDENONE ACETATE

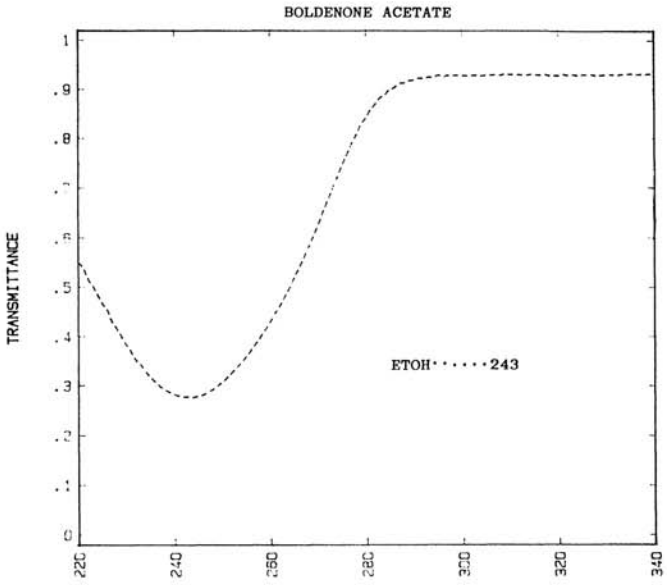
$C_{21}H_{28}O_3$

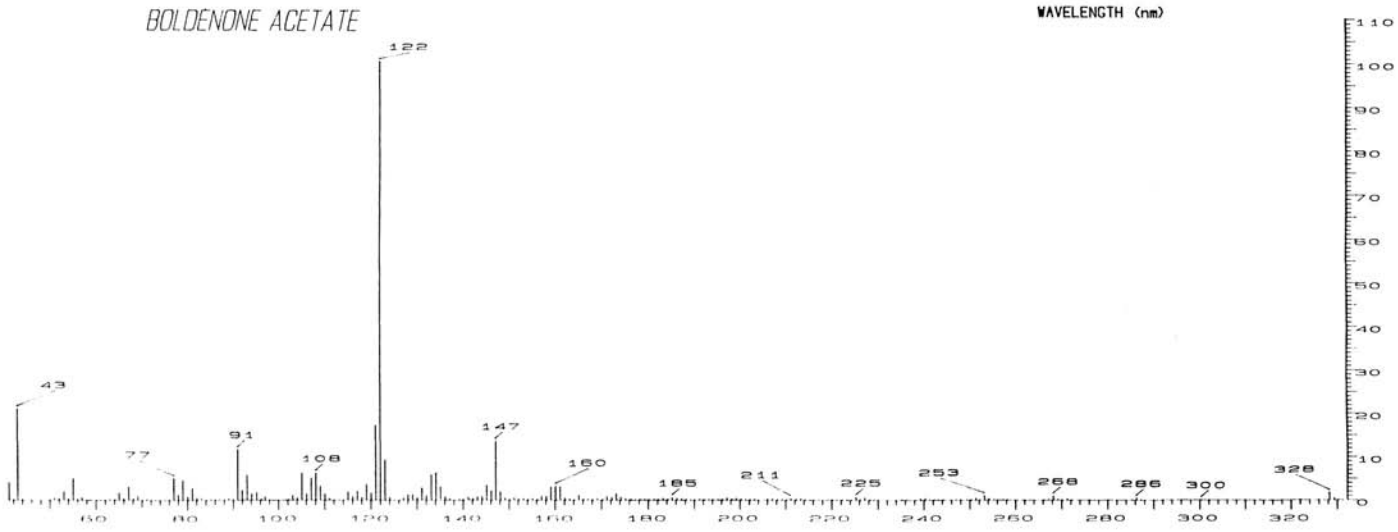
Molecular weight: 328.45 (328.20)

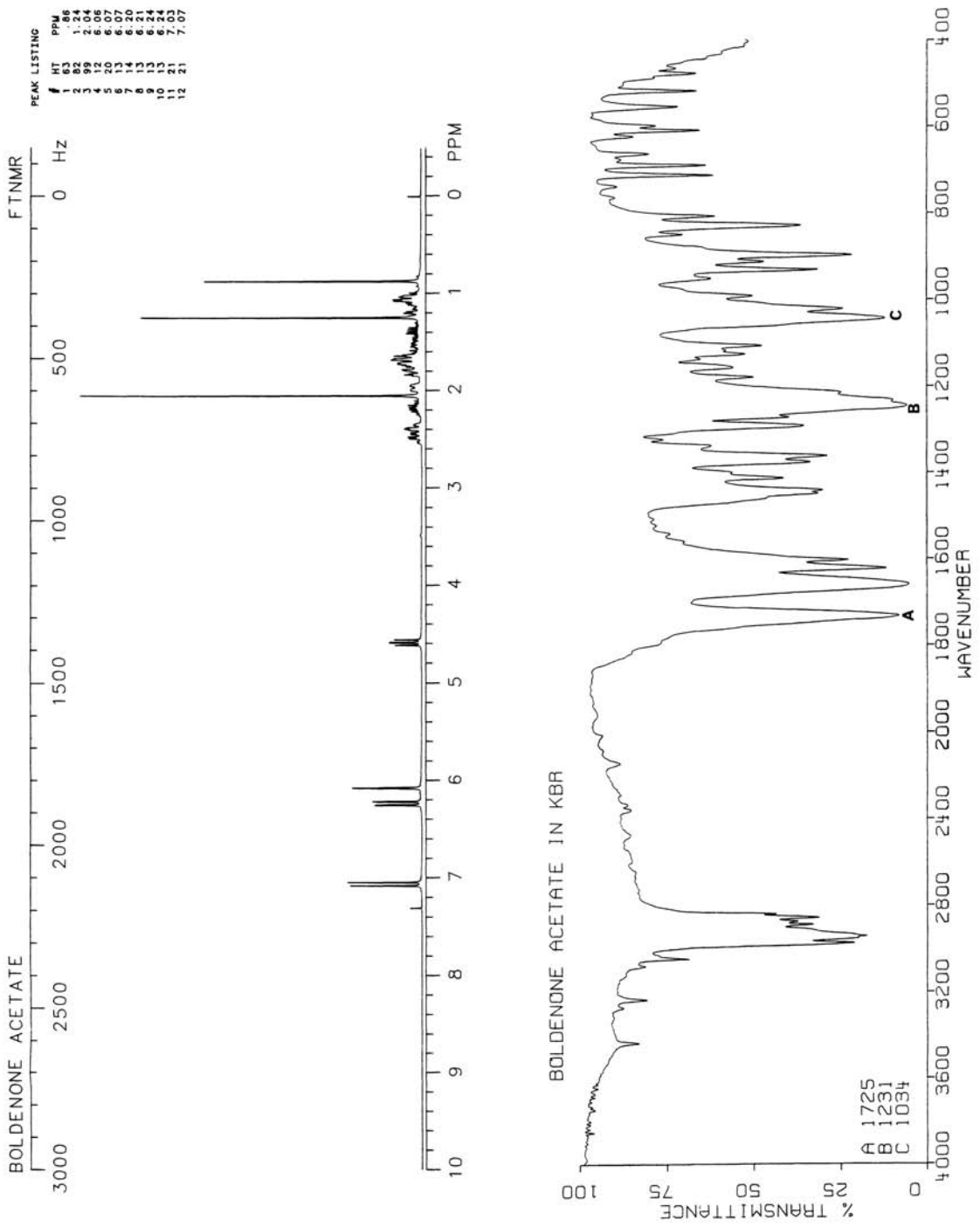
Synonyms: 17-Hydroxyandrosta-1,4-dien-3-one-acetate; dehydrostestosterone acetate
Trade names:

Use:
HPLC: 90A:10B; 2.9
GC: 2846; 280°








BOLDENONE ACETATE
FTNMR
PEAK LISTING
f HT PPM
1 63 .86
2 82 1.24
3 99 2.04
4 12 6.06
5 10 6.07
6 13 6.07
7 14 6.20
8 13 6.21
9 13 6.24
10 13 6.24
11 21 7.03
12 21 7.07
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BOLDENONE ACETATE IN KBR
A 1725
B 1231
C 1034
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

BOLDENONE BENZOATE

$C_{26}H_{30}O_5$

Molecular weight: 422.52 (422.21)

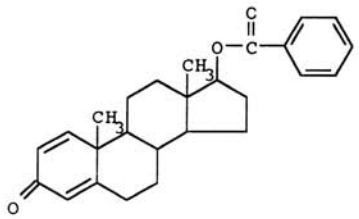
Synonyms: 17-Hydroxyandrosta-1,4-dien-3-one-17-benzoate; dehydrotestosterone benzoate

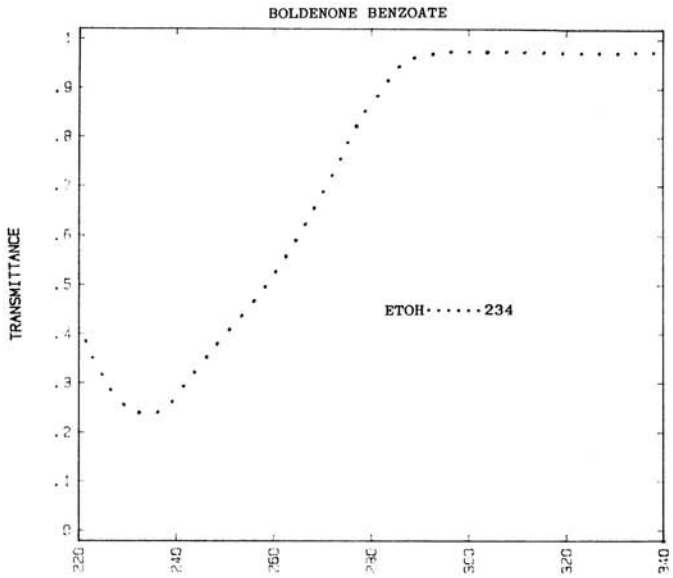
Trade names:

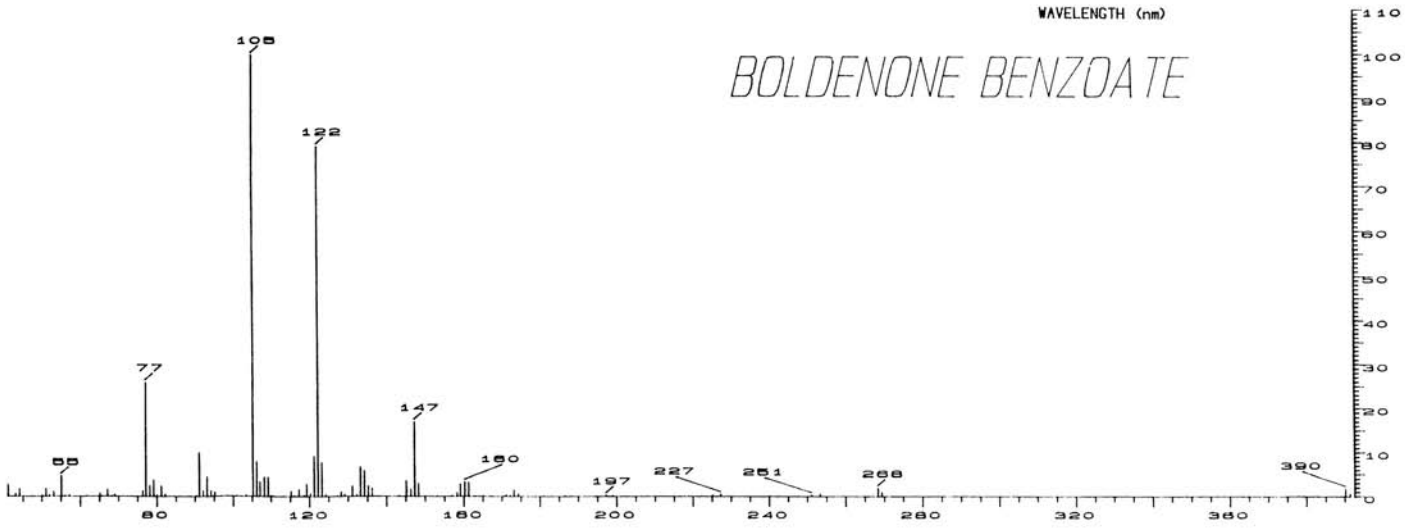
Use:

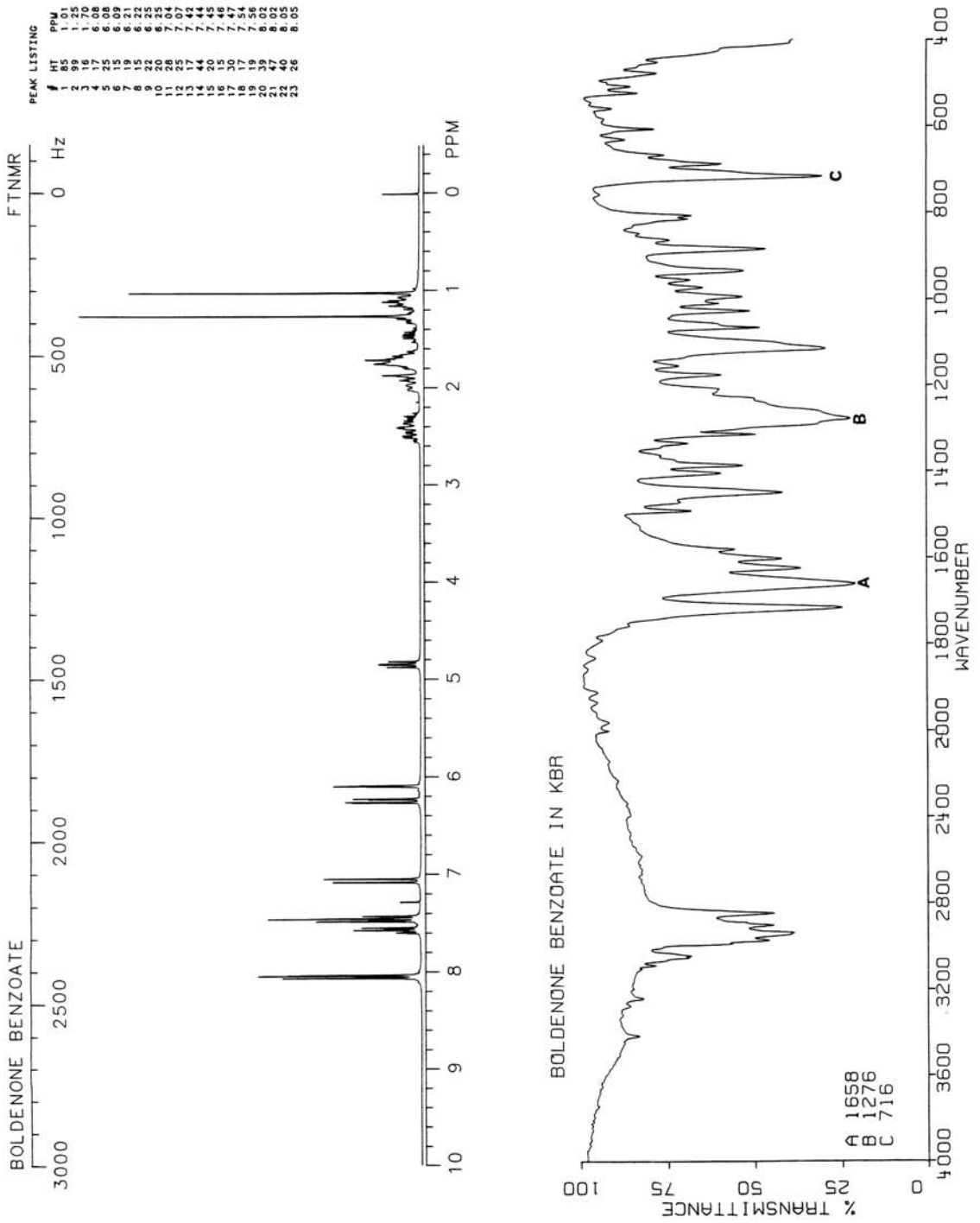
HPLC: 90A:10B; 4.3

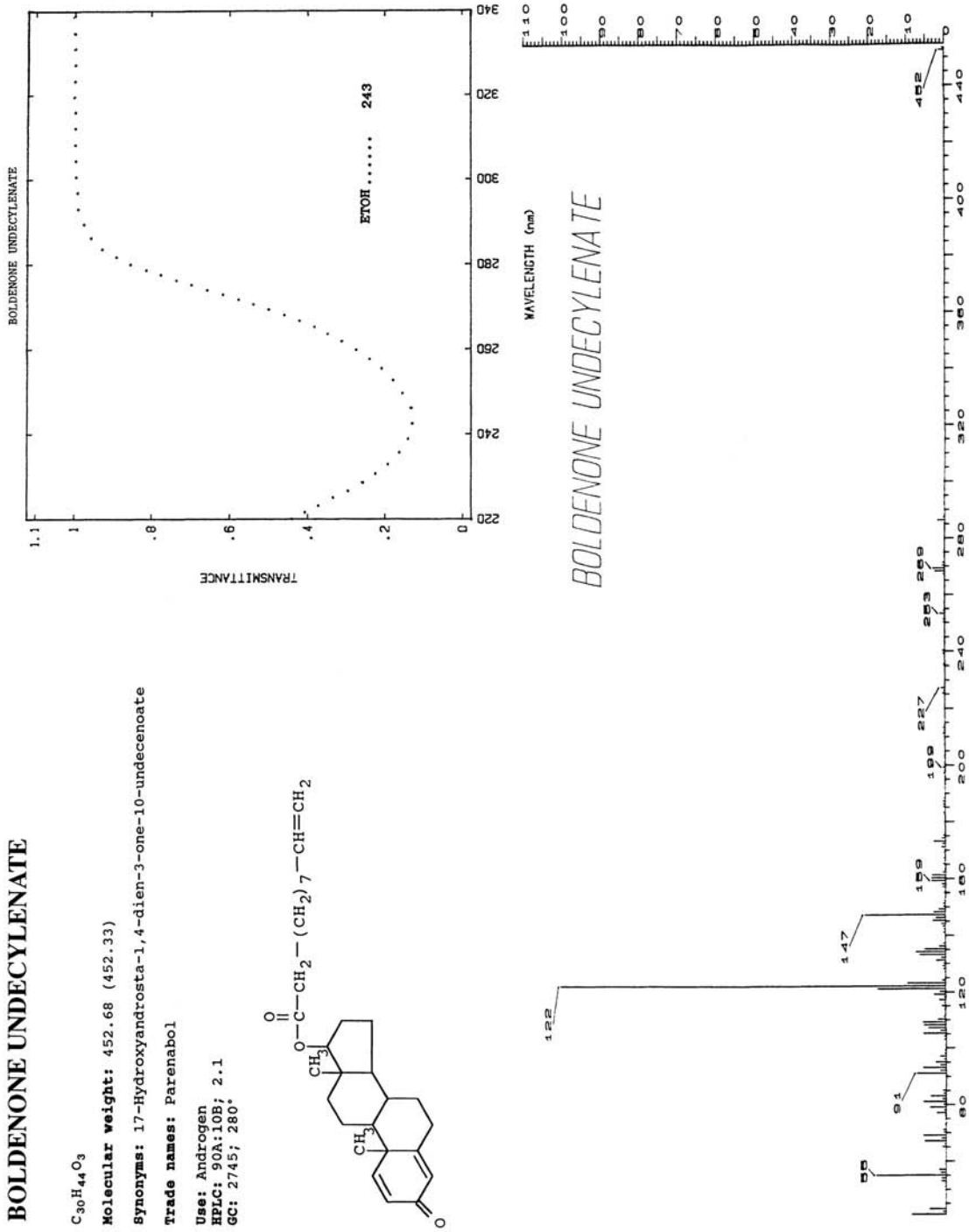
GC: 3484; 280°

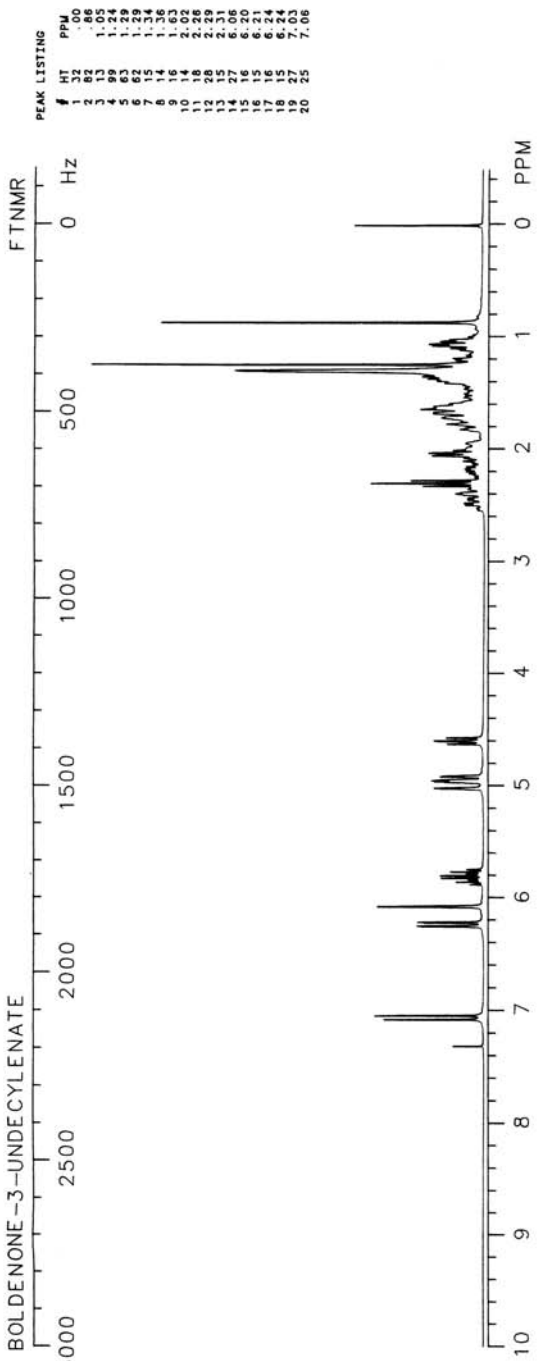


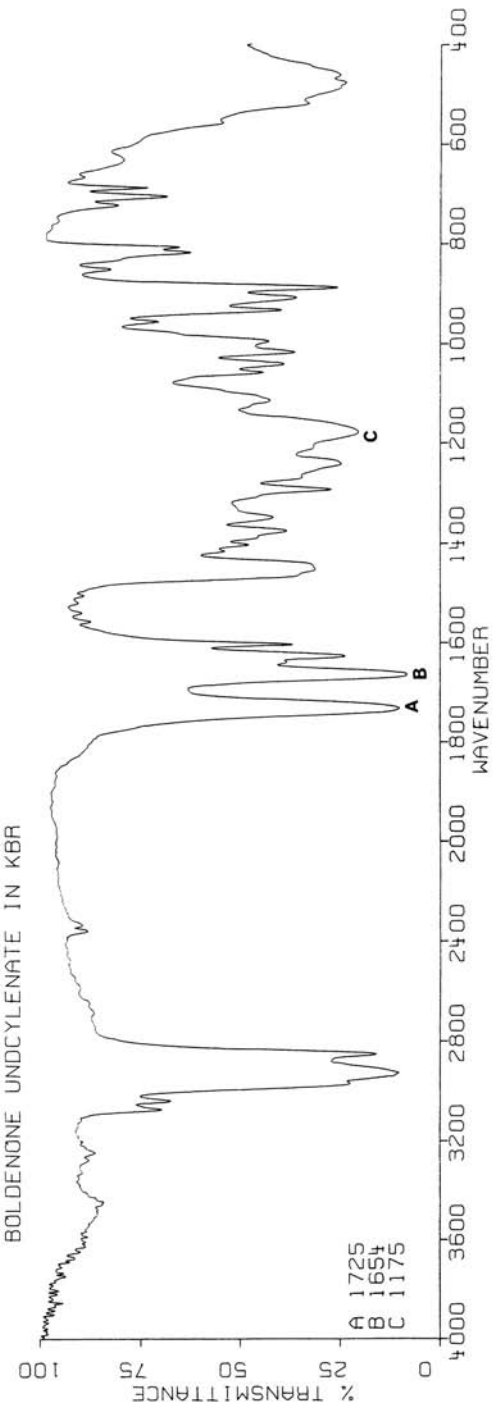





BOLDENONE BENZOATE
FTNMR
PEAK LISTING
HT PPM
1 85 1.01
2 99 1.25
3 16 1.70
4 17 6.08
5 25 6.08
6 15 6.09
7 19 6.21
8 15 6.22
9 22 6.25
10 20 6.25
11 28 7.04
12 25 7.07
13 17 7.42
14 44 7.44
15 20 7.45
16 15 7.46
17 30 7.47
18 17 7.54
19 19 7.56
20 39 8.02
21 47 8.02
22 40 8.05
23 26 8.05
Hz
PPM
BOLDENONE BENZOATE IN KBR
% TRANSMITTANCE
WAVENUMBER
A 1658
B 1276
C 716
A
B
C


BOLDENONE UNDECYLENATE
$C_{30}H_{44}O_3$
Molecular weight: 452.68 (452.33)
Synonyms: 17-Hydroxyandrosta-1,4-dien-3-one-10-undecenoate
Trade names: Parenabol
Use: Androgen
HPLC: 90A:10B; 2.1
GC: 2745; 280°
BOLDENONE UNDECYLENATE
ETOH..... 243
TRANSMITTANCE
WAVELENGTH (nm)
BOLDENONE UNDECYLENATE


BOLDENONE-3-UNDECYLENATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 32 .00
2 82 .86
3 13 1.05
4 89 1.24
5 63 1.29
6 62 1.29
7 15 1.34
8 14 1.36
9 16 1.63
10 14 2.02
11 18 2.26
12 28 2.39
13 15 2.51
14 27 6.06
15 16 6.20
16 15 6.21
17 16 6.24
18 15 6.24
19 27 7.03
20 25 7.06

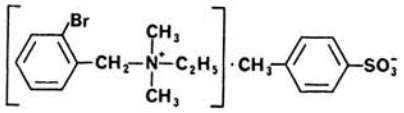

BOLDENONE UNDCYLENATE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1725
B 1654
C 1175
A
B
C

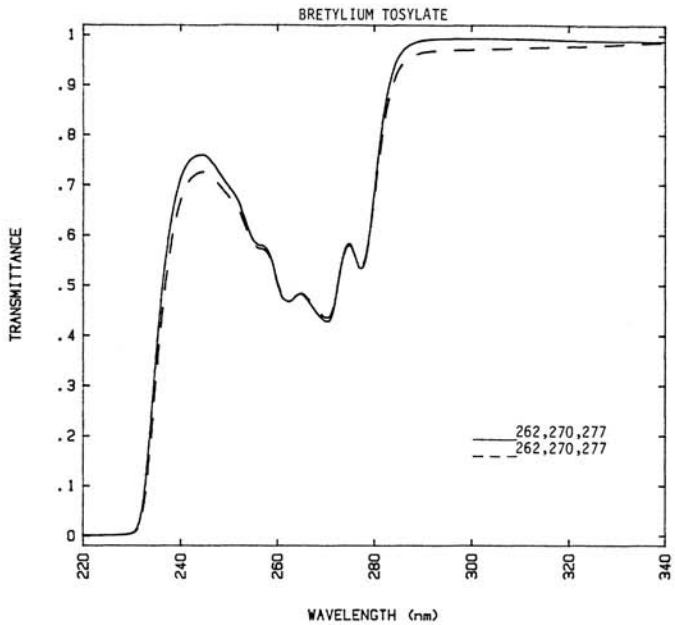
BRETYLIUM TOSYLATE

$C_{18}H_{24}BrNO_3S$

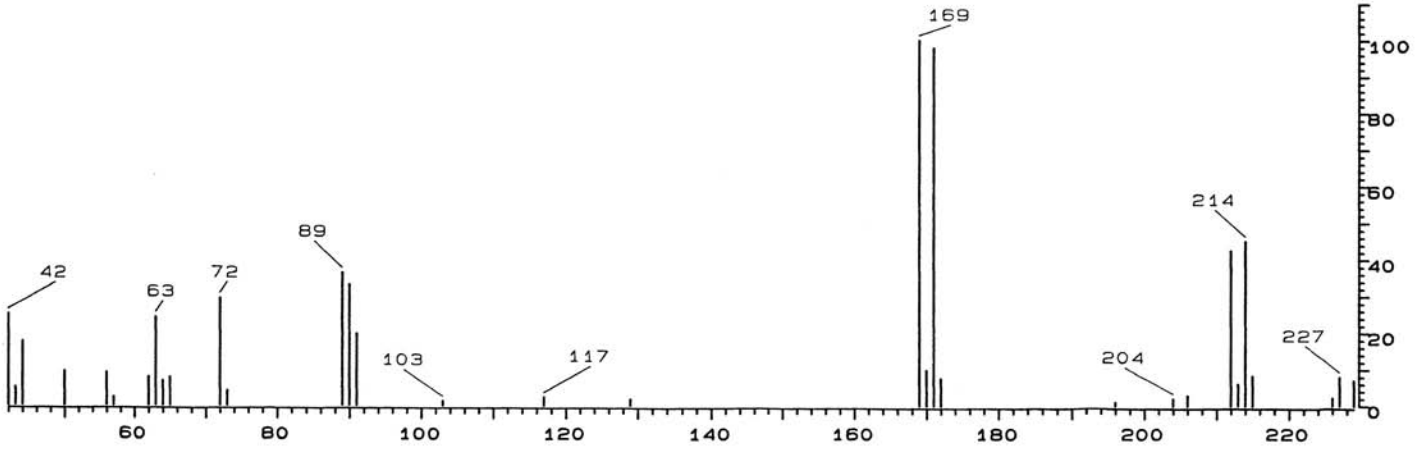
Molecular weight: 414.37 (413.07)
Synonyms: 2-Bromo-N-ethyl-N,N-dimethylbenzenemethanaminium-4-methyllbenzene sulfonate
Trade names: Bretylan, Bretylate, Bretylol, Darenthin, Ornid

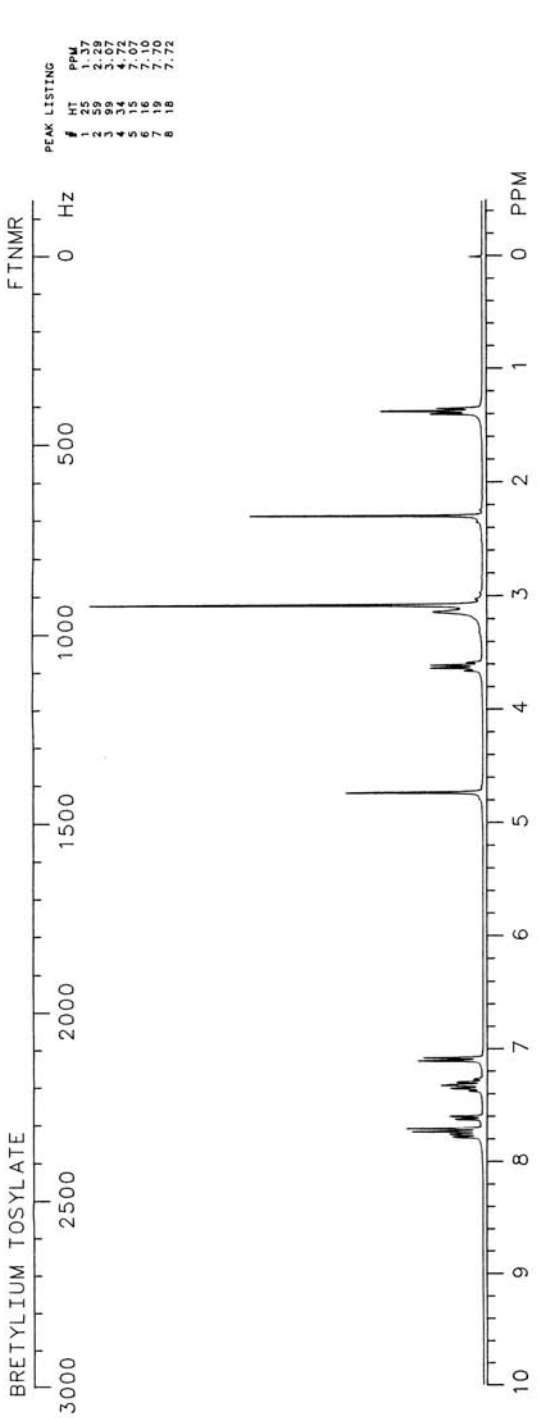
Use: Anti-adrenergic, cardiac depressant
HPLC: Si-10; 10A:90B; 5.8
GC:

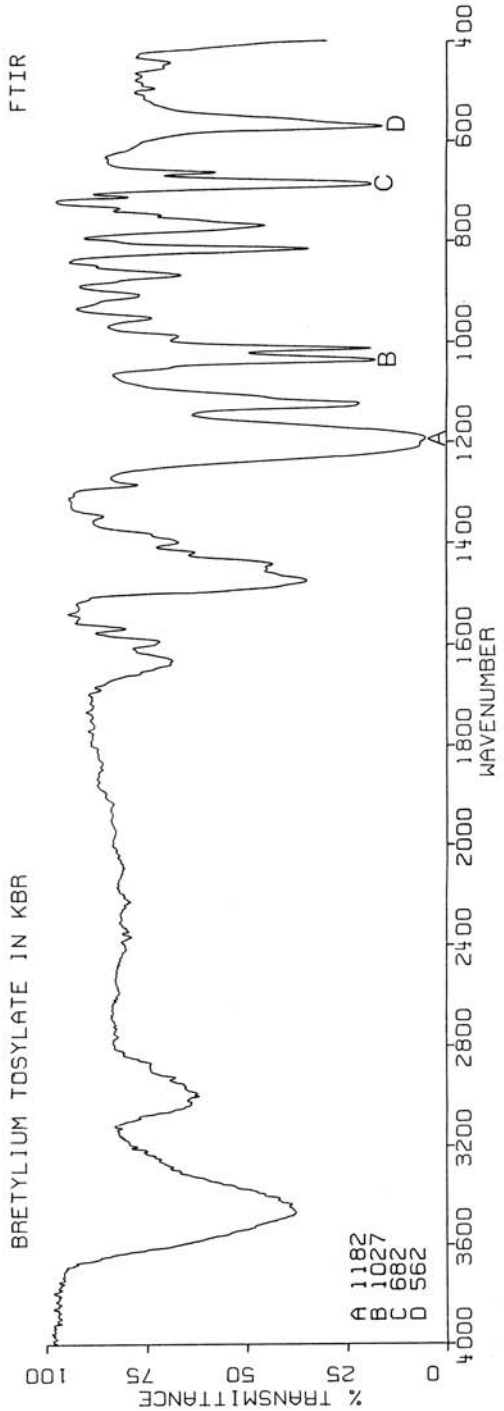




BRETYLIUM TOSYLATE--DECOMPOSITION PRODUCT



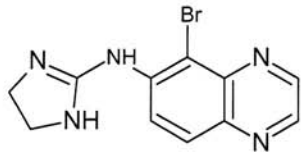

BRETYLIUM TOSYLATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 25 1.37
2 59 2.29
3 99 3.07
4 34 4.72
5 15 7.07
6 16 7.50
7 19 7.70
8 18 7.72

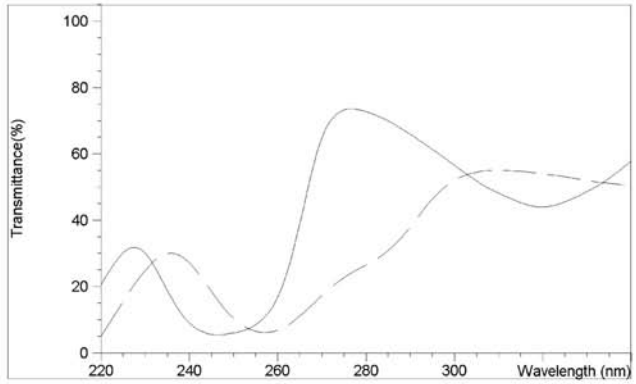

BRETYLIUM TOSYLATE IN KBR
FTIR
A 1182
B 1027
C 682
D 562
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

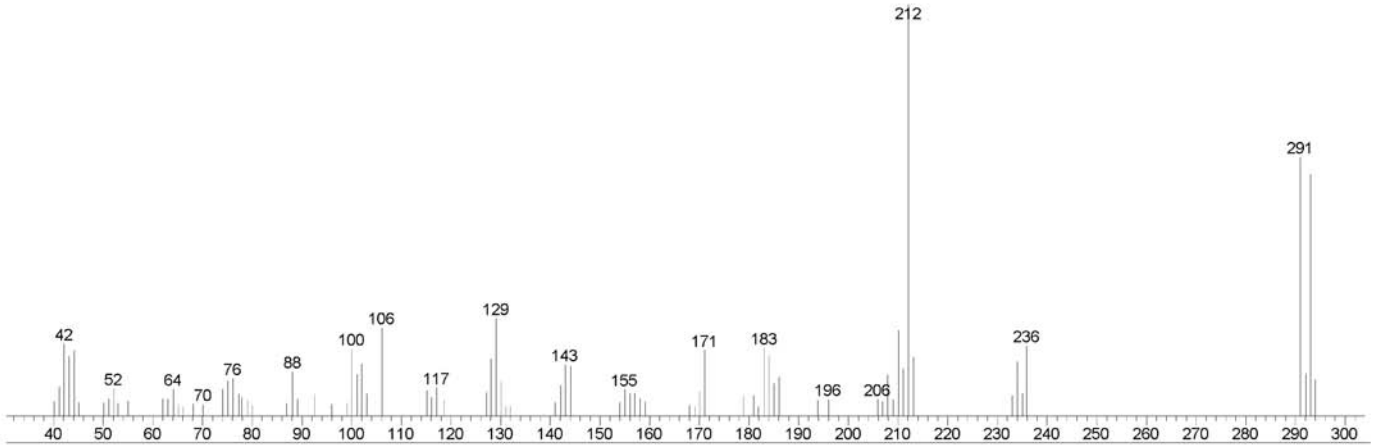
BRIMONIDINE

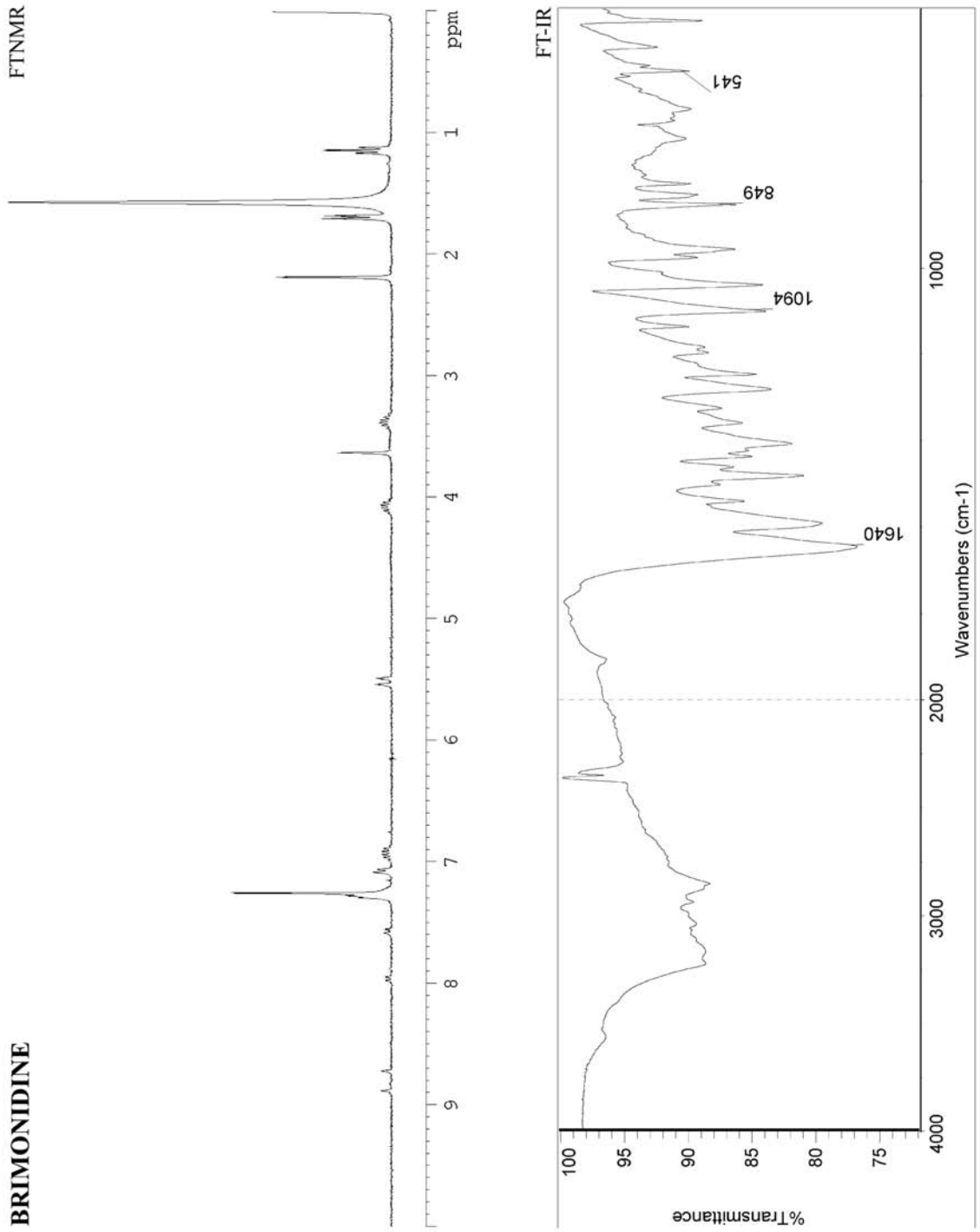
$C_{11}H_{10}BrN_5$

Molecular Weight: 292.13 (291.01)
Synonyms: 5-Bromo-N-(4,5-dihydro-1H-imidazol-2-yl)-6-quinoxalinamine
Trade names: Alphagan P
Use: Antiglaucoma, α_2–Adrenoceptor agonist







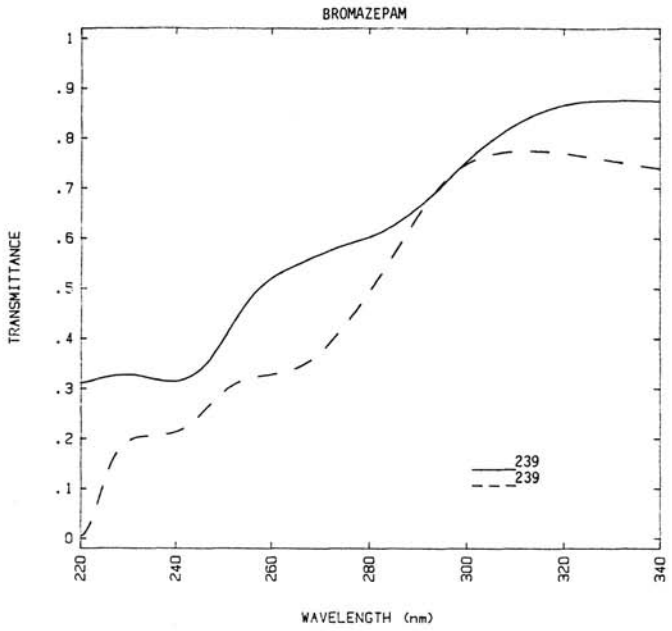

BRIMONIDINE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
541
849
1094
1640
%Transmittance
100
95
90
85
80
75
4000
3000
2000
1000
Wavenumbers (cm-1)

BROMAZEPAM

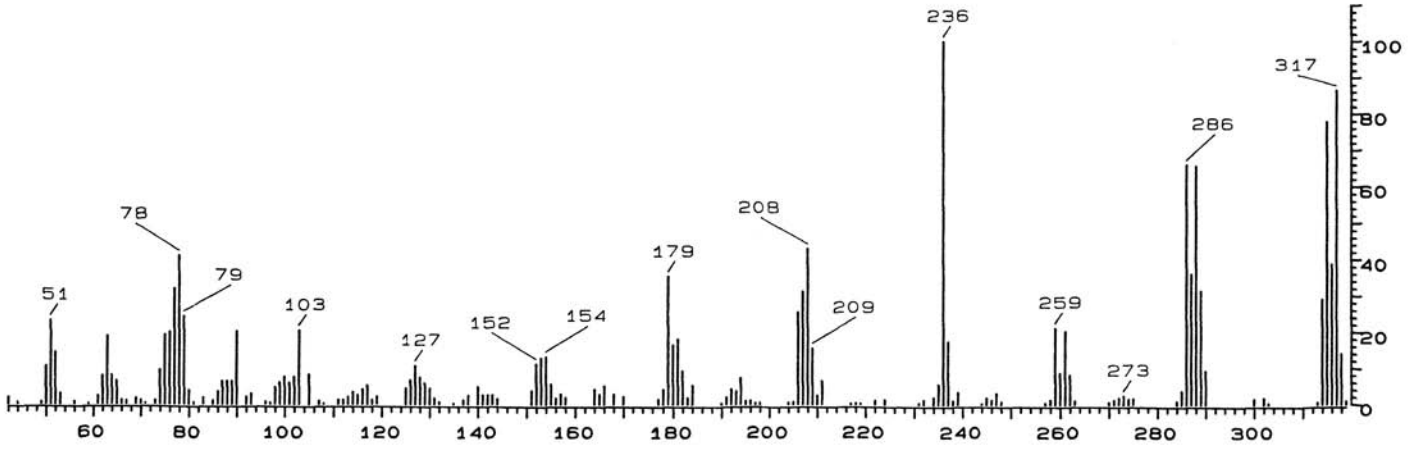
$C_{14}H_{10}BrN_3O$

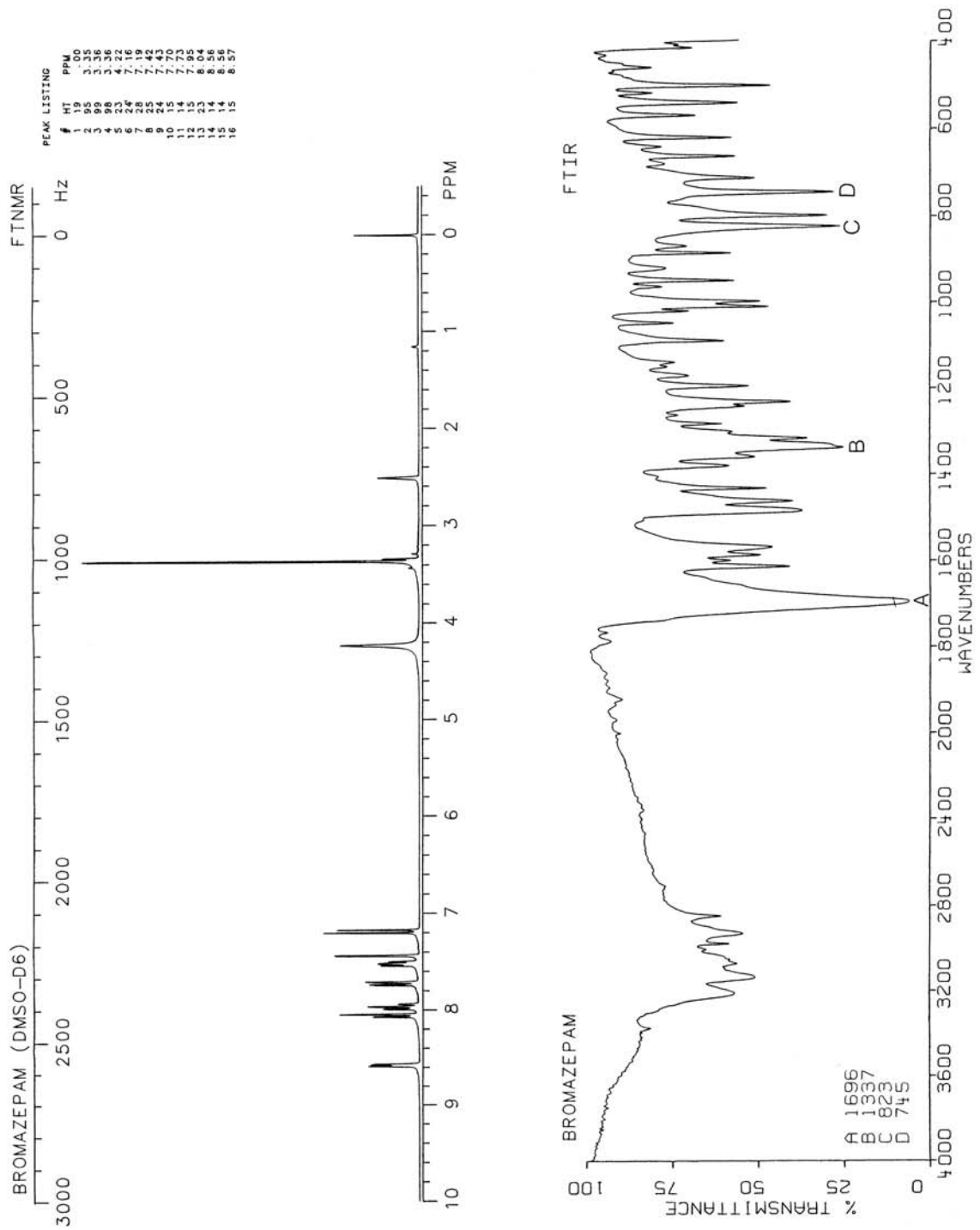
Molecular weight: 316.16 (315.00)
Synonyms: 7-Bromo-1,3-dihydro-5-(2-pyridinyl)-2H-1,4-benzodiazepin-2-one
Trade names: Compendium, Lexotan, Lexotanil, Lexomil, Lectopam

Use: Tranquilizer
HPLC: Si-10; 1A:99B; 4.0
GC: 2702; 250°C



BROMAZEPAM




FTNMR
BROMAZEPAM (DMSO-D6)
PEAK LISTING
HT PPM
1 19 3.00
2 95 3.35
3 99 3.36
4 98 3.36
5 23 4.22
6 24 7.16
7 28 7.19
8 25 7.42
9 24 7.43
10 15 7.70
11 14 7.73
12 15 7.95
13 23 8.04
14 14 8.56
15 14 8.56
16 15 8.57
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
BROMAZEPAM
A 1696
B 1337
C 823
D 745
A B C D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBERS

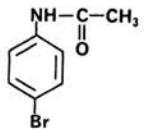
BROMOACETANILIDE

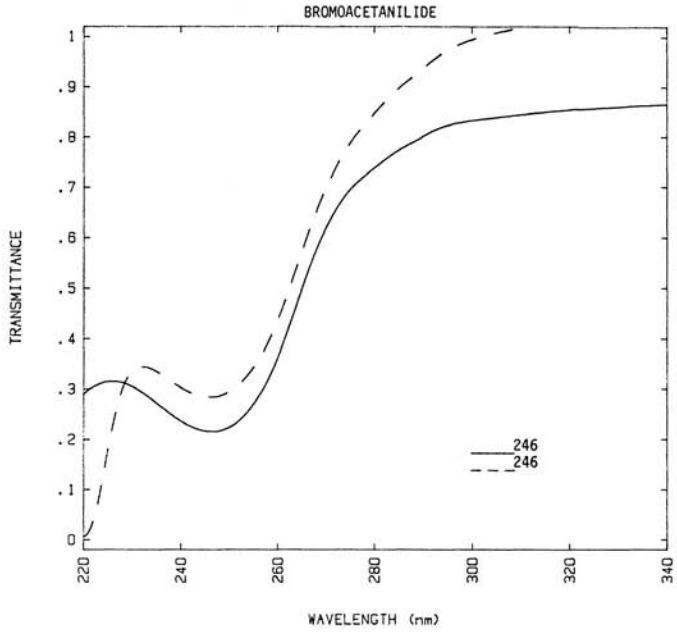
C_8H_8BrNO

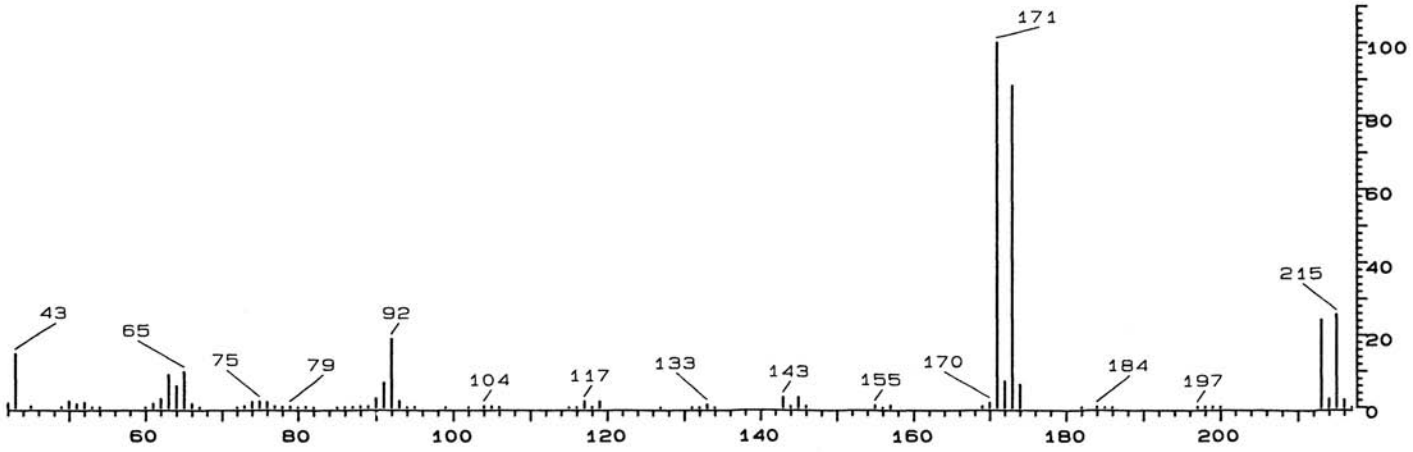
Molecular weight: 214.07 (212.98)
Synonyms: N-(4-Bromophenyl)acetamide; bromoanilide

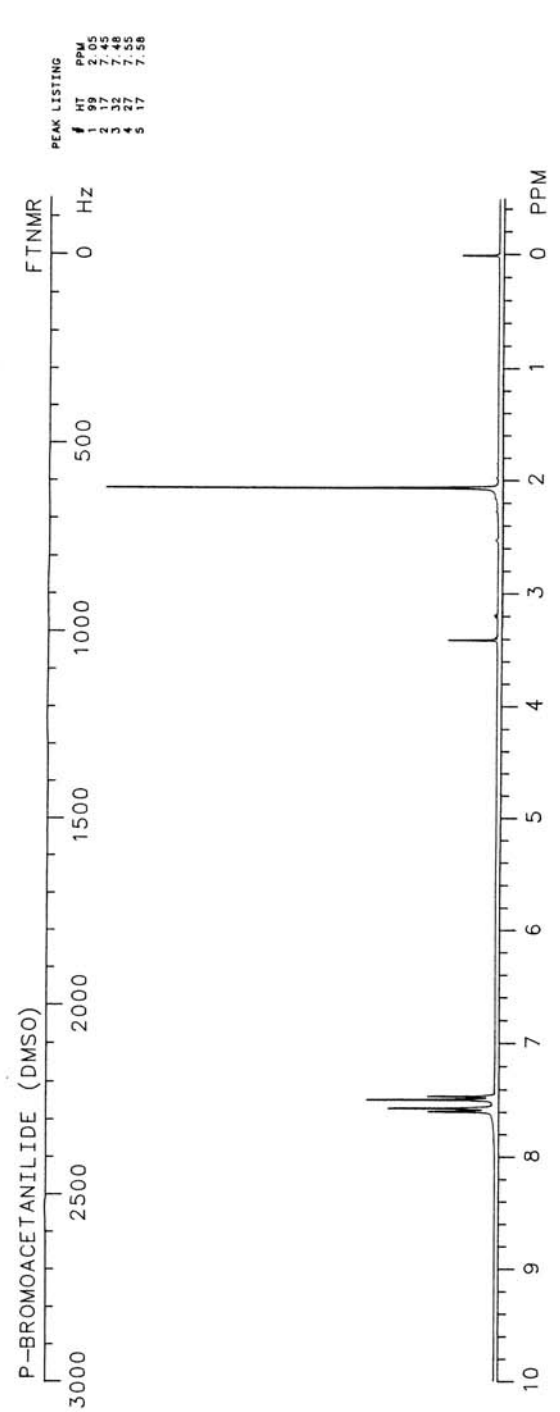
Trade names: Antisepsin, Asepsin, Bromoantifebrin

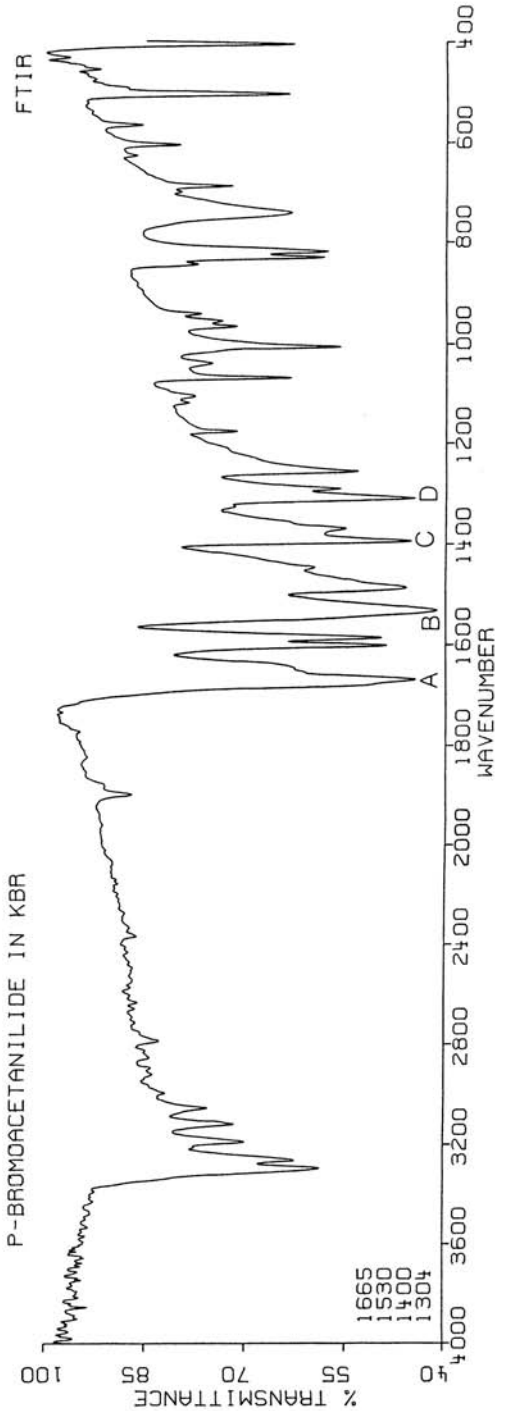
Use: Analgesic, antipyretic
HPLC: Si-10; 100B; 6.9
GC: 1713; 200°C








P-BROMOACETANILIDE (DMSO)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 99 2.05
2 17 7.45
3 32 7.48
4 27 7.55
5 17 7.58

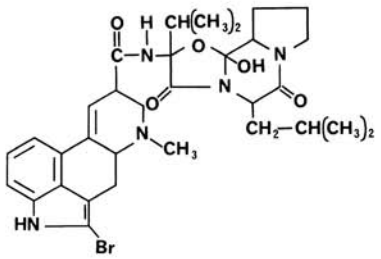

P-BROMOACETANILIDE IN KBR
FTIR
% TRANSMITTANCE
100
85
70
55
40
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D
1665
1530
1400
1304

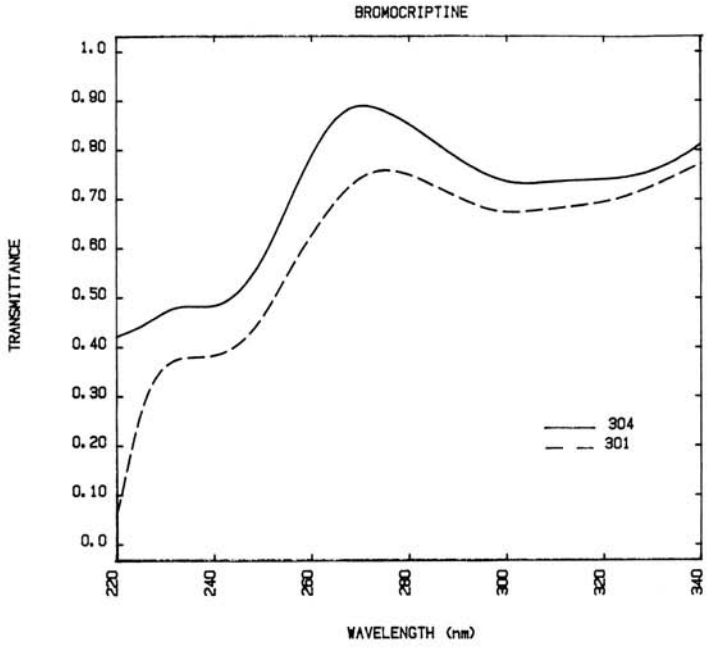
BROMOCRIPTINE

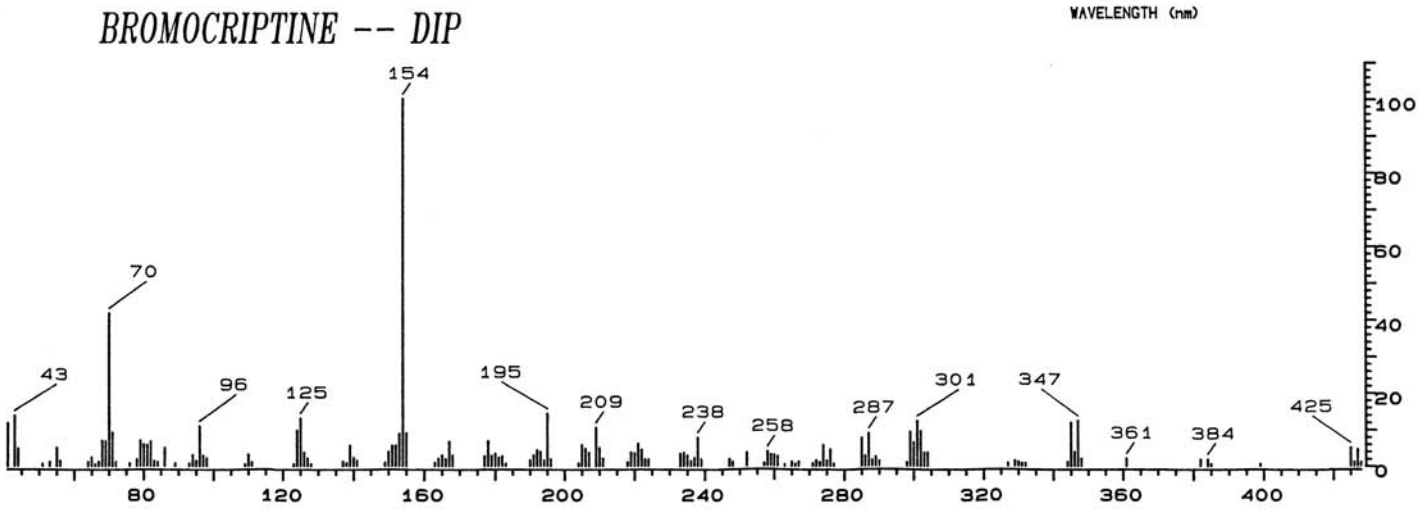
$C_{32}H_{40}BrN_5O_5$

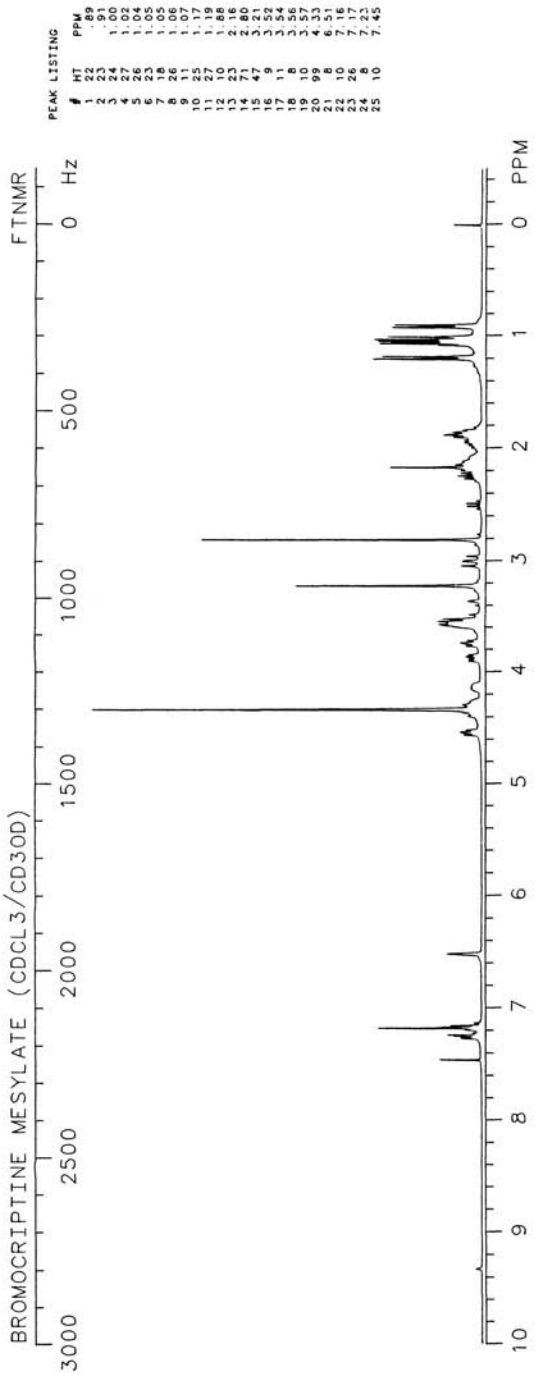
Molecular weight: 654.60 (653.22)
Synonyms: 2-Bromo-12'-hydroxy-2'-(1-methylethyl)-5'α-(2-methylpropyl)ergotaman-3',6',18-trione
Trade names: Parlodel

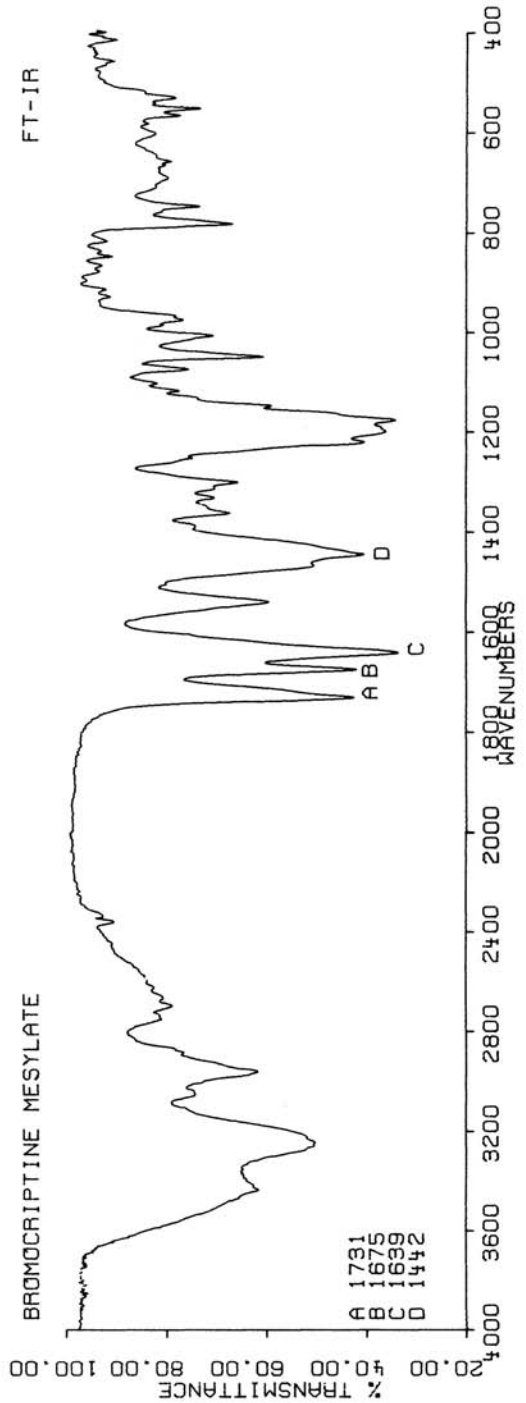
Use: Prolactin inhibitor
HPLC:
GC:








BROMOCRIPTINE MESYLATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 22 .89
2 23 .91
3 24 1.00
4 27 1.02
5 26 1.04
6 23 1.05
7 18 1.06
8 26 1.07
9 11 1.17
10 25 1.19
11 27 1.68
12 10 2.16
13 21 2.80
14 71 3.21
15 47 3.52
16 9 3.54
17 11 3.56
18 8 3.57
19 10 3.77
20 99 4.33
21 8 6.51
22 10 7.16
23 26 7.17
24 8 7.23
25 10 7.45


BROMOCRIPTINE MESYLATE
FT-IR
A 1731
B 1675
C 1639
D 1442
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

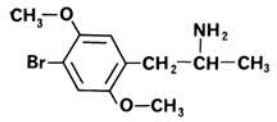
4-BROMO-2,5-DIMETHOXYAMPHETAMINE

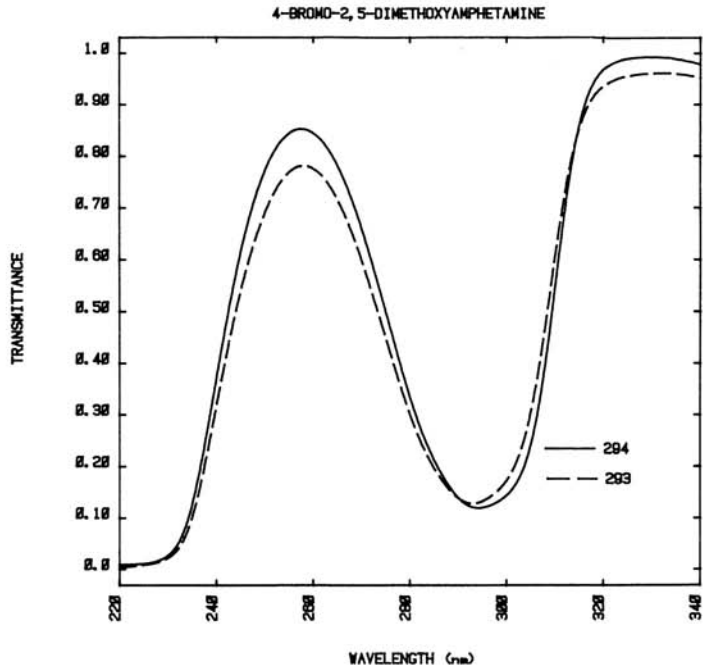
$C_{11}H_{16}BrNO_2$

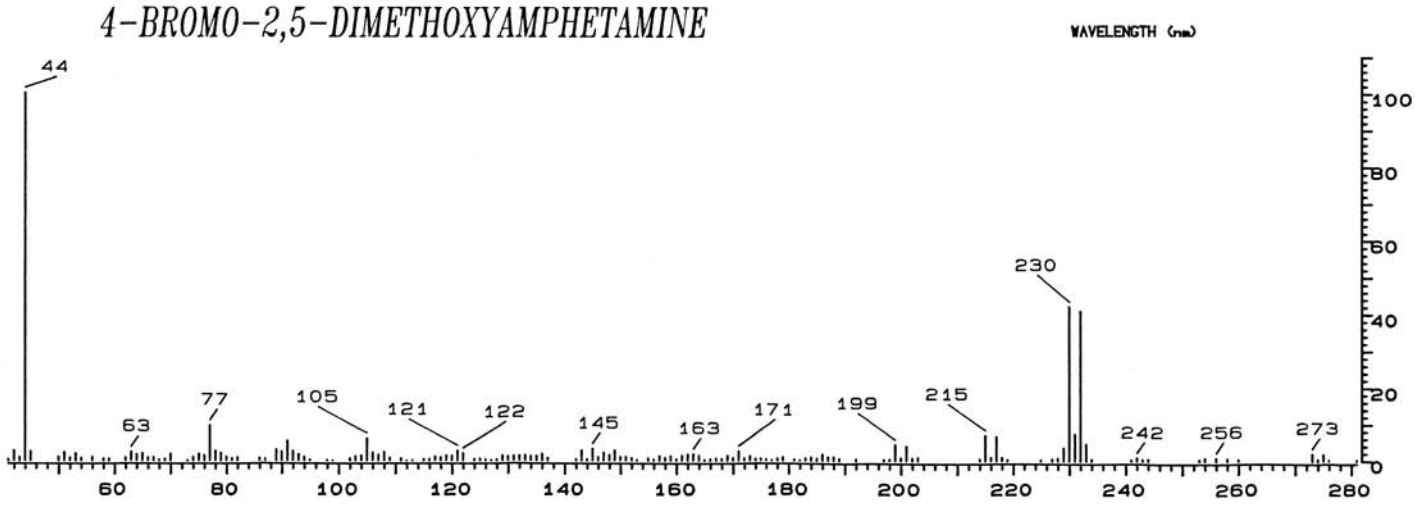
Molecular weight: 274.16 (273.04)
Synonyms: 4-Bromo-2,5-dimethoxy-α-methylbenzeneethanamine

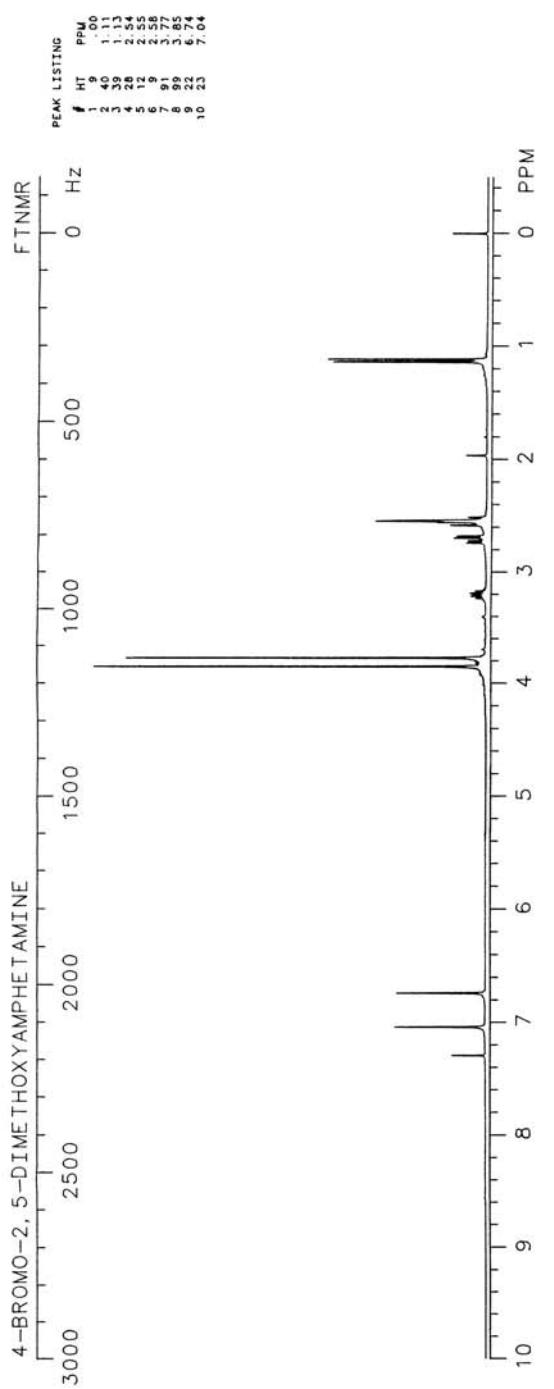
Trade names:

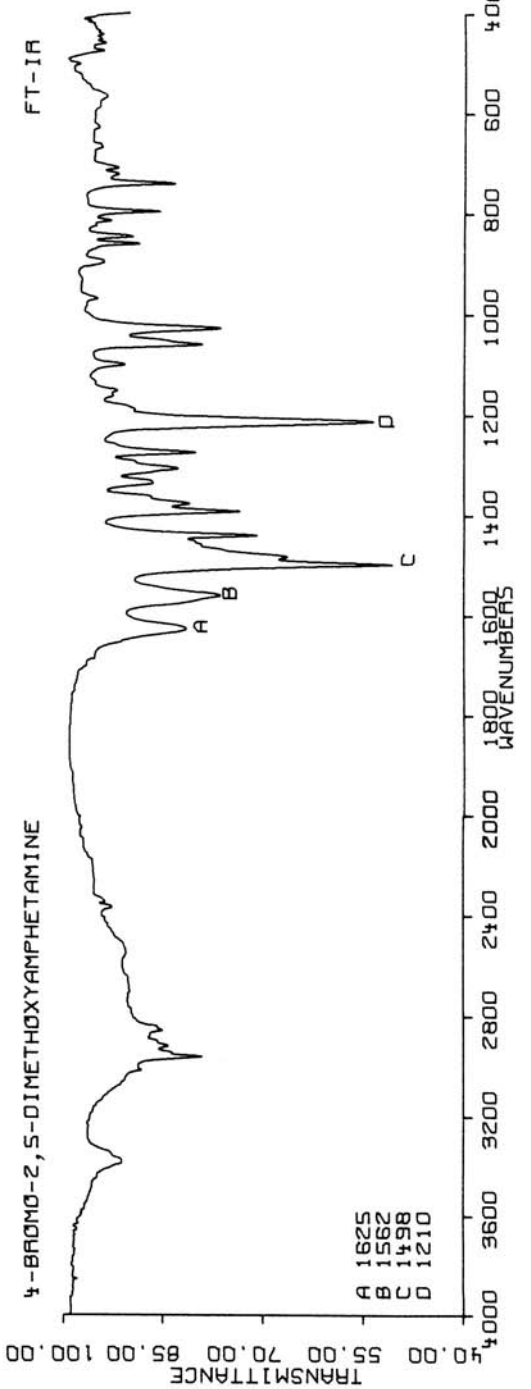
Use: Hallucinogen
HPLC: Si-10; 20A:80B; 4.5
GC: 1826; 200°C








4-BROMO-2, 5-DIMETHOXYAMPHETAMINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 40 1.11
2 39 1.13
3 28 2.54
4 12 2.55
5 9 2.58
6 91 3.77
7 99 3.85
8 22 6.74
9 23 7.04
10


4-BROMO-2, 5-DIMETHOXYAMPHETAMINE
FT-IR
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1625
B 1562
C 1498
D 1210

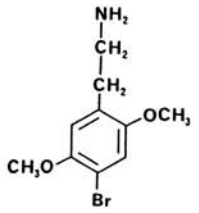
BROMO-2,5-DIMETHOXYPHENYLETHYLAMINE

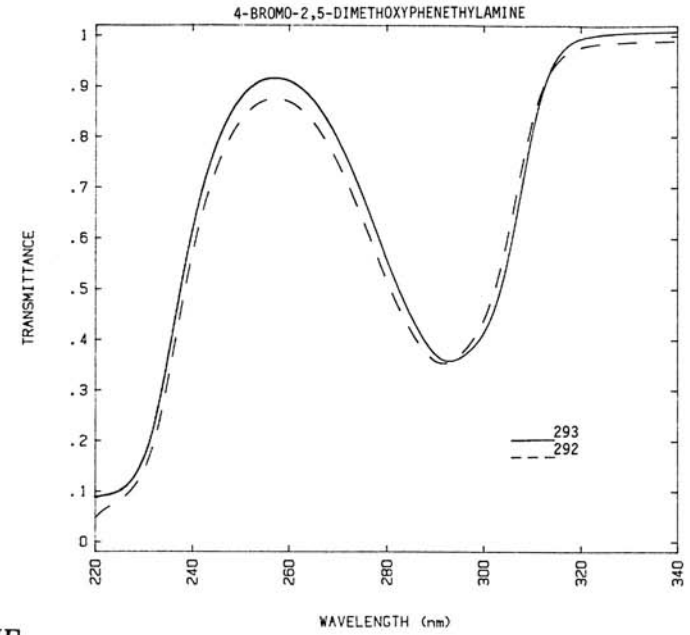
$C_{10}H_{14}BrNO_2$

Molecular weight: 260.13 (259.02)
Synonyms: 4-Bromo-2,5-dimethoxybenzenethanamine

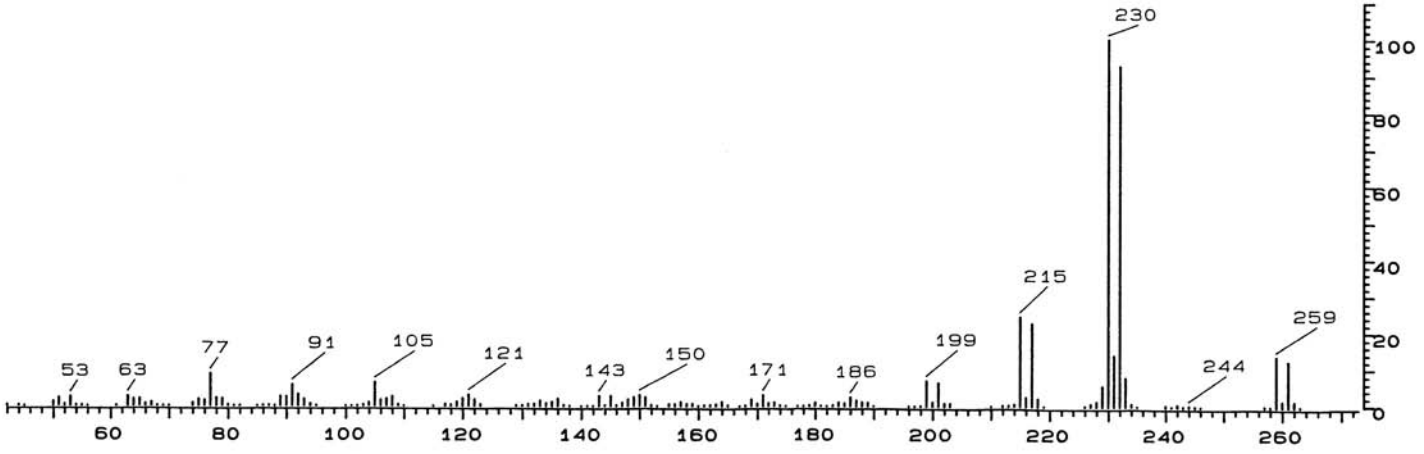
Trade names:

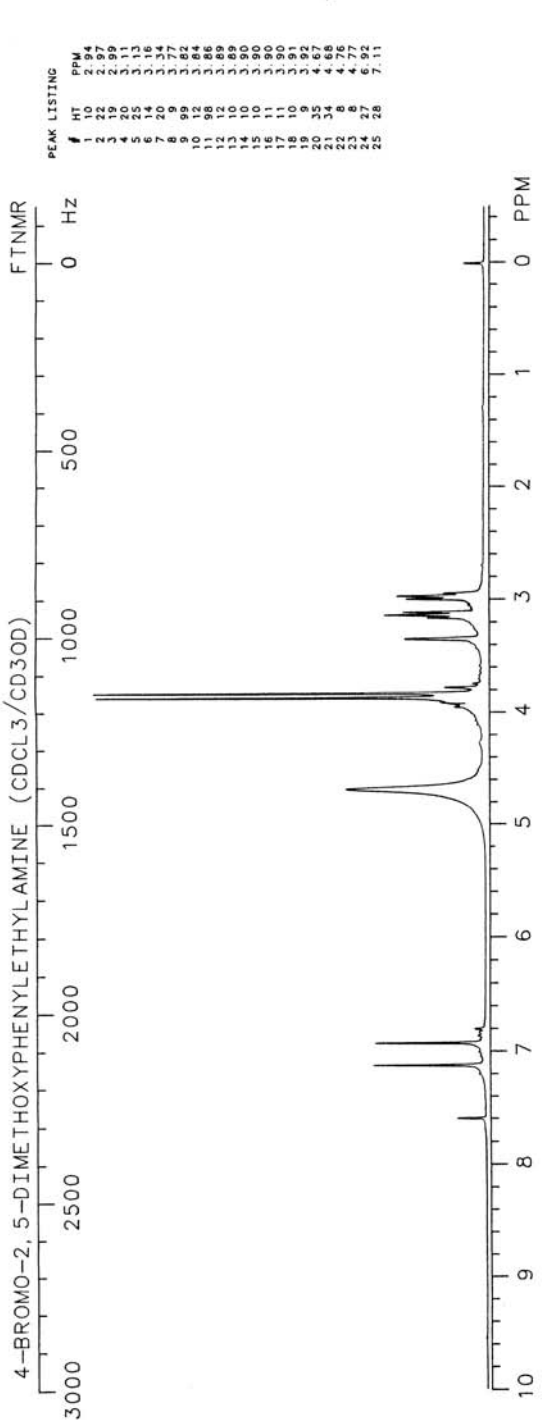
Use: Synthesis
HPLC: Si-10; 20A:80B; 3.7
GC: 1808; 200°C

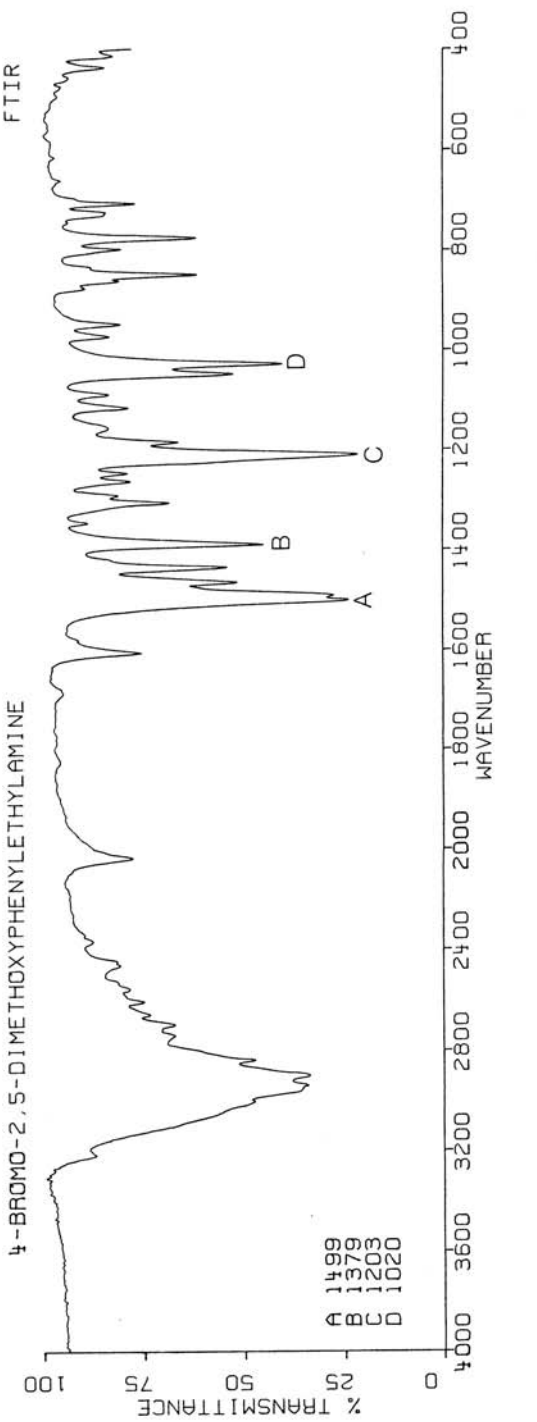




BROMO-2,5-DIMETHOXYPHENYLETHYLAMINE




4-BROMO-2,5-DIMETHOXYPHENYLETHYLAMINE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 10 2.94
2 22 2.97
3 19 2.99
4 20 3.11
5 25 3.13
6 14 3.16
7 20 3.74
8 9 3.77
9 99 3.82
10 12 3.84
11 98 3.86
12 12 3.89
13 10 3.89
14 10 3.90
15 10 3.90
16 11 3.90
17 11 3.91
18 10 3.92
19 9 4.67
20 35 4.68
21 14 4.76
22 8 4.77
23 8 6.92
24 27 7.11
25 28

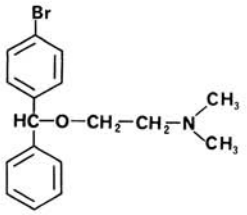

4-BROMO-2,5-DIMETHOXYPHENYLETHYLAMINE
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1499
B 1379
C 1203
D 1020

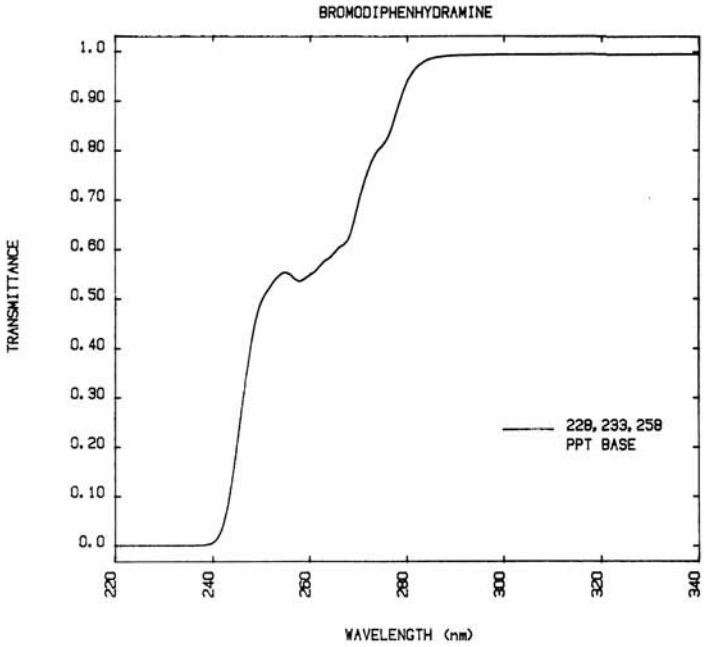
BROMODIPHENHYDRAMINE

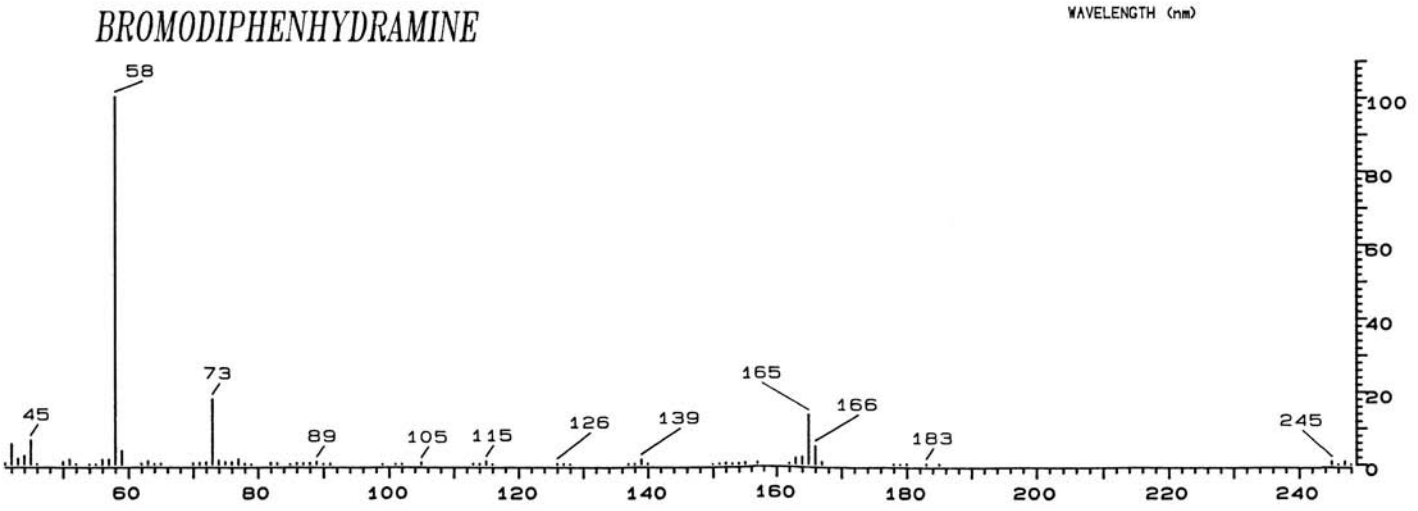
$C_{17}H_{20}BrNO$

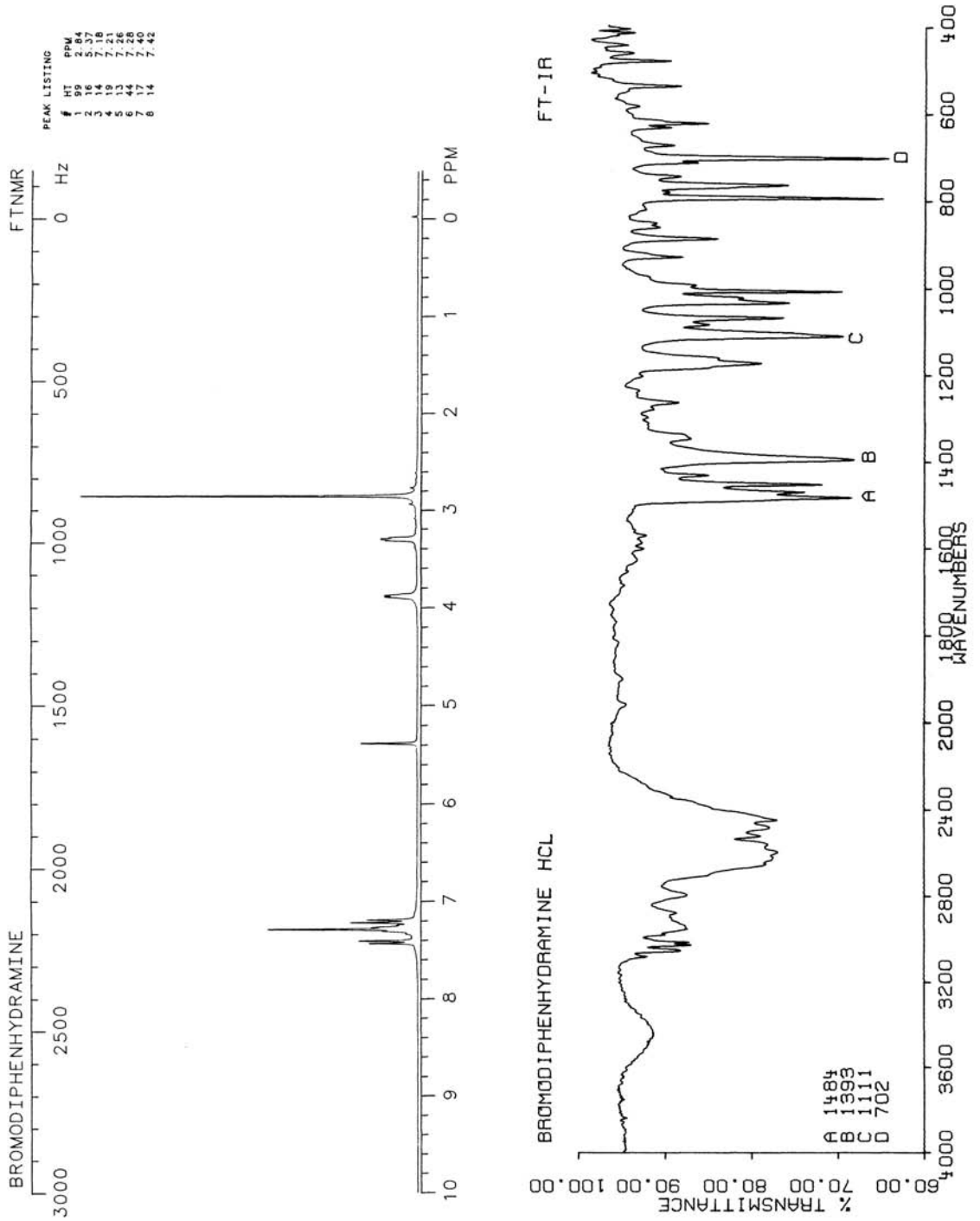
Molecular weight: 334.26 (333.07)
Synonyms: 2-[(4-Bromophenyl)-phenylmethoxy]-N,N-dimethyl-ethanamine; bromdiphenhydramine; bromazine
Trade names: Ambenyl

Use: Antihistaminic
HPLC: Si-10; 5A:95B; 5.0
GC: 2200; 250°C








BROMODIPHENHYDRAMINE
FTNMR
PEAK LISTING
HT PPM
1 89 2.44
2 16 5.37
3 14 7.18
4 19 7.21
5 13 7.26
6 44 7.28
7 17 7.40
8 14 7.42
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BROMODIPHENHYDRAMINE HCL
FT-IR
A 1484
B 1393
C 1111
D 702
A B C D
% TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

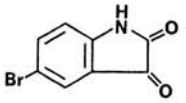
5-BROMOISATIN

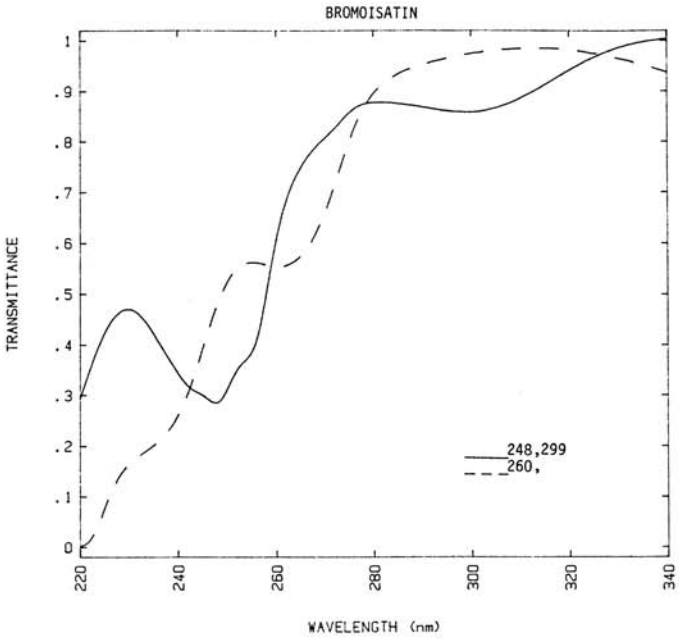
$C_8H_4BrNO_2$

Molecular weight: 226.02 (224.94)
Synonyms: Bromoisatin

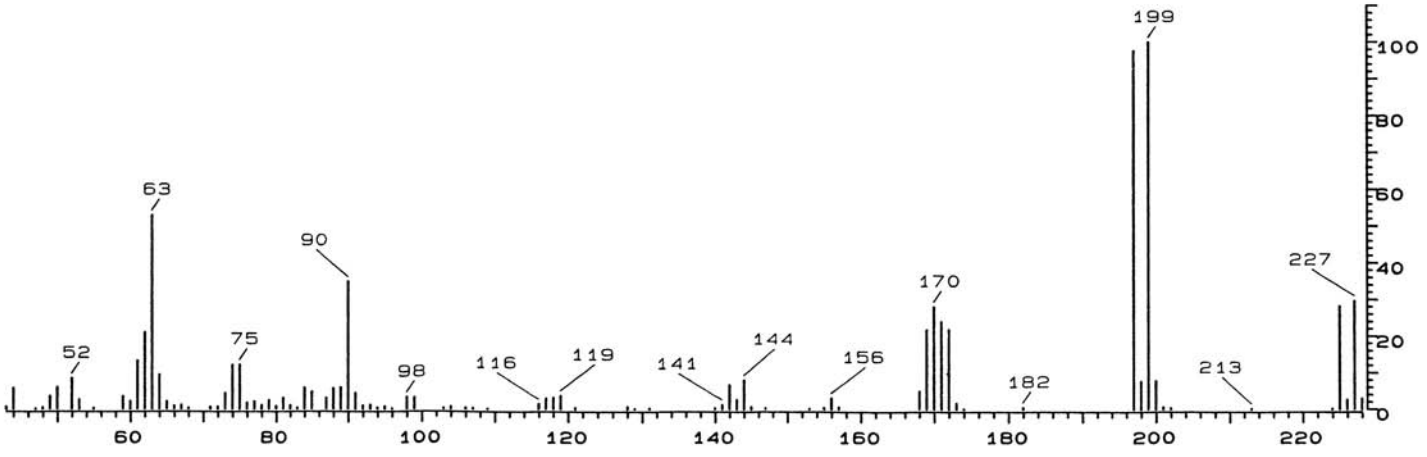
Trade names:

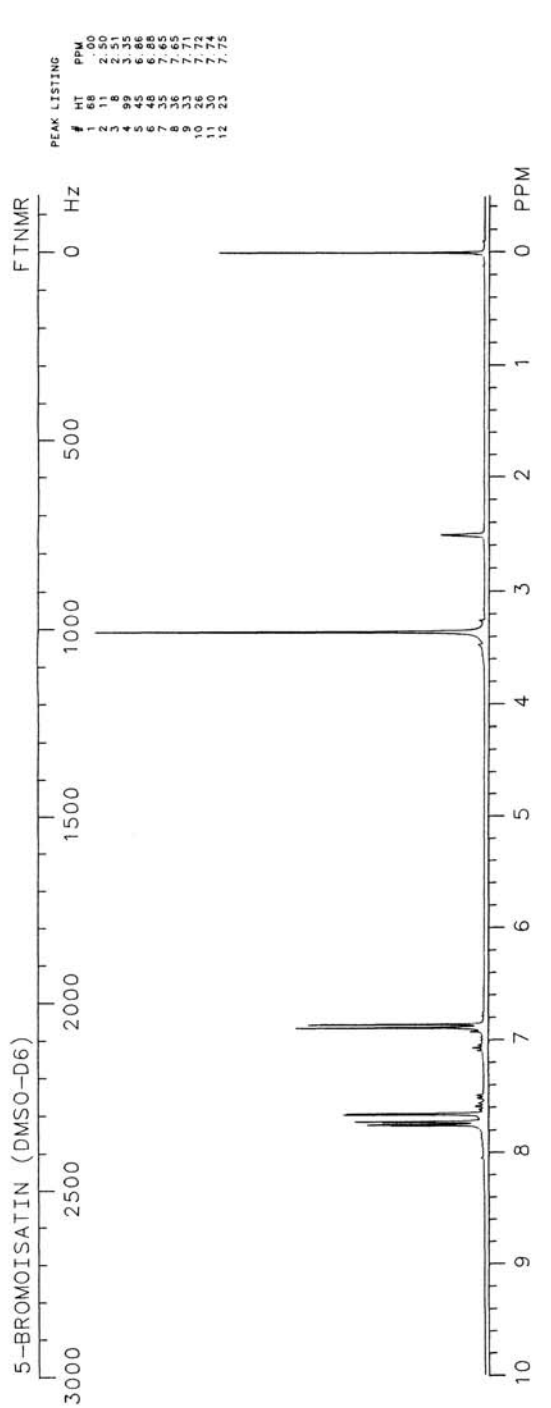
Use: Synthesis
HPLC: Si-10; 100B; 6.5
GC: 2058; 250°C

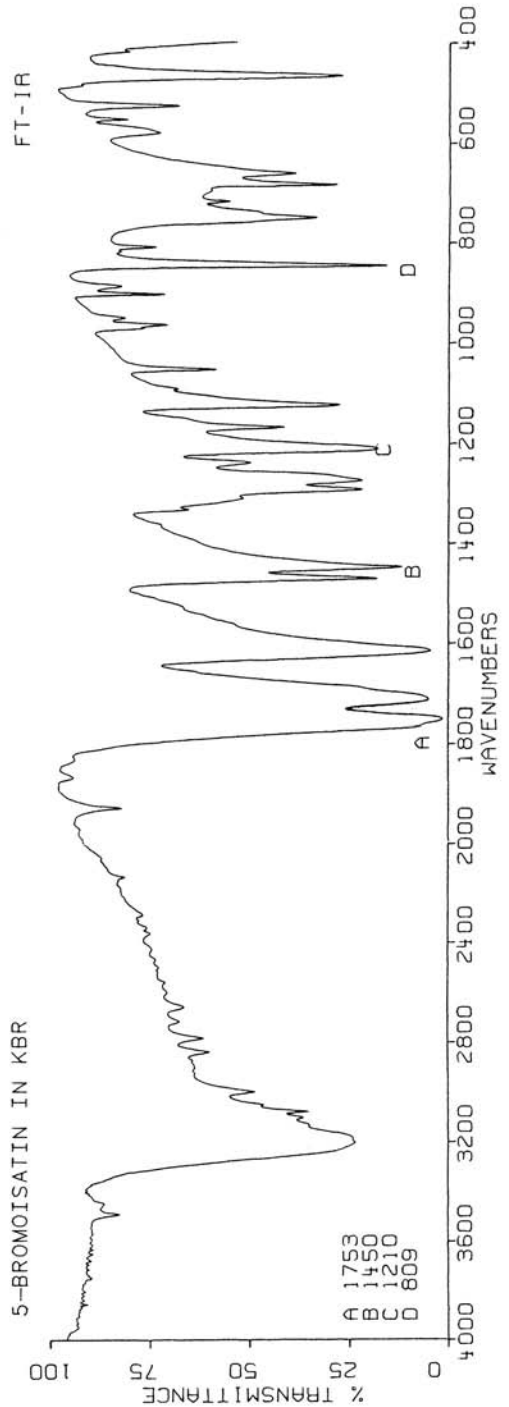




5-BROMOISATIN




FTNMR
5-BROMOISATIN (DMSO-D6)
PEAK LISTING
HT PPM
1 68 .00
2 61 2.50
3 11 2.51
4 99 3.35
5 45 6.86
6 48 6.88
7 35 7.65
8 36 7.71
9 33 7.72
10 26 7.74
11 30 7.75
12 23
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

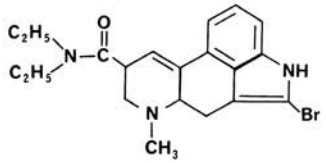

FT-IR
5-BROMOISATIN IN KBR
A 1753
B 1450
C 1210
D 809
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

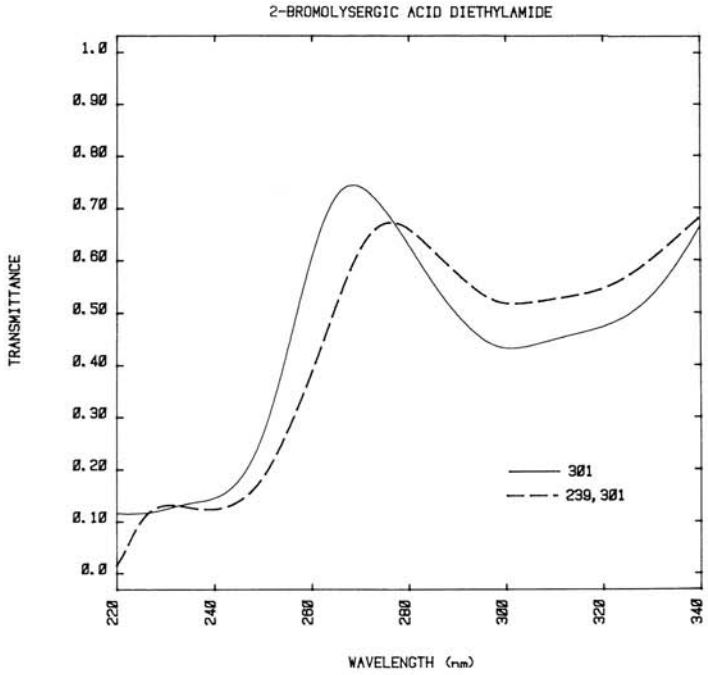
2-BROMOLYSERGIC ACID DIETHYLAMIDE

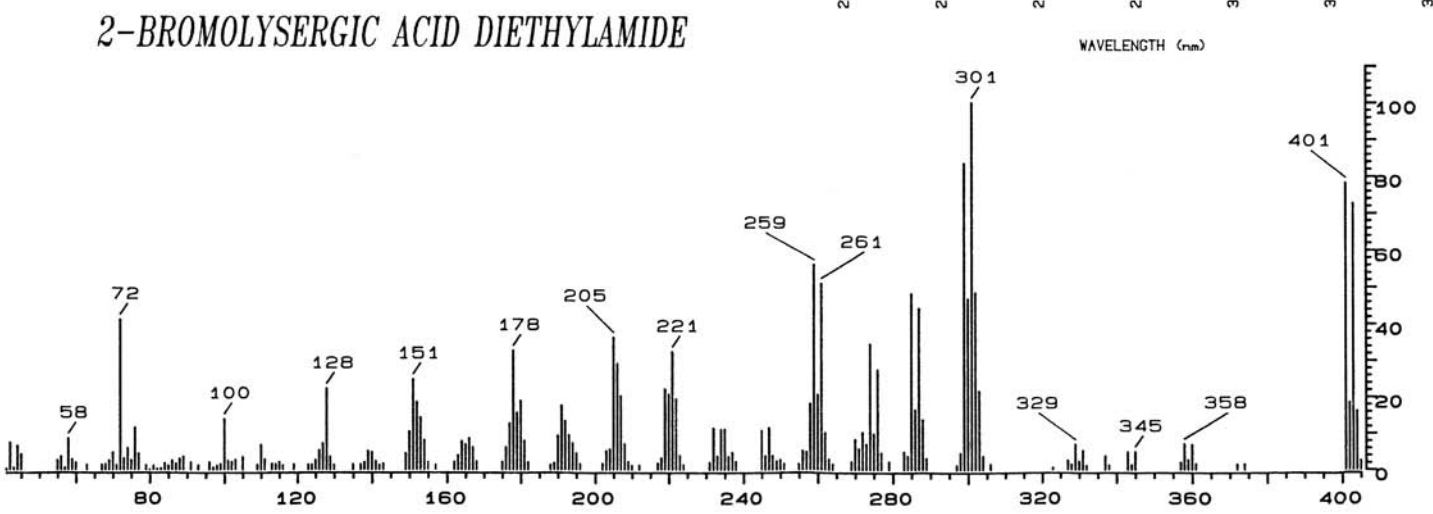
$C_{20}H_{24}BrN_3O$

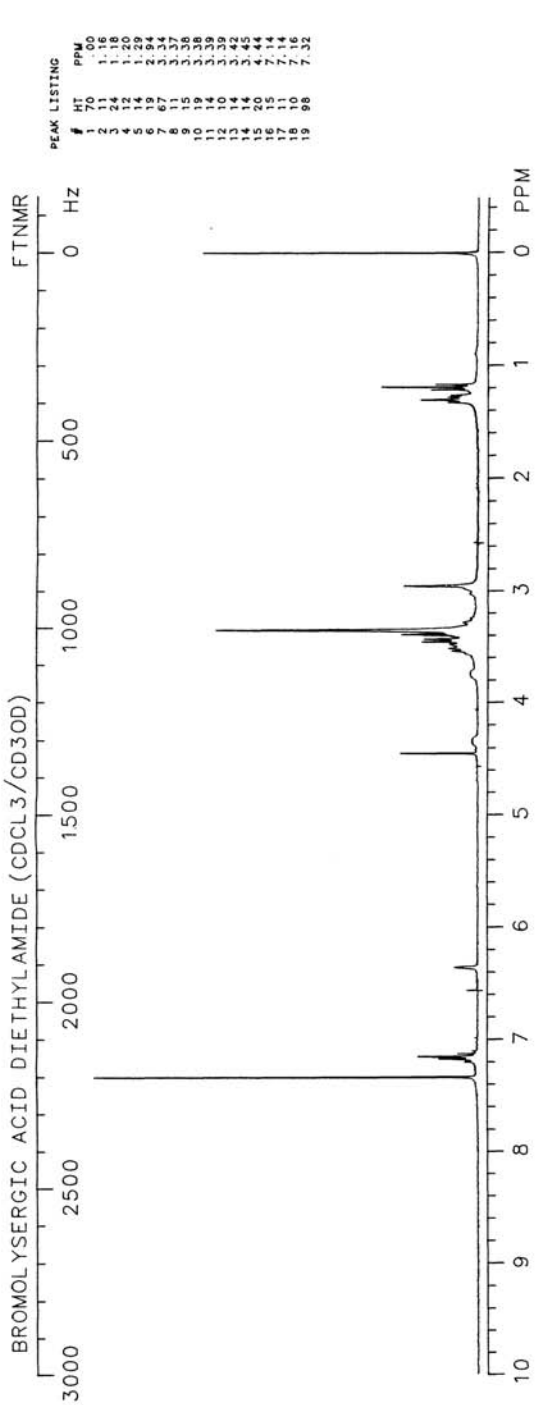
Molecular weight: 402.33 (401.10)
Synonyms: 2-Bromo-9,10-didehydro-N,N-diethyl-6-methylergoline-8β-carboxamide; 2-bromo-N,N-diethyl-d-lysergamide; bromo-LSD
Trade names:

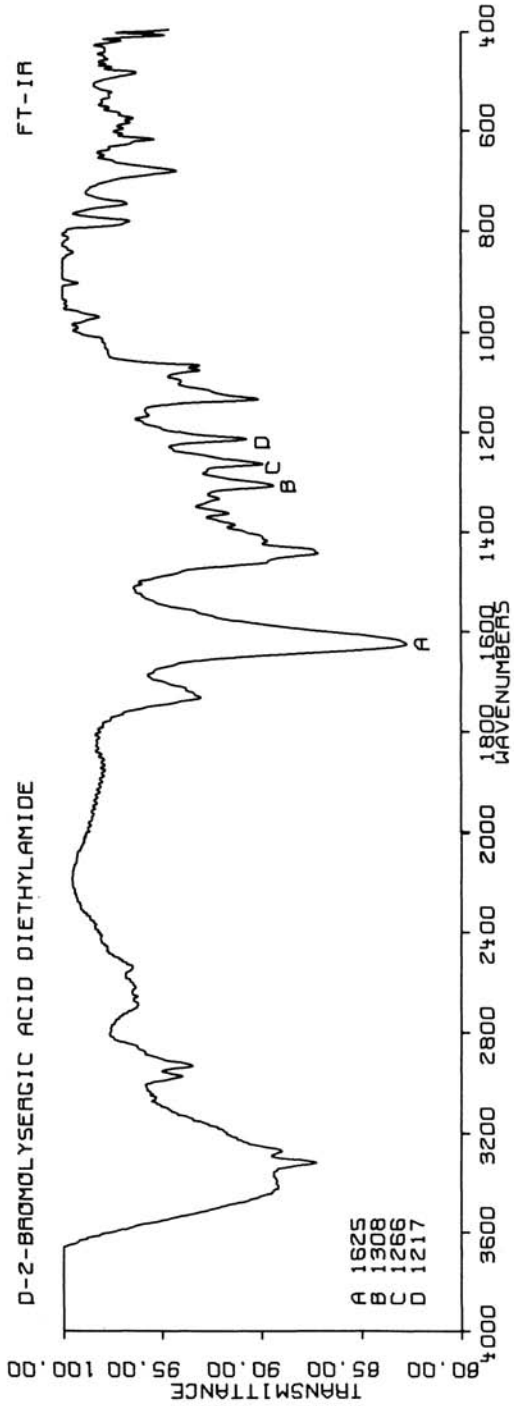
Use: Hallucinogen
HPLC:
GC:








BROMOLYSERGIC ACID DIETHYLAMIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 70 1.00
2 11 1.16
3 24 1.18
4 12 1.20
5 14 1.29
6 19 1.94
7 67 3.34
8 11 3.37
9 15 3.38
10 19 3.38
11 14 3.39
12 10 3.39
13 14 3.42
14 14 3.45
15 20 4.44
16 15 7.14
17 11 7.14
18 10 7.16
19 98 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


D-2-BROMOLYSERGIC ACID DIETHYLAMIDE
FT-IR
A 1625
B 1308
C 1266
D 1217
A
B
C
D
TRANSMITTANCE
100.00 95.00 90.00 85.00 80.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

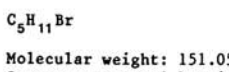
BROMO-3-METHYLBUTANE

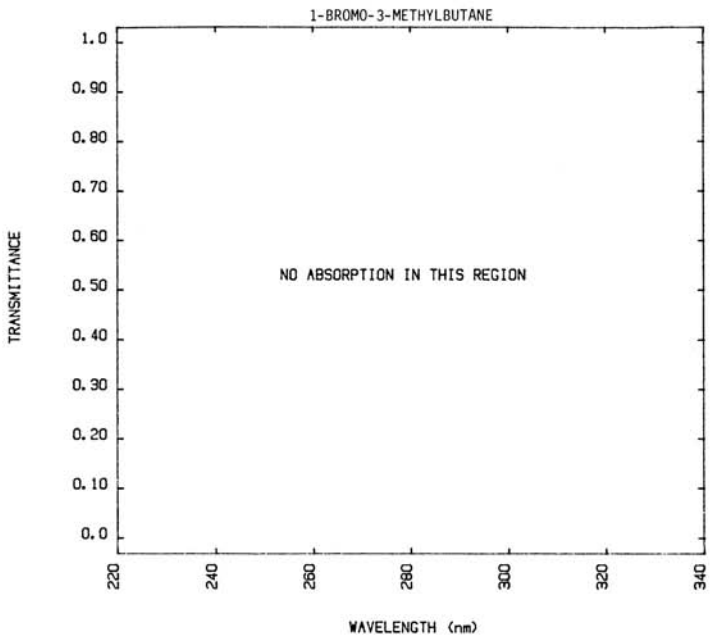
$C_5H_{11}Br$

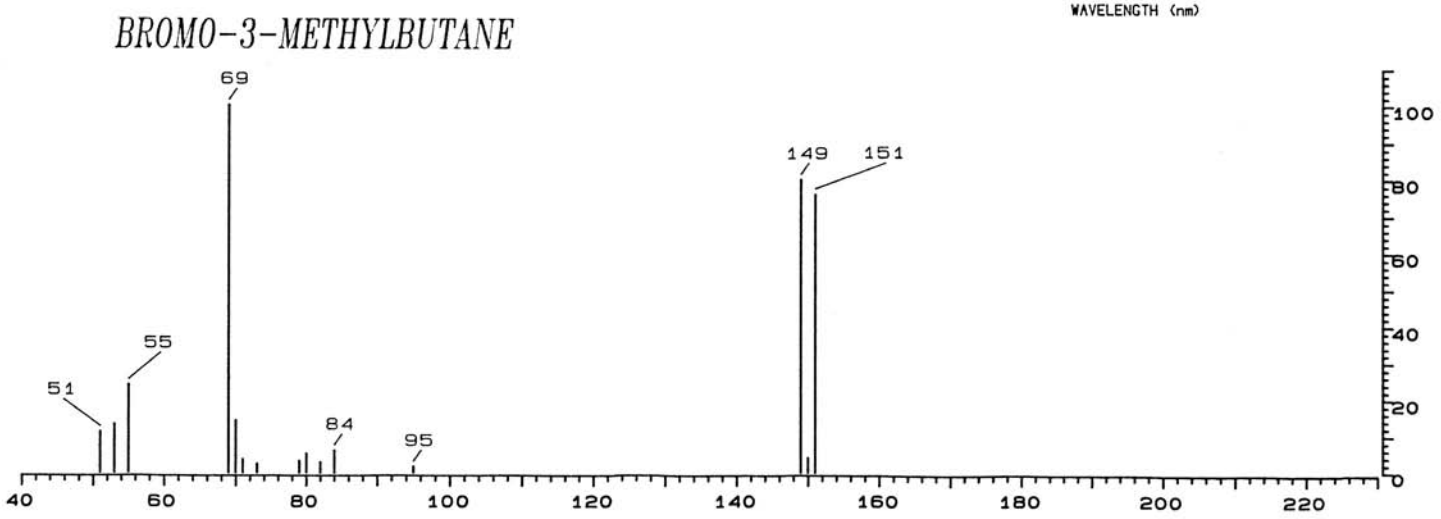
Molecular weight: 151.05 (150.00)
Synonyms: Isoamyl bromide

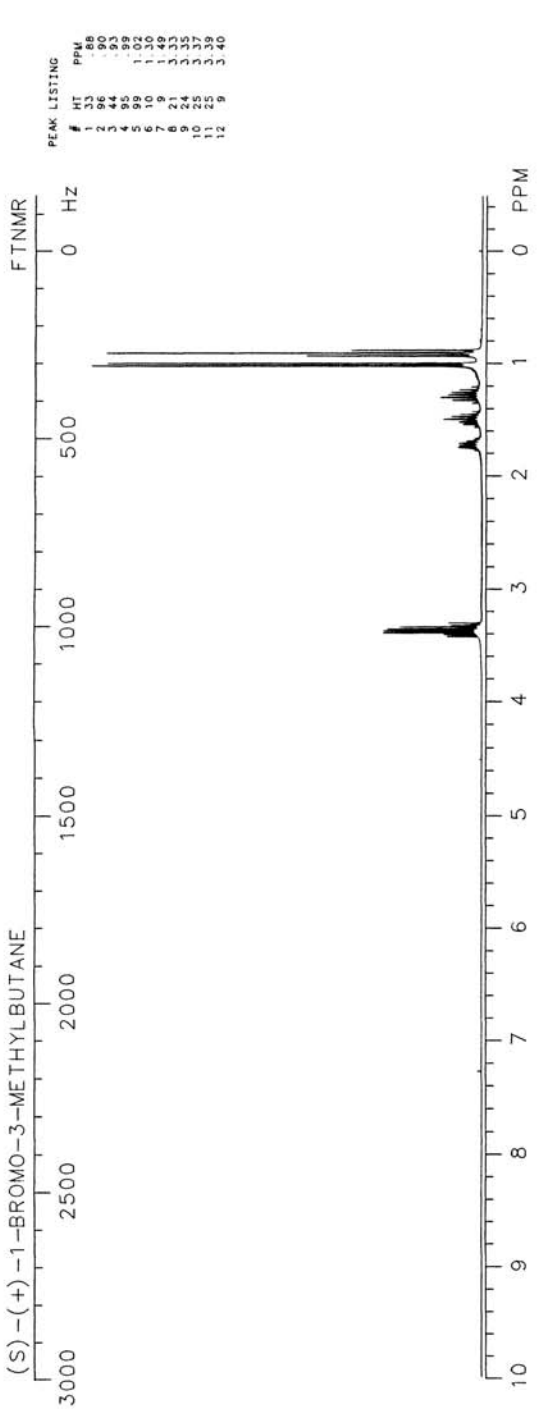
Trade names:

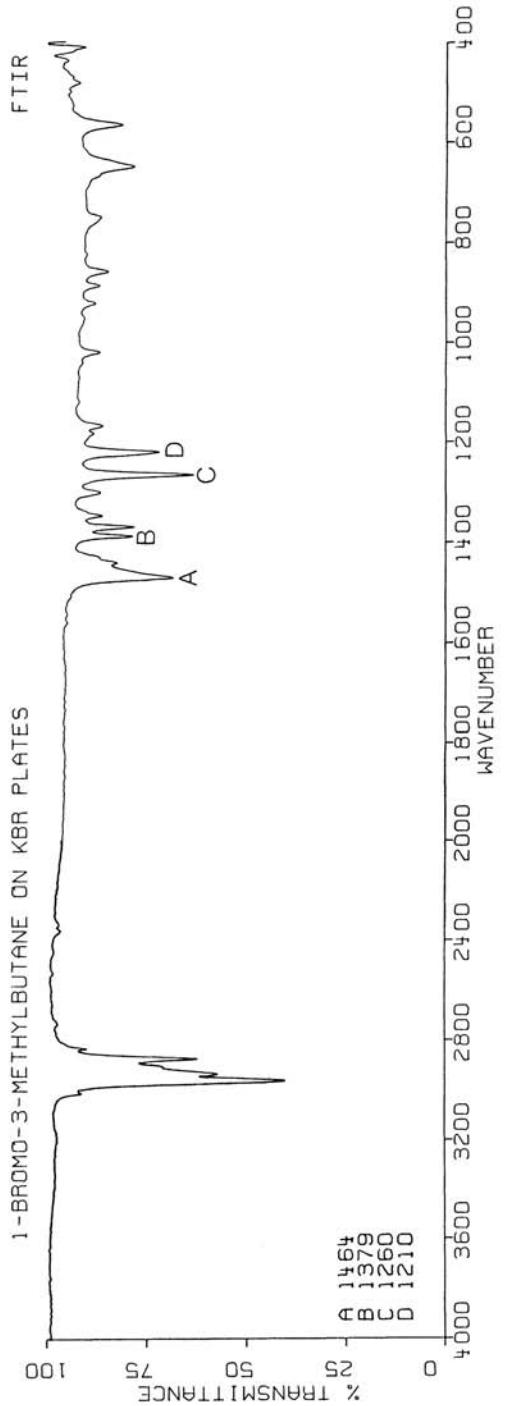
Use: Synthesis
HPLC:
GC: 754; 80°C








(S)-(+)-1-BROMO-3-METHYLBUTANE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 13 .88
2 96 .90
3 44 .93
4 95 .99
5 99 1.02
6 10 1.30
7 9 1.49
8 21 3.35
9 24 3.37
10 25 3.39
11 25 3.40
12 9


1-BROMO-3-METHYLBUTANE ON KBR PLATES
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D
A 1464
B 1379
C 1260
D 1210

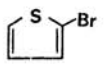
BROMOTHIOPHENE

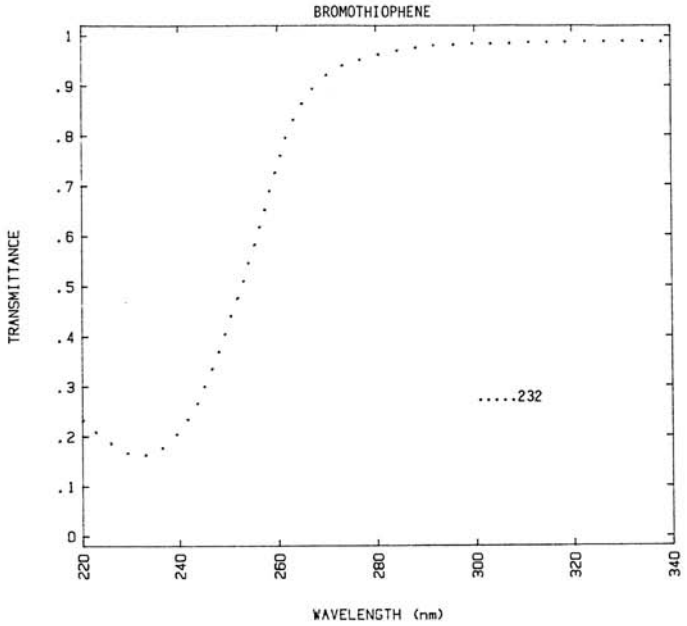
C_4H_3BrS

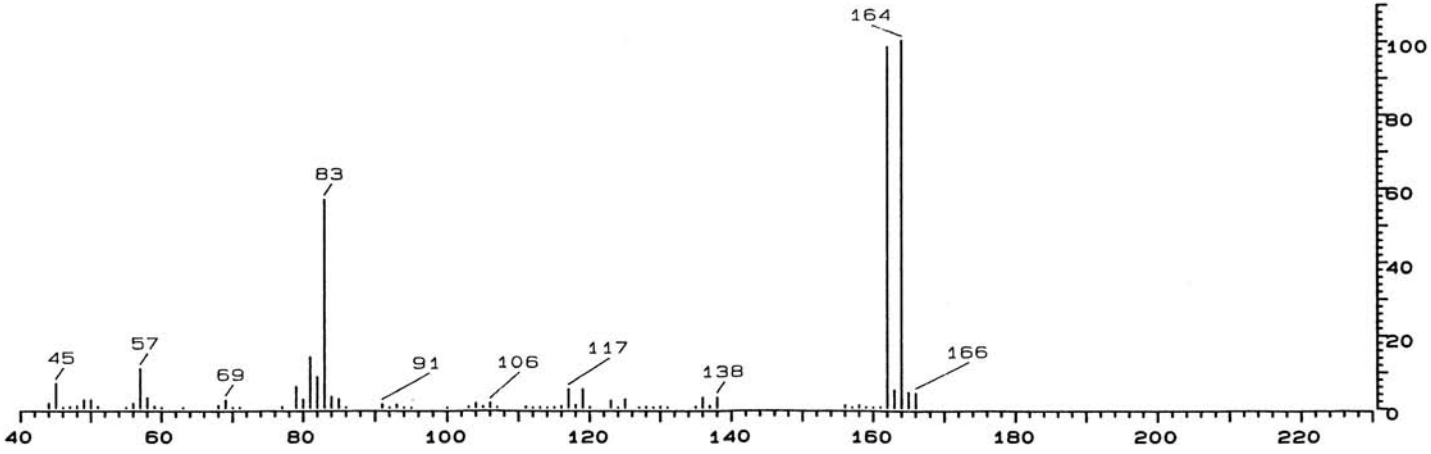
Molecular weight: 163.04 (161.91)
Synonyms: Bromothiophene

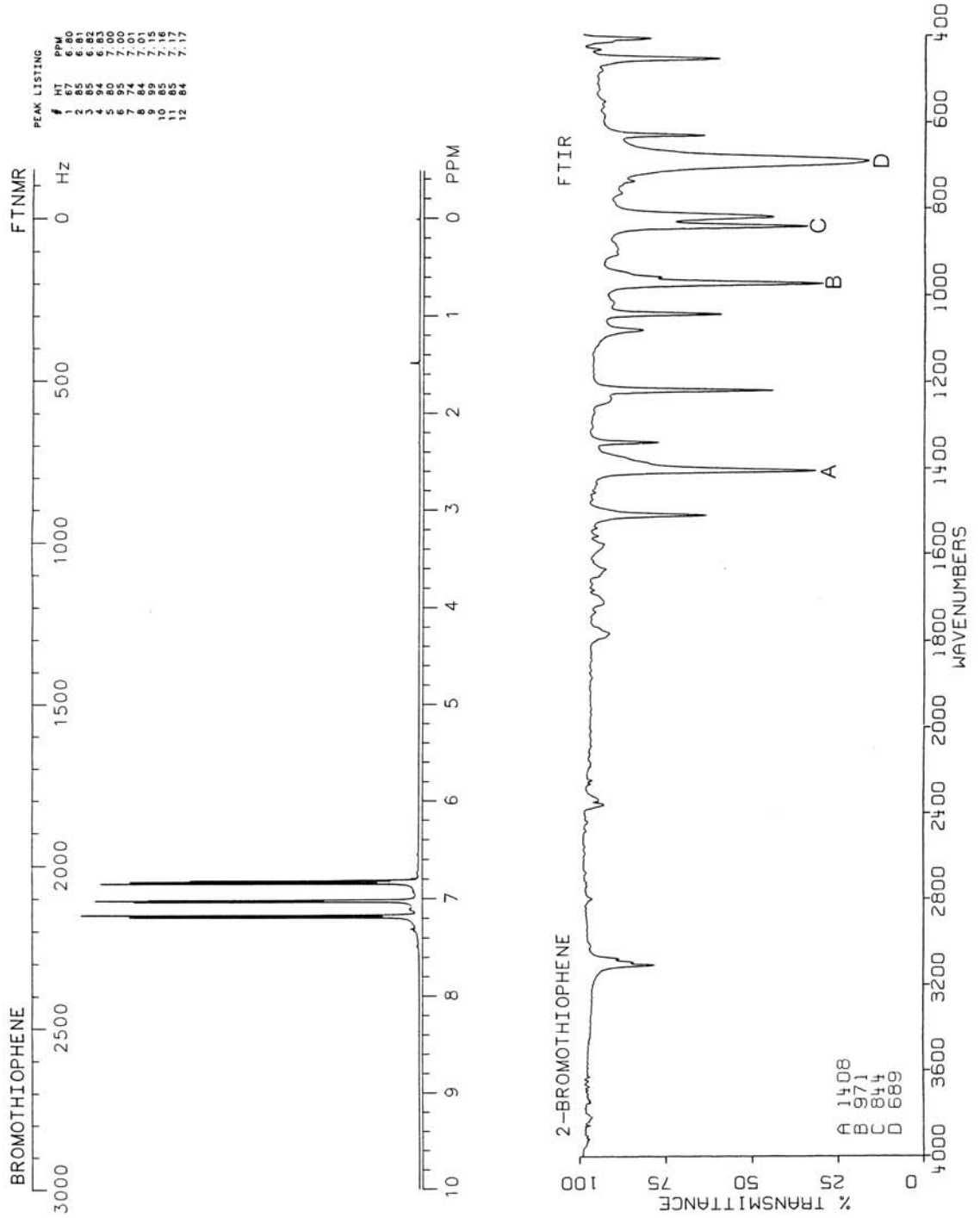
Trade names:

Use: Synthesis
HPLC:
GC:








BROMOTHIOPHENE
FTNMR
PEAK LISTING
HT PPM
1 67 6.80
2 85 6.81
3 85 6.82
4 94 6.83
5 80 7.00
6 95 7.01
7 74 7.01
8 84 7.01
9 99 7.15
10 85 7.16
11 85 7.17
12 84 7.17
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
2-BROMOTHIOPHENE
FTIR
A 1408
B 971
C 844
D 689
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

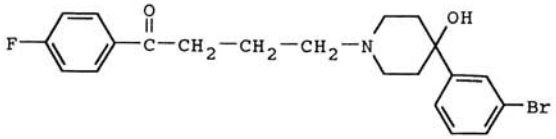
BROMPERIDOL

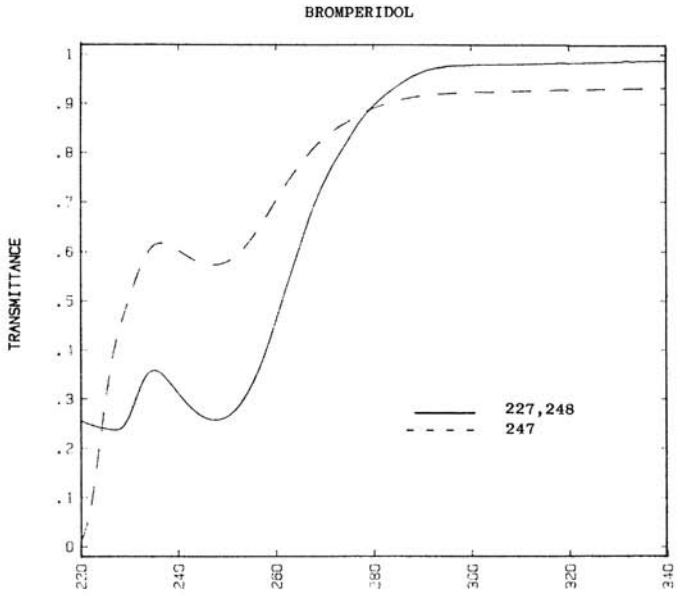
$C_{21}H_{23}BrFNO_2$

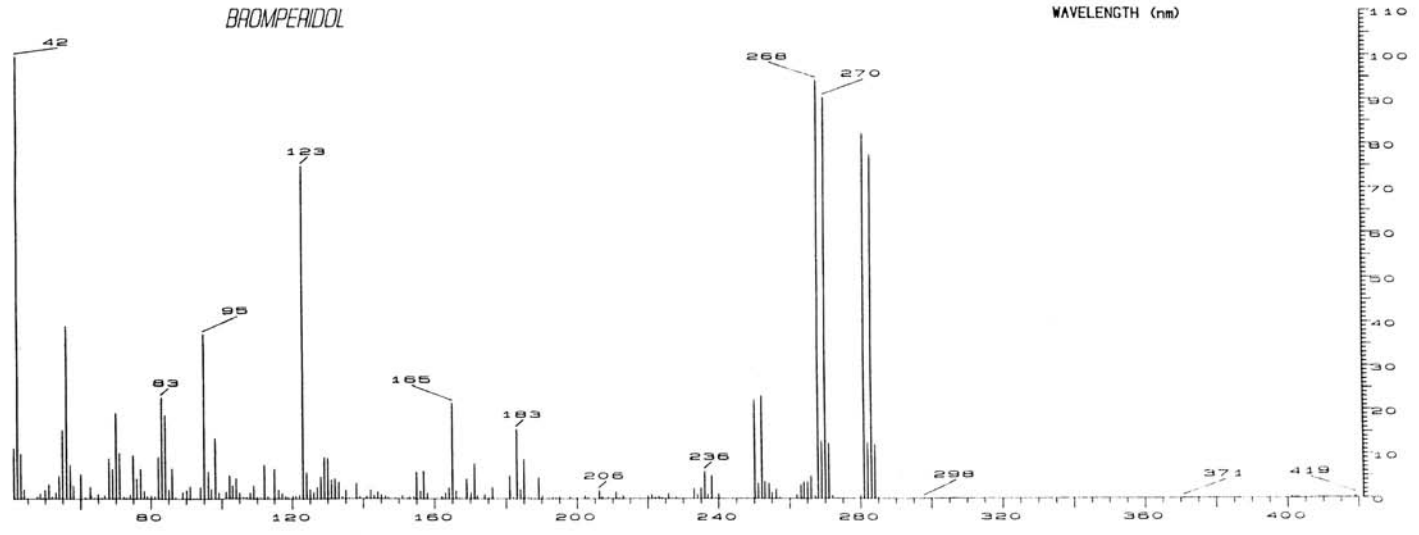
Molecular weight: 420.33 (419.09)

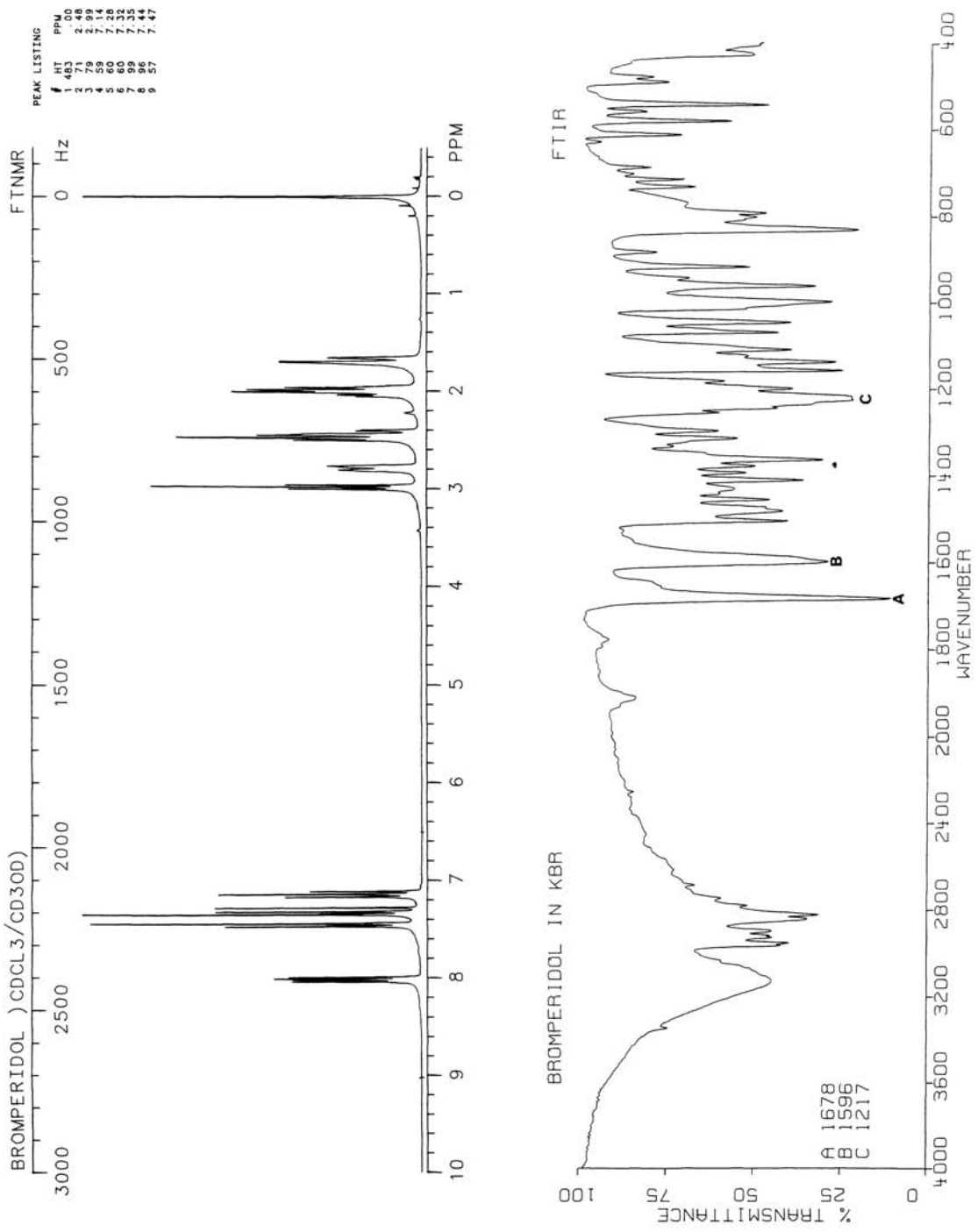
Synonyms: 4-[4-(4-Bromophenyl)-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone
Trade names: Azurene, Impromen, Tesoprel

Use: Antipsychotic
HPLC: 70A:30B; 3.4
GC: 3102; 280°







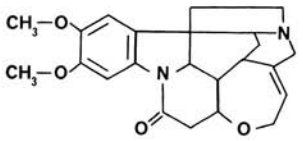

FTNMR
BROMPERIDOL)CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 483 .00
2 71 2.48
3 79 2.99
4 58 7.14
5 60 7.28
6 60 7.32
7 99 7.35
8 96 7.44
9 57 7.47
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
BROMPERIDOL IN KBR
A 1678
B 1596
C 1217
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

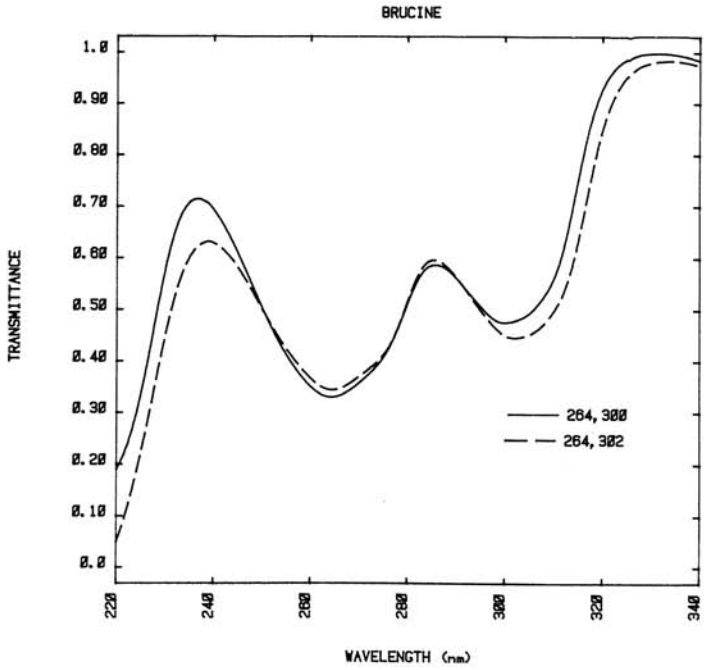
BRUCINE

$C_{23}H_{26}N_2O_4$

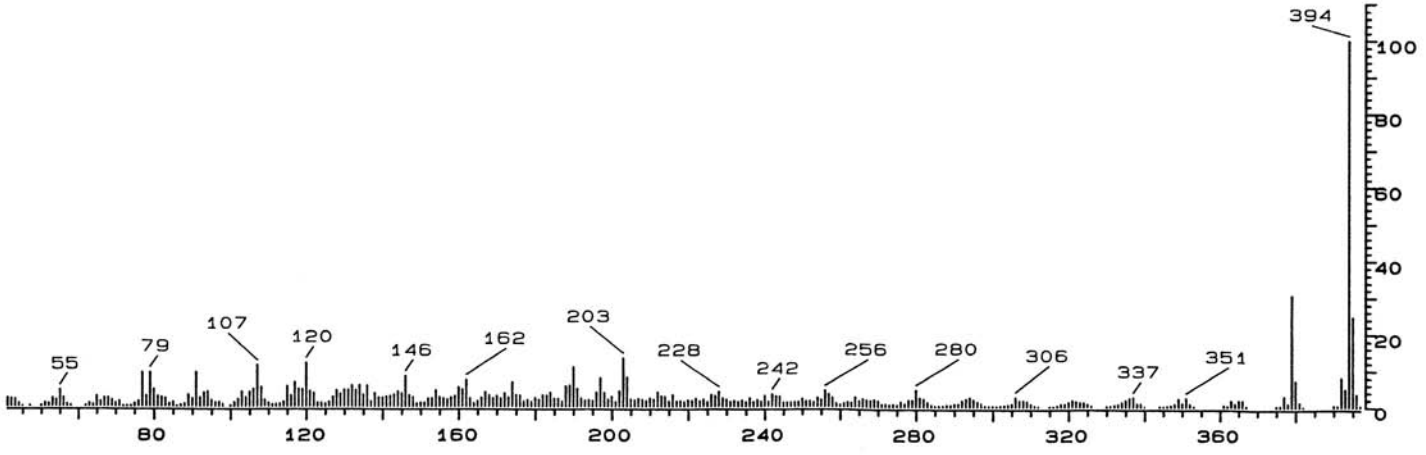
Molecular weight: 394.47 (394.19)
Synonyms: 2,3-Dimethoxystrychnidin-10-one; 10,11-dimethoxy-strychnine
Trade names:

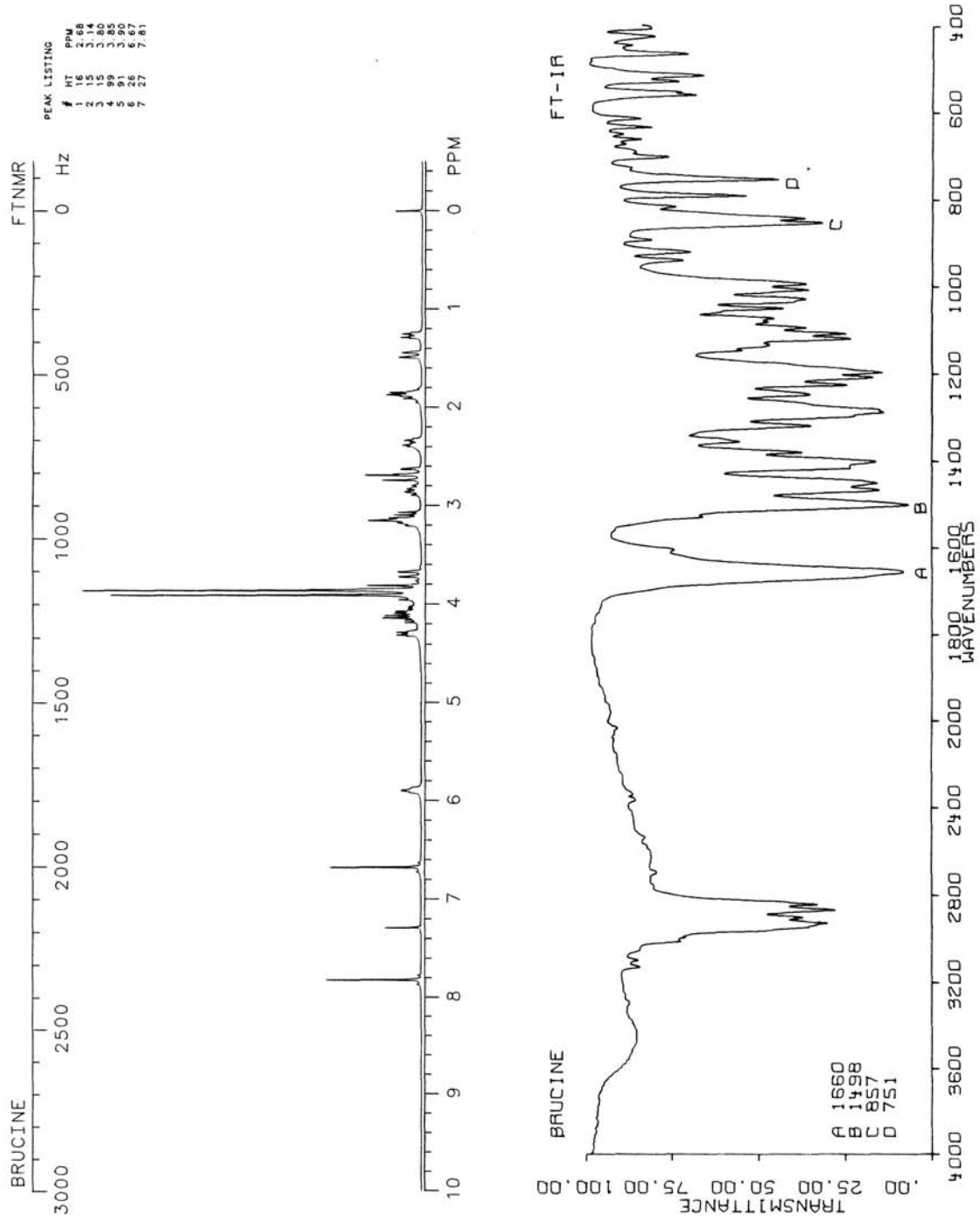
Use: Central stimulant
HPLC: Si-10; 20A:80B; 5.0
GC: 3572; 280°C





BRUCINE

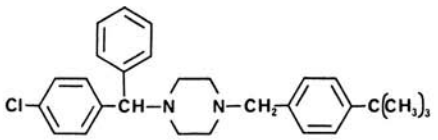


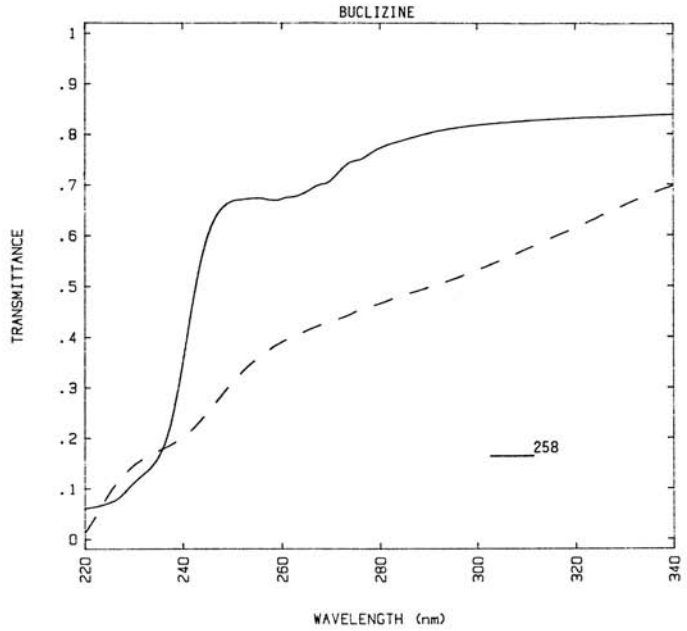

BRUCINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 16 2.88
2 15 3.14
3 15 3.80
4 99 3.85
5 91 3.90
6 26 6.67
7 27 7.81
10 9 8 7 6 5 4 3 2 1 0 PPM
BRUCINE
FT-IR
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
A 1660
B 1498
C 857
D 751
A B C D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

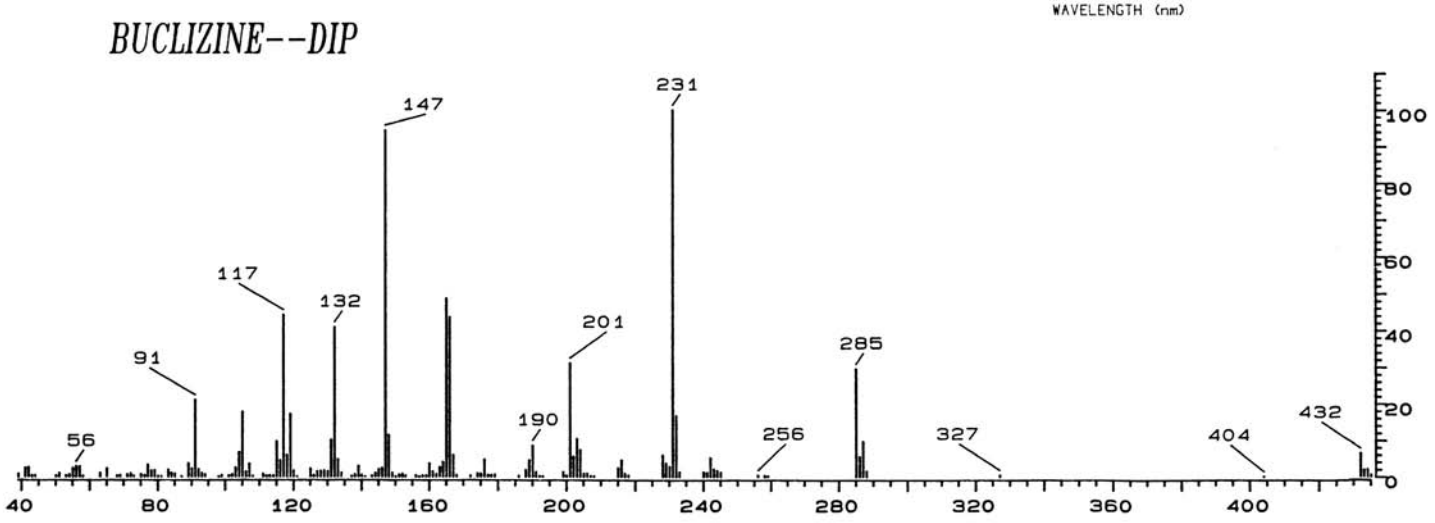
BUCLIZINE

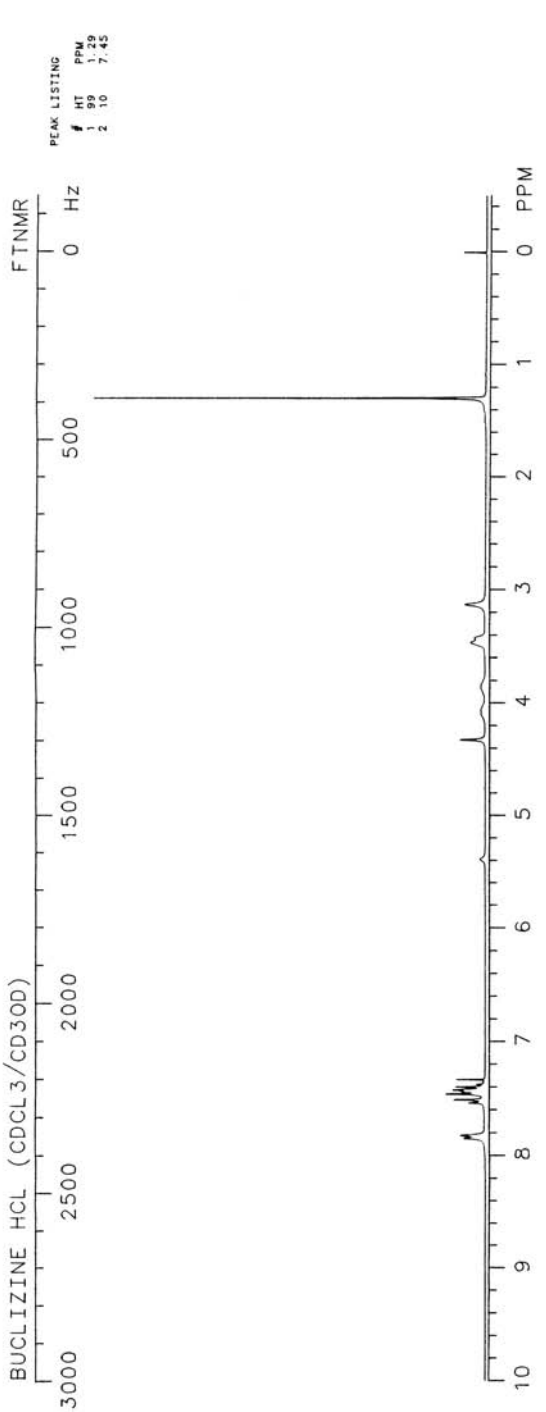
$C_{28}H_{33}ClN_2$

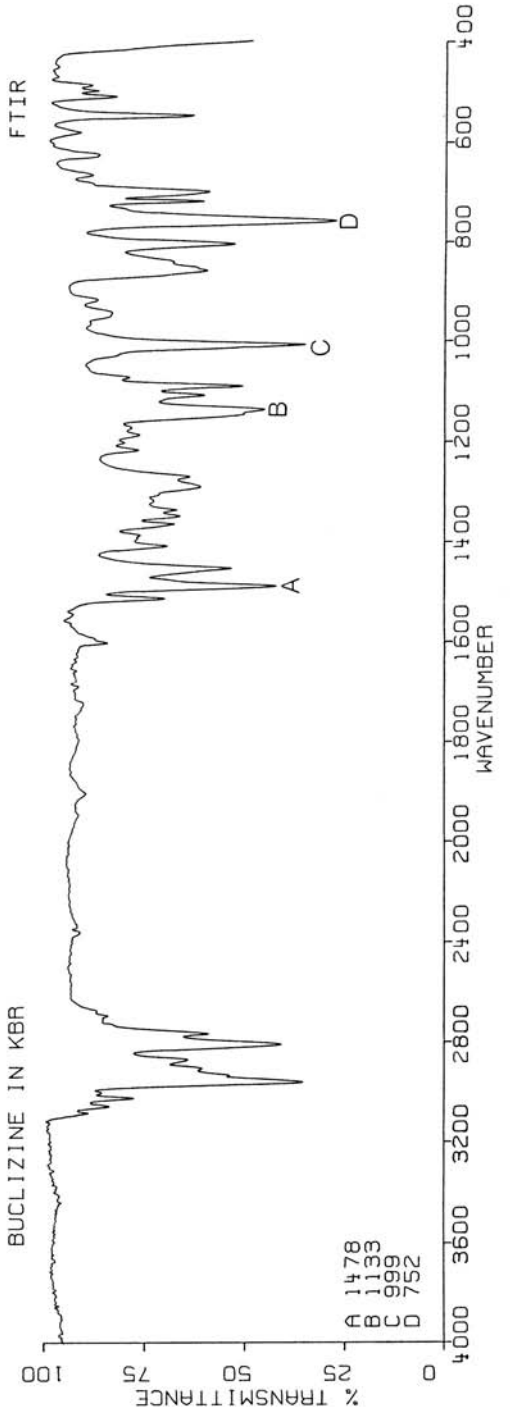
Molecular weight: 433.04 (432.23)
Synonyms: 1-[(4-Chlorophenyl)phenylmethyl]-4-[[4-(1,1-dimethylethyl)-phenyl]methyl]piperazine; histabutyzine; histabutizine
Trade names: Aphilan, Bucladin-S, Buclina, Buclifen, Equivert, Longifene, Posdel, Postafen, Softran, Vibazine
Use: Antinauseant
HPLC:
GC: 3306; 280°C








BUCLIZINE HCL (CDCL3/CD3OD)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 99 1.29
2 10 7.45
10
9
8
7
6
5
4
3
2
1
0 PPM


BUCLIZINE IN KBR
FTIR
A 1478
B 1133
C 999
D 752
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

BUDESONIDE

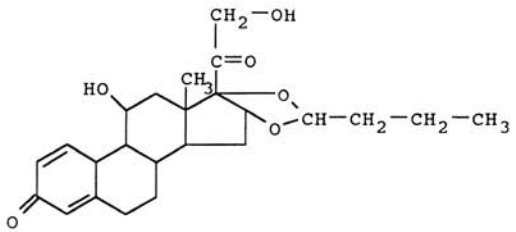
$C_{25}H_{34}O_6$

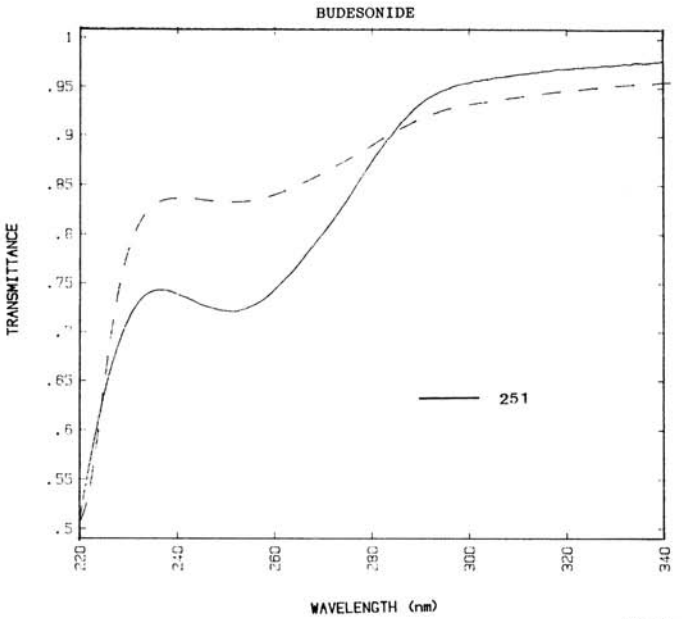
Molecular weight: 430.55 (430.24)

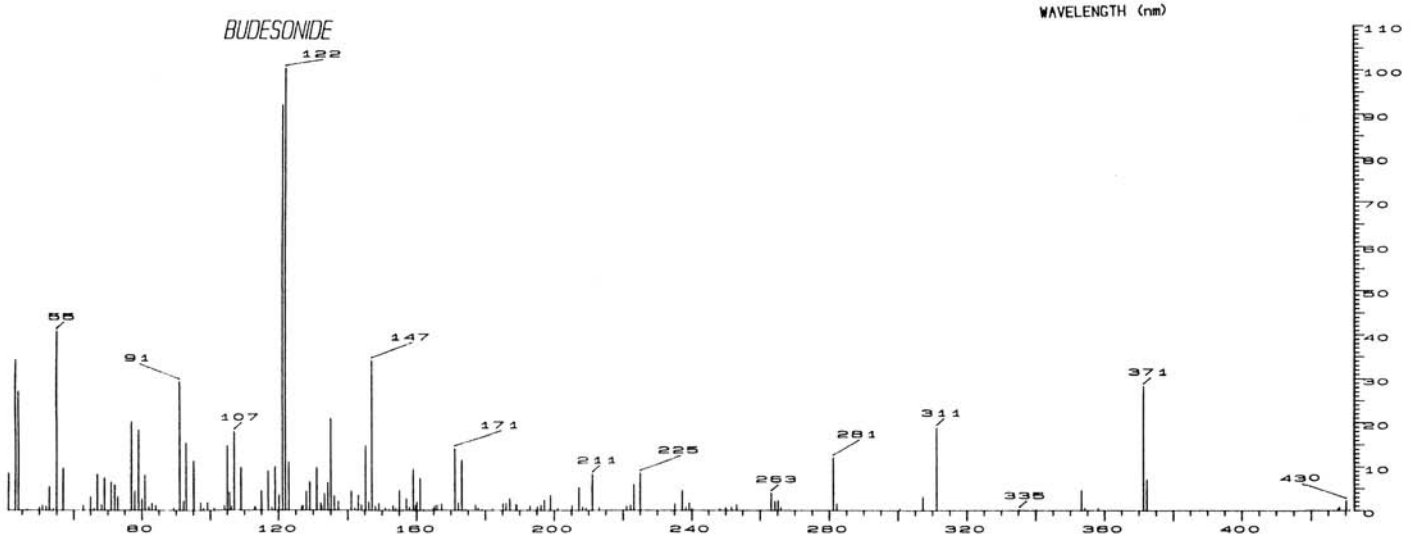
Synonyms: 16,17-Butylidenebis(oxy)-11,21-dihydroxypregna-1, 4-diene-3,20-dione

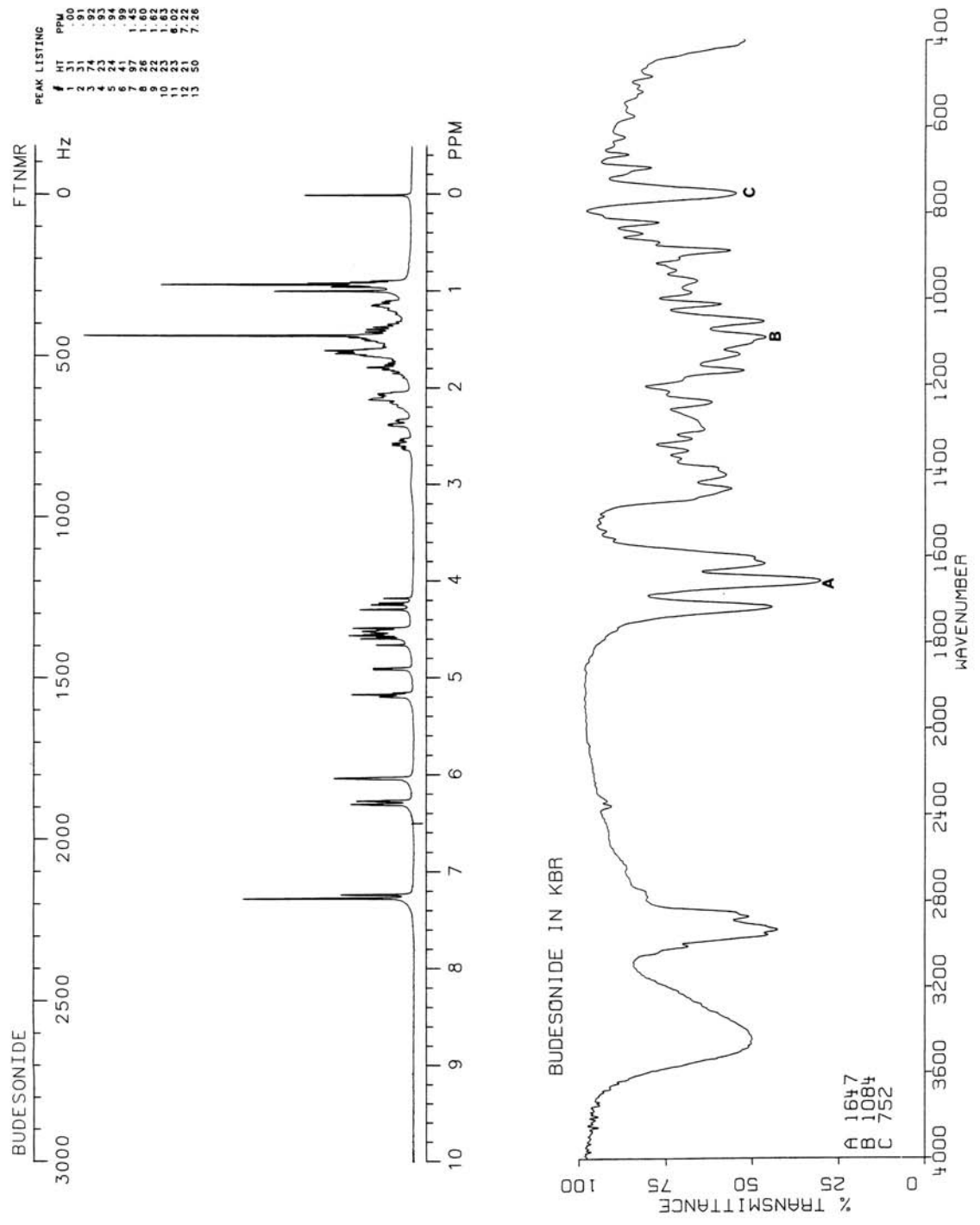
Trade names: Budeson, Preferid, Pulmicort, Rhinocort, Sirocort

Use: Anti-inflammatory
HPLC: 90A:10B; 2.8
GC: 3445; 280°







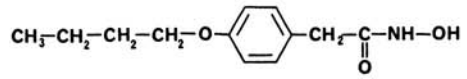

BUDESONIDE
FTNMR
PEAK LISTING
HT PPM
1 31 .00
2 31 .91
3 74 .92
4 23 .93
5 24 .94
6 41 .99
7 97 1.45
8 26 1.60
9 22 1.62
10 23 6.02
11 23 7.22
12 21 7.26
13 50 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BUDESONIDE IN KBR
A 1647
B 1084
C 752
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

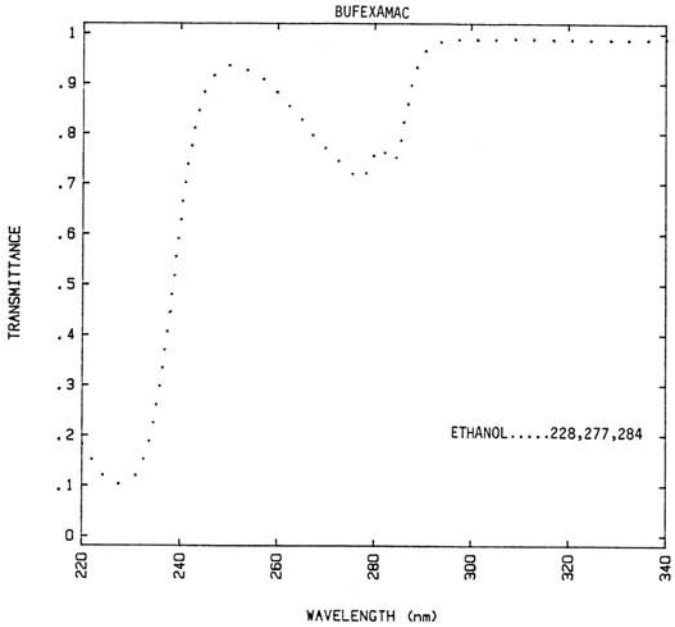
BUFEXAMAC

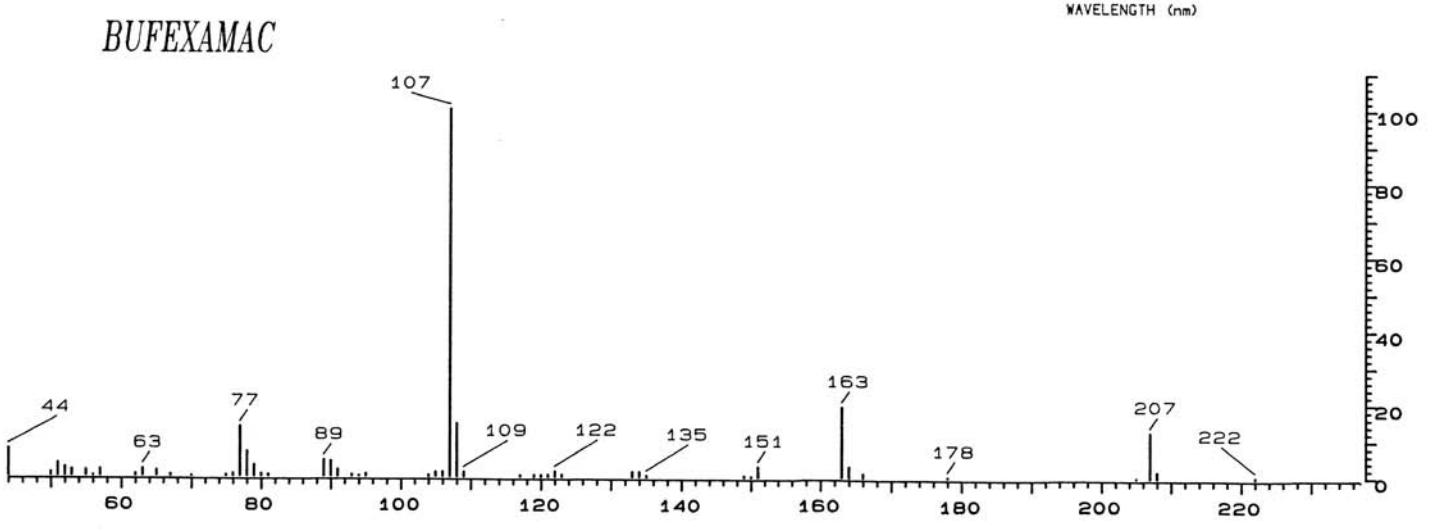
$C_{12}H_{17}NO_3$

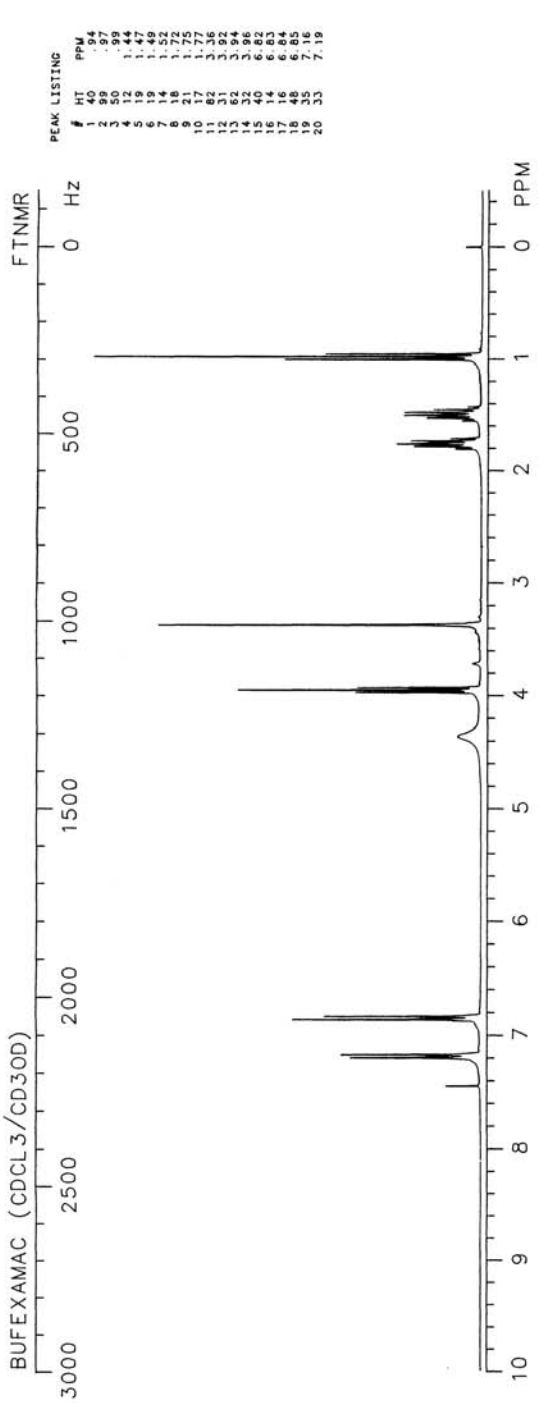
Molecular weight: 223.28 (223.12)
Synonyms: 4-Butoxy-N-hydroxybenzeneacetamide

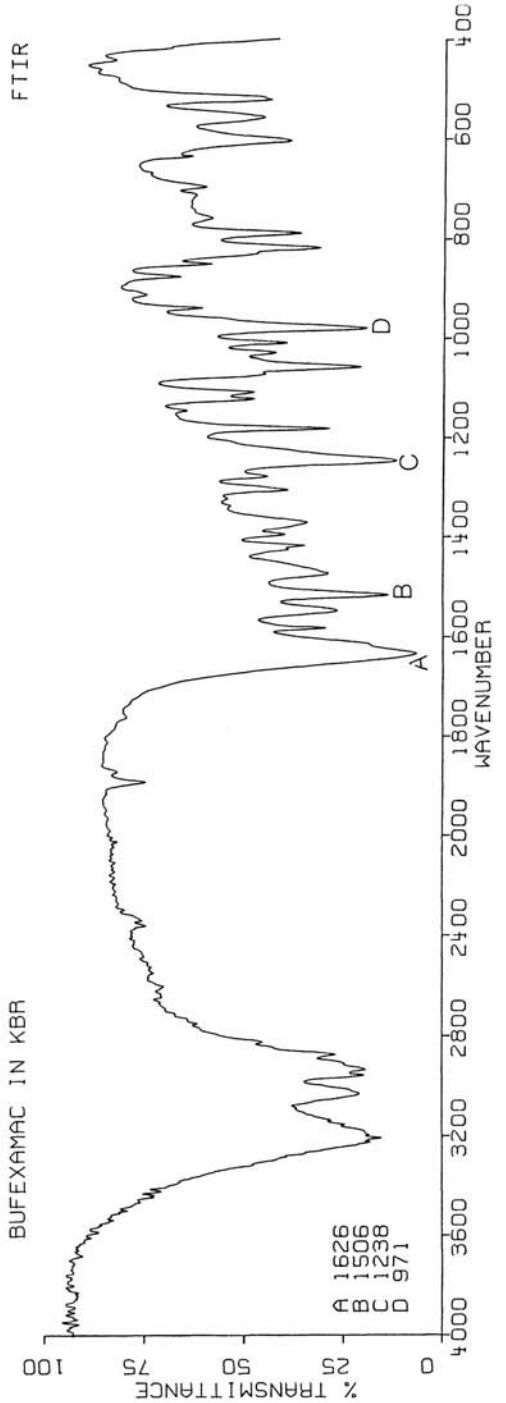
Trade names: Droxarol, Droxaryl, Feximac, Malipuran, Mofenar, Norfemac, Parfenac, Paraderm
Use: Anti-inflammatory, analgesic, antipyretic
HPLC:
GC: 2869; 280°C








FTNMR
BUFEXAMAC (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 40 .94
2 99 .97
3 50 .99
4 12 1.44
5 19 1.47
6 19 1.49
7 14 1.52
8 18 1.72
9 21 1.75
10 17 1.77
11 82 3.36
12 31 3.92
13 52 3.94
14 32 3.96
15 40 6.82
16 14 6.83
17 16 6.84
18 48 6.85
19 35 7.16
20 33 7.19
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
BUFEXAMAC IN KBR
A 1626
B 1506
C 1238
D 971
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

BUFLOMEDIL

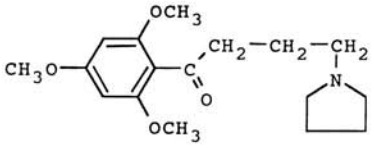
$C_{17}H_{25}NO_4$

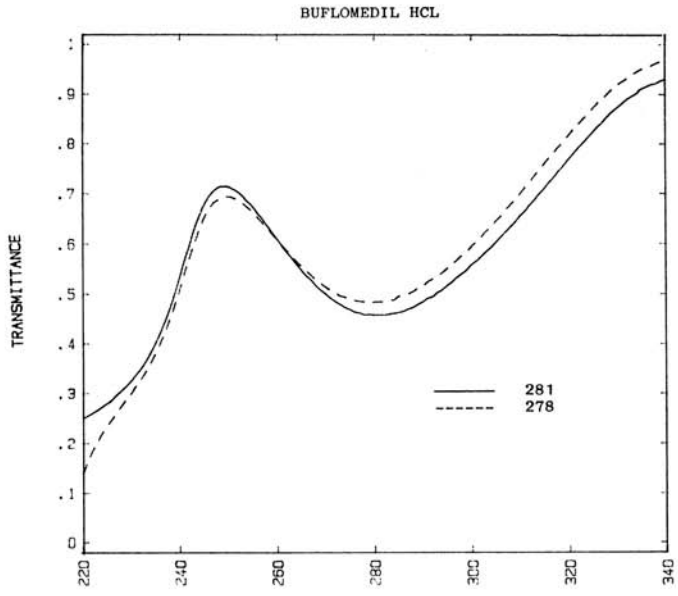
Molecular weight: 307.40 (307.18)

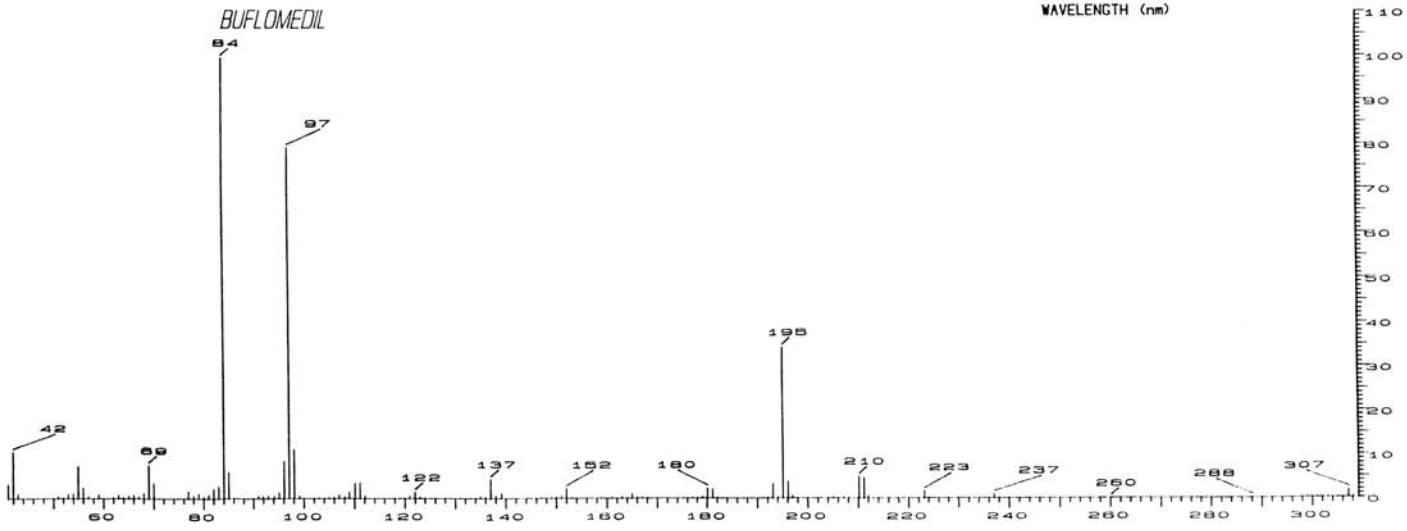
Synonyms: 4-(1-Pyrrolidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone; 2′,4′,6′-trimethoxy-4-(1-pyrrolidinyl) butyrophenone

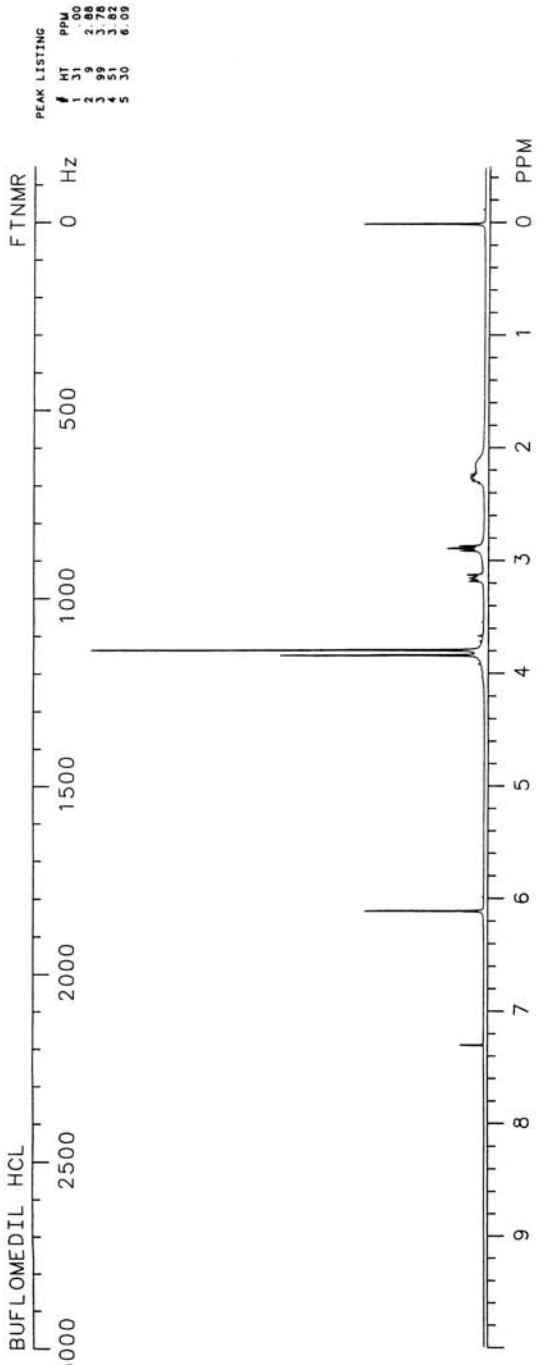
Trade names:

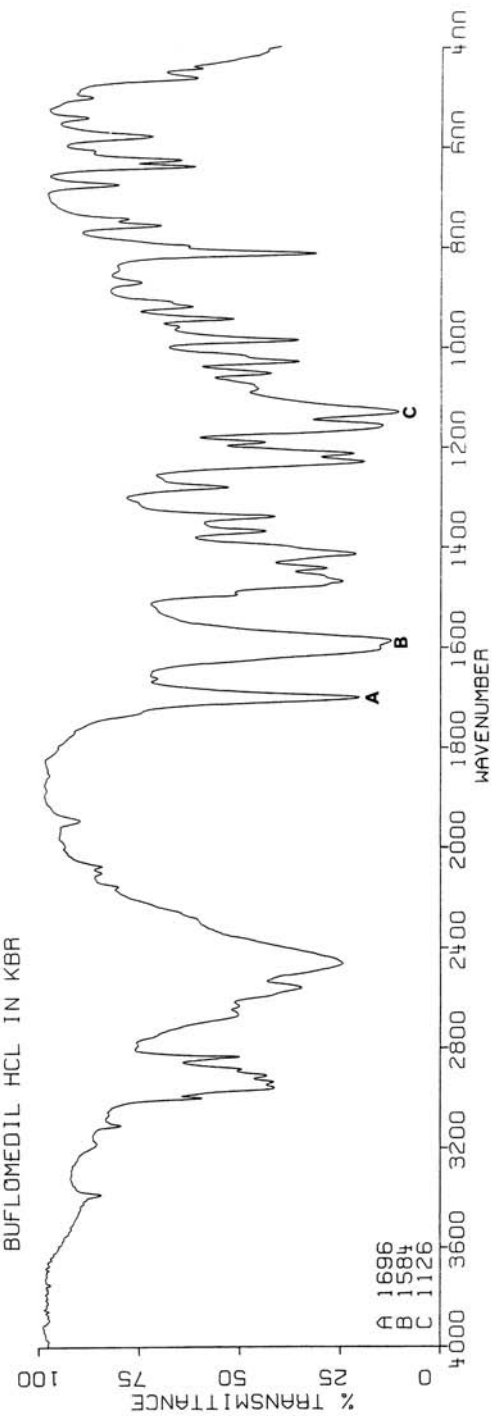
Use: Vasodilator
HPLC: 90A:10B; 6.9
GC: 2483; 280°








BUFLOMEDIL HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 31 .00
2 9 2.88
3 99 3.78
4 51 3.82
5 30 6.09
9 8 7 6 5 4 3 2 1 0 PPM

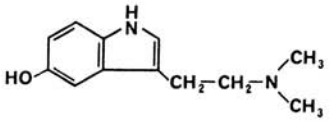

BUFLOMEDIL HCL IN KBR
% TRANSMITTANCE
100 75 50 25 0
A 1696
B 1584
C 1126
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

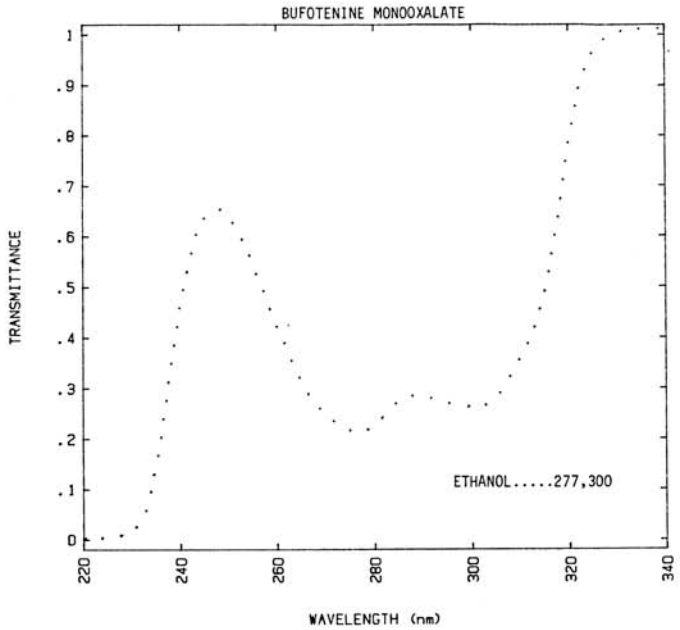
BUFOTENINE

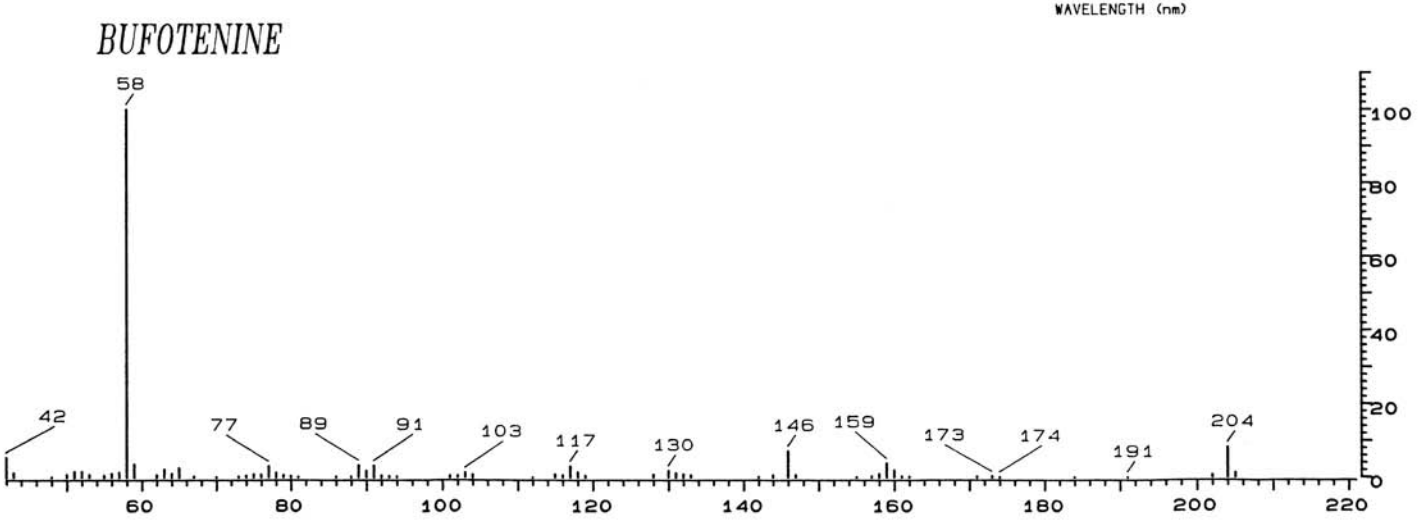
$C_{12}H_{16}N_2O$

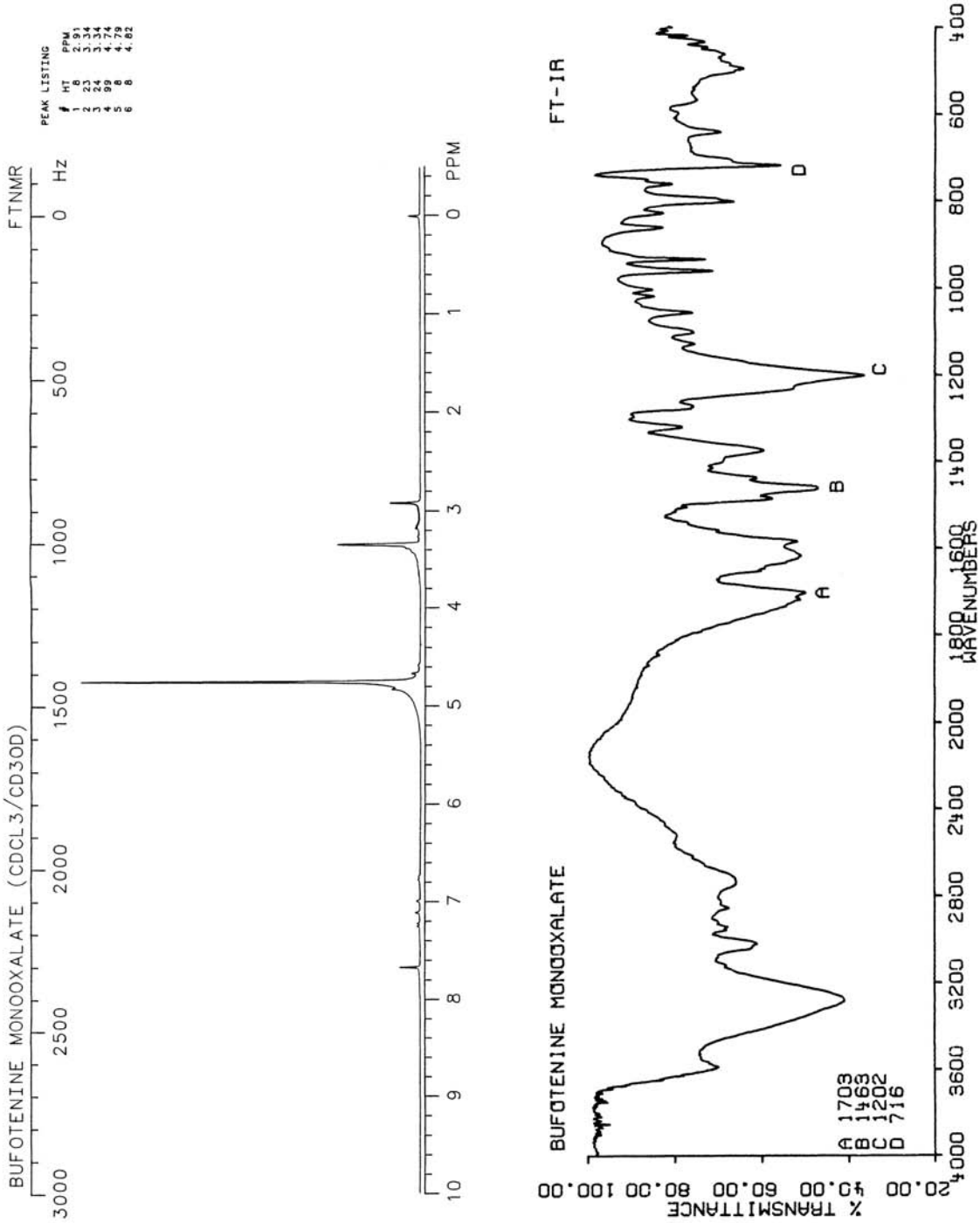
Molecular weight: 204.26 (204.13)
Synonyms: 3-[2-(Dimethylamino)ethyl]-1H-indol-5-ol; 5-hydroxy-N,N-dimethyltryptamine; N,N-dimethylserotonin; mappine
Trade names:

Use: Hallucinogen
HPLC: Si-10; 20A:80B; 6.1
GC:








BUFOTENINE MONOOXALATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 8 2.91
2 23 3.34
3 24 3.34
4 99 4.74
5 8 4.79
6 8 4.82
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BUFOTENINE MONOOXALATE
FT-IR
A 1703
B 1463
C 1202
D 716
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

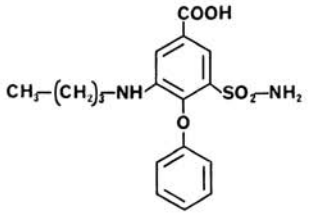
BUMETANIDE

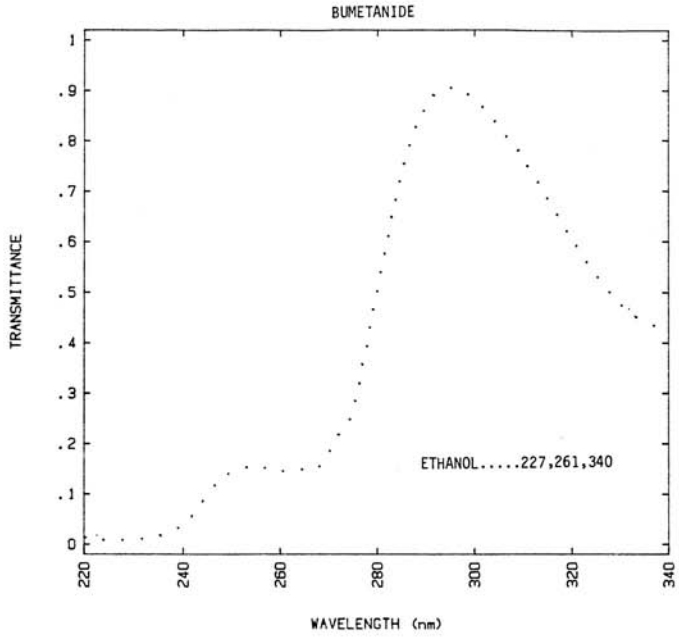
$C_{17}H_{20}N_2O_5S$

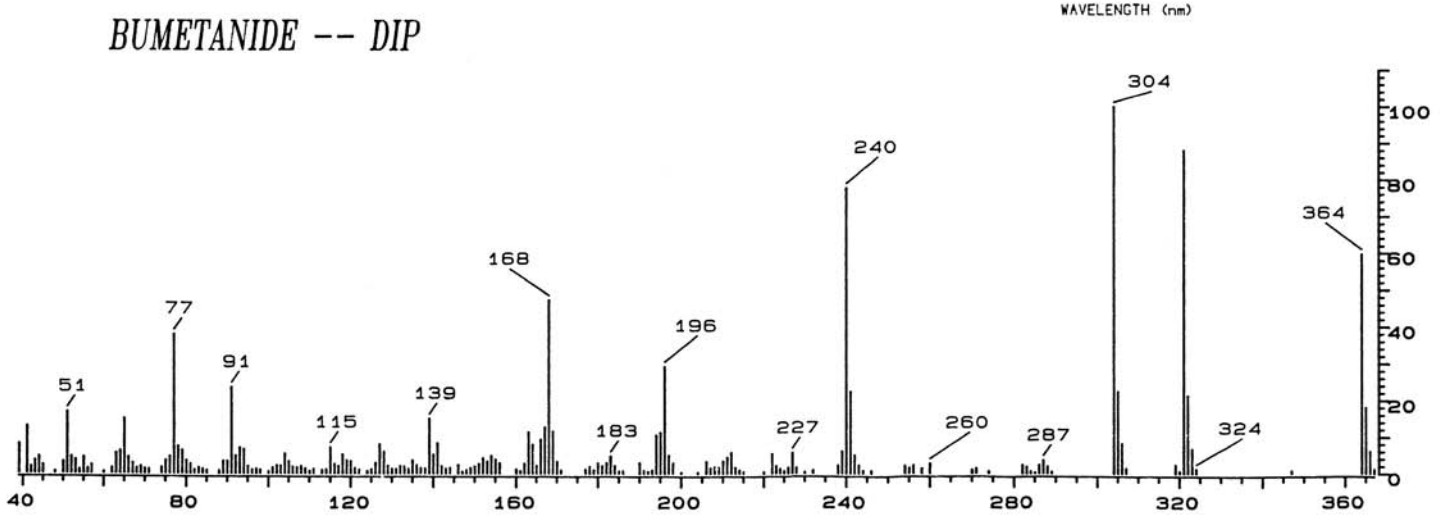
Molecular weight: 364.42 (364.11)
Synonyms: 3-(Aminosulfonyl)-5-butylamino)-4-phenoxybenzoic acid

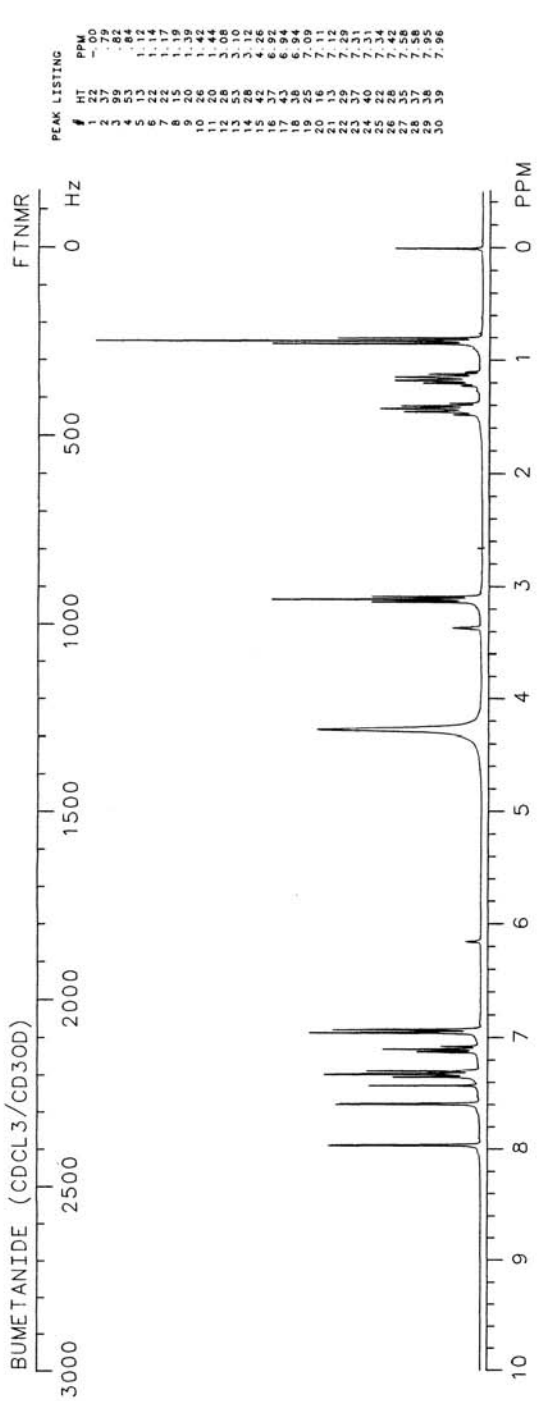
Trade names: Bumex, Burine, Burinex, Fontego, Fordiuran,Lunetoron,Segurex

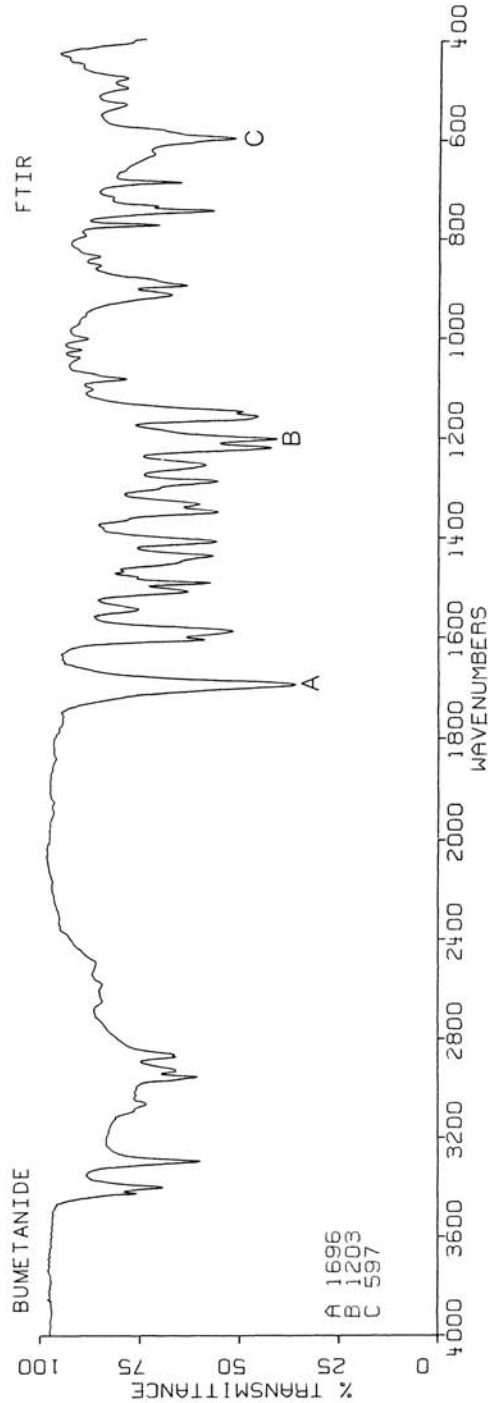
Use: Diuretic
HPLC: Si-10; 20A:80B; 3.3
GC:








BUMETANIDE (CDCL3/CD3OD)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 22 -.00
2 37 .79
3 99 .82
4 53 .84
5 13 1.12
6 22 1.14
7 22 1.17
8 15 1.19
9 20 1.39
10 26 1.42
11 20 1.44
12 28 3.08
13 53 3.10
14 28 3.12
15 42 4.26
16 37 6.82
17 43 6.84
18 38 6.94
19 25 7.09
20 16 7.11
21 13 7.12
22 39 7.29
23 37 7.31
24 40 7.34
25 22 7.42
26 28 7.56
27 35 7.58
28 37 7.95
29 38 7.96
30 39 7.96


BUMETANIDE
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
A 1696
B 1203
C 597

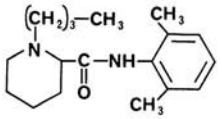
BUPIVACAINE

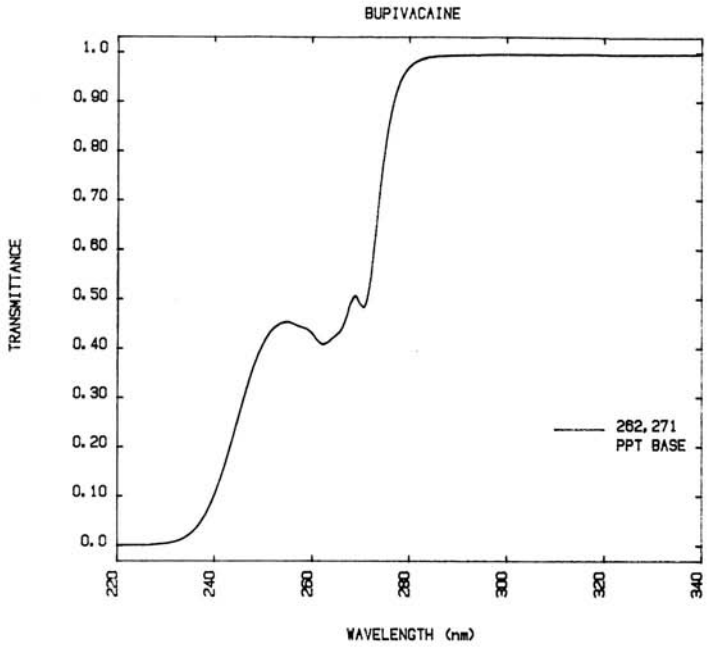
$C_{18}H_{28}N_2O$

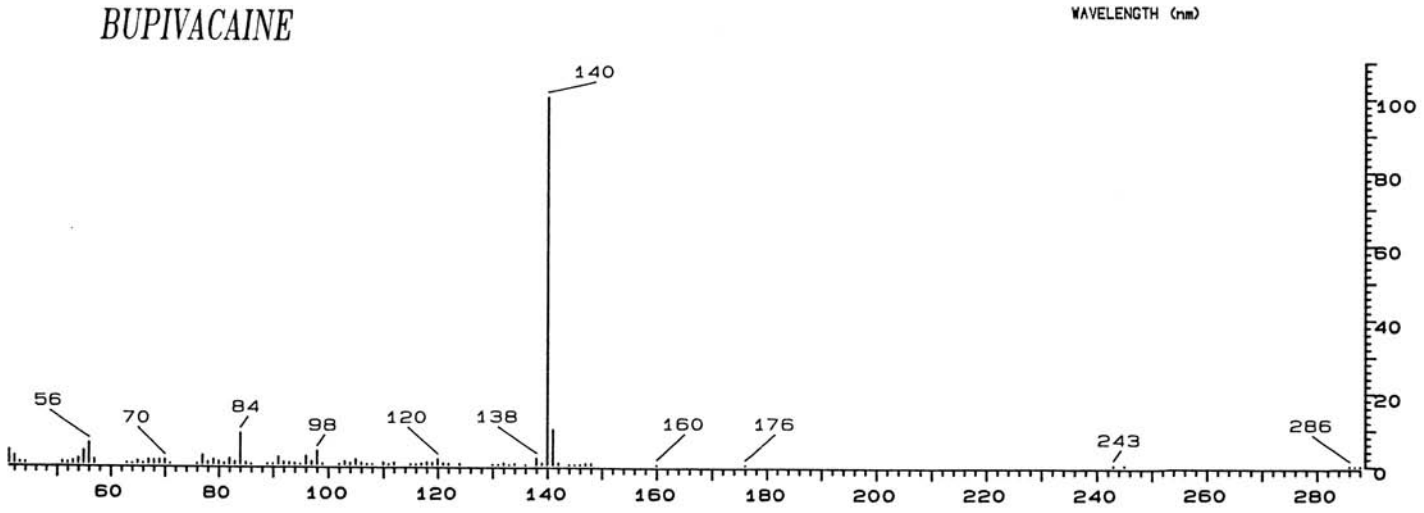
Molecular weight: 288.43 (288.22)
Synonyms: dℓ-1-Butyl-2',6'-pipecoloxylidide

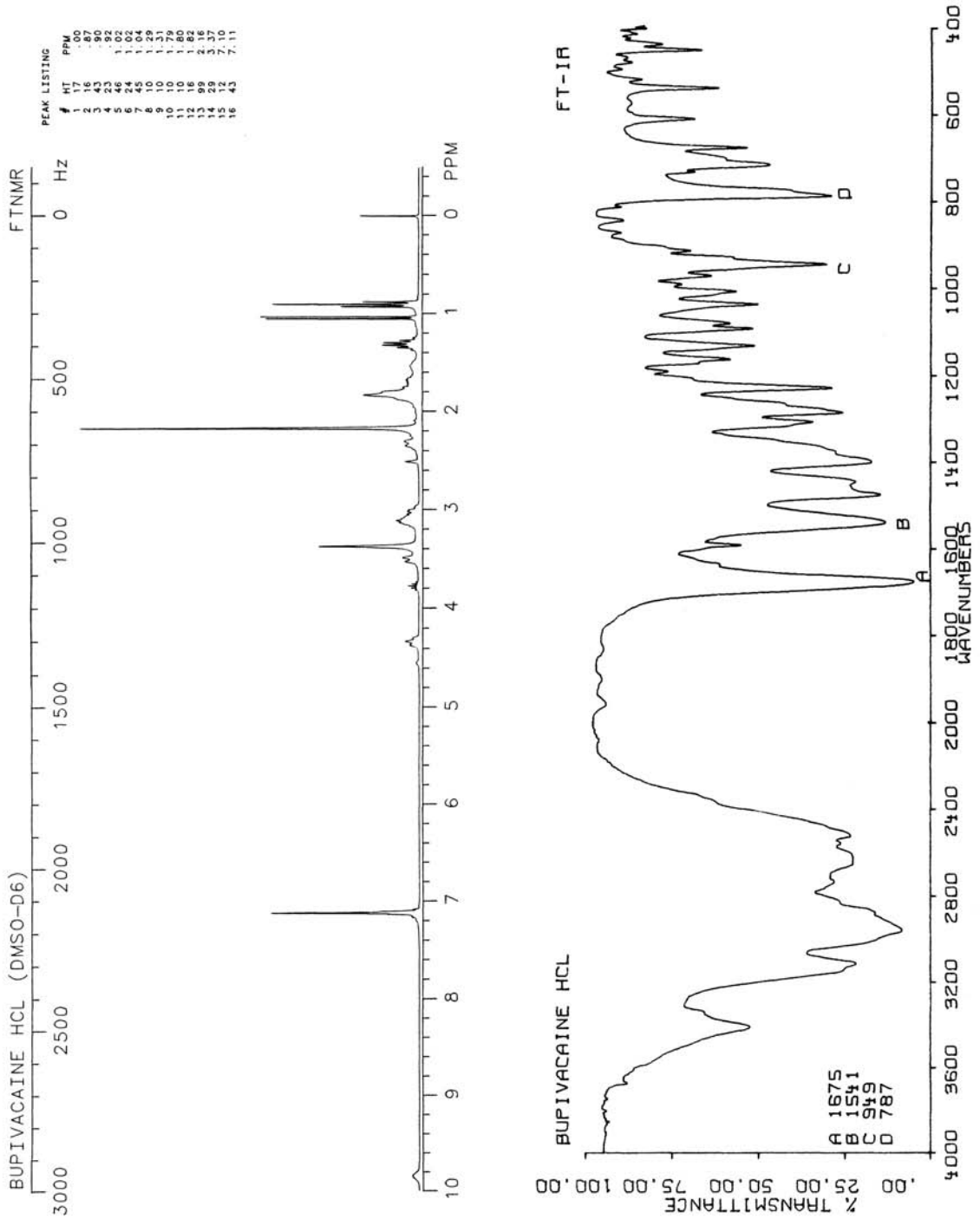
Trade names: Marcaine

Use: Local anesthetic
HPLC: Si-10; 1A:99B; 6.3
GC: 2321; 250°C







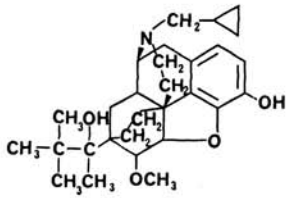

BUPIVACAINE HCL (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 17 .00
2 16 .87
3 43 .90
4 23 .92
5 46 1.02
6 24 1.02
7 45 1.04
8 10 1.29
9 10 1.31
10 10 1.79
11 10 1.80
12 16 1.82
13 99 2.15
14 29 3.37
15 12 7.10
16 43 7.11
BUPIVACAINE HCL
FT-IR
A 1675
B 1541
C 949
D 787
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

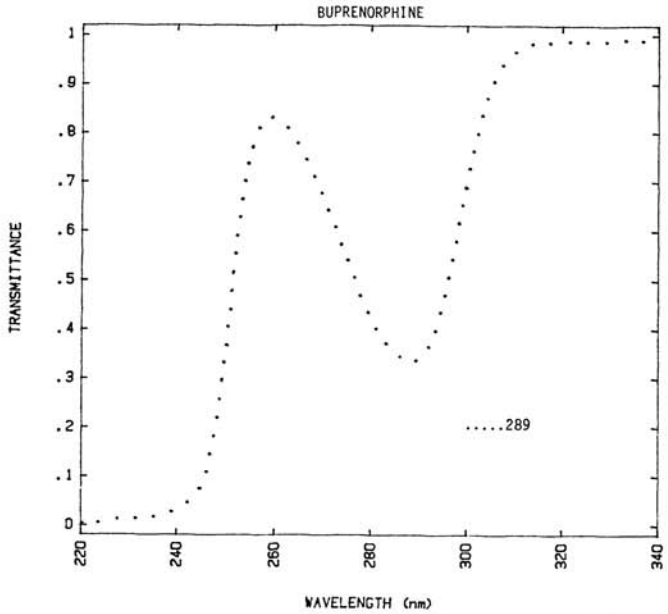
BUPRENORPHINE

$C_{29}H_{41}NO_4$

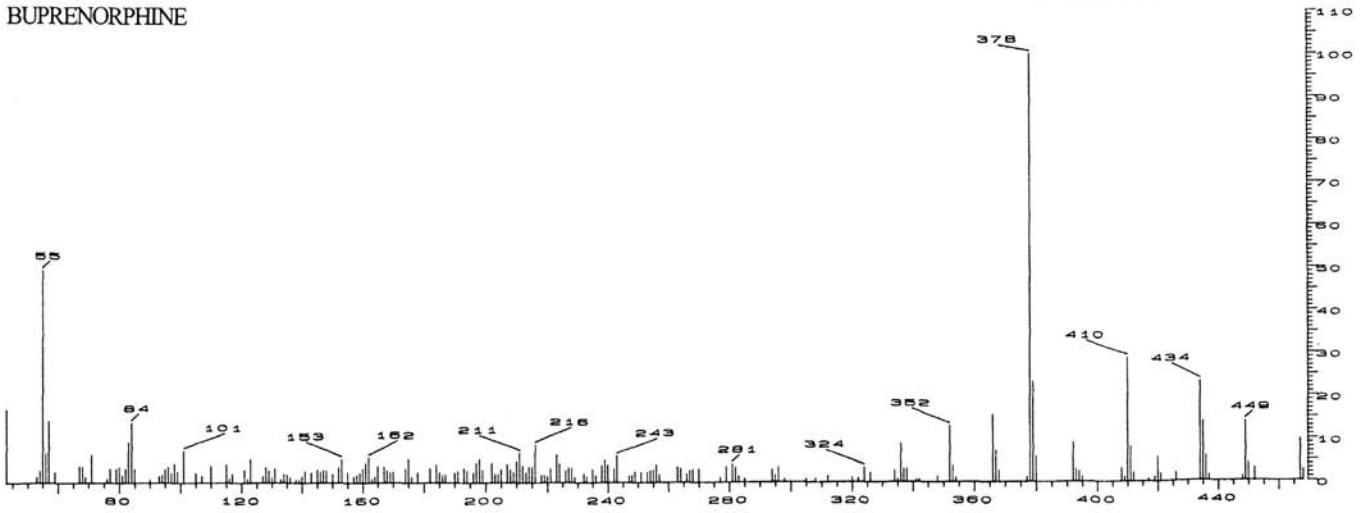
Molecular weight: 467.66 (467.30)
Synonyms: 17-(cyclopropylmethyl)-α-(1,1-dimethylethyl)-4,5-epoxy-18,19-dihydro-3-hydroxy-6-methoxy-α-methyl-6,14-ethenomorphinan-7-methanol
Trade names: Buprenex, Temgesic

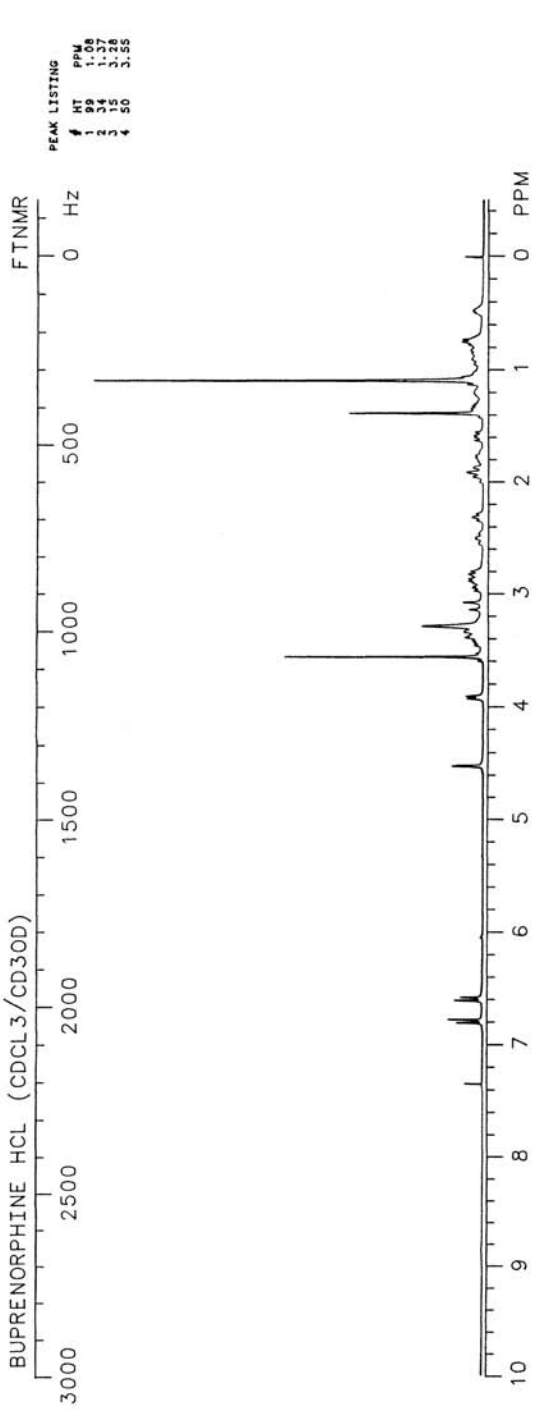
Use: Analgesic
HPLC: Si-10; 1A:99B; 4.6
GC:

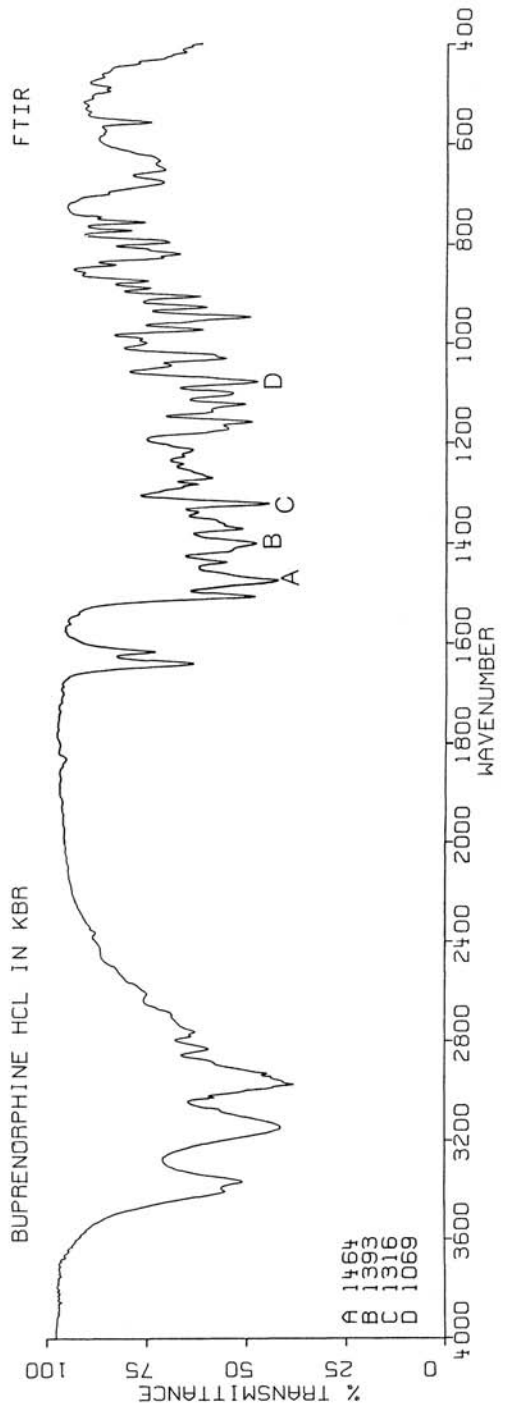




BUPRENORPHINE




FTNMR
BUPRENORPHINE HCL (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 99 1.08
2 34 1.37
3 15 3.28
4 50 3.55
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
BUPRENORPHINE HCL IN KBR
A 1464
B 1393
C 1316
D 1069
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

BUPROPION

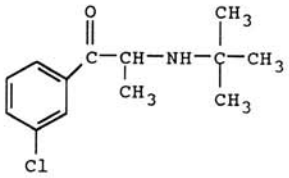
$C_{13}H_{18}ClNO$

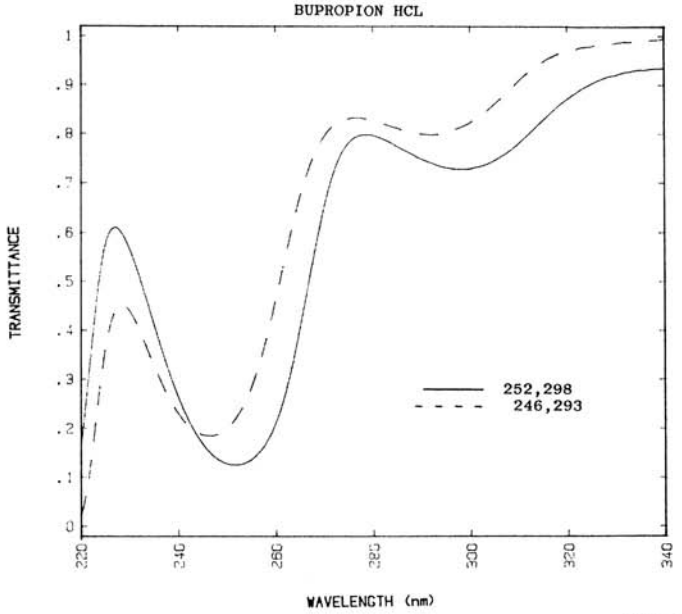
Molecular weight: 240.20 (239.11)

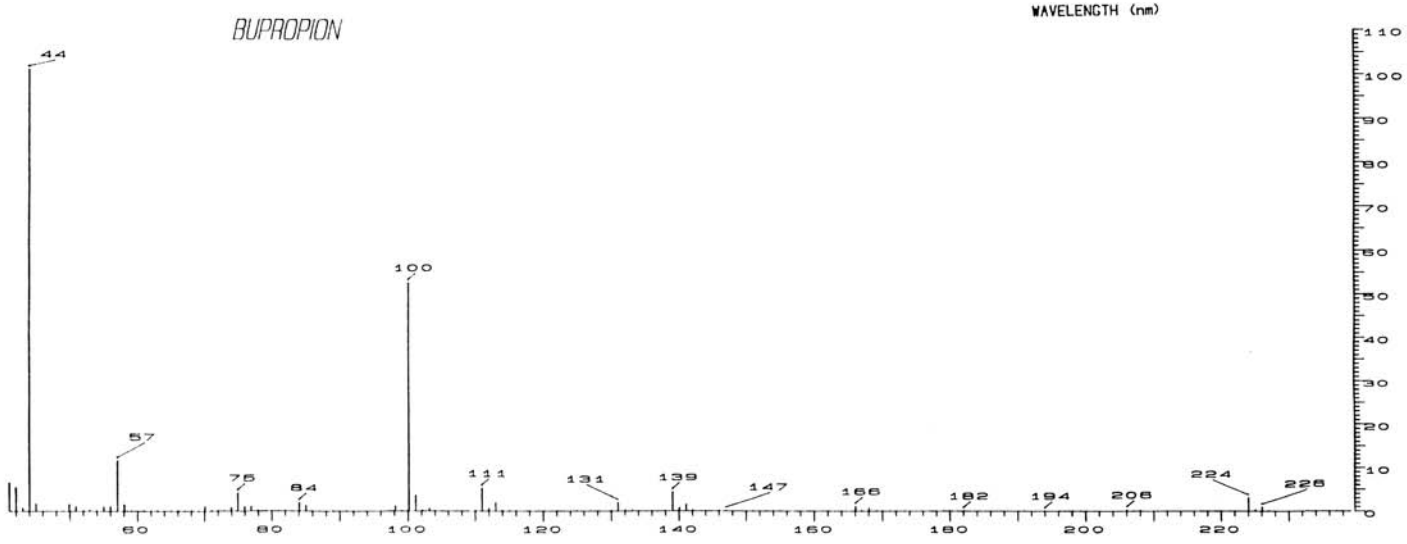
Synonyms: 2-Tert-butylamino-3′-chloropropiophenone

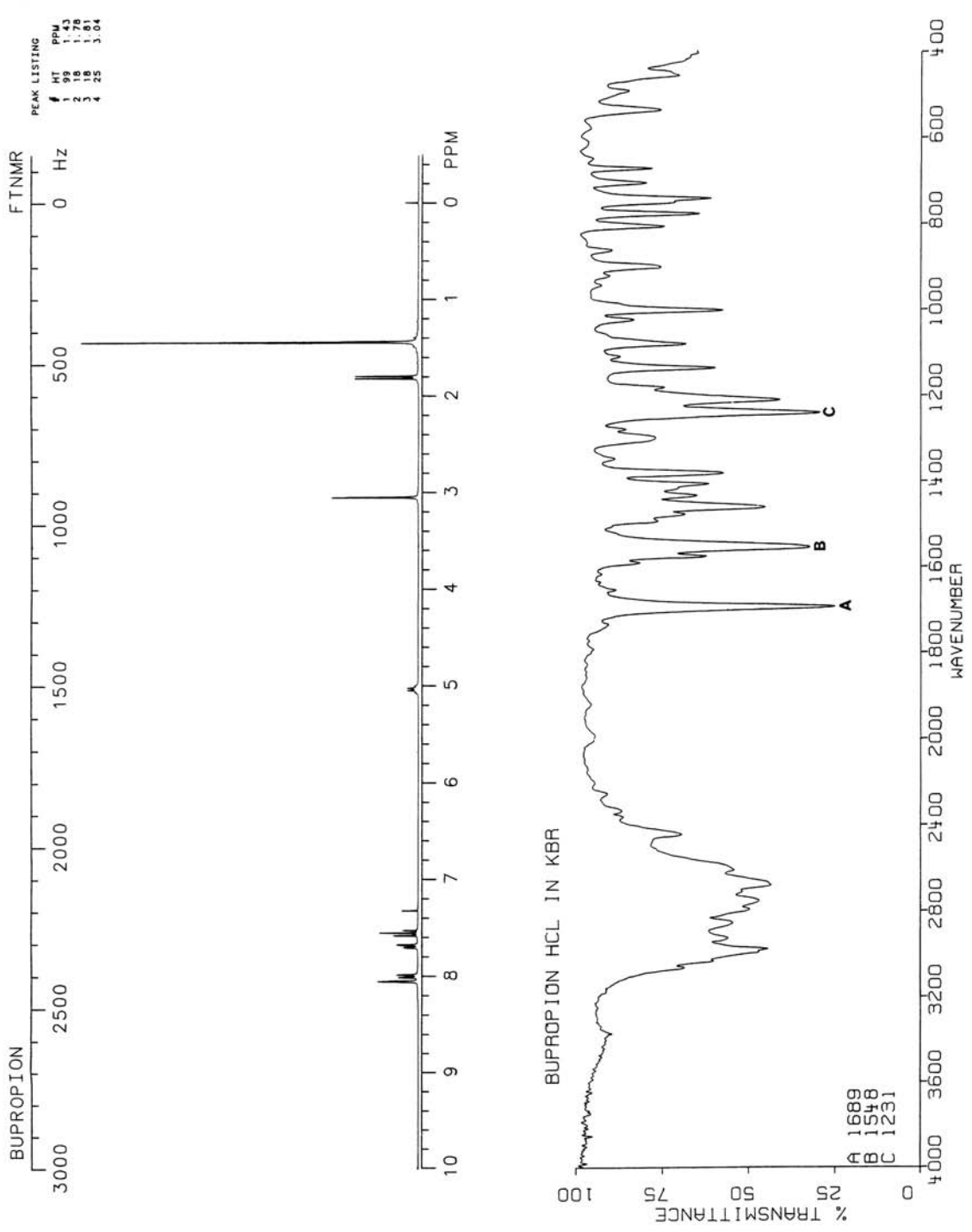
Trade names: Wellbutrin

Use: Antidepressant
HPLC: 90A:10B; 4.0
GC: 1632; 200°








BUPROPION
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 1.43
2 18 1.78
3 18 1.81
4 25 3.04
10 9 8 7 6 5 4 3 2 1 0 PPM
BUPROPION HCL IN KBR
A 1689
B 1548
C 1231
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

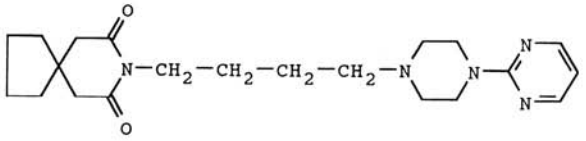
BUSPIRONE

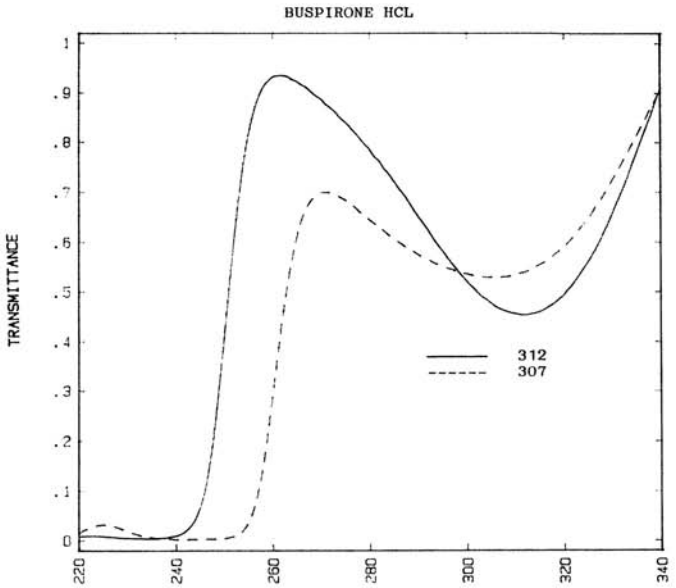
$C_{21}H_{31}N_5O_2$

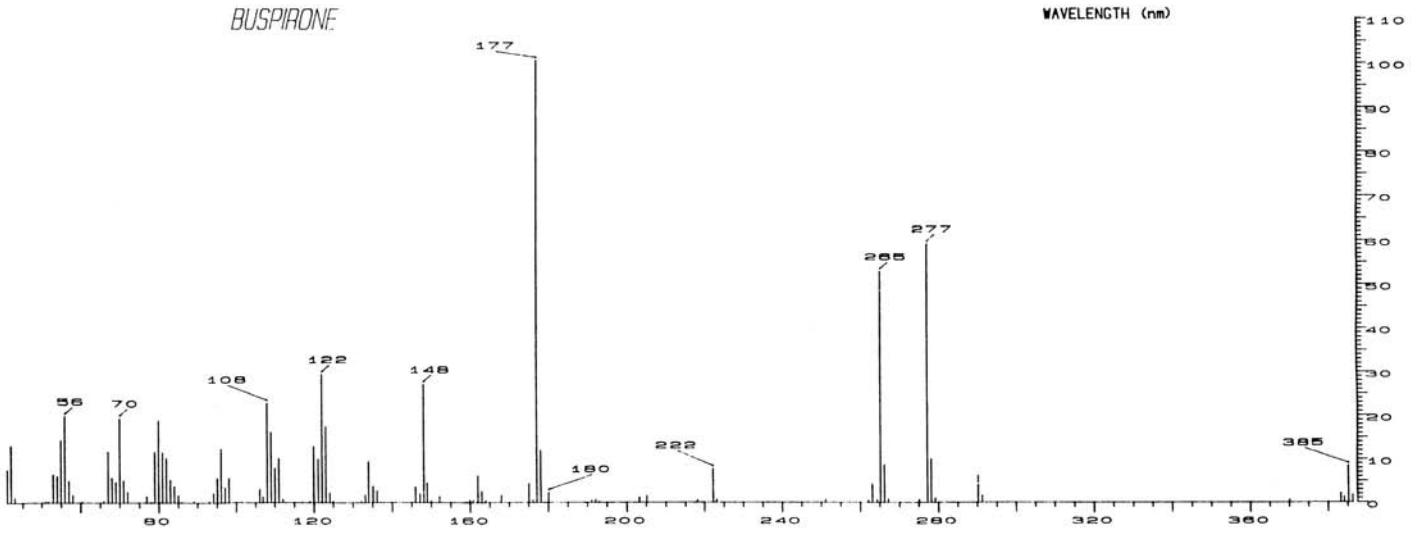
Molecular weight: 385.51 (385.25)

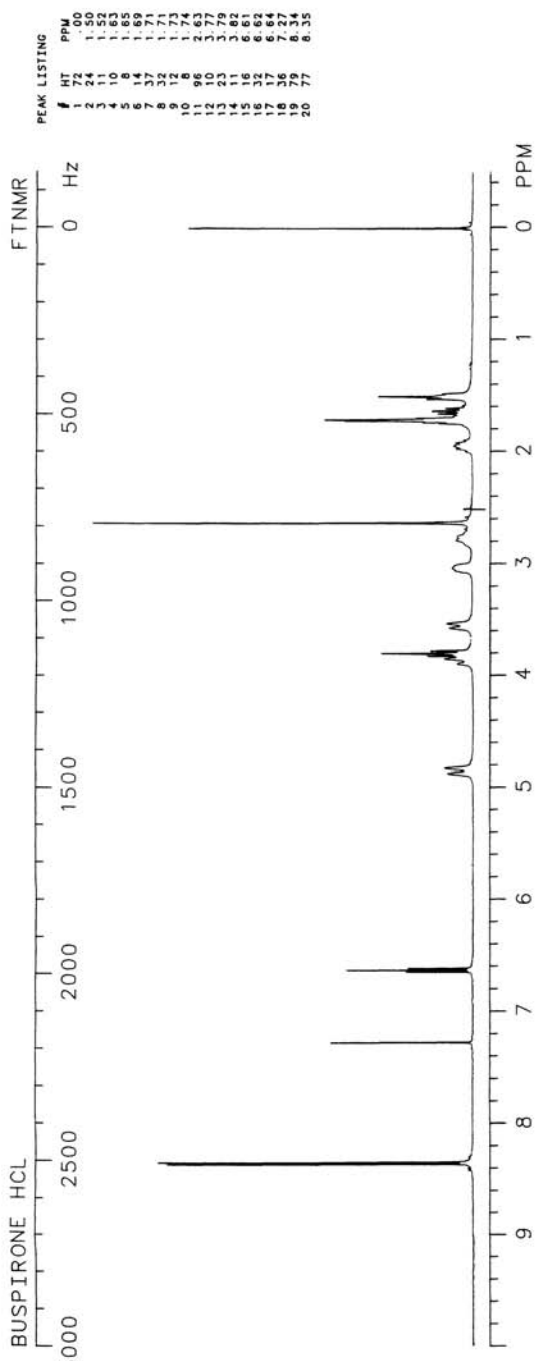
Synonyms: 8-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl]-8-azaspiro-[4.5]decane-7,9-dione
Trade names: Bespar, Buspar, Buspinol, Censpar, Lucelan, Travin

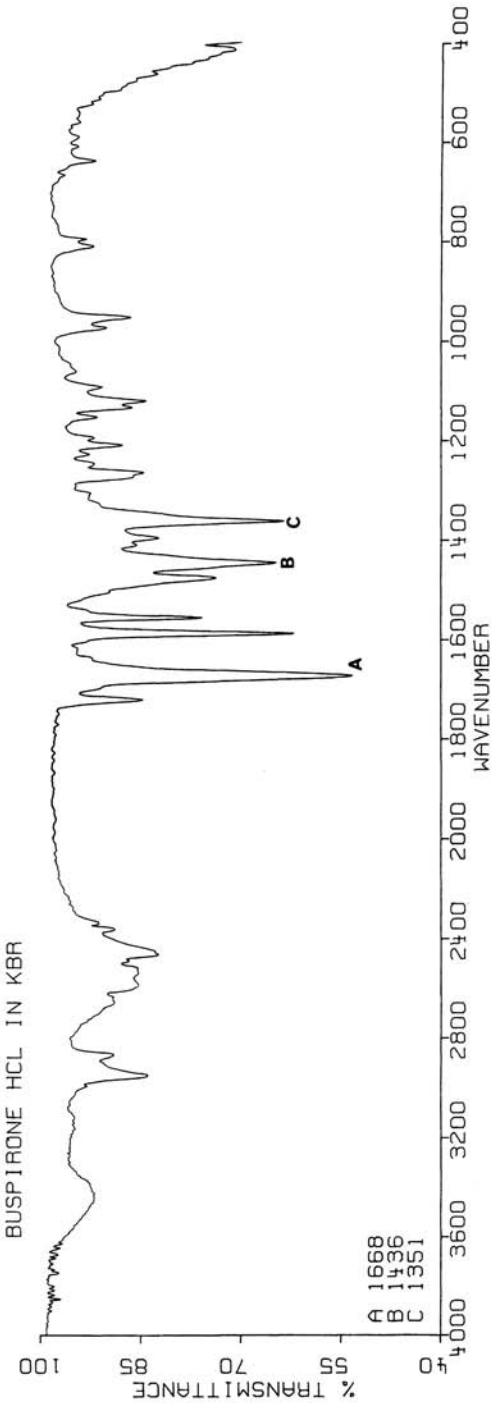
Use: Anxiolytic
HPLC: 70A:30B; 2.1
GC: 3299; 280°








BUSPIRONE HCL
FTNMR
PEAK LISTING
f HT PPM
1 72 1.00
2 24 1.50
3 11 1.52
4 10 1.63
5 8 1.65
6 14 1.69
7 37 1.71
8 32 1.71
9 12 1.73
10 8 1.74
11 96 2.63
12 10 3.77
13 23 3.79
14 11 3.82
15 16 6.61
16 32 6.62
17 17 6.64
18 36 7.27
19 79 8.34
20 77 8.35
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


BUSPIRONE HCL IN KBR
A 1668
B 1436
C 1351
A
B
C
100 85 70 55 40 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

BUSULFAN

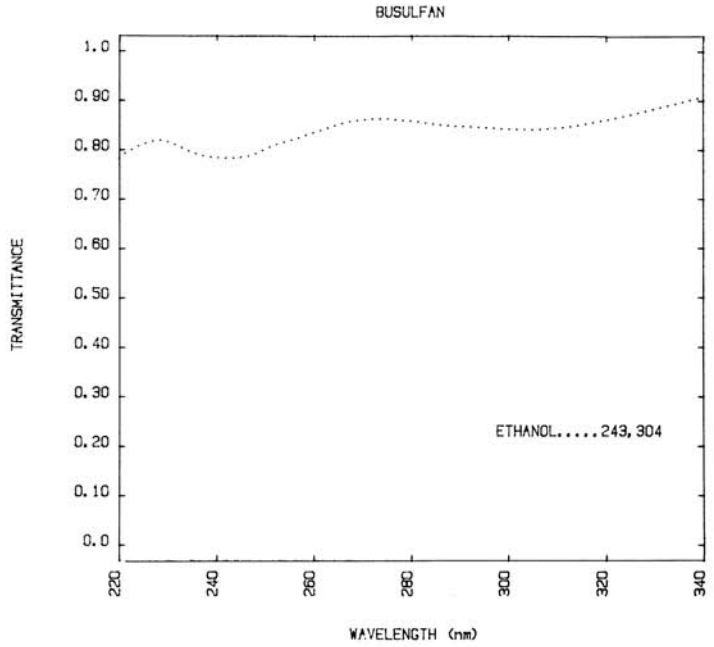
$C_6H_{14}O_6S_2$

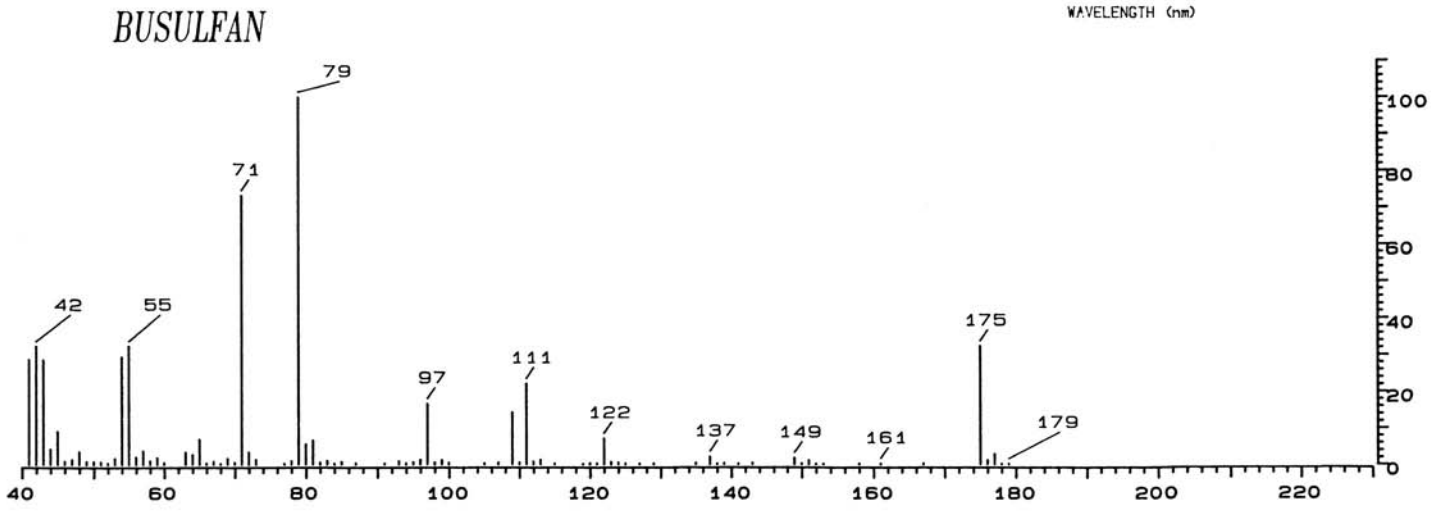
Molecular weight: 246.30 (246.02)
Synonyms: 1,4-Butanediol dimethansulfonate; busulphan

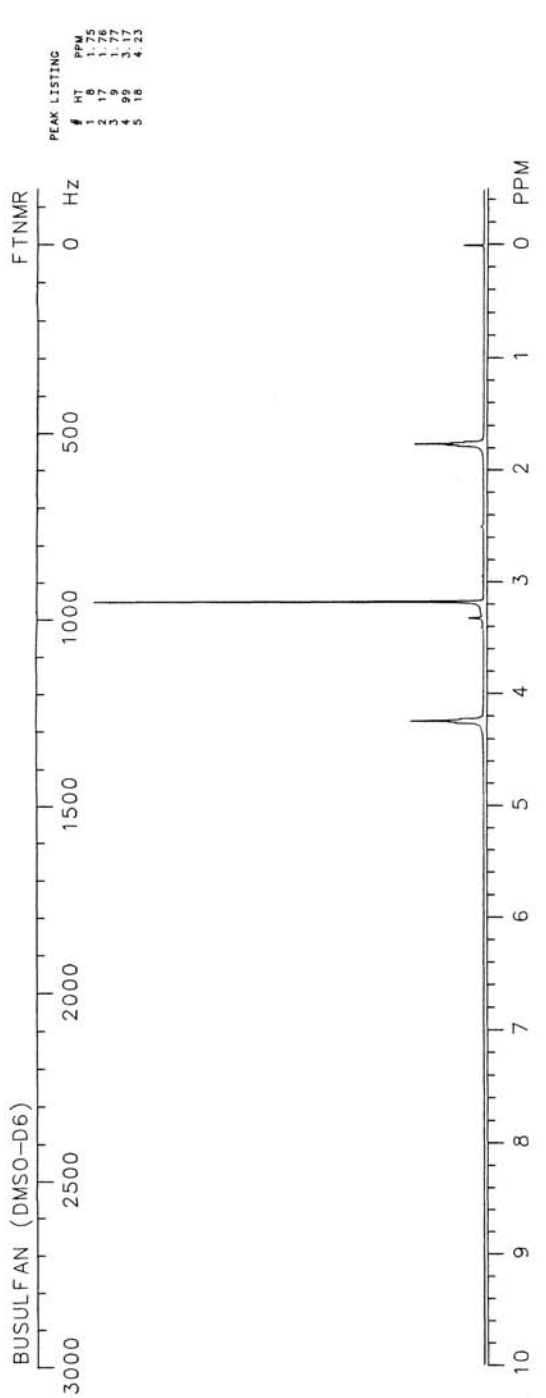
Trade names: Myleran

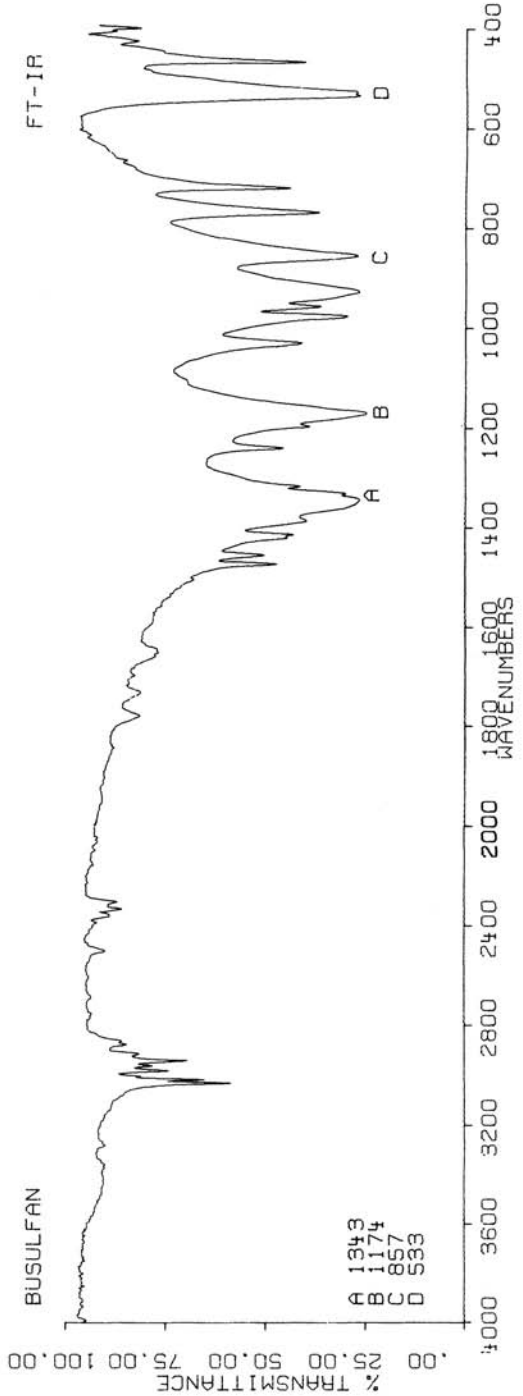
Use: Antineoplastic
HPLC:
GC:

$CH_3-SO_2-O-(CH_2)_4-O-SO_2-CH_3$






BUSULFAN (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 8 1.75
2 17 1.76
3 9 1.77
4 99 3.17
5 18 4.23

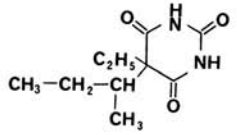

BUSULFAN
FT-IR
A 1343
B 1174
C 857
D 533
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

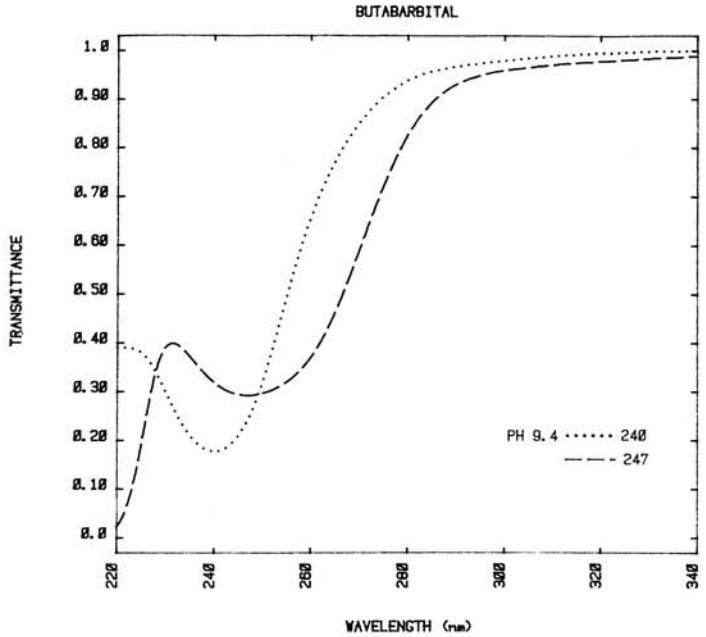
BUTABARBITAL

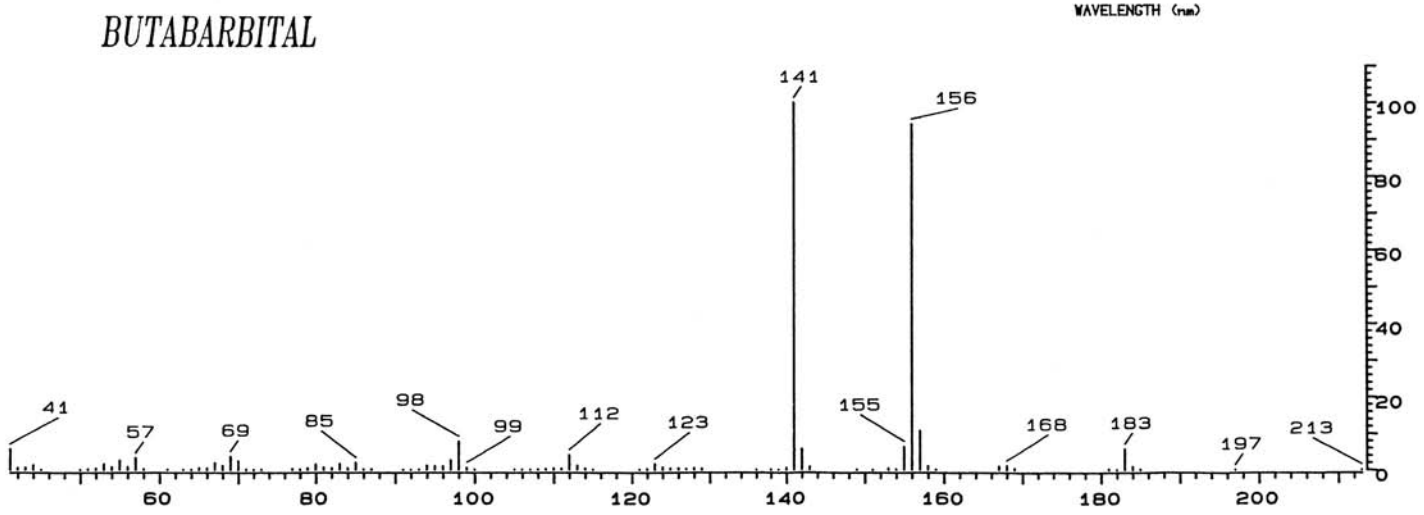
$C_{10}H_{16}N_2O_3$

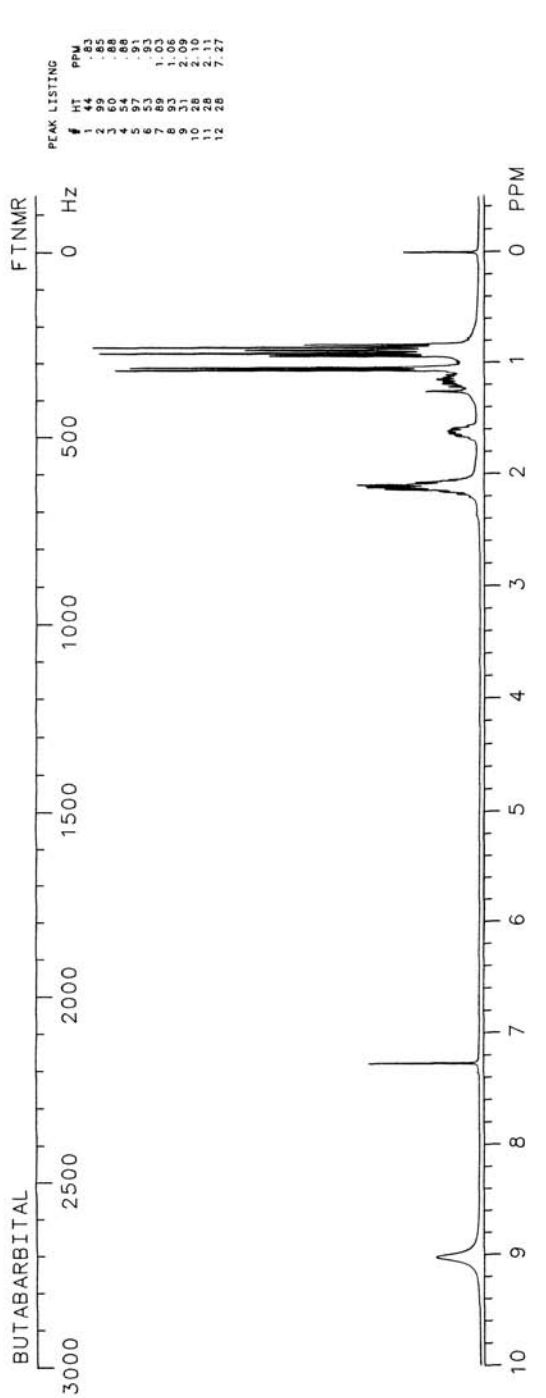
Molecular weight: 212.25 (212.12)
Synonyms: 5-Ethyl-5-(1-methylpropyl)-2,4,6(1H,3H,5H)pyrimidinetrione;
5-sec-butyl-5-ethylbarbituric acid; secobutobarbitone
Trade names: Butisol, Mebutal

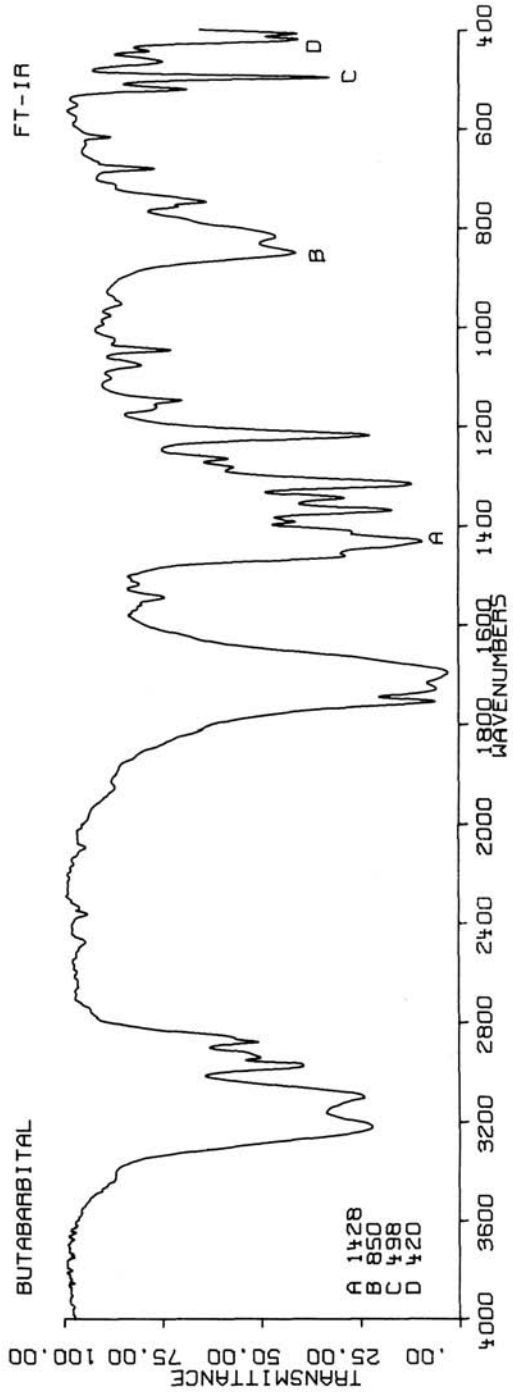
Use: Sedative
HPLC: Si-10; 1A:99B; 7.0
GC: 1667; 200°C








FTNMR
BUTABARBITAL
PEAK LISTING
HT PPM
1 44 .83
2 69 .85
3 60 .86
4 54 .88
5 97 .91
6 53 .93
7 89 1.03
8 93 1.06
9 71 2.09
10 28 2.10
11 28 2.11
12 28 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

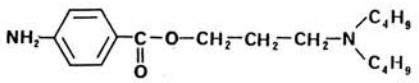

FT-IR
BUTABARBITAL
A 1428
B 850
C 498
D 420
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

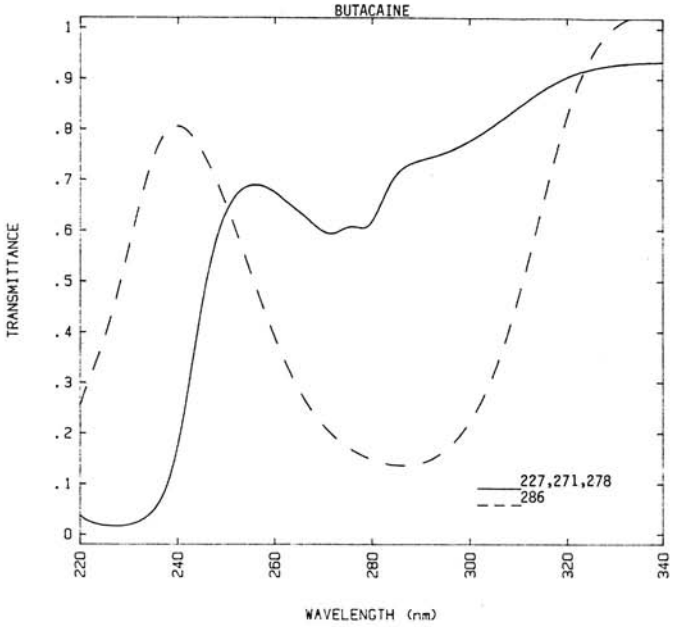
BUTACAINE

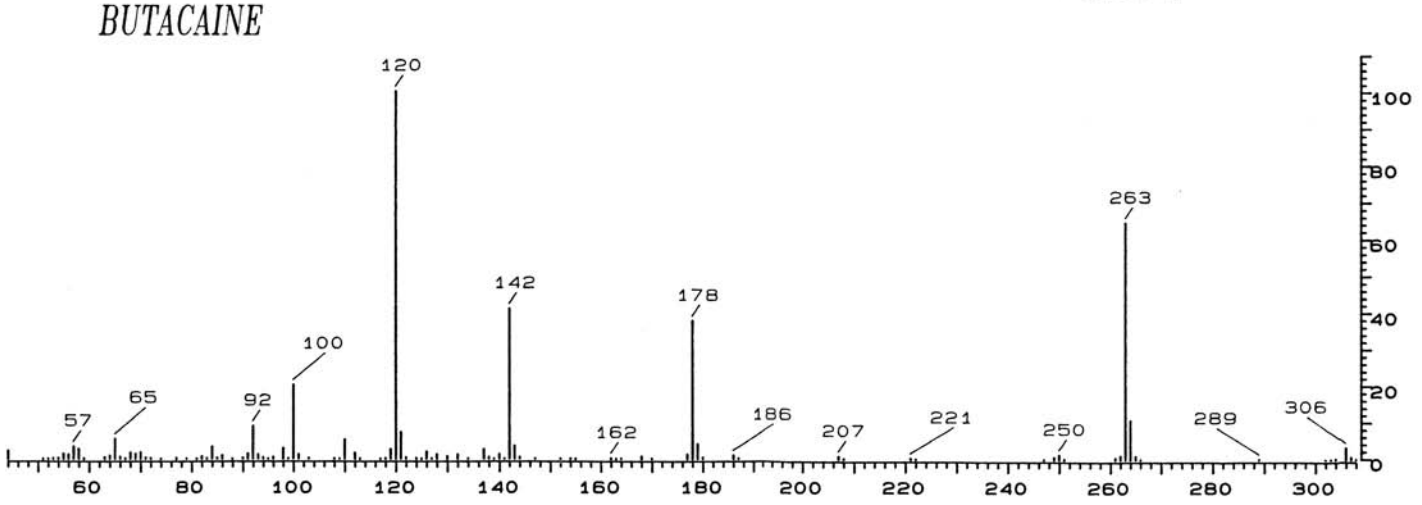
$C_{18}H_{30}N_2O_2$

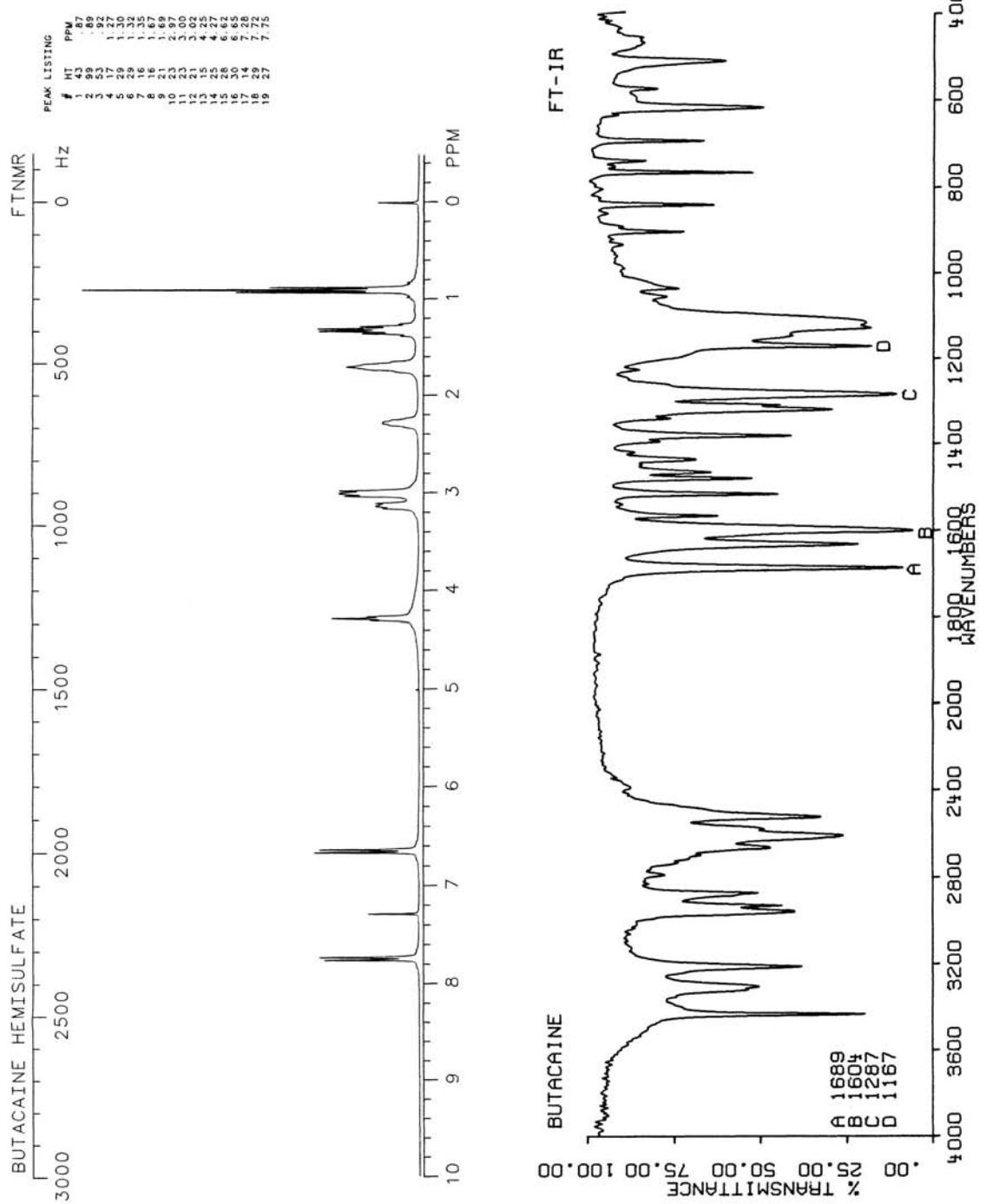
Molecular weight: 306.44 (306.23)
Synonyms: 3-(dibutylamino)-1-propanol-4-aminobenzoate;
p-aminobenzoyldibutylaminopropanol
Trade names: Butelline, Butyn Sulfate, Rhinamid

Use: Topical anesthetic
HPLC: Si-10; 5A:95B; 4.5
GC: 2475; 250°C





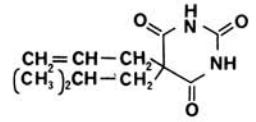


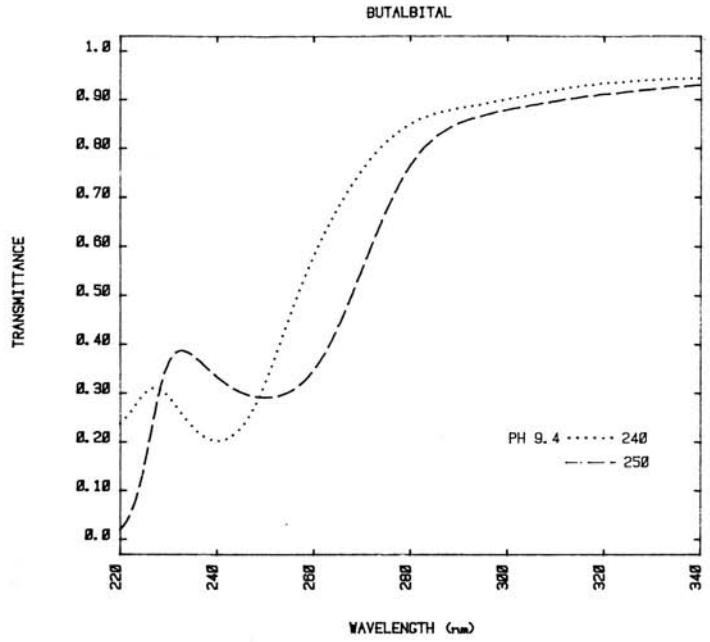

BUTACAINE HEMISULFATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 43 .87
2 99 1.89
3 53 1.92
4 17 1.27
5 29 1.30
6 28 1.32
7 16 1.35
8 16 1.67
9 21 1.69
10 23 2.97
11 23 3.00
12 21 3.02
13 15 4.25
14 25 4.27
15 28 6.62
16 30 6.65
17 14 7.28
18 29 7.72
19 27 7.75
BUTACAINE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1689
B 1604
C 1287
D 1167

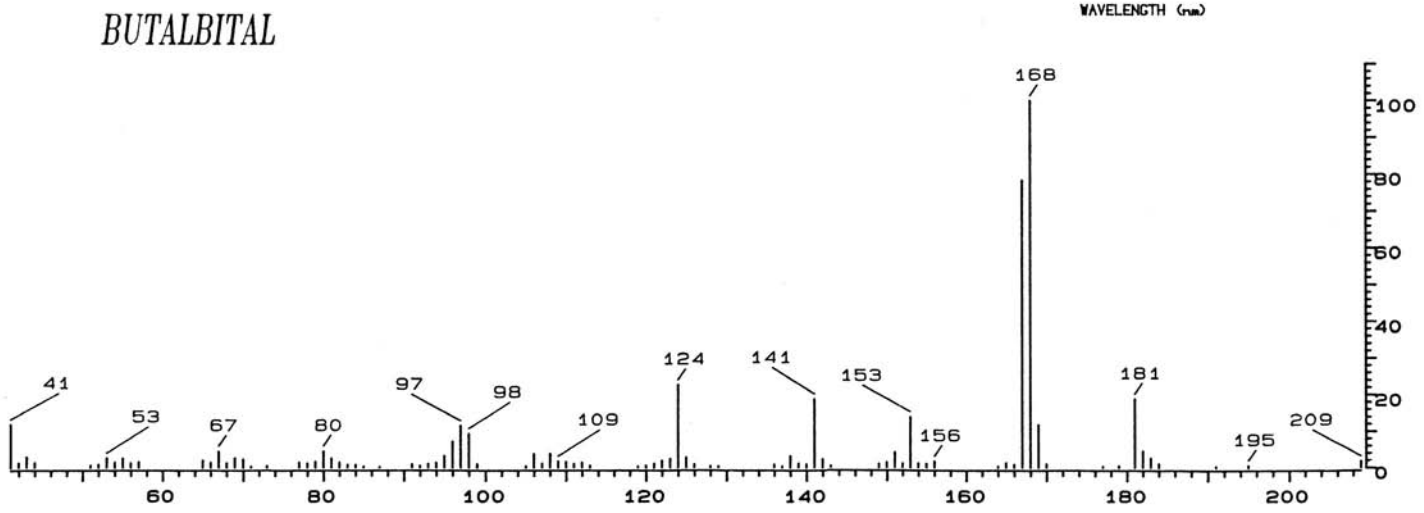
BUTALBITAL

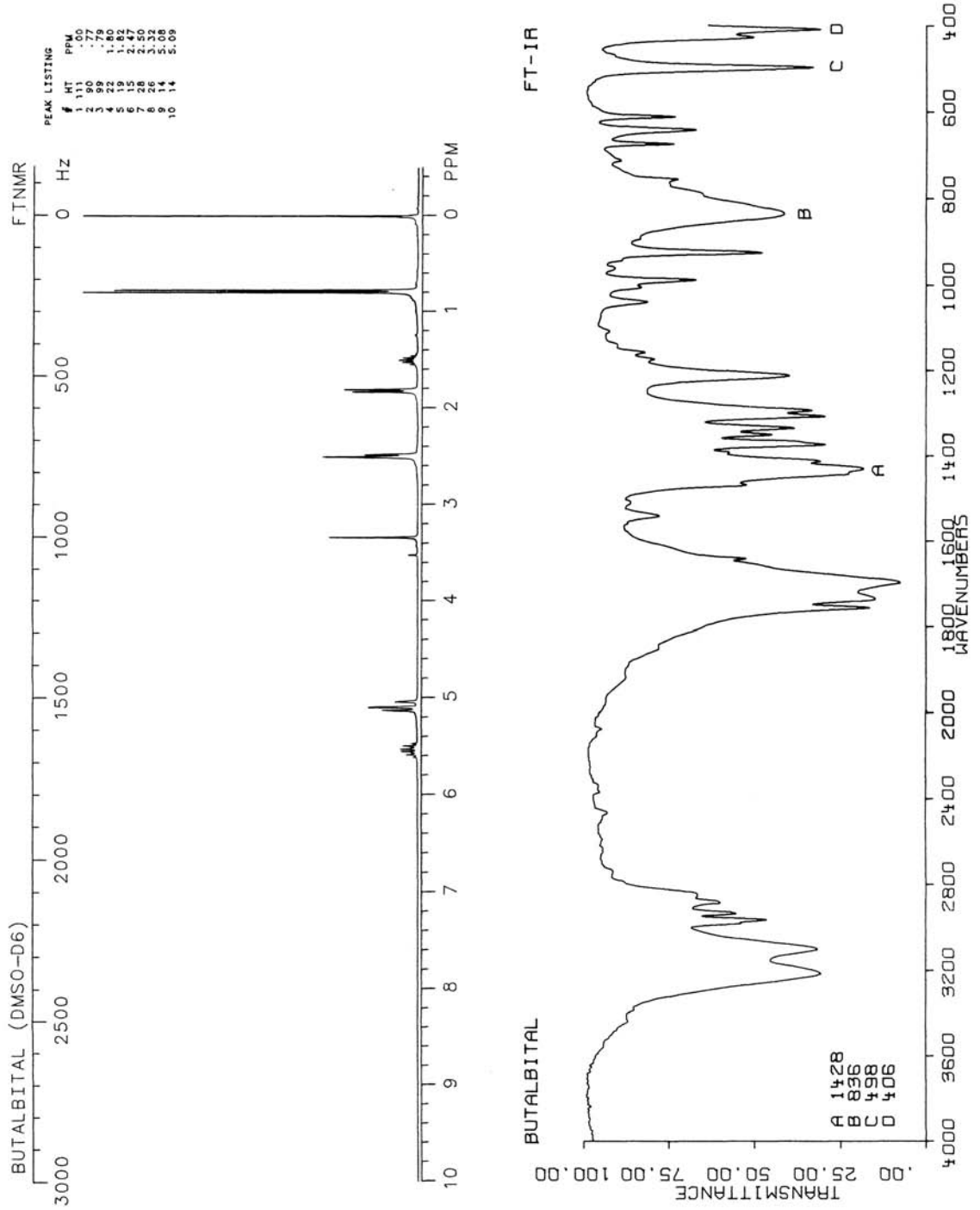
$C_{11}H_{16}N_2O_3$

Molecular weight: 224.26 (224.12)
Synonyms: 5-(2-Methylpropyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione; 5-allyl-5-isobutylbarbituric acid; allylbarbital
Trade names: Esgic, Fiorinal, Medigesic Plus, Panitol, Sandoptal Repan
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 6.0
GC: 1670; 200°C





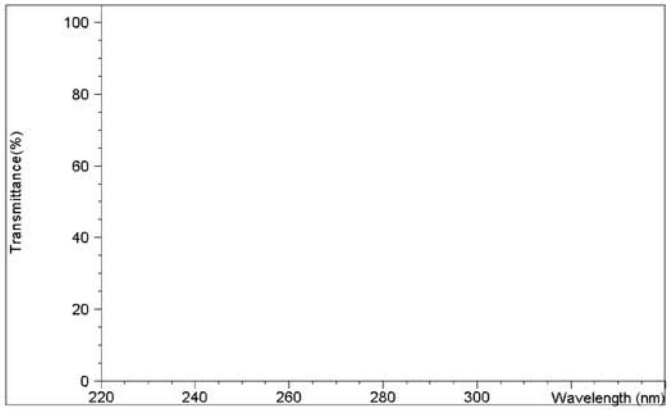


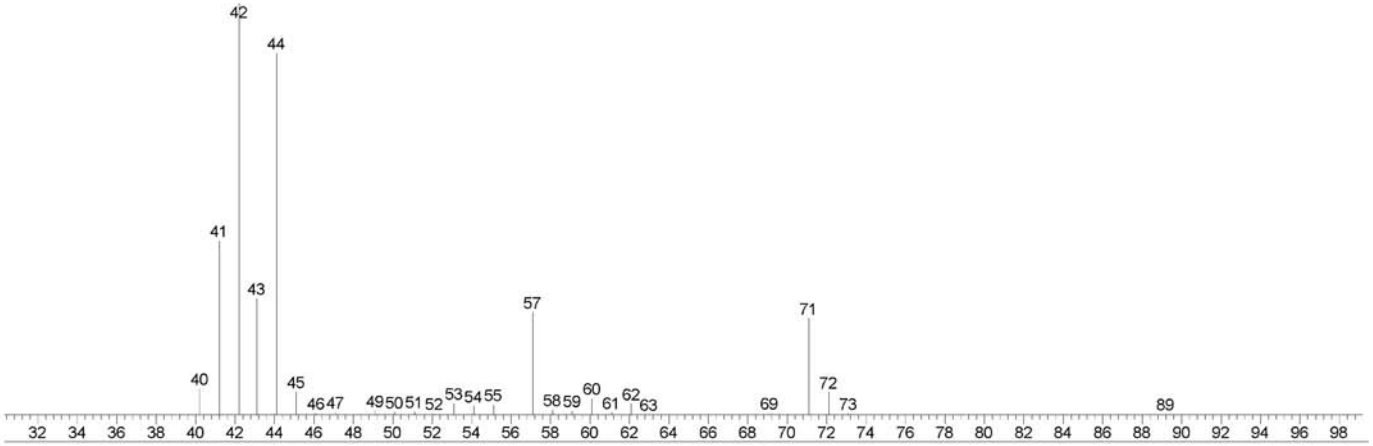

BUTALBITAL (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 111 .00
2 90 .77
3 99 .79
4 22 1.80
5 19 1.82
6 15 2.47
7 28 2.50
8 26 3.32
9 14 5.08
10 14 5.09
BUTALBITAL
FT-IR
A 1428
B 836
C 498
D 406
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C D

BUTANEDIOL

$C_4H_{10}O_2$

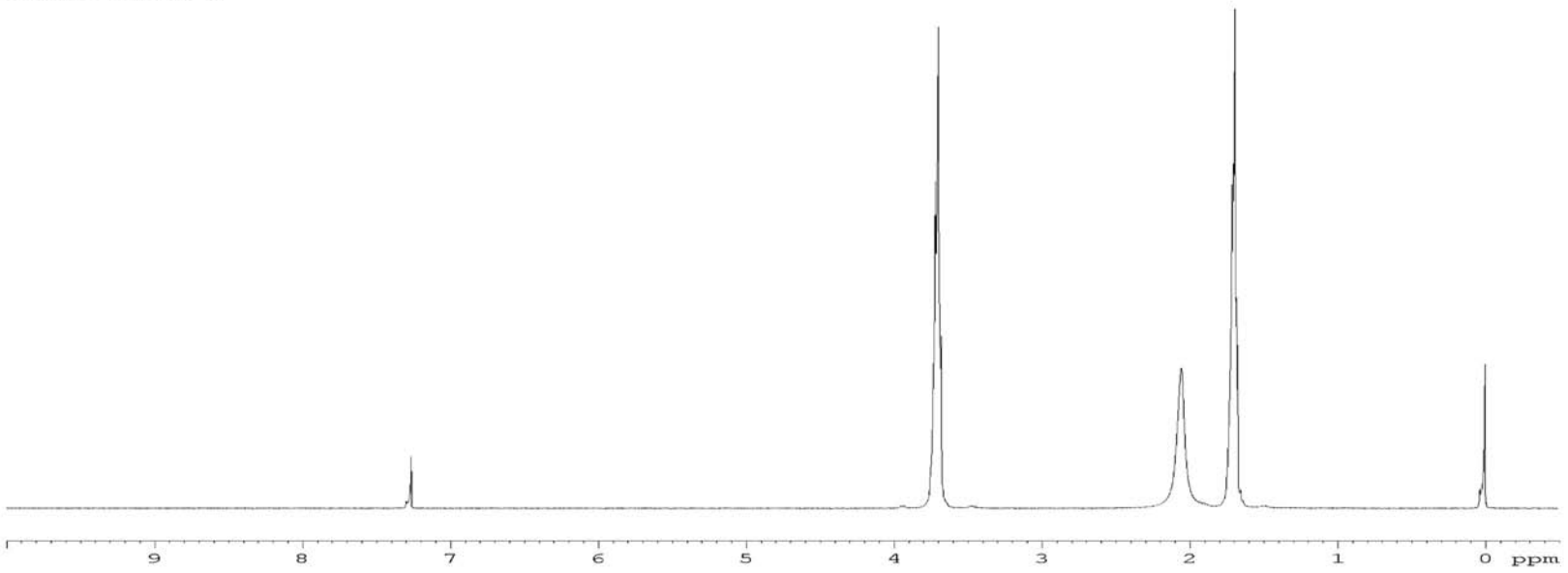
Molecular Weight: 90.12 (90.07)
Synonyms: GHB-alcohol, 1,4-butylene glycol, tetramethylene, α-hydroxybutanol
Trade names:
Use: manufacturing



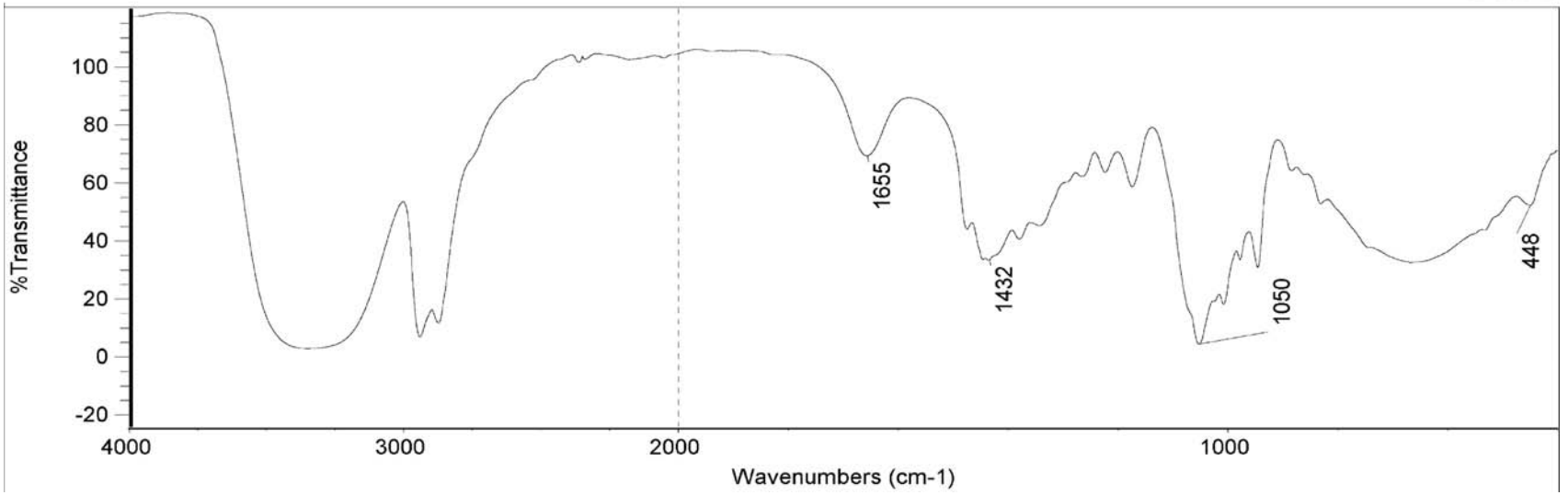


BUTANEDIOL

FTNMR



FT-IR

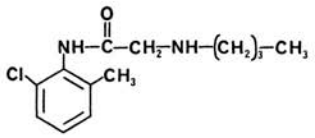


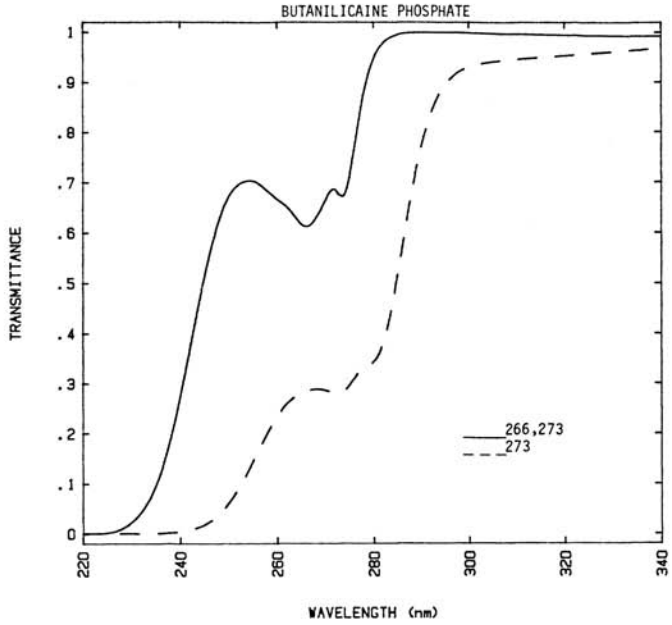
BUTANILICAINE

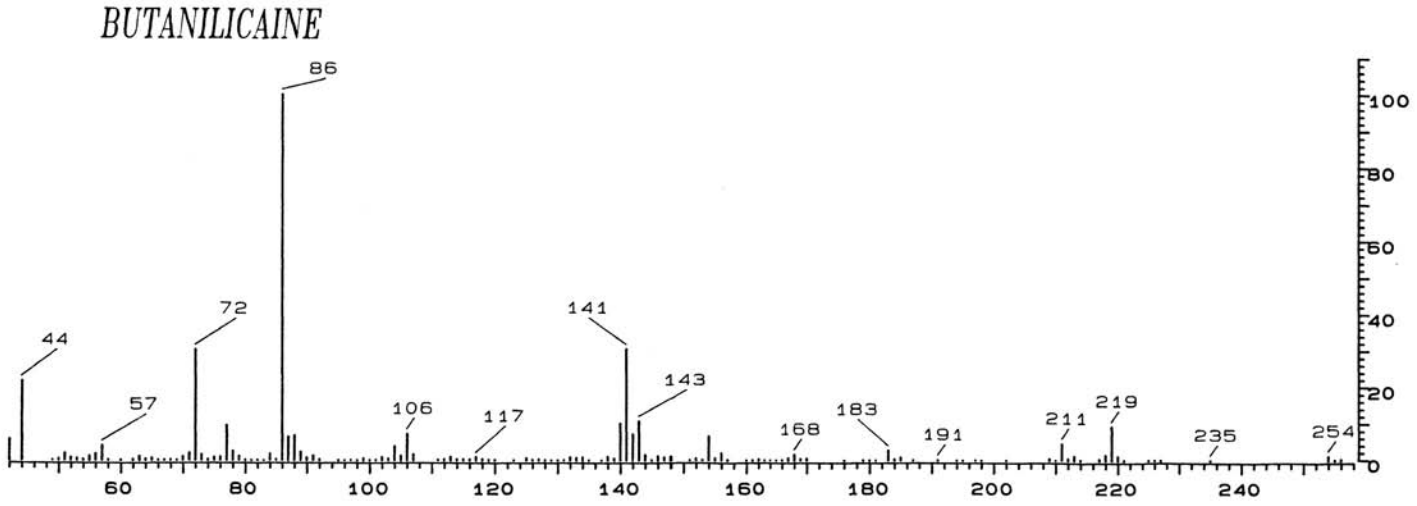
$C_{13}H_{19}ClN_2O$

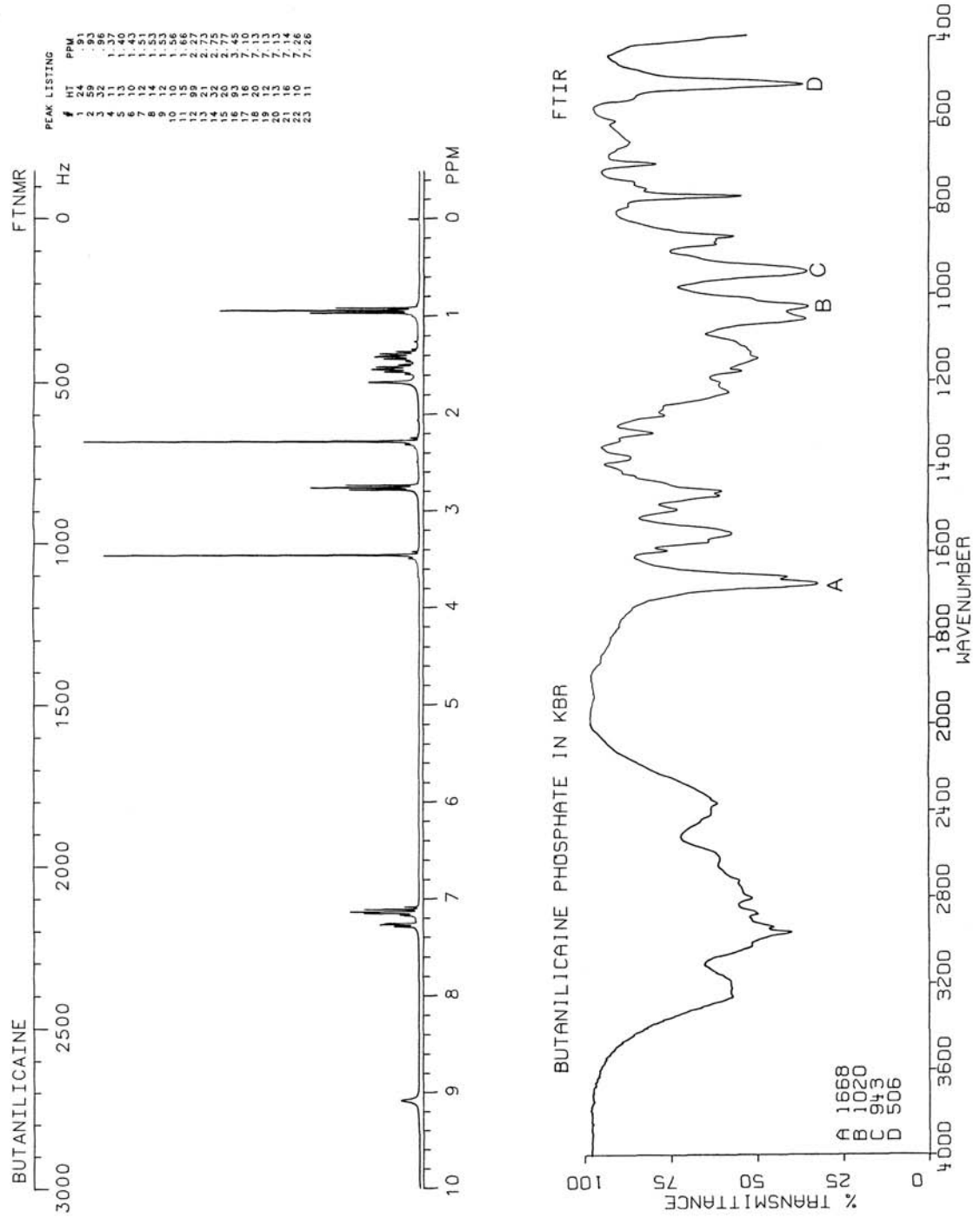
Molecular weight: 254.77 (254.12)
Synonyms: 2-(Butylamino)-N-(2-chloro-6-methylphenyl)acetamide;
N-(butylaminoacetyl)-6-chloro-O-toluidine
Trade names: Hostacaine

Use: Local anesthetic
HPLC:
GC: 2081; 250°C







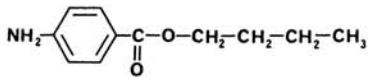

BUTANILICAINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 24 .91
2 59 1.32
3 32 1.36
4 11 1.37
5 13 1.40
6 10 1.43
7 12 1.51
8 14 1.53
9 12 1.53
10 10 1.56
11 15 1.66
12 99 2.27
13 31 2.73
14 32 2.75
15 20 2.77
16 93 3.45
17 16 7.10
18 20 7.13
19 12 7.13
20 15 7.13
21 16 7.14
22 10 7.26
23 11 7.26
BUTANILICAINE PHOSPHATE IN KBR
FTIR
A 1668
B 1020
C 943
D 506
A
B C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

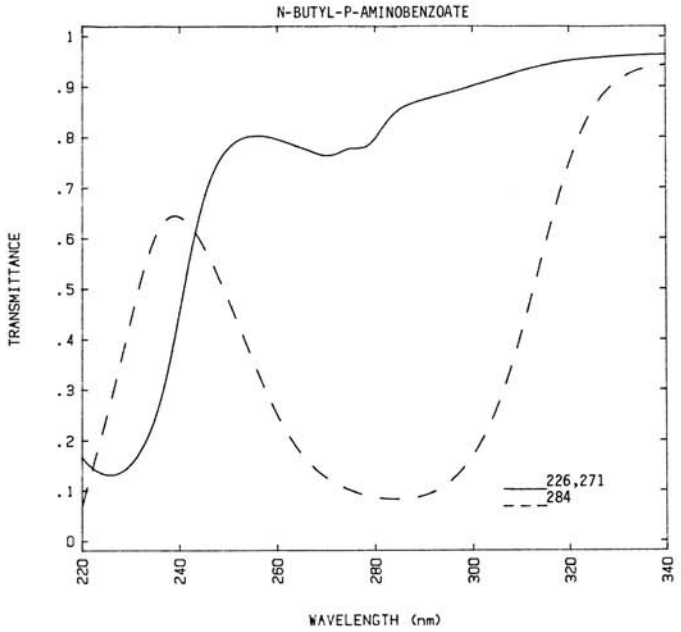
BUTESIN

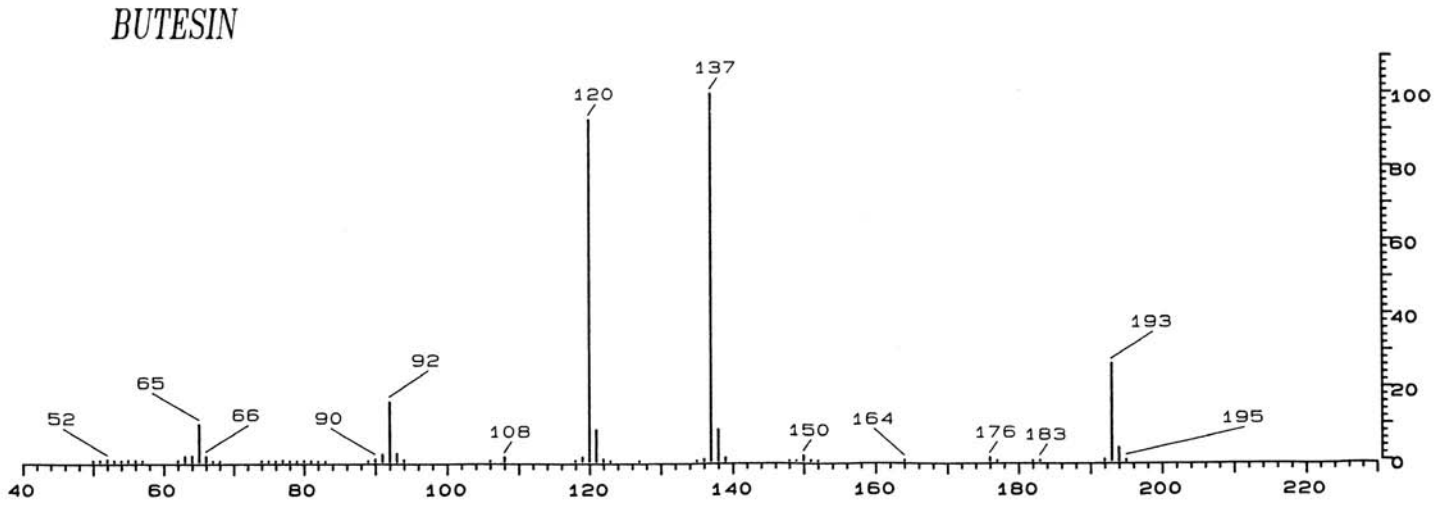
$C_{11}H_{15}NO_2$

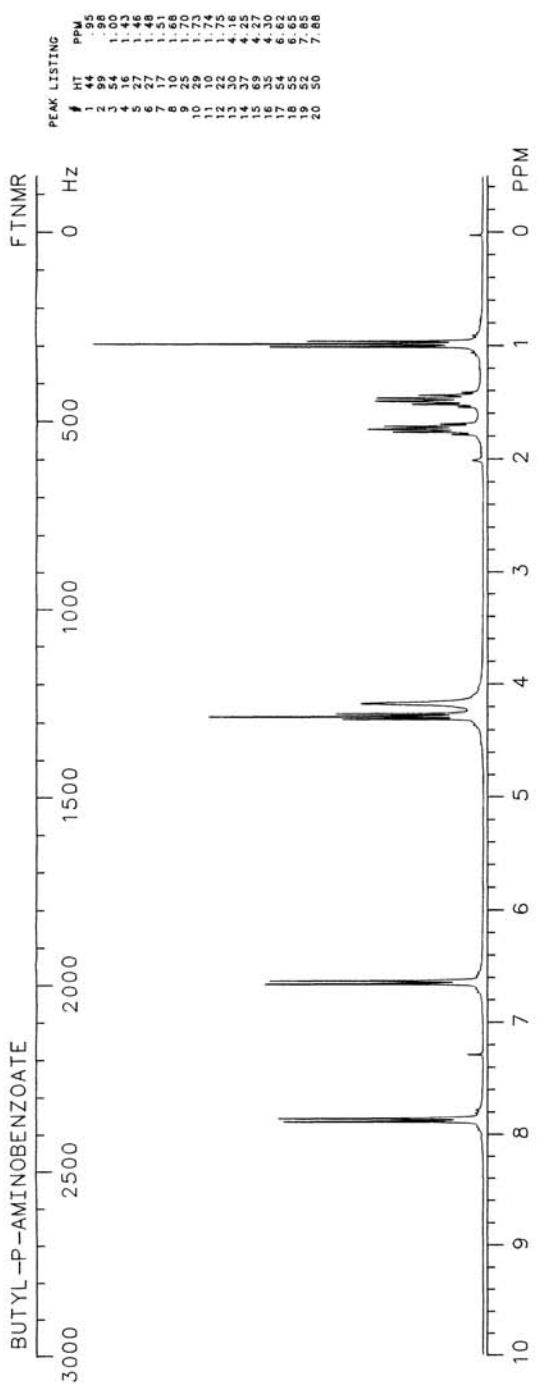
Molecular weight: 193.24 (193.11)
Synonyms: 4-Aminobenzoic acid butyl ester; butylaminobenzoate; Butamben; n-butyl-p-aminobenzoate
Trade names: Butesin, Butoform, Planloform, Scuroforme

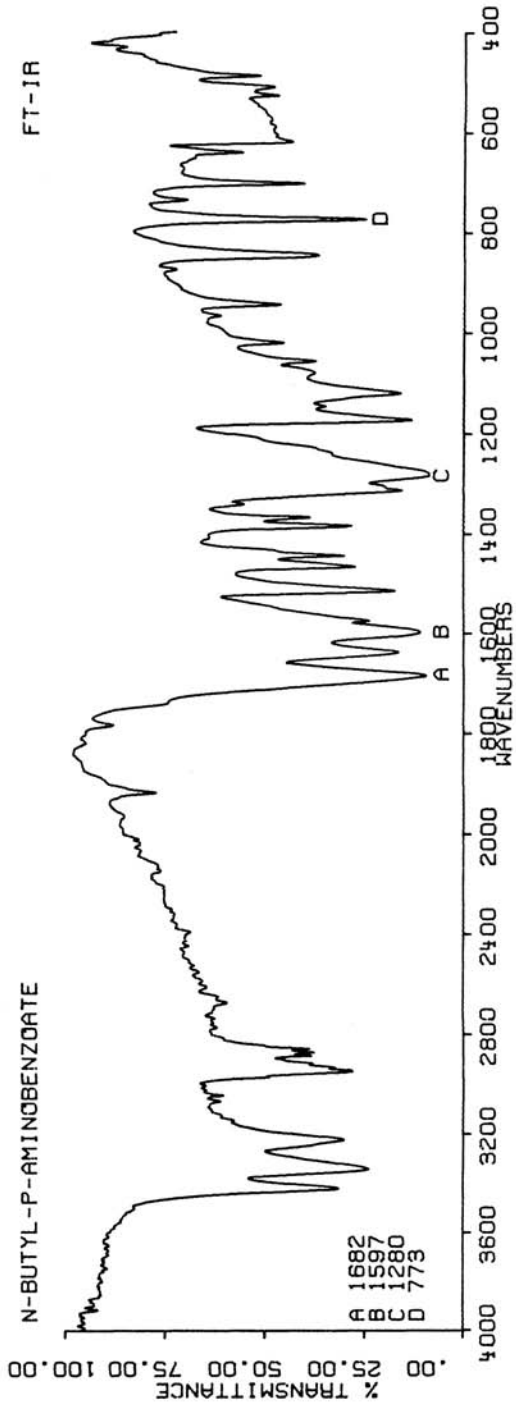
Use: Topical anesthetic
HPLC: Si-10; 5A:95B; 6.9
GC: 1781; 200°C








BUTYL-P-AMINOBENZOATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 44 .95
2 89 1.38
3 54 1.40
4 16 1.43
5 27 1.46
6 27 1.48
7 17 1.51
8 10 1.68
9 25 1.70
10 29 1.73
11 10 1.74
12 22 1.75
13 30 4.16
14 37 4.25
15 69 4.27
16 35 4.30
17 54 6.62
18 55 6.65
19 52 7.85
20 50 7.88

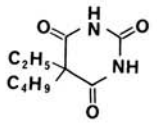

N-BUTYL-P-AMINOBENZOATE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1682
B 1597
C 1280
D 773

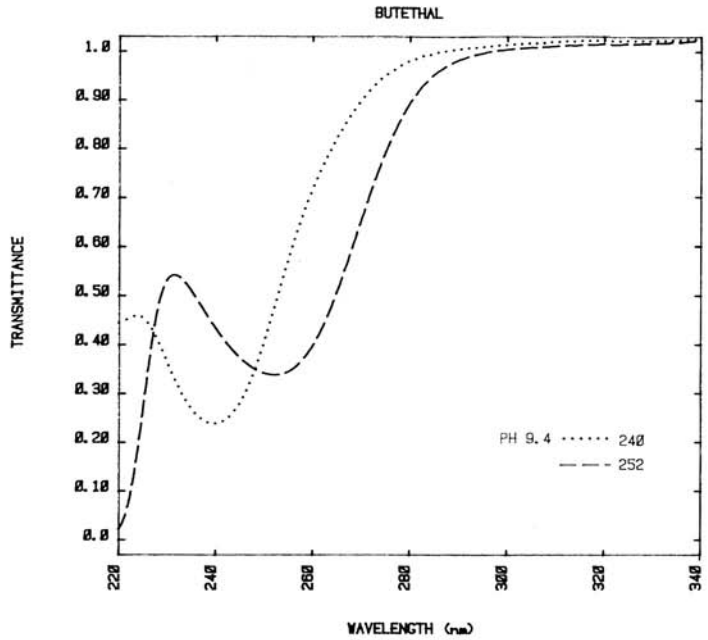
BUTETHAL

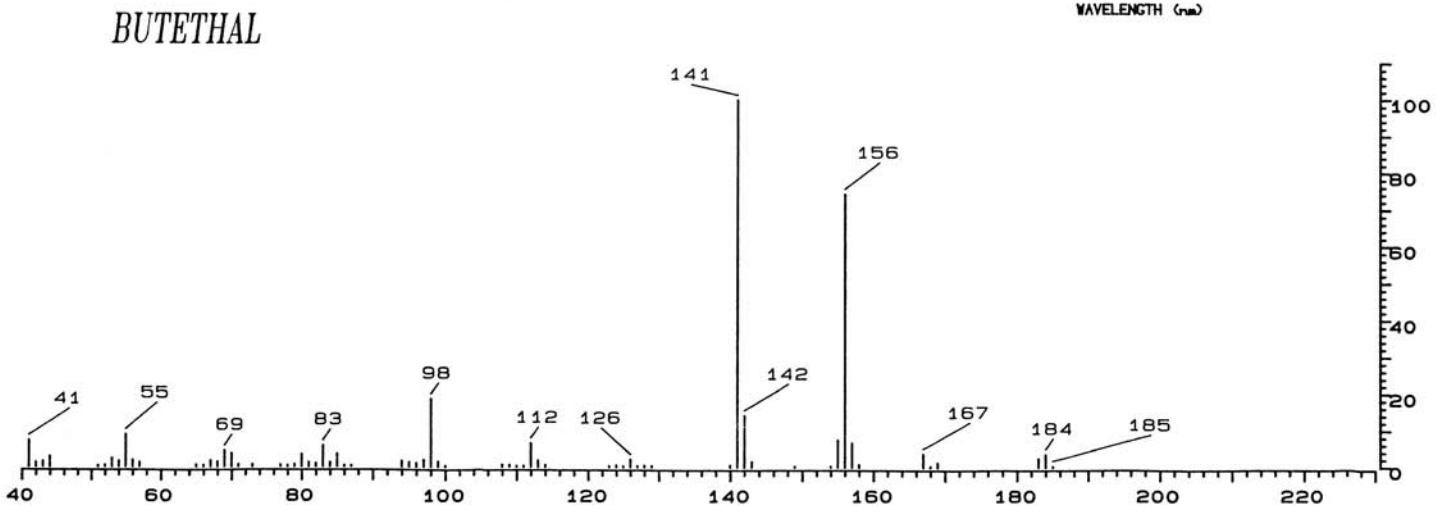
$C_{10}H_{16}N_2O_3$

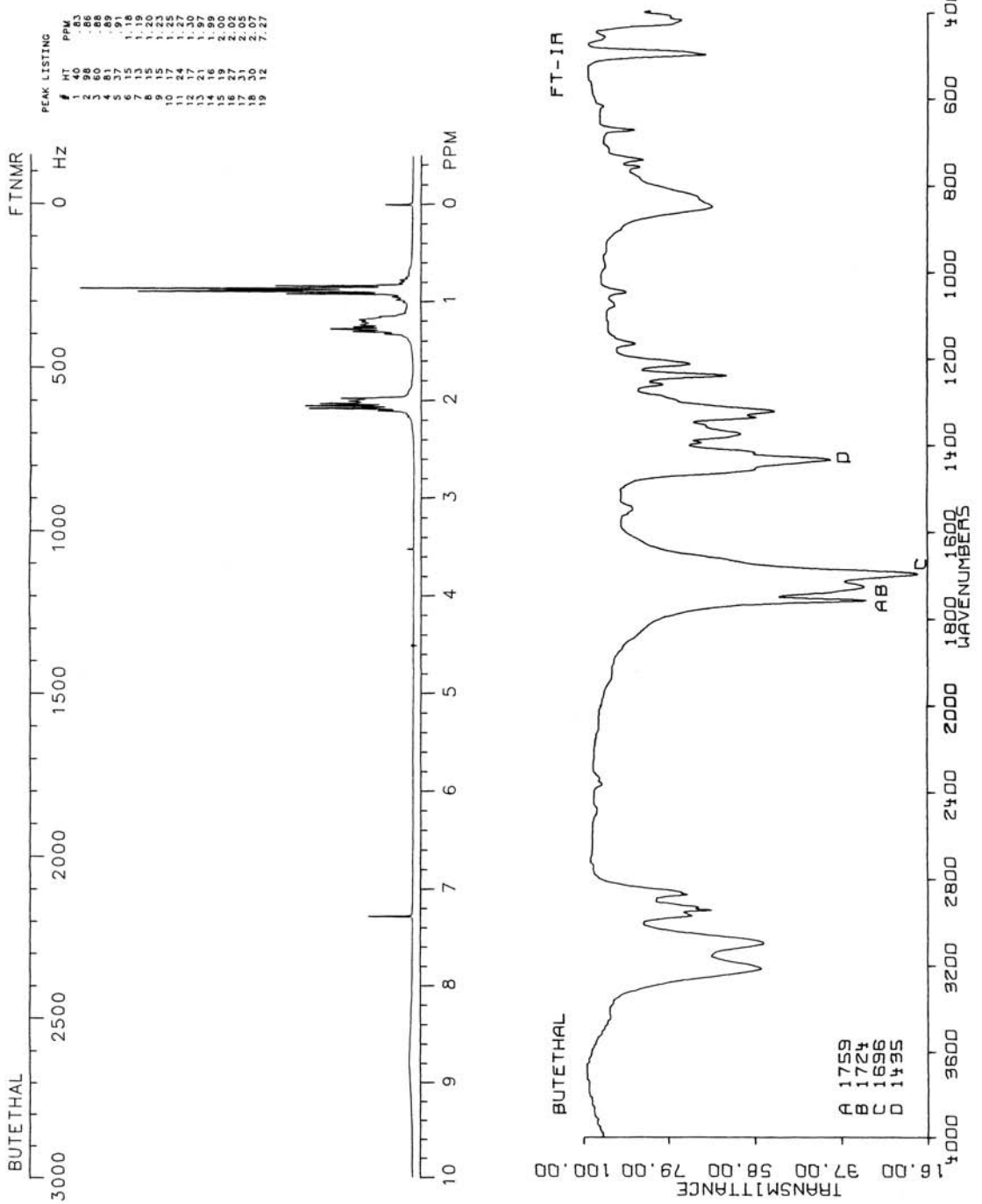
Molecular weight: 212.25 (212.12)
Synonyms: 5-Butyl-5-ethyl-2,4,6(1H,3H,5H)pyrimidinetrione; 5-butyl-5-ethylbarbituric acid; butobarbitone; butobarbital
Trade names: Neonal

Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 6.0
GC: 1671; 200°C








BUTETHAL
FTNMR
PEAK LISTING
HT PPM
1 40 .83
2 98 .86
3 60 .88
4 81 .89
5 17 .91
6 15 1.16
7 13 1.19
8 15 1.20
9 15 1.23
10 17 1.25
11 24 1.27
12 17 1.30
13 21 1.97
14 16 1.99
15 19 2.00
16 27 2.02
17 31 2.05
18 30 2.07
19 12 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
BUTETHAL
FT-IR
A 1759
B 1724
C 1696
D 1495
AB
C
D
TRANSMITTANCE
16.00 37.00 58.00 79.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

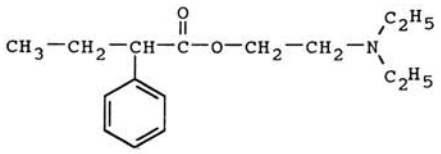
BUTETHAMATE

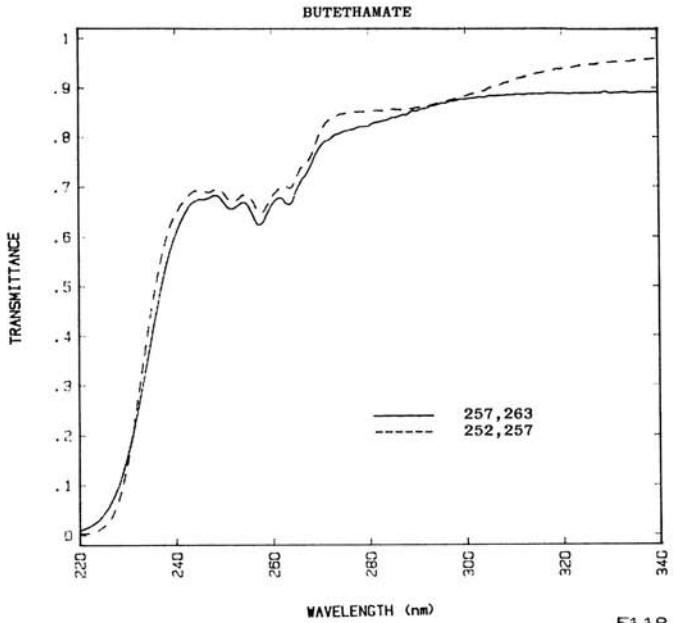
$C_{16}H_{25}NO_2$

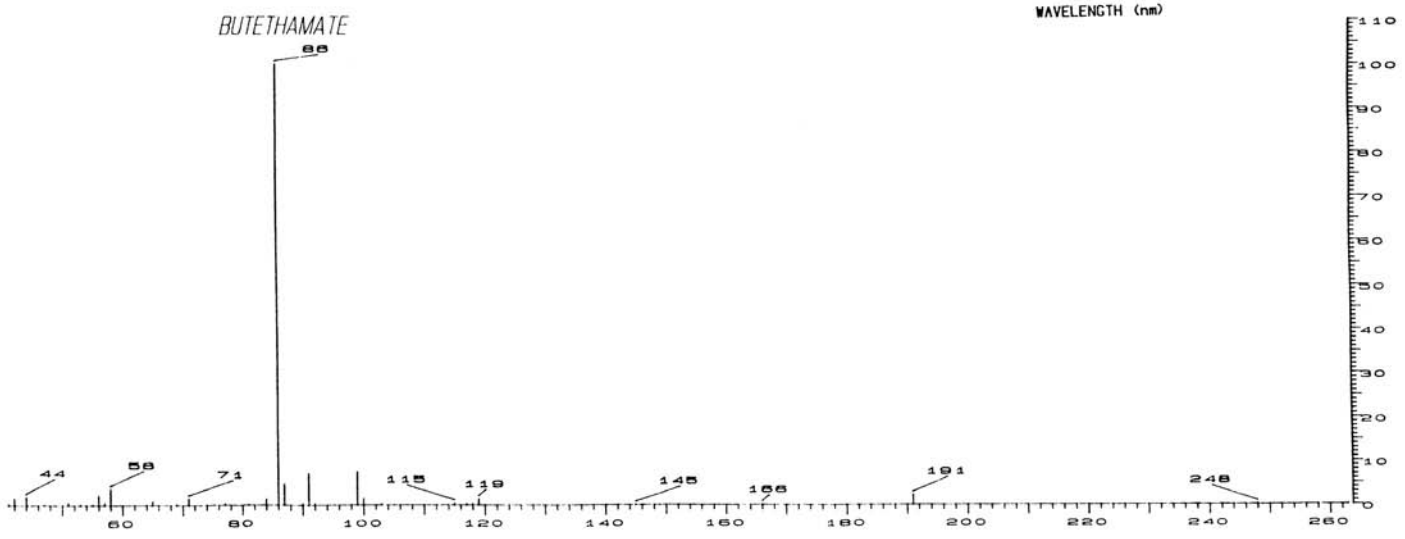
Molecular weight: 263.37 (263.19)

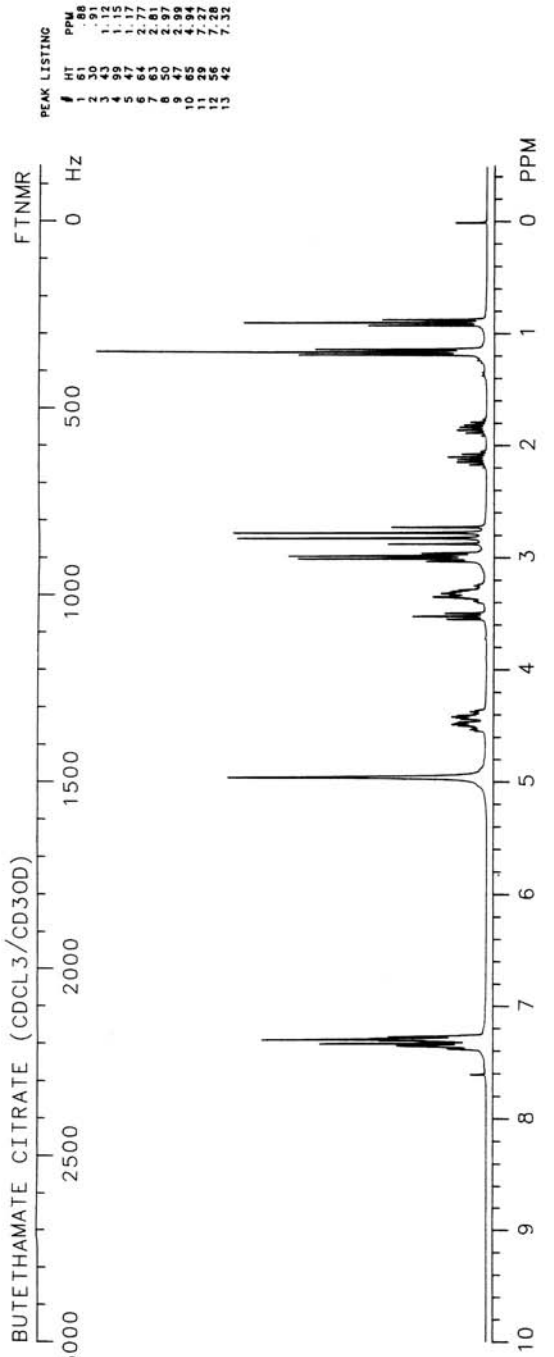
Synonyms: Benzeneacetic acid α-ethyl-2-(diethylamino)ethyl ester; 2-phenyl-butyric acid 2-(diethylamino)ethyl ester; butetamate
Trade names: Abuphenine, Convenil, Hicosern, Pertix, Phenesin, Phenetin

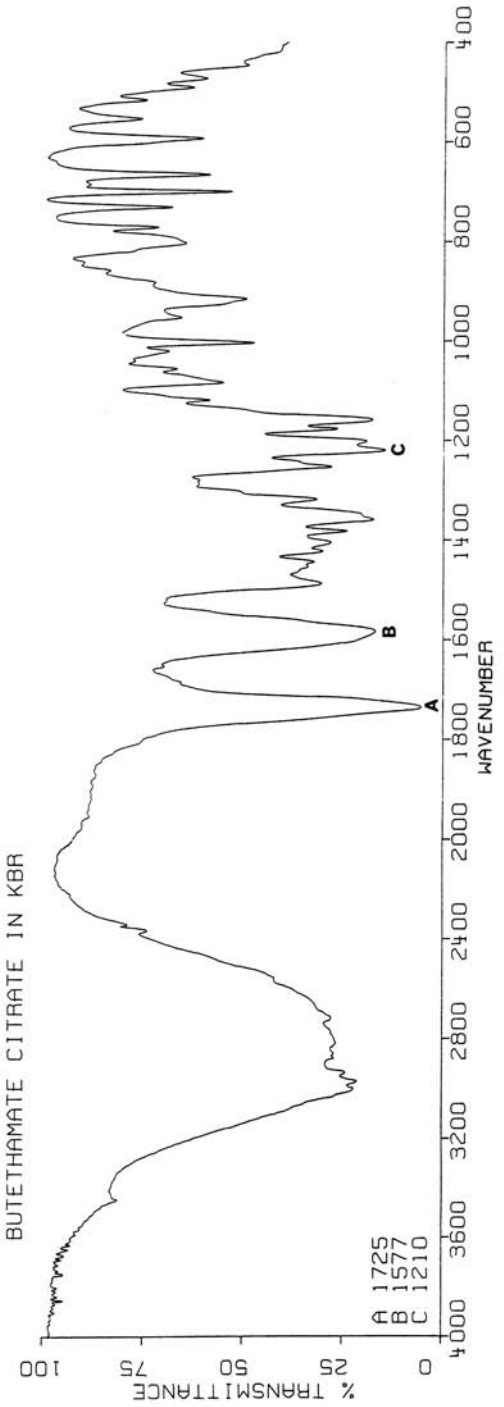
Use: Antitussive
HPLC: 90A:10B; 2.5
GC: 1758; 200°








BUTETHAMATE CITRATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 61 .88
2 30 .91
3 43 1.12
4 99 1.15
5 47 1.17
6 64 2.77
7 63 2.81
8 50 2.97
9 47 4.94
10 67 7.27
11 29 7.28
12 56 7.32
13 42


BUTETHAMATE CITRATE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
A 1725
B 1577
C 1210

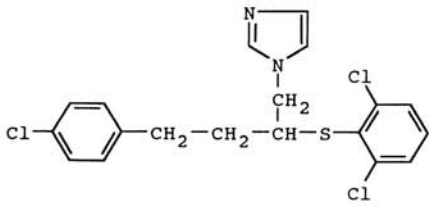
BUTOCONAZOLE

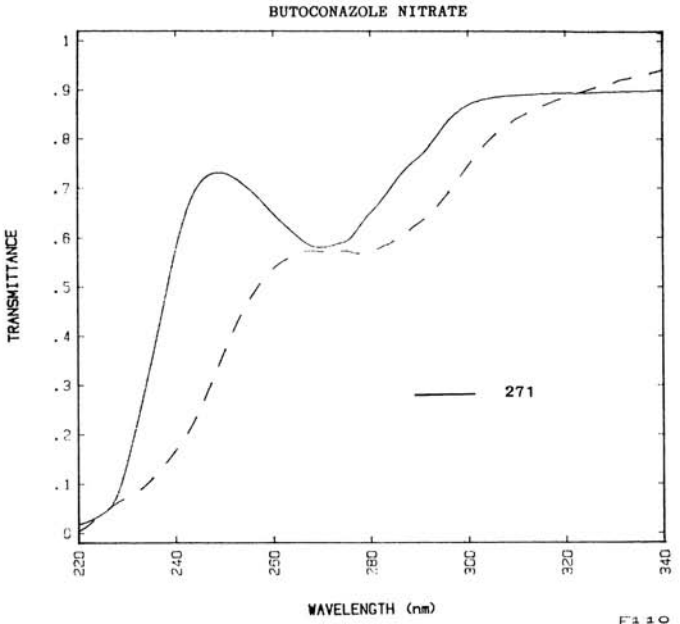
$C_{19}H_{17}Cl_3N_2S$

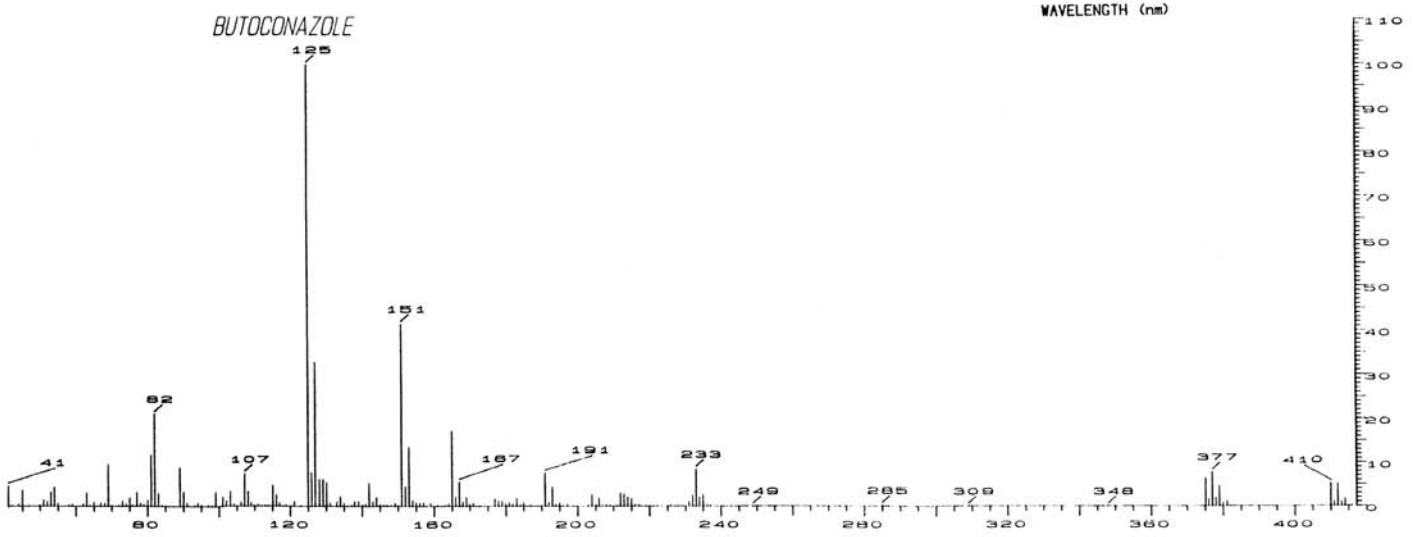
Molecular weight: 411.78 (410.02)

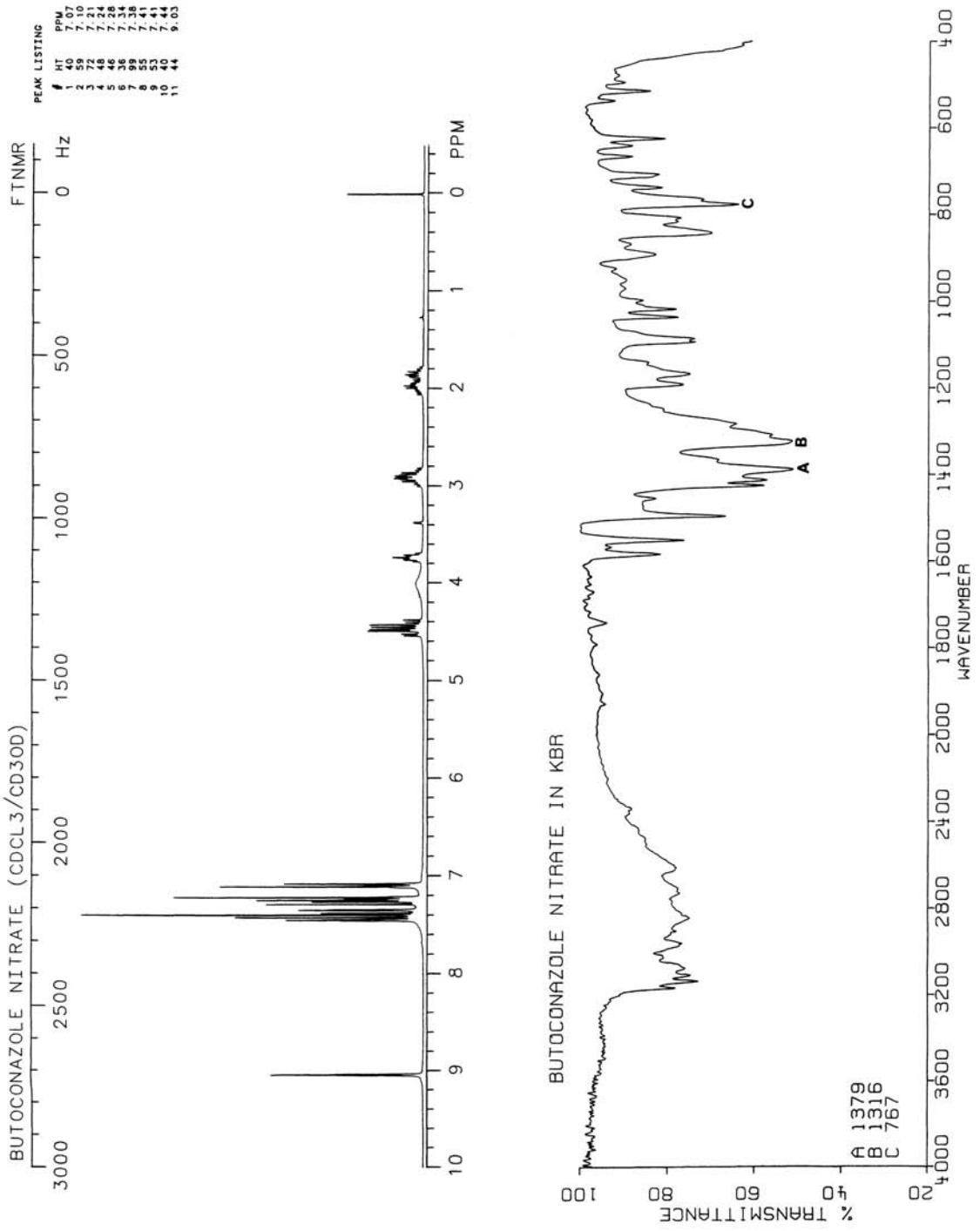
Synonyms: (±)-1-[4-(4-Chlorophenyl)-2-[2,6-dichlorophenyl) thio]butyl]-1H-imidazole
Trade names: Exelgyn, Femstat, Gynomyk

Use: Antifungal
HPLC: 90A:10C; 2.2
GC: 3241; 280°







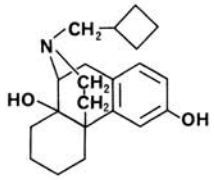

BUTOCONAZOLE NITRATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 40 7.07
2 59 7.10
3 72 7.21
4 48 7.24
5 46 7.28
6 36 7.34
7 99 7.38
8 55 7.41
9 53 7.41
10 40 7.44
11 44 9.03
BUTOCONAZOLE NITRATE IN KBR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1379
B 1316
C 767
A B C

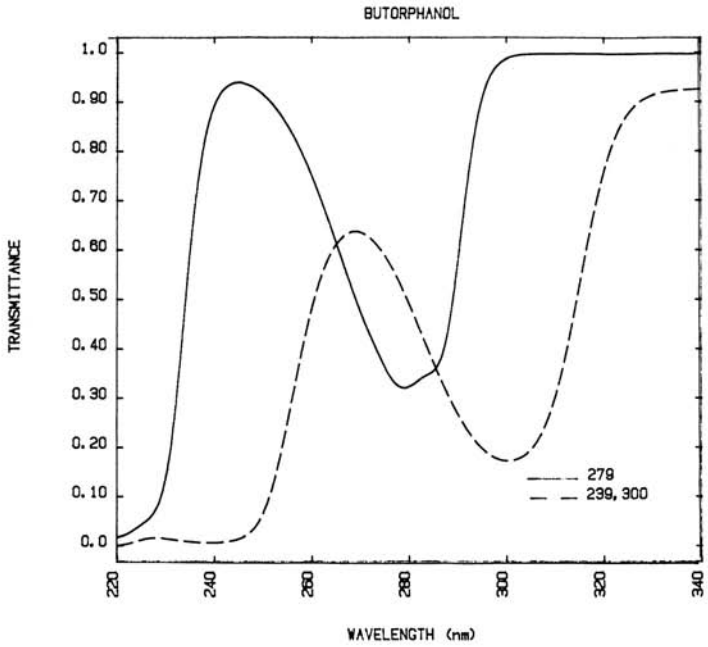
BUTORPHANOL

$C_{21}H_{29}NO_2$

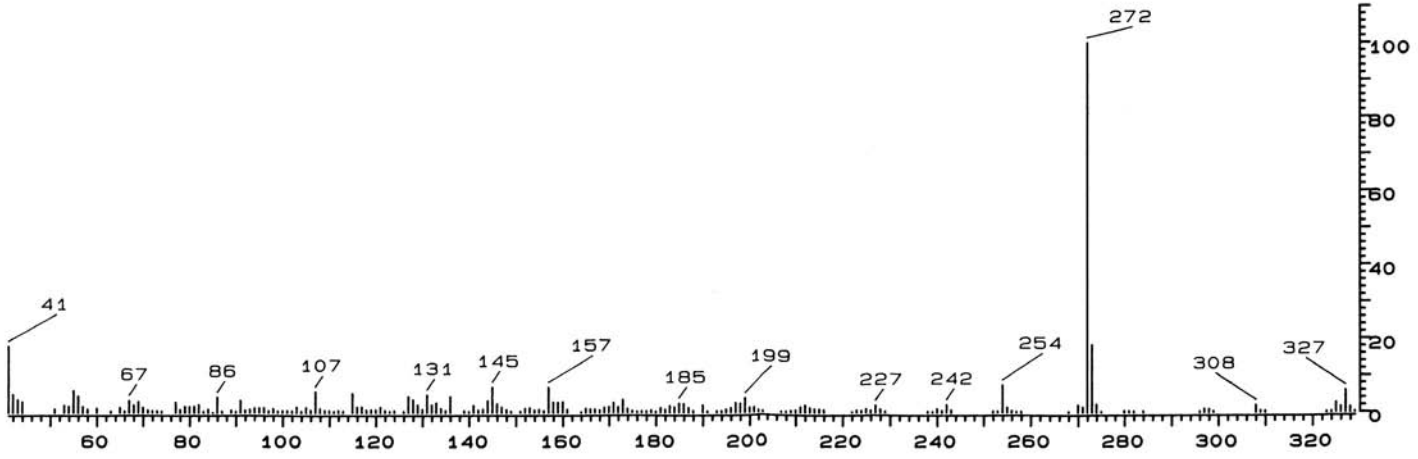
Molecular weight: 327.47 (327.22)
Synonyms: Levo-N-cyclobutylmethyl-6,10aβ-dihydroxy-1,2,3,9,10,-10a-hexahydro-(4H)-10,4a-iminoethanophenanthrene
Trade names: Stadol

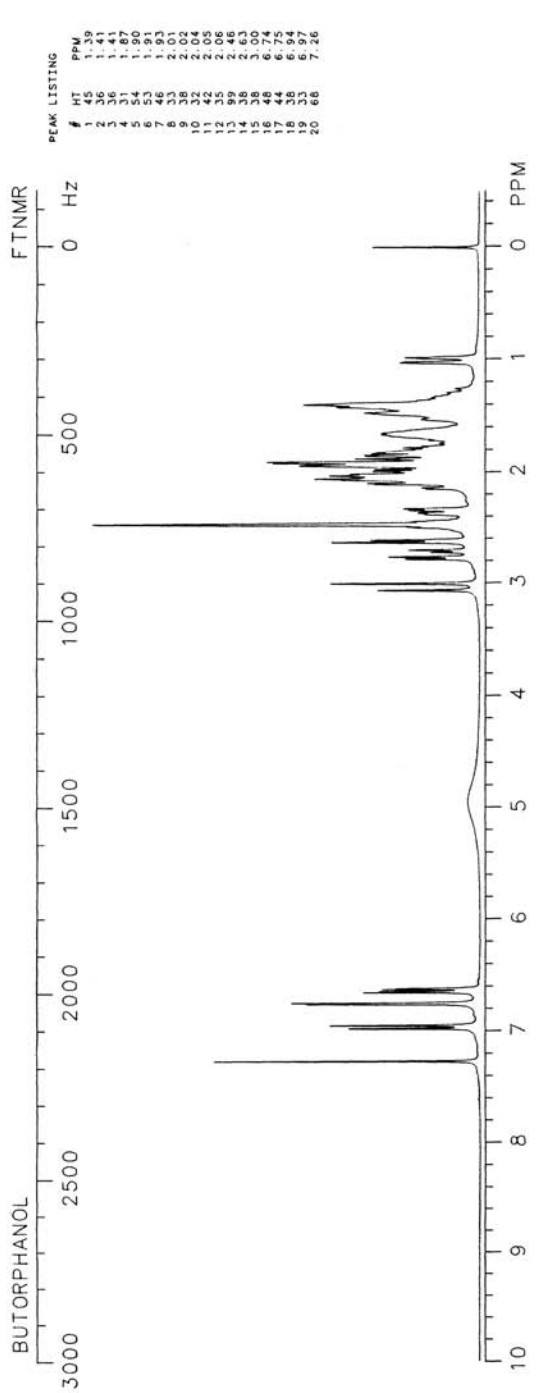
Use: Analgesic
HPLC:
GC: 2837; 280°C

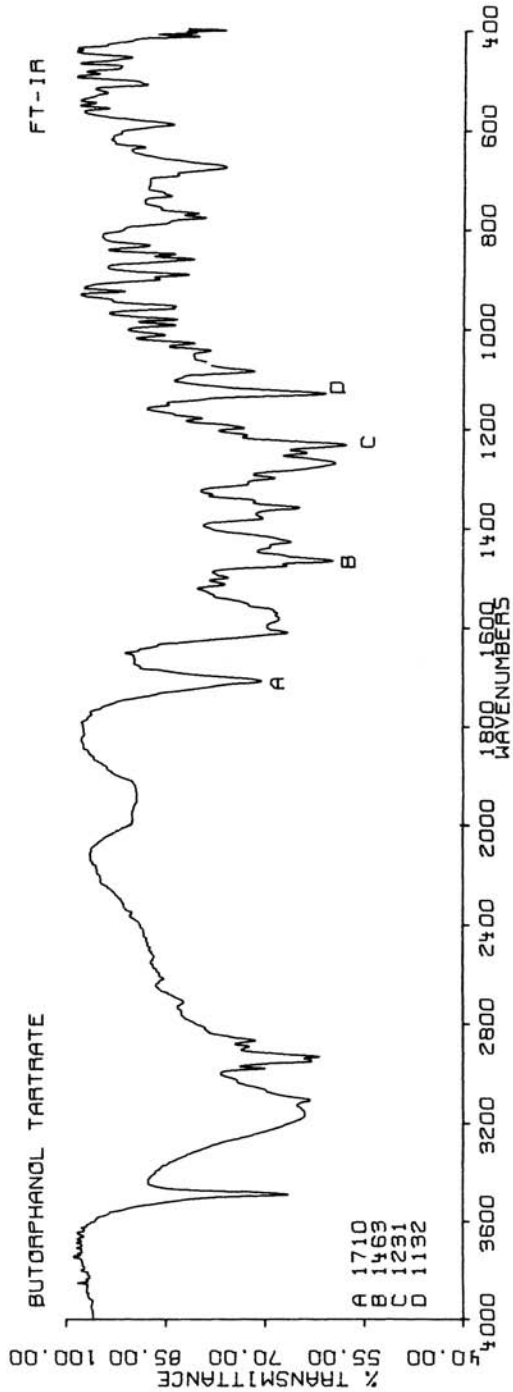




BUTORPHANOL



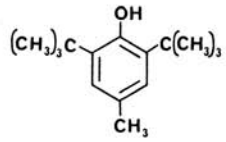

BUTORPHANOL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 45 1.39
2 36 1.41
3 36 1.41
4 31 1.87
5 54 1.90
6 53 1.91
7 46 1.93
8 33 2.01
9 38 2.02
10 32 2.04
11 42 2.05
12 35 2.06
13 39 2.46
14 38 2.63
15 38 3.00
16 48 6.74
17 44 6.75
18 38 6.94
19 33 6.97
20 68 7.26

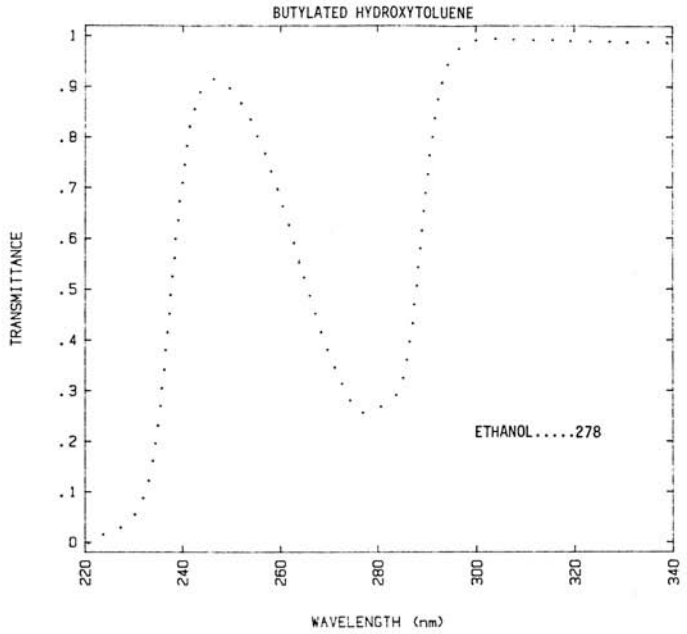

BUTORPHANOL TARTRATE
FT-IR
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D
A 1710
B 1463
C 1231
D 1132

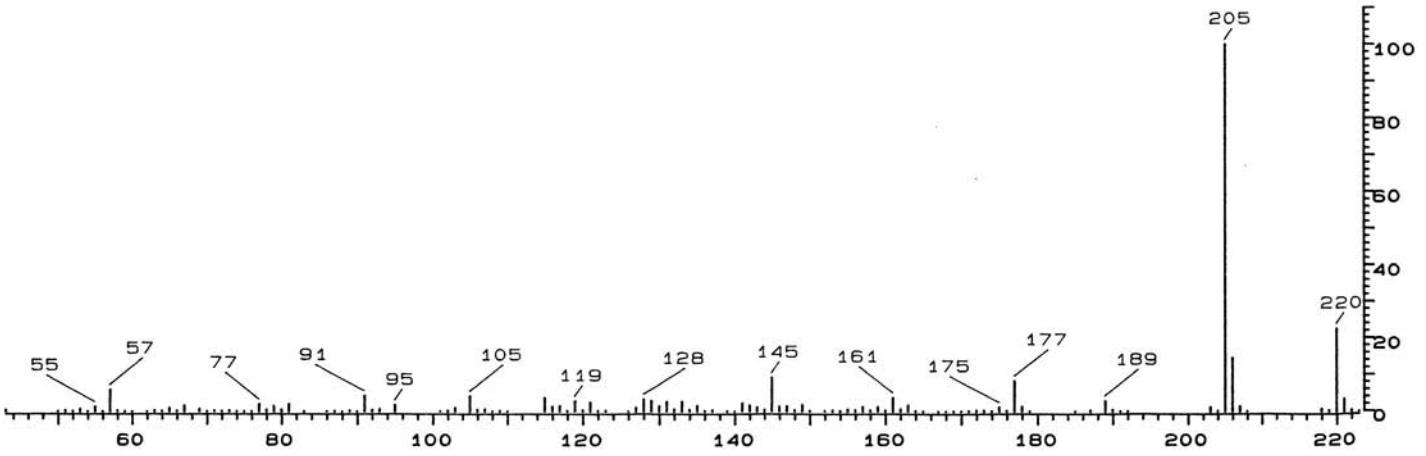
BUTYLATED HYDROXYTOLUENE

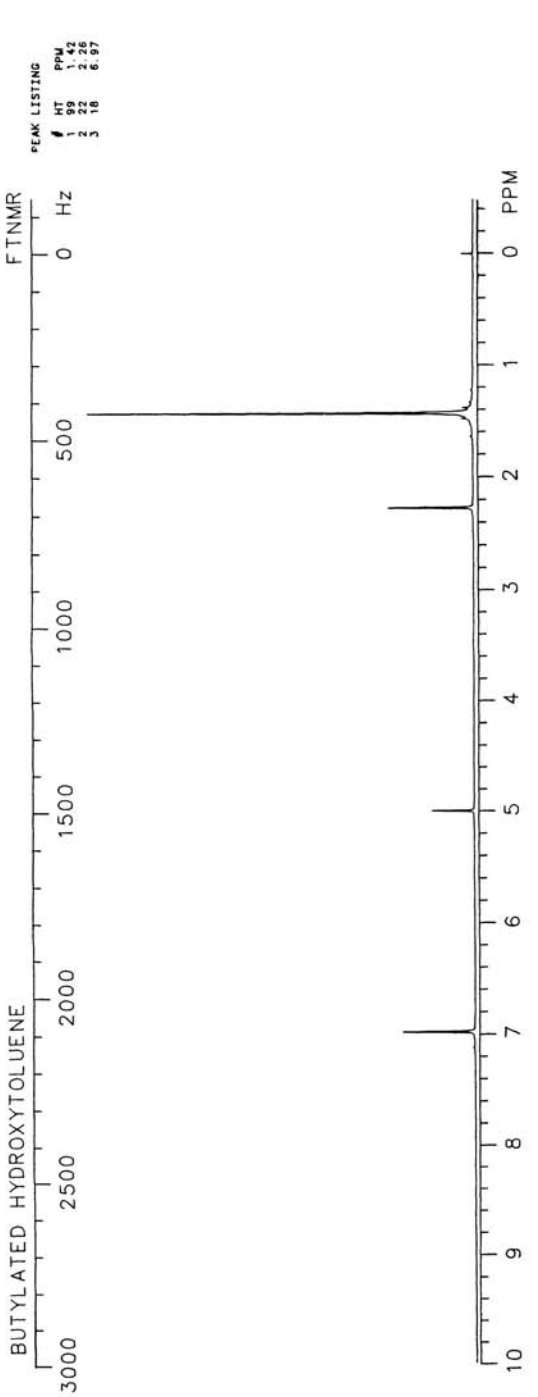
$C_{15}H_{24}O$

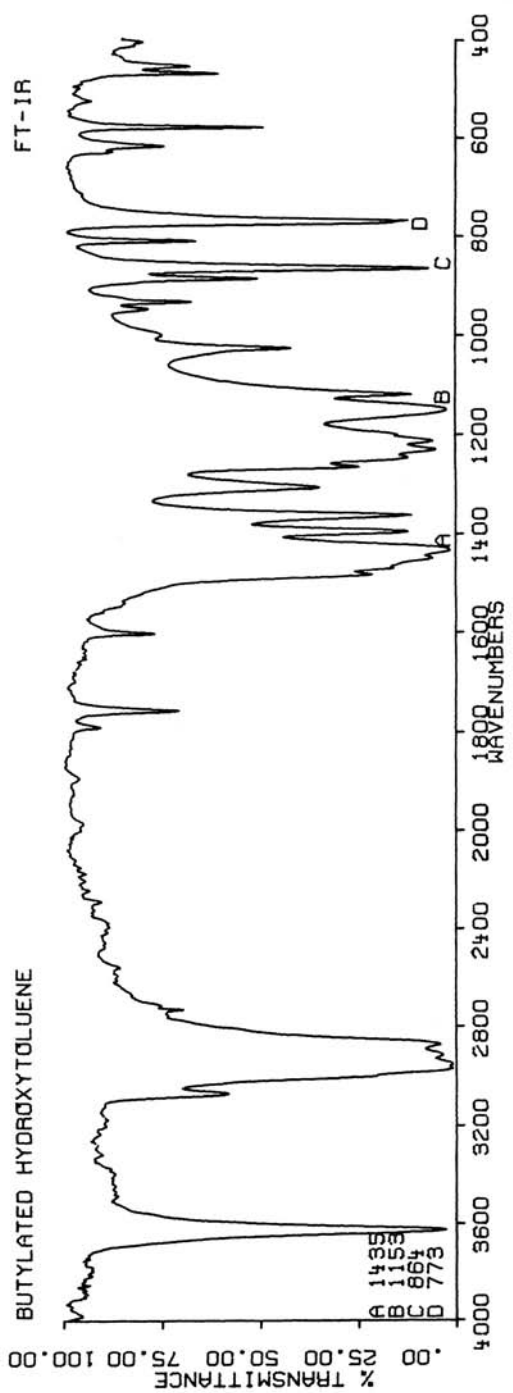
Molecular weight: 220.34 (220.18)
Synonyms: 2,6-Bis (1,1-dimethylethyl)-4-methylphenol; 2,6-di-tert-butyl-p-cresol; BHT; DBPC
Trade names: Antrancine, Anullex BHT, Dalpac, Impruvol, Embanox BHT, Sustane, Tenox BHT, Vianol
Use: Antioxidant
HPLC:
GC: 1506; 200°C








BUTYLATED HYDROXYTOLUENE
FTNMR
PEAK LISTING
HT PPM
1 99 1.42
2 22 2.26
3 18 6.97
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


BUTYLATED HYDROXYTOLUENE
FT-IR
A 1435
B 1153
C 864
D 773
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

BUTYL NITRITE

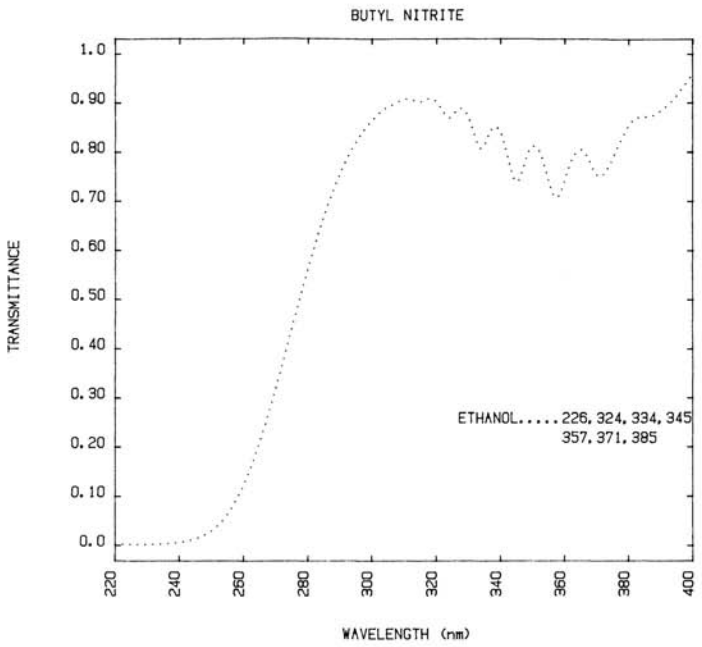
$C_4H_9NO_2$

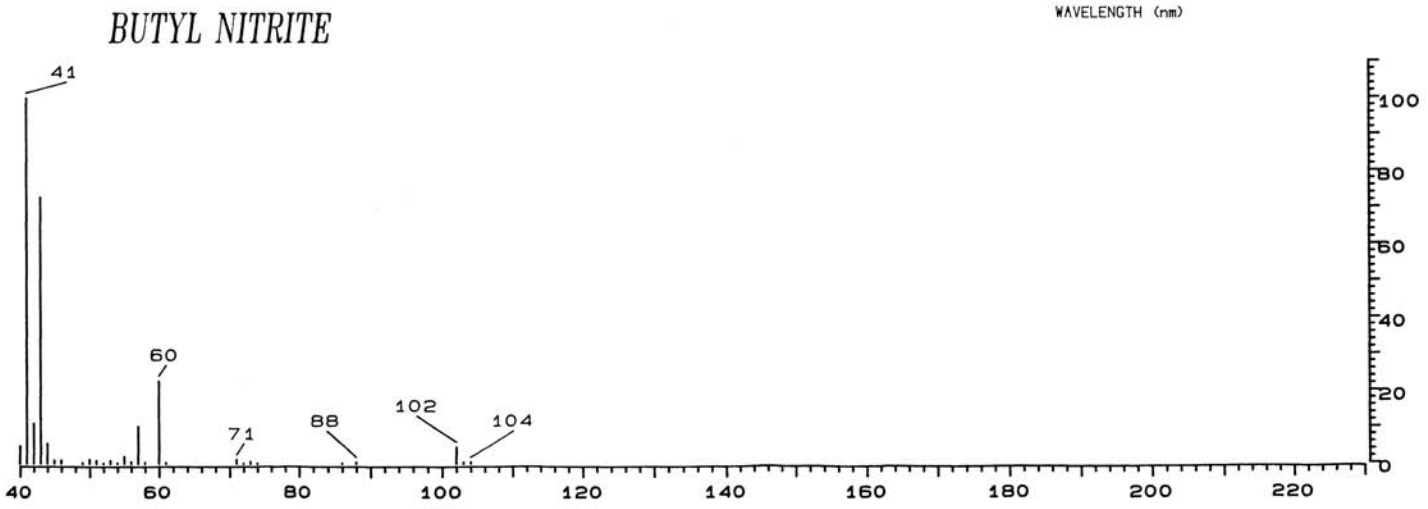
Molecular weight: 103.12 (103.06)
Synonyms: Nitrous acid butylester

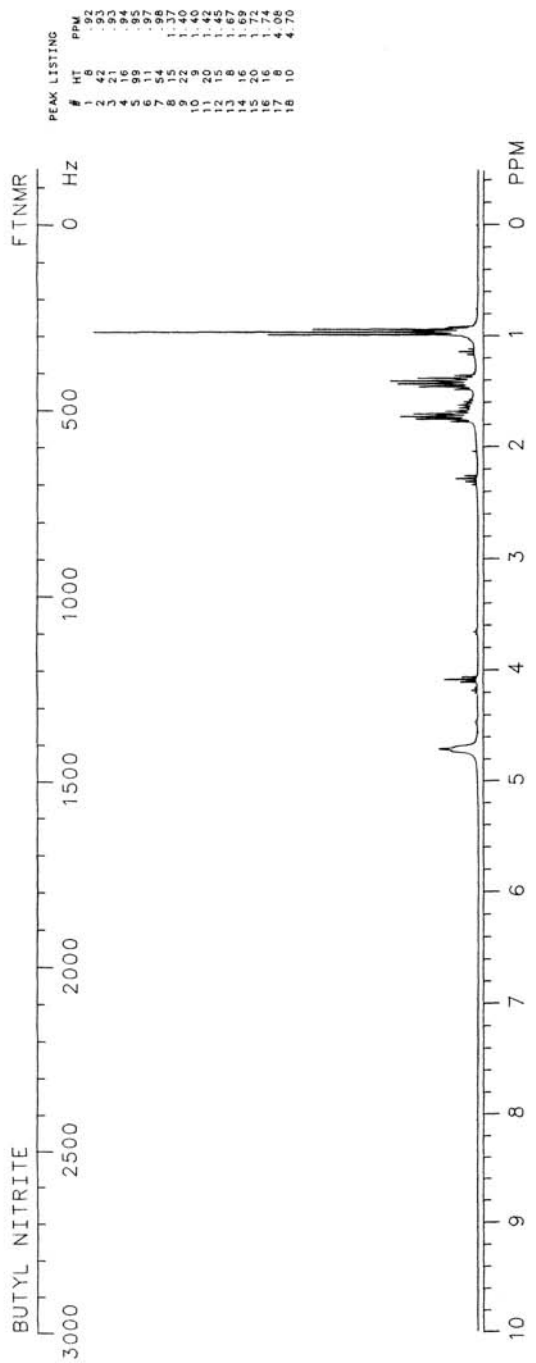
Trade names: Erectorite

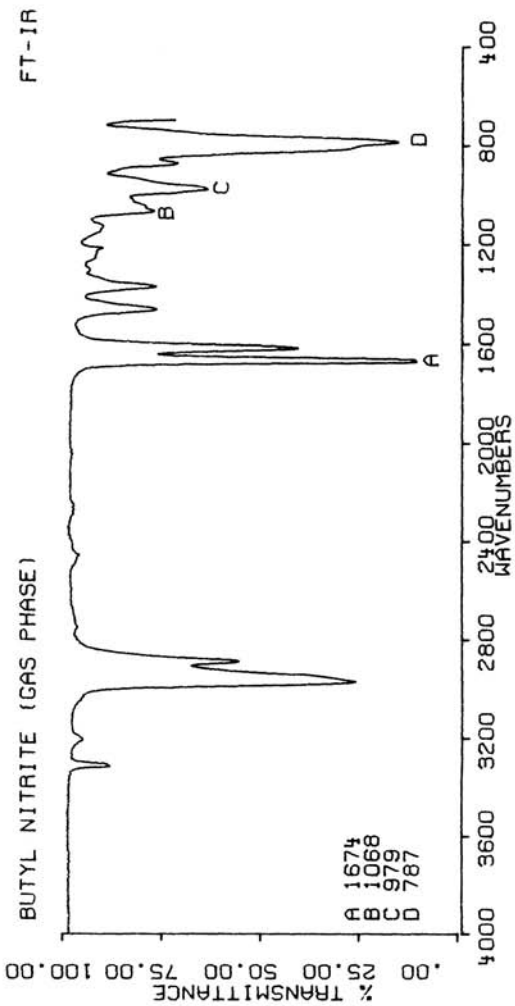
Use: Vasodilator
HPLC:
GC: 621; 80°C

$CH_3-CH_2-CH_2-CH_2-O-N=O$





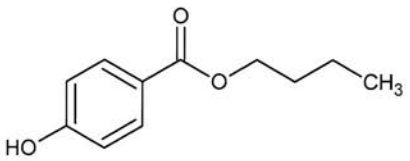

BUTYL NITRITE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 6 .92
2 42 .93
3 21 .93
4 16 .94
5 99 .95
6 11 .97
7 54 .98
8 15 1.37
9 22 1.40
10 9 1.40
11 20 1.42
12 15 1.45
13 8 1.67
14 16 1.69
15 20 1.72
16 16 1.74
17 8 4.06
18 10 4.70

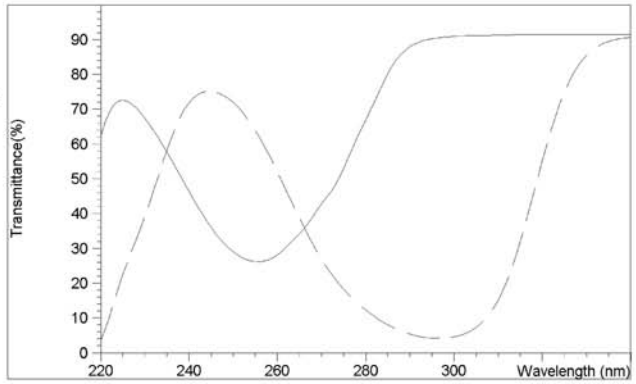

BUTYL NITRITE (GAS PHASE)
FT-IR
A 1674
B 1068
C 979
D 787
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1600 1200 800 400
WAVENUMBERS

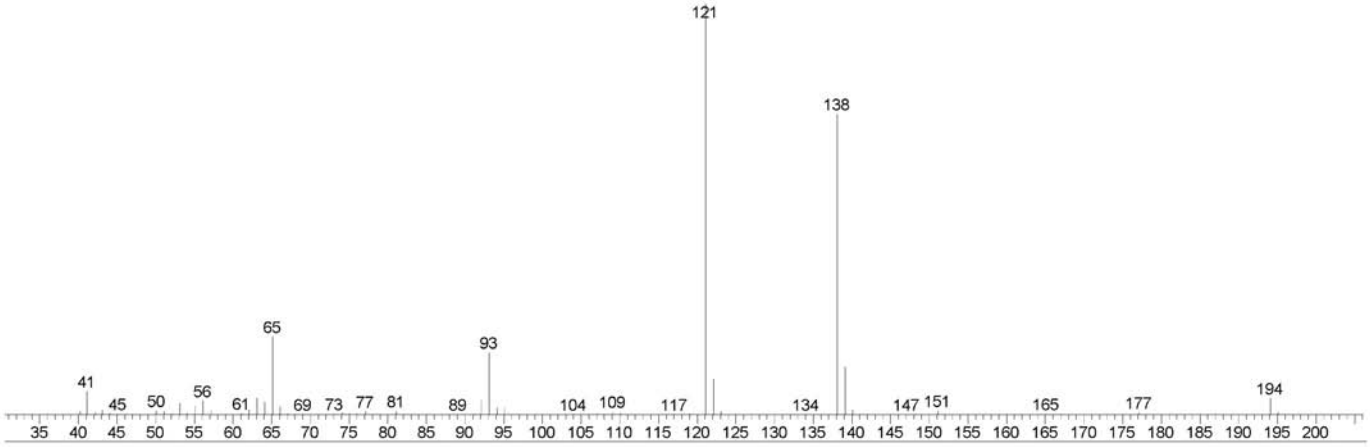
BUTYLPARABEN

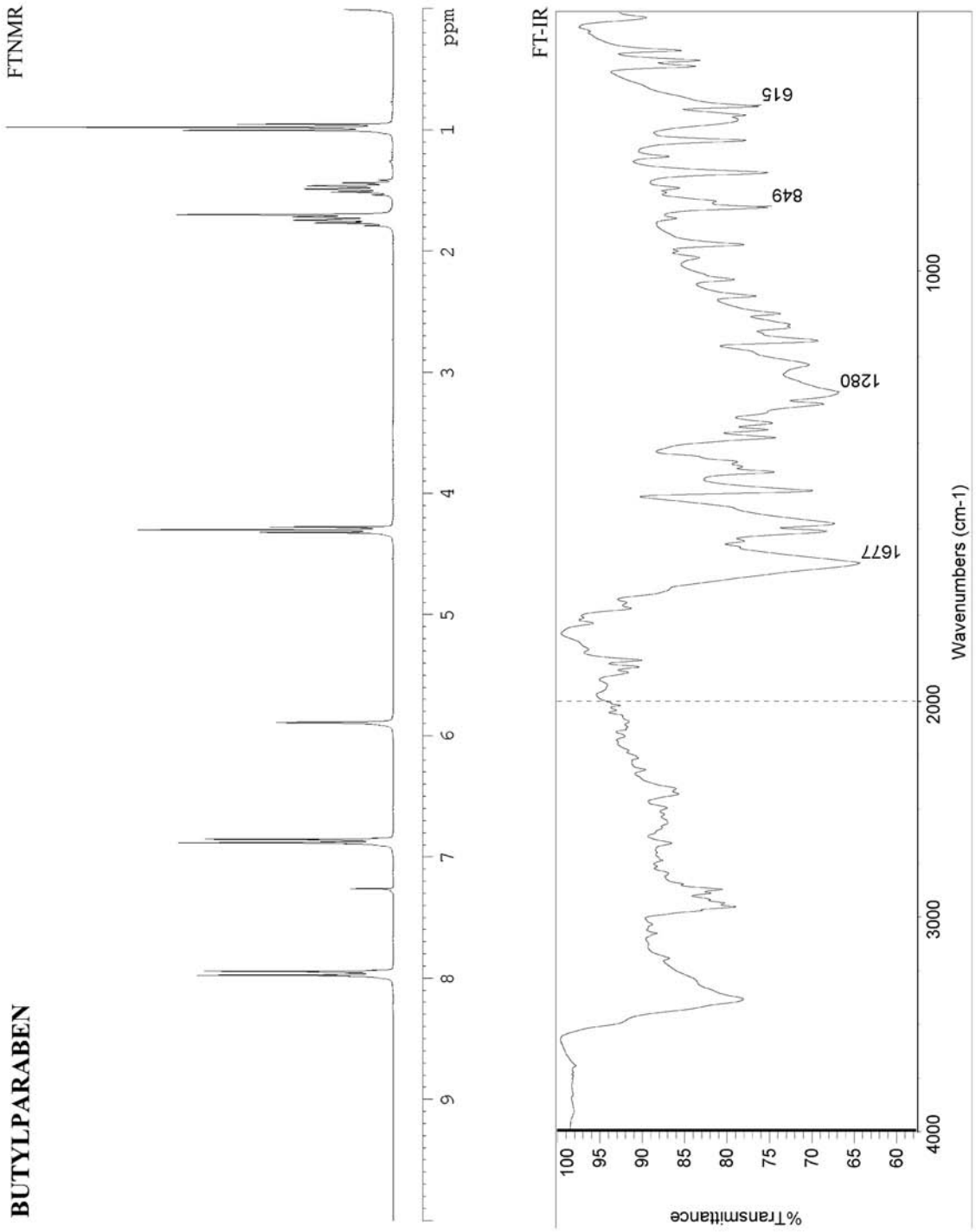
$C_{11}H_{14}O_3$

Molecular Weight: 194.23 (194.09)
Synonyms: 4-Hydroxybenzoic acid butyl ester; *n*-butyl *p*-hydroxybenzoate
Trade names:
Use: Pharmaceutical aid (antifungal), Food preservative







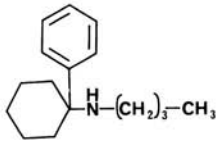

BUTYLPARABEN
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
100
95
90
85
80
75
70
65
60
4000
3000
2000
1000
Wavenumbers (cm-1)
1677
1280
849
615

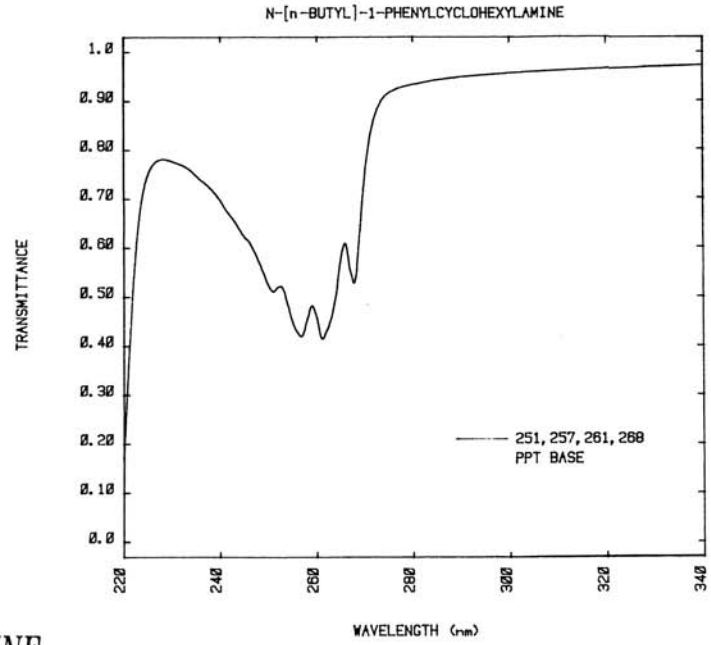
N-(*n*-BUTYL)-1-PHENYLCYCLOHEXYLAMINE

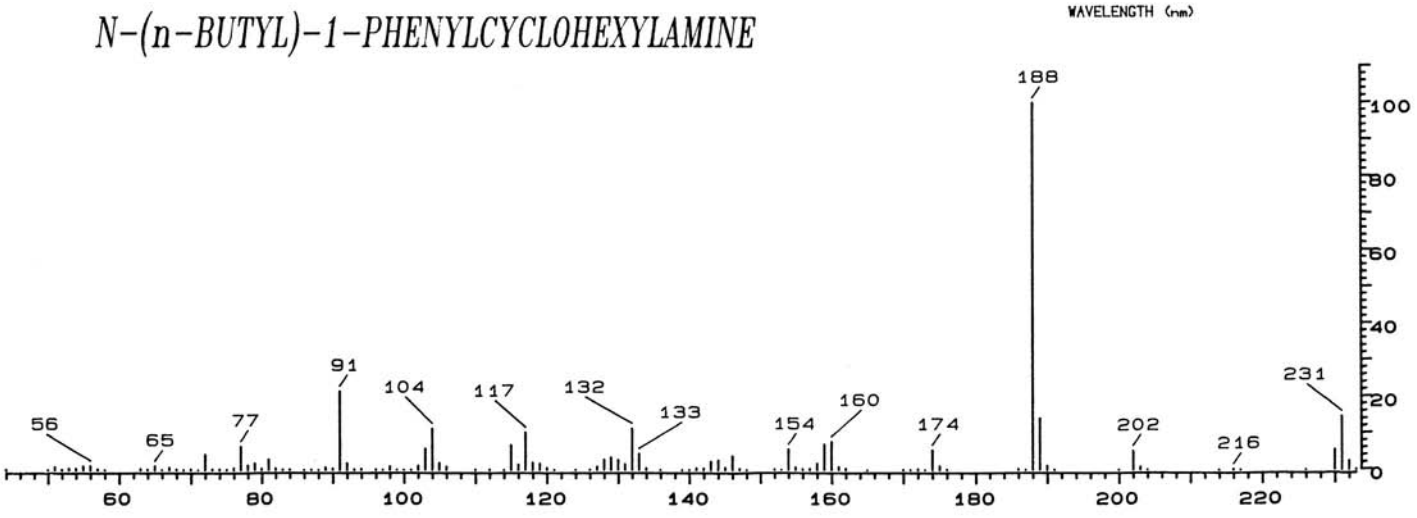
$C_{16}H_{25}N$

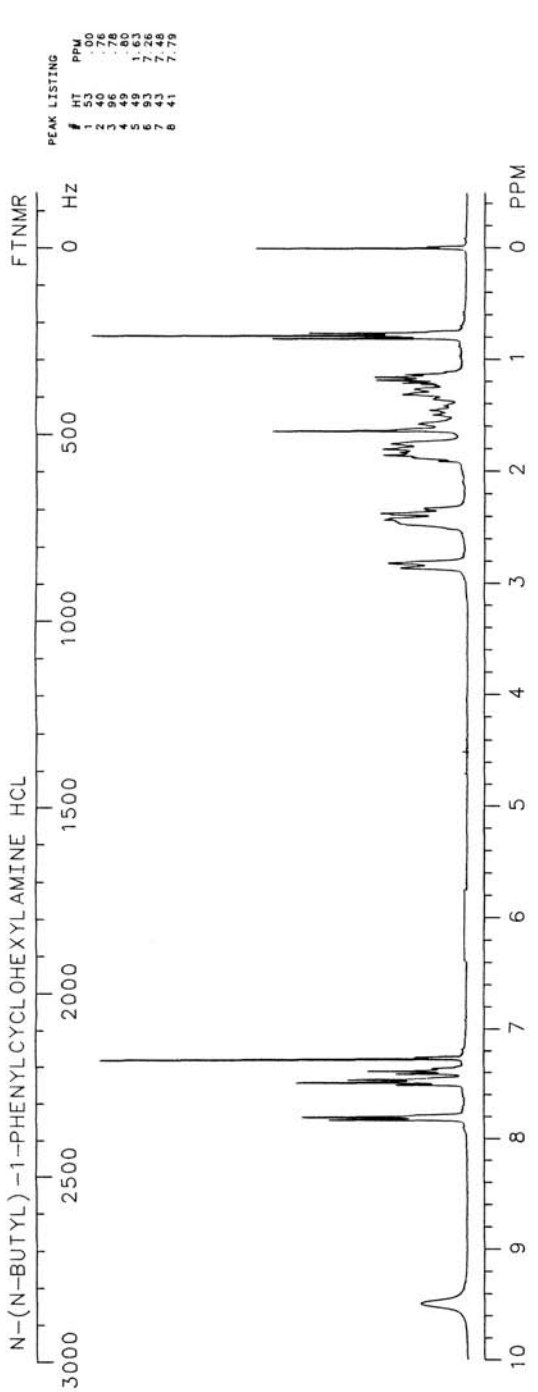
Molecular weight: 231.38 (231.20)
Synonyms: N-(n-Butyl)-1-phenylcyclohexanamine; N-(n-butyl)-1-phenylcyclohexamine
Trade names:

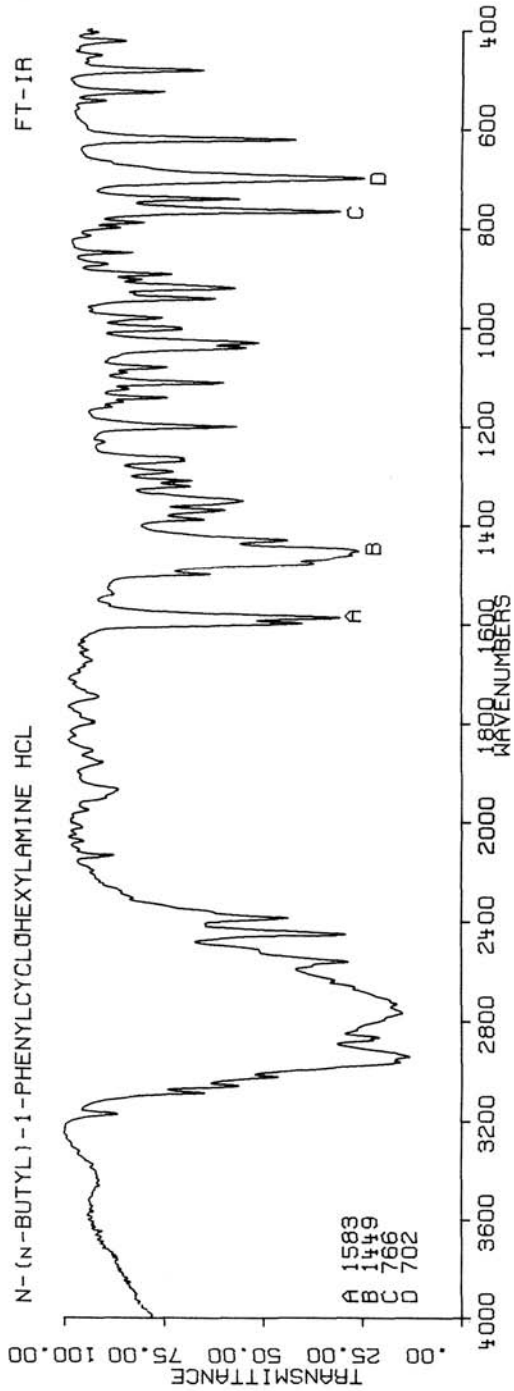
Use:
HPLC: Si-10; 5A:95B; 5.0
GC: 1756; 200°C








N-(N-BUTYL)-1-PHENYLCYCLOHEXYLAMINE HCL
FTNMR
PEAK LISTING
HT PPM
1 53 7.00
2 40 7.76
3 96 7.78
4 49 7.80
5 49 7.85
6 93 7.26
7 43 7.48
8 41 7.79
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


N-(N-BUTYL)-1-PHENYLCYCLOHEXYLAMINE HCL
FT-IR
A 1583
B 1449
C 766
D 702
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

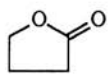
BUTYROLACTONE

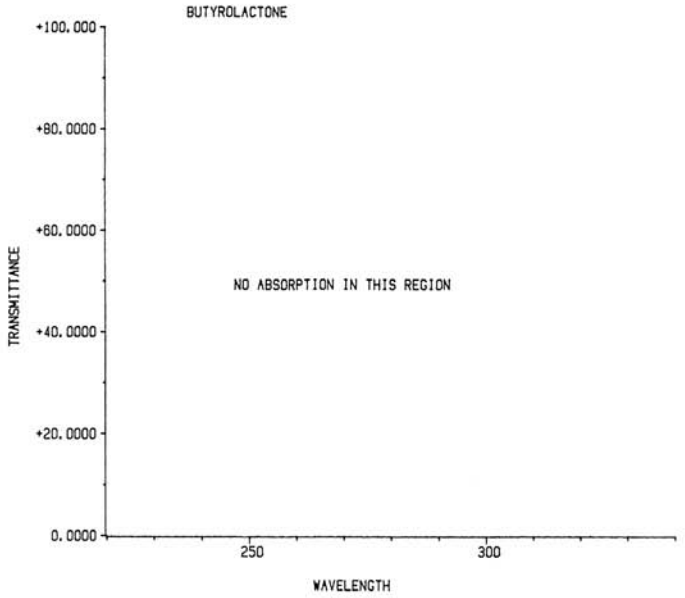
$C_4H_6O_2$

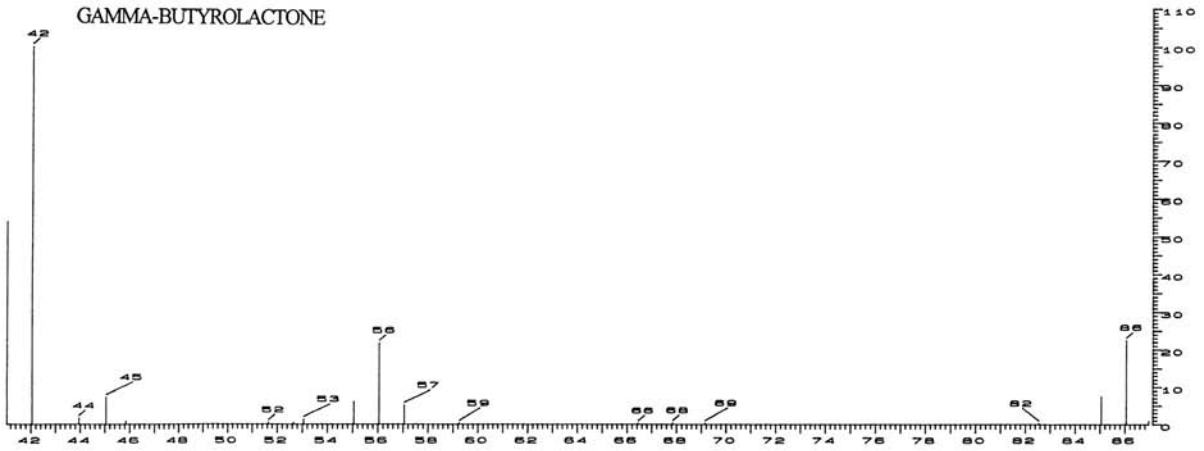
Molecular Weight: 86.09 (86.04)

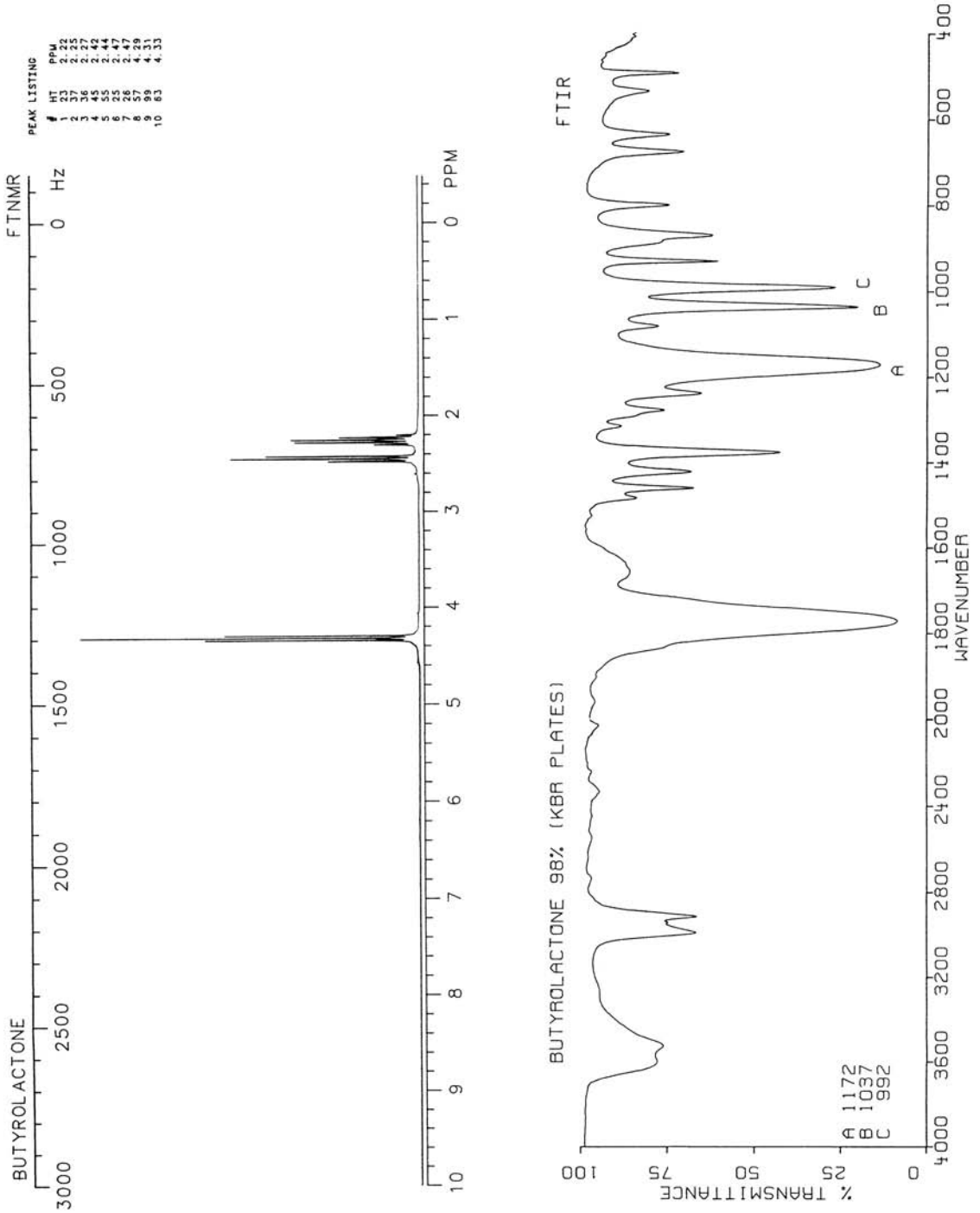
Synonyms: Dihydro-2(3H)-furanone; 1,2-butanolide; 1,4-butanolide; 3-hydroxybutyric acie lactone; γ-hydroxybutyrolactone; γ-hydoxybutyric acid lactone
Trade Names:
Use: Synthesis

HPLC:
GC: 992; 80°








FTNMR
BUTYROLACTONE
PEAK LISTING
HT PPM
1 23 2.22
2 37 2.25
3 36 2.27
4 45 2.42
5 55 2.44
6 55 2.47
7 26 2.47
8 57 4.29
9 99 4.31
10 83 4.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
BUTYROLACTONE 98% (KBR PLATES)
A 1172
B 1037
C 992
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

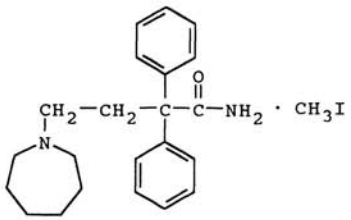
BUZEPIDE METIODIDE

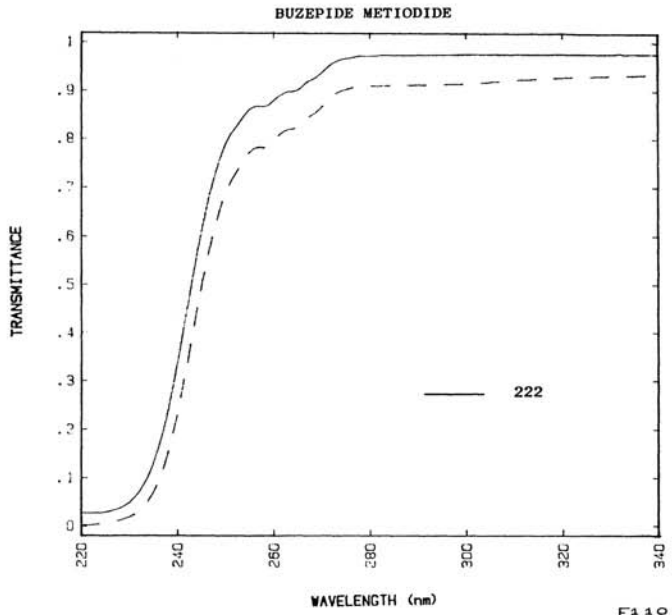
$C_{23}H_{31}IN_2O$

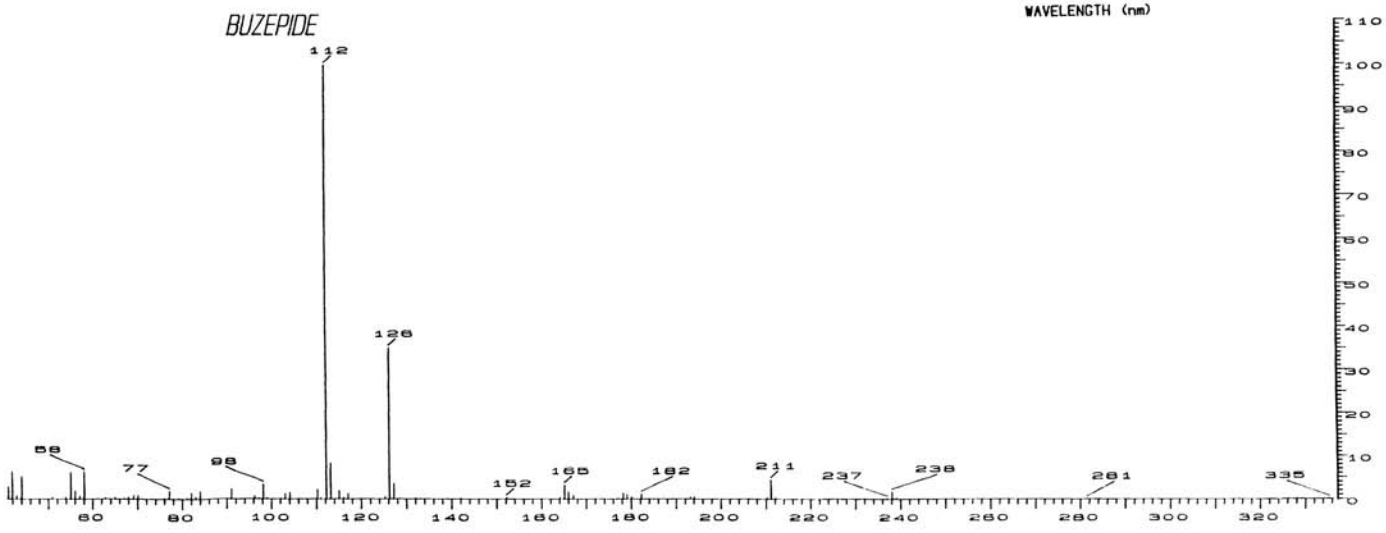
Molecular weight: 478.42 (478.14)

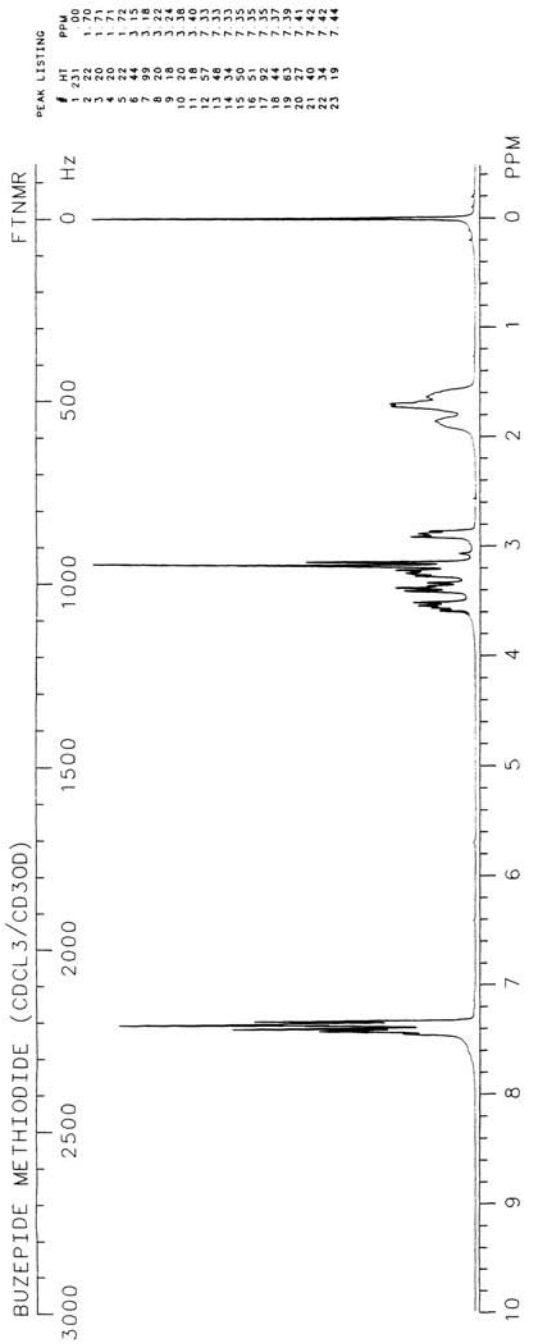
Synonyms: Hexahydro- α, α -diphenyl-1H-azepine-1-butanamide; metazepium iodide
Trade names: Spactin

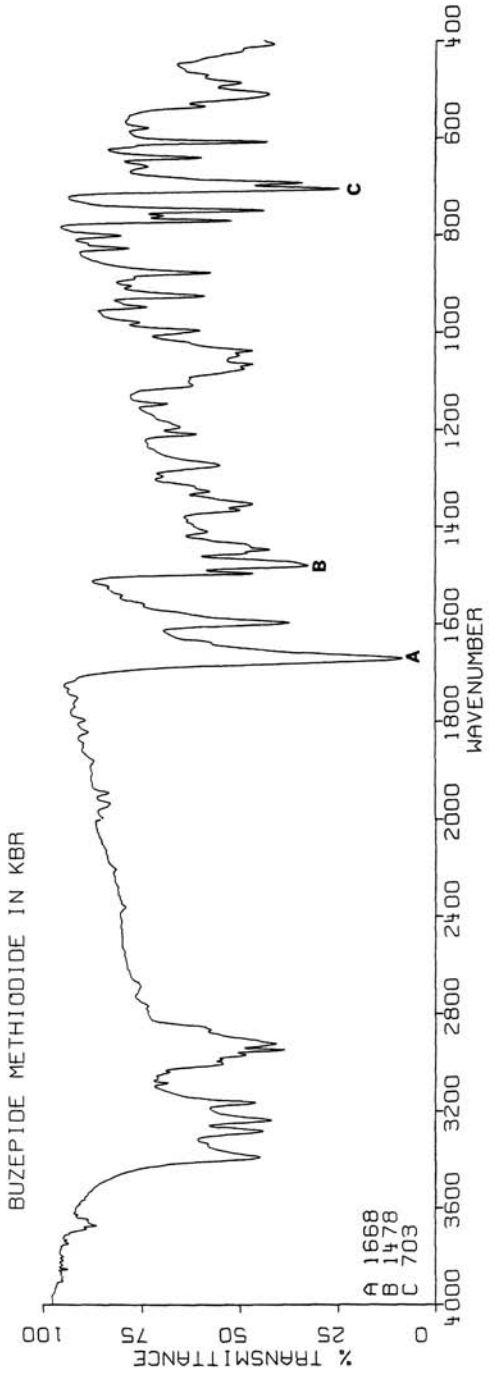
Use: Anticholinergic
HPLC: 70A:30B; 3.4
GC:








BUZEPIDE METHIODIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 231 00
2 22 1.70
3 20 1.71
4 20 1.71
5 22 1.72
6 44 3.15
7 99 3.18
8 20 3.22
9 18 3.24
10 20 3.38
11 16 3.40
12 57 7.33
13 46 7.33
14 34 7.35
15 50 7.35
16 51 7.35
17 92 7.35
18 44 7.37
19 63 7.39
20 27 7.41
21 40 7.42
22 34 7.42
23 19 7.44
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

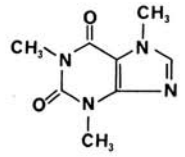

BUZEPIDE METHIODIDE IN KBR
A 1668
B 1478
C 703
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

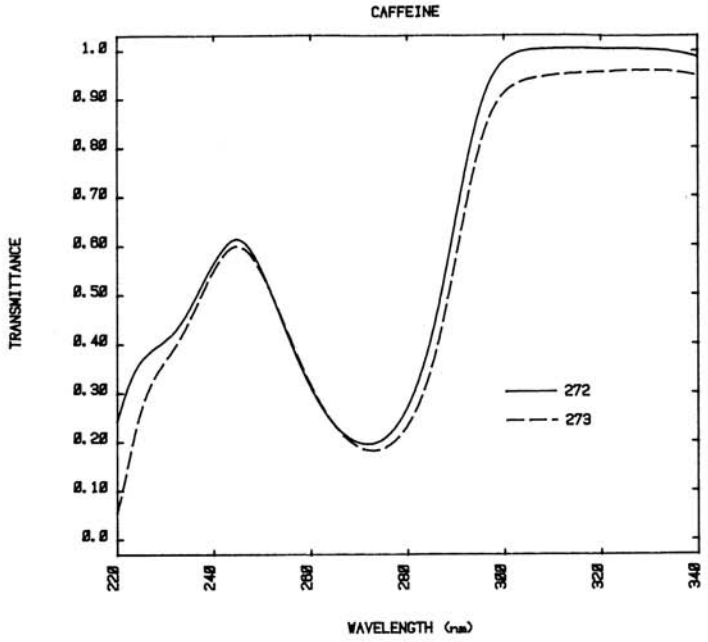
CAFFEINE

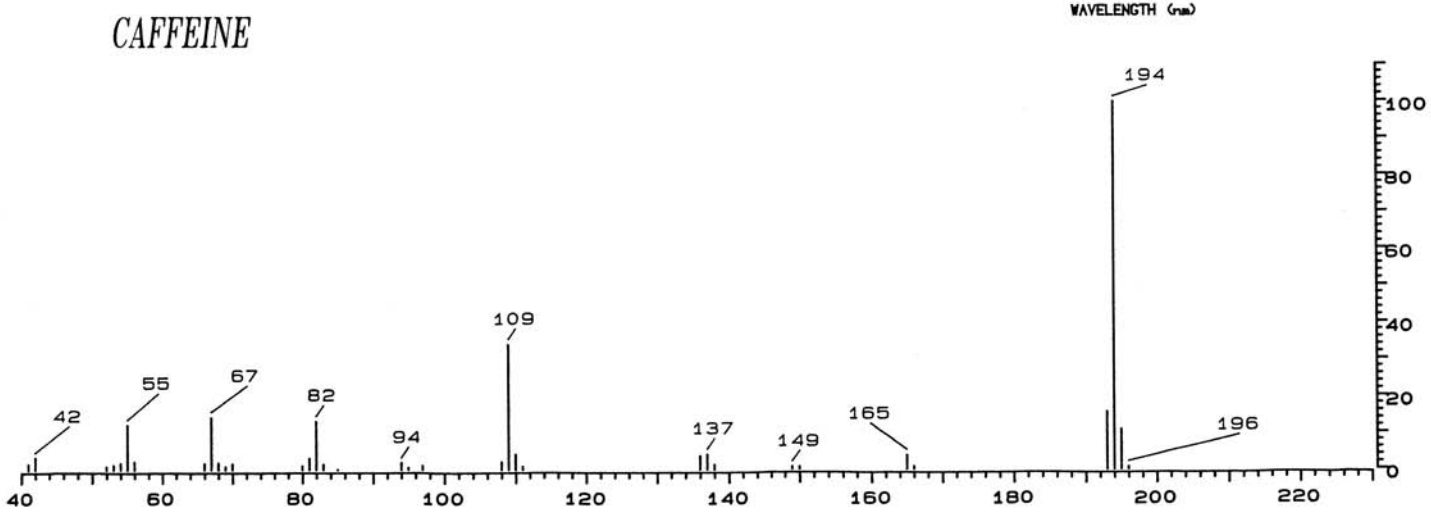
$C_8H_{10}N_4O_2$

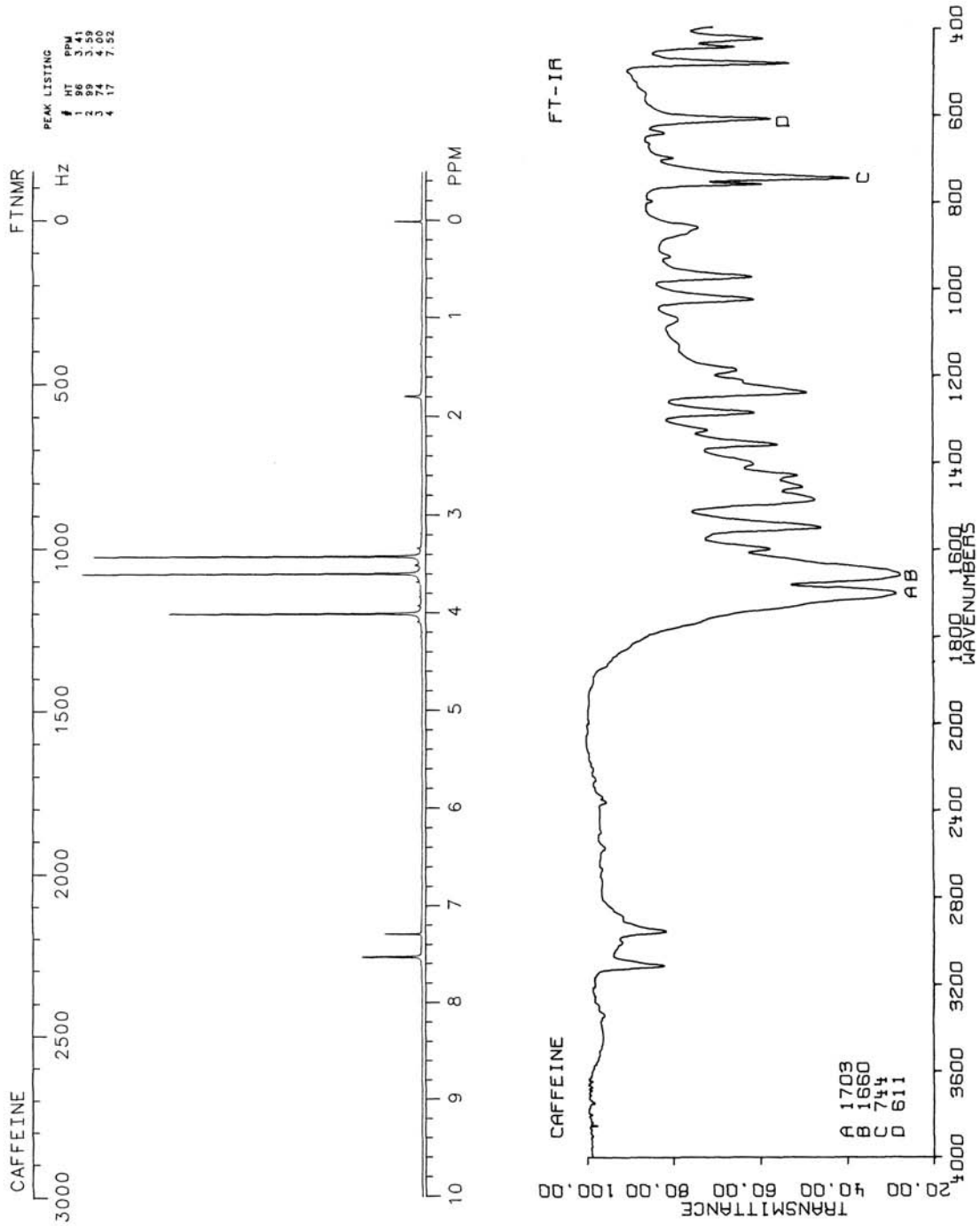
Molecular weight: 194.19 (194.08)
Synonyms: 3,7-Dihydro-1,3,7-trimethyl-1H-purine-2,6-dione; 1,3,7-trimethylxanthine; methyltheobromine
Trade names: No-Doz, Vivarin

Use: Central stimulant
HPLC: Si-10; 2A:98B; 5.2
GC: 1848; 200°C







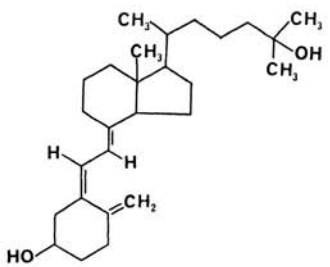

CAFFEINE
FTNMR
PEAK LISTING
HT PPM
1 96 3.41
2 99 3.59
3 74 4.00
4 17 7.52
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CAFFEINE
FT-IR
A 1703
B 1660
C 744
D 611
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

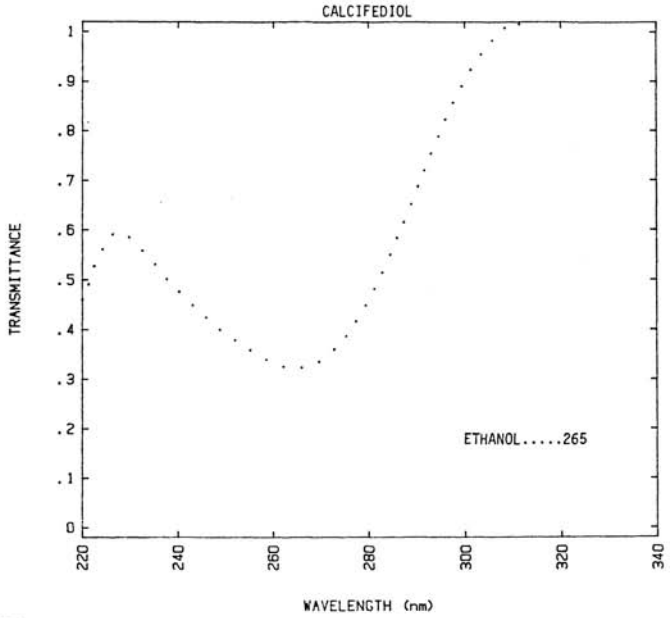
CALCIFEDIOL

$C_{27}H_{44}O_2$

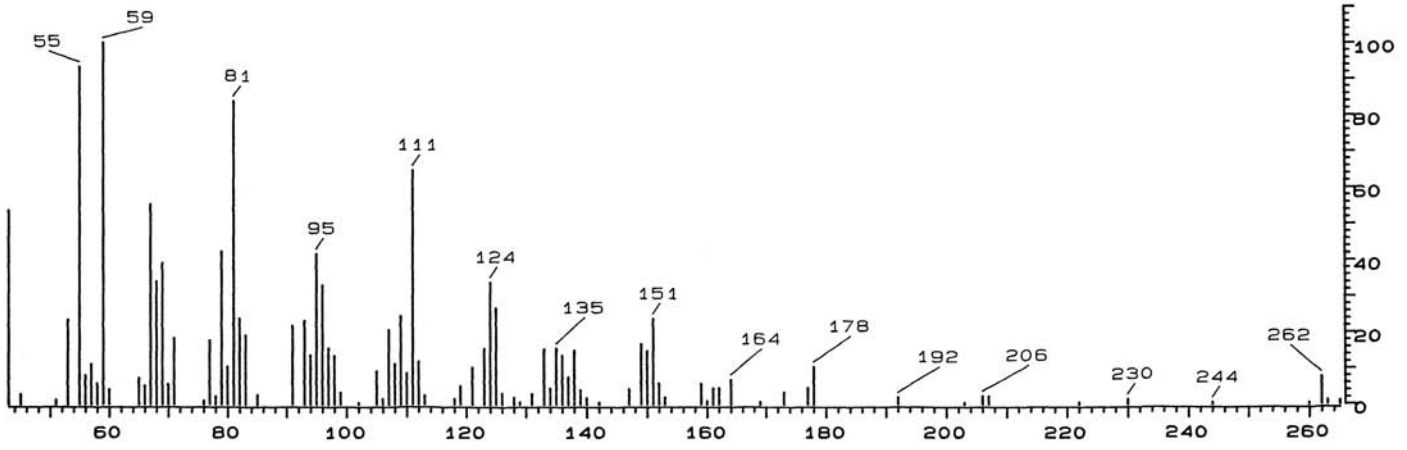
Molecular weight: 400.65 (400.33)
Synonyms: 9,10-Secocholesta-5,7,10(19)-triene-3,25-diol; 25-hydroxyvitamin D_3; 25-hydroxycholecalciferol
Trade names: Calderol, Dedrogyl, Delakmin, Didrogyl

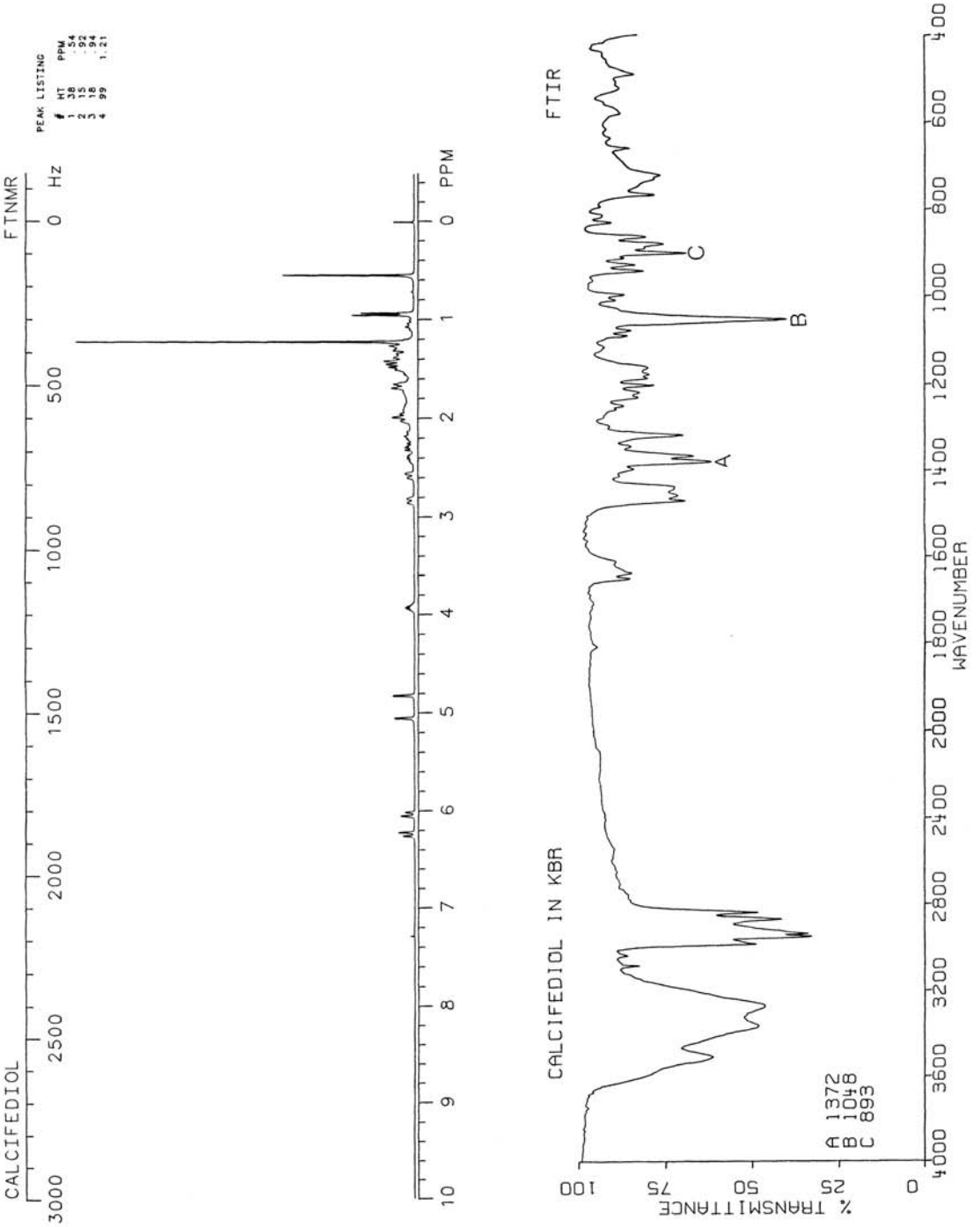
Use: Vitamin
HPLC:
GC:





CALCIFEDIOL--GC DECOMPOSITION PRODUCT



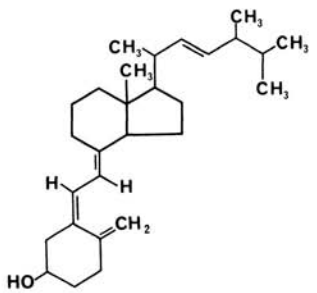

CALCIFEDIOL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 .38 .54
2 .15 .92
3 .18 1.94
4 .99 1.21
10
9
8
7
6
5
4
3
2
1
0 PPM
CALCIFEDIOL IN KBR
FTIR
A 1372
B 1048
C 893
A
B
C
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

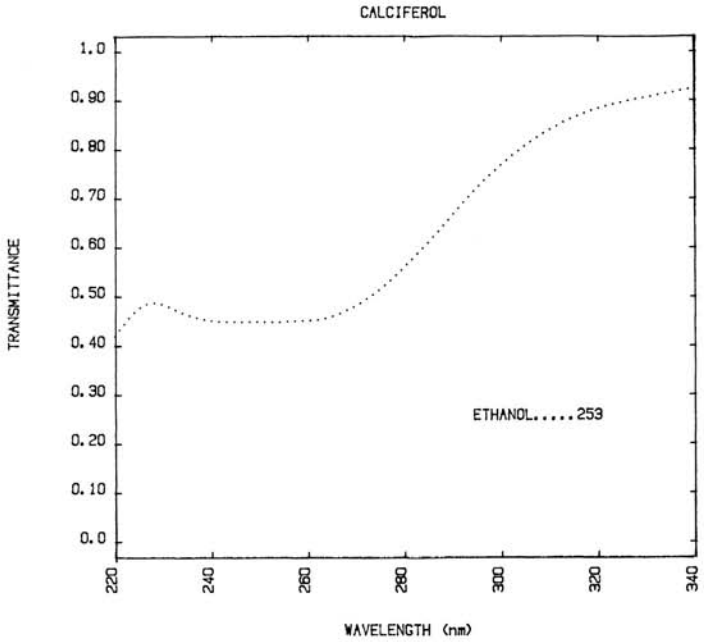
CALCIFEROL

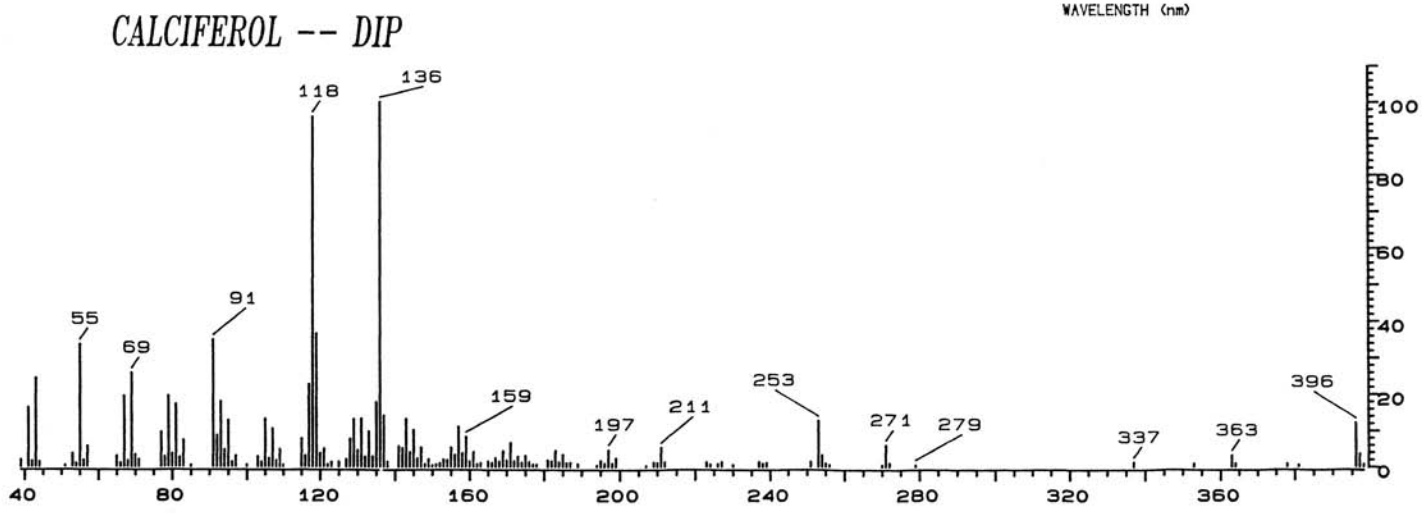
$C_{28}H_{44}O$

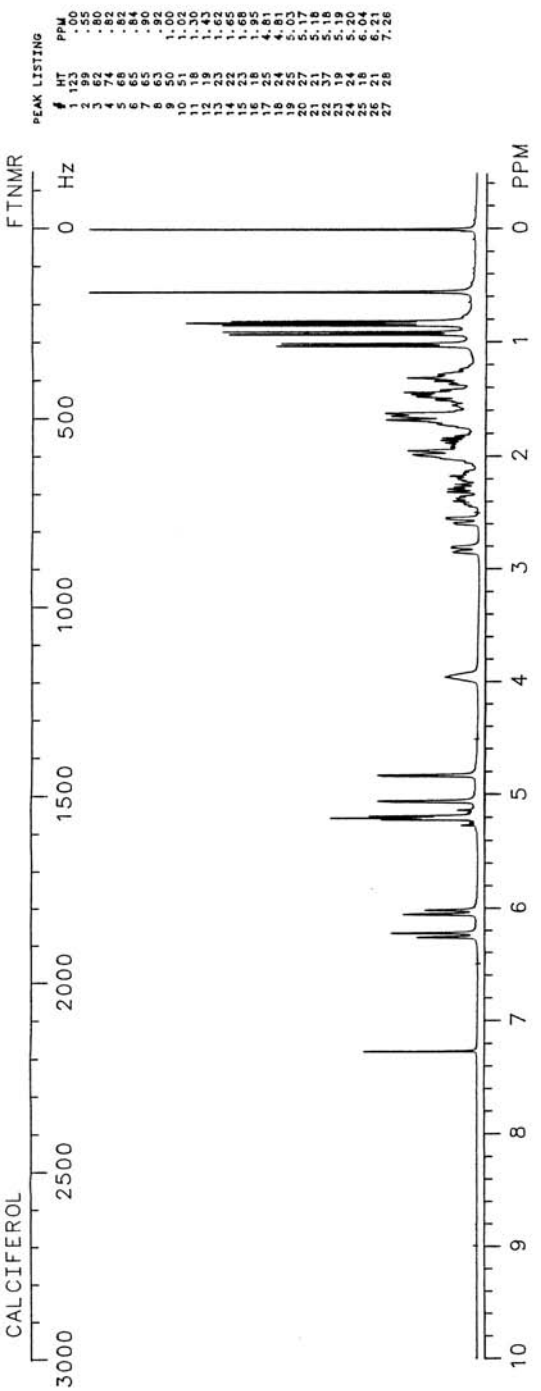
Molecular weight: 396.65 (396.34)
Synonyms: 9,10-Secoergosta-5,7,10(19),22-tetraen-3β-ol;
oleovitamin D_2; viosterol; ergocalciferol, vitamin D_2
Trade names: Calciferol, Calcet, Caltro, Dical-D, Eldercaps, Therabid

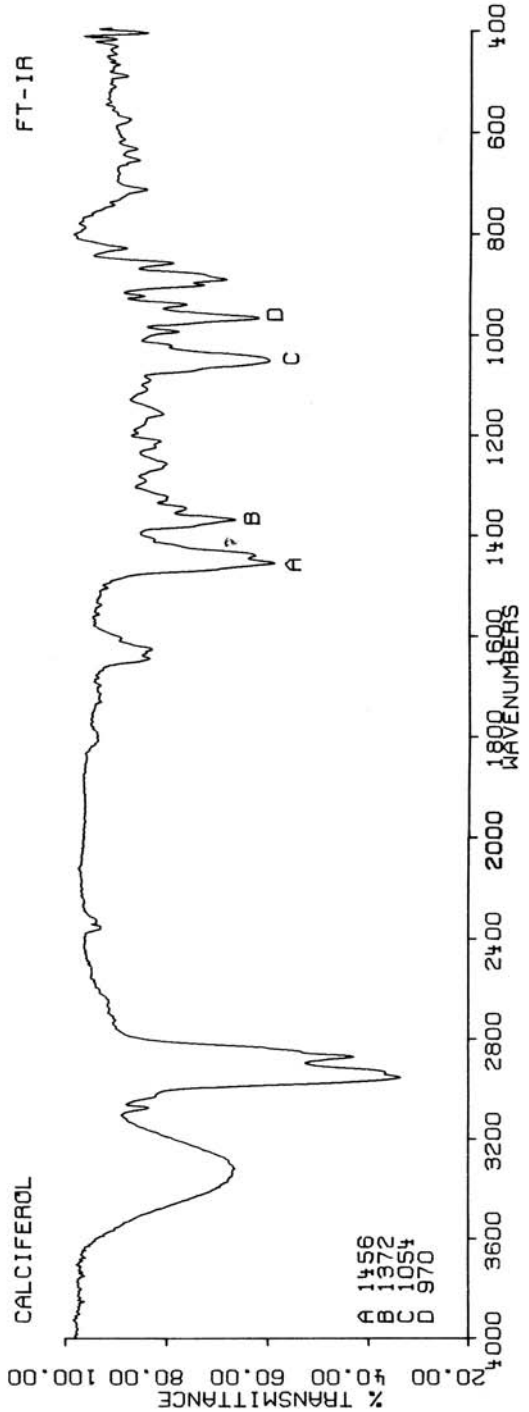
Use: Vitamin
HPLC: Si-10; 100B; 16.3
GC:








CALCIFEROL
FTNMR
PEAK LISTING
HT PPM
1 123 .00
2 89 .55
3 62 .80
4 74 .82
5 68 .82
6 65 .84
7 65 .90
8 63 .92
9 50 1.00
10 51 1.02
11 18 1.30
12 19 1.43
13 23 1.62
14 22 1.65
15 23 1.68
16 18 1.95
17 15 4.81
18 24 4.84
19 25 5.03
20 27 5.17
21 21 5.18
22 37 5.18
23 19 5.19
24 14 5.30
25 16 6.04
26 21 6.21
27 28 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CALCIFEROL
A 1456
B 1372
C 1054
D 970
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

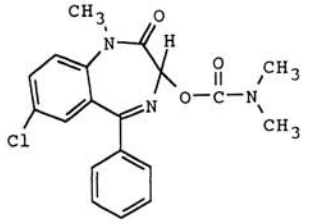
CAMAZEPAM

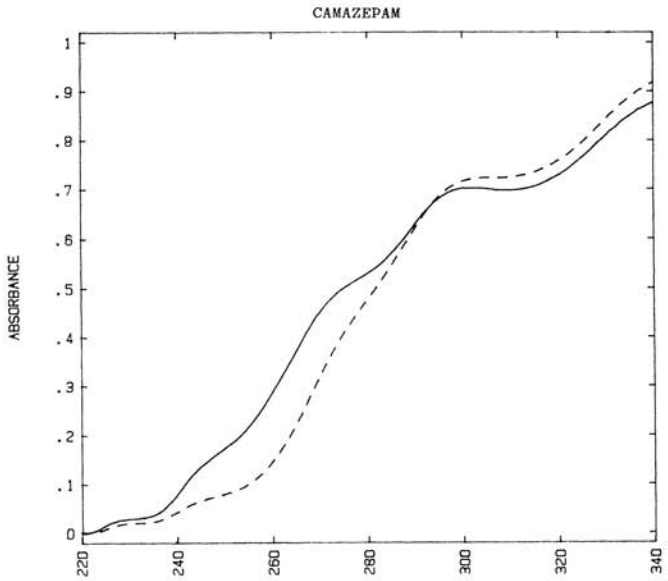
$C_{19}H_{18}ClN_3O_3$

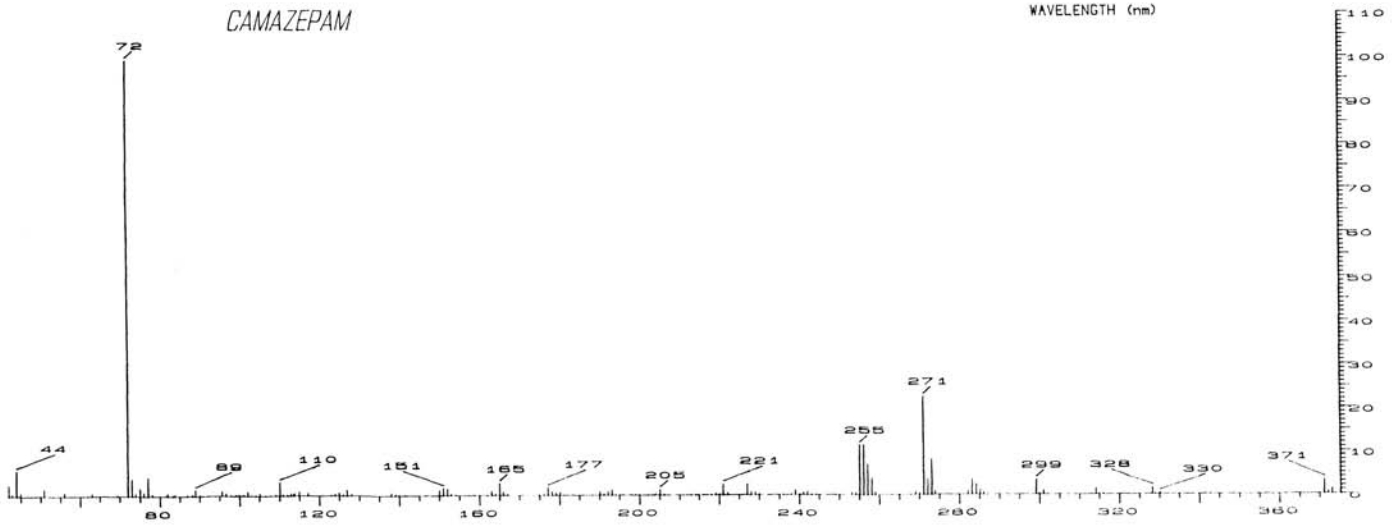
Molecular weight: 371.82 (371.10)

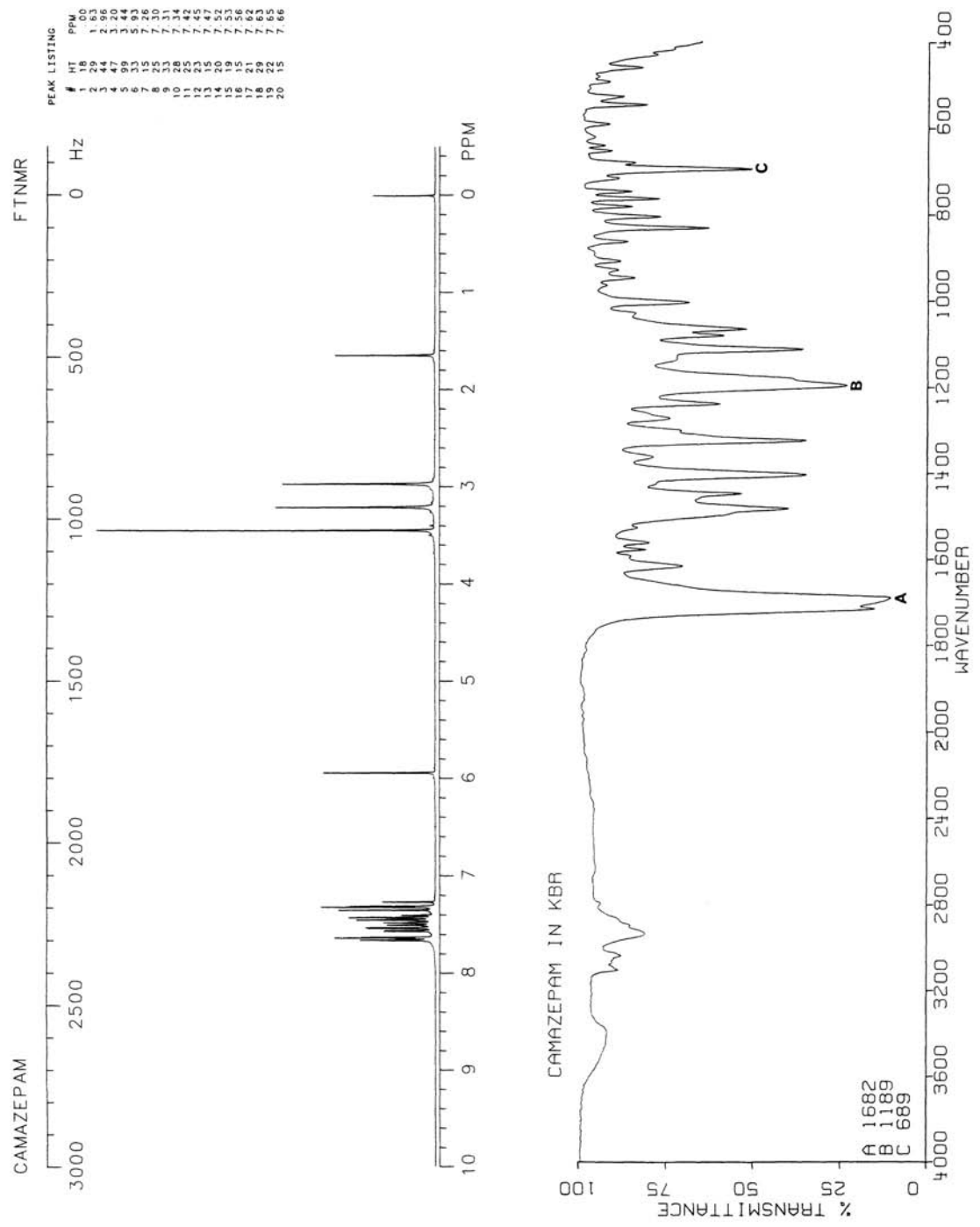
Synonyms: Dimethylcarbamic acid-7-chloro-2,3-diehydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl ester
Trade names: Albego, Limpidon

Use: Tranquilizer
HPLC:
GC: 2968; 280°







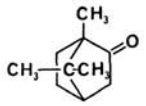

CAMAZEPAM
FTNMR
PEAK LISTING
HT PPM
1 18 1.60
2 29 1.65
3 44 2.96
4 47 3.20
5 99 3.44
6 33 5.93
7 15 7.26
8 25 7.30
9 33 7.31
10 28 7.34
11 25 7.42
12 23 7.45
13 15 7.47
14 20 7.52
15 19 7.55
16 15 7.56
17 21 7.62
18 29 7.63
19 22 7.65
20 15 7.66
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CAMAZEPAM IN KBR
A 1682
B 1189
C 689
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

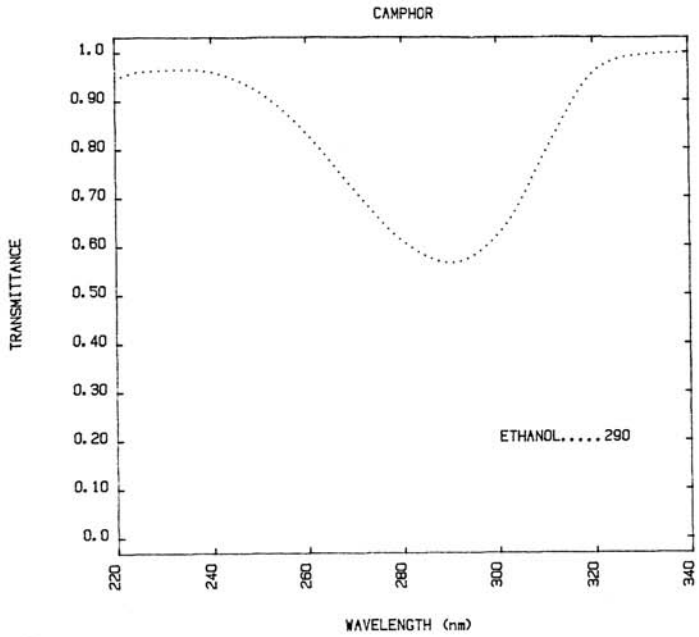
CAMPHOR

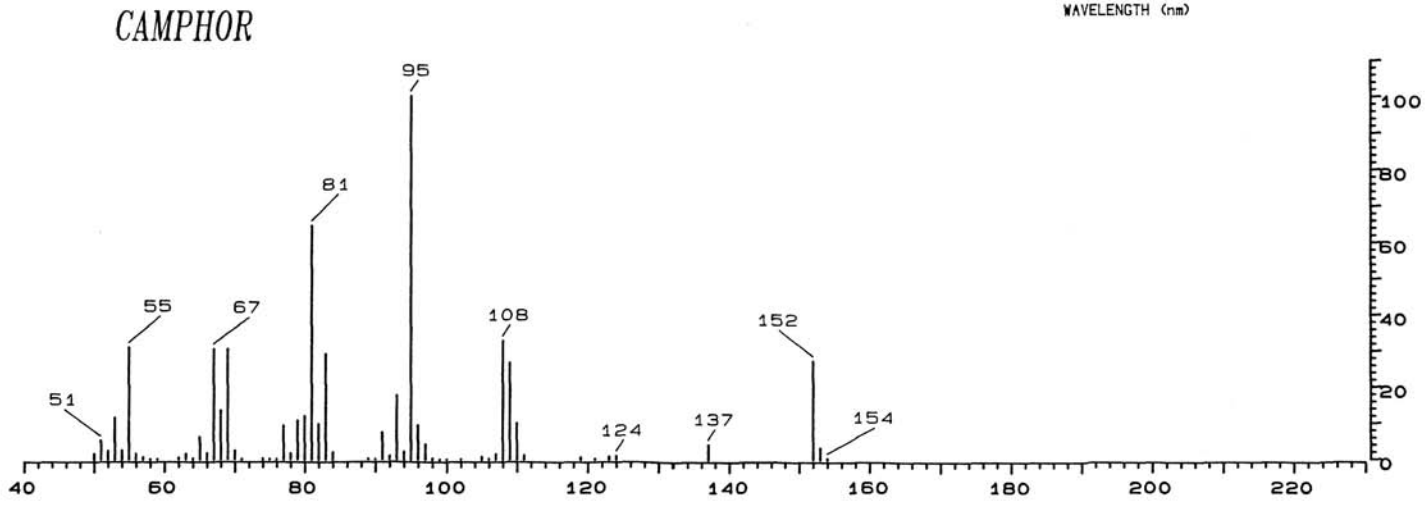
$C_{10}H_{16}O$

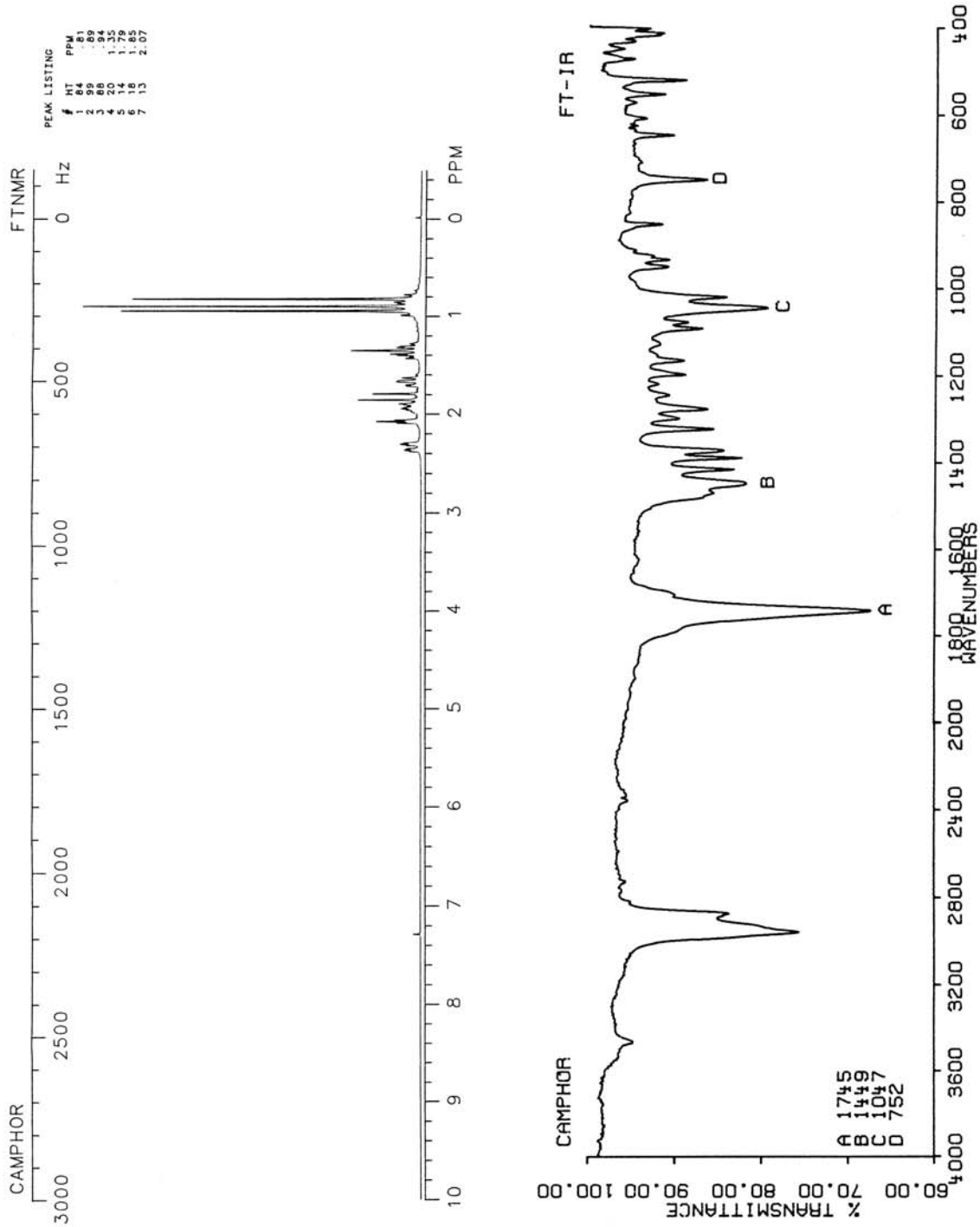
Molecular weight: 152.23 (152.12)
Synonyms: 1,7,7-Trimethylbicylo[2.2.1]heptan-2-one; 2-bornanone; bornan-2-one; 2-camphanone; gum camphor; Japan and Formosa camphor; laurel
Trade names: Panalgesic Liniment, Pazo Hemorrhoid Ointment, Pernomol

Use: Topical anti-infective
HPLC:
GC: 1522; 200°C








CAMPHOR
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 84 .81
2 99 .89
3 88 .94
4 20 1.35
5 14 1.79
6 18 1.85
7 13 2.07
CAMPHOR
FT-IR
A 1745
B 1449
C 1047
D 752
A
B
C
D
% TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

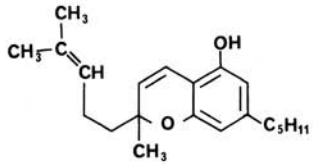
CANNABICHROMENE

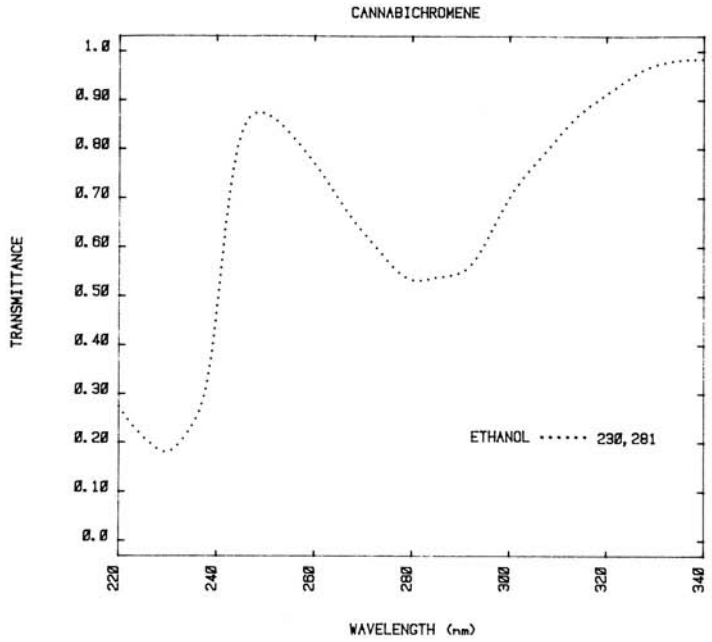
$C_{21}H_{30}O_2$

Molecular weight: 314.47 (314.22)
Synonyms:

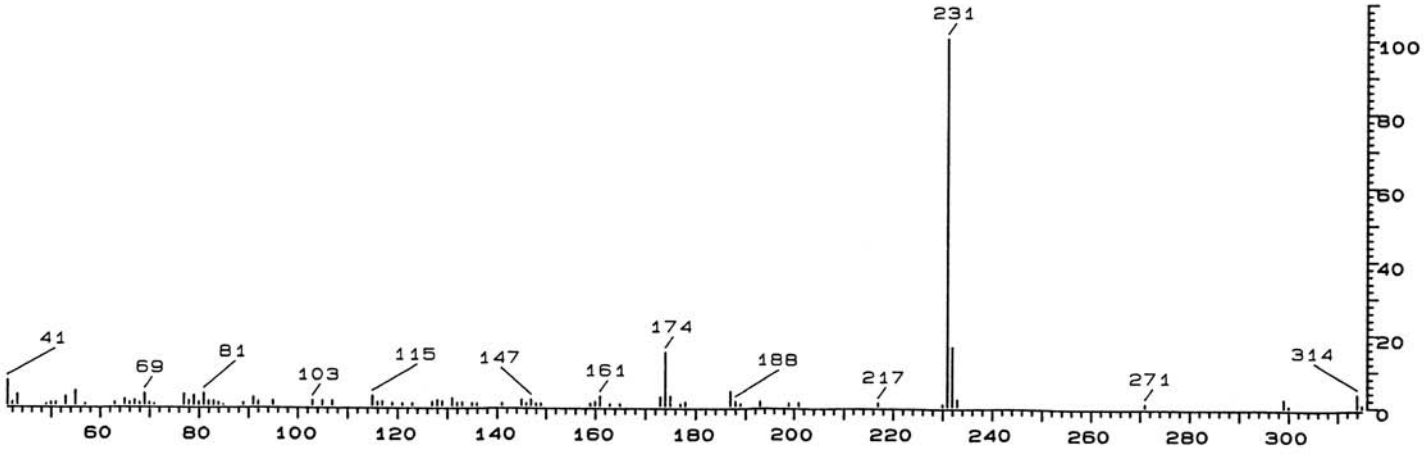
Trade names:

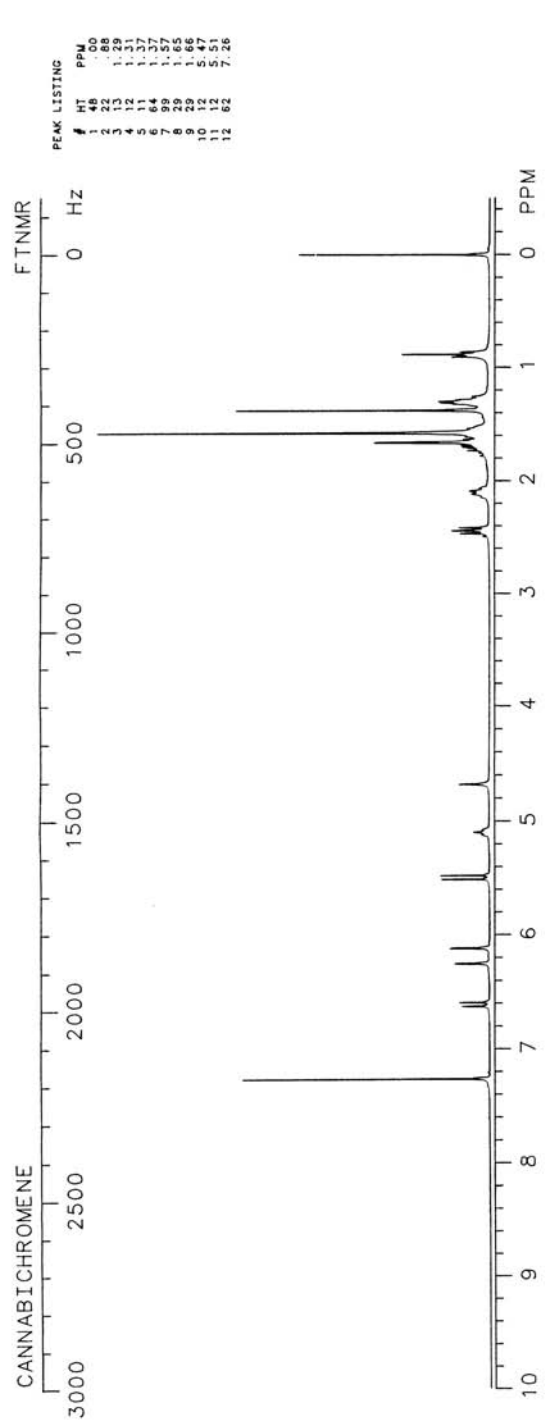
Use:
HPLC: Si-10; 10B:90C; 10.3 or Si-10; 98C:2D; 10.7
GC: 2417; 250°C

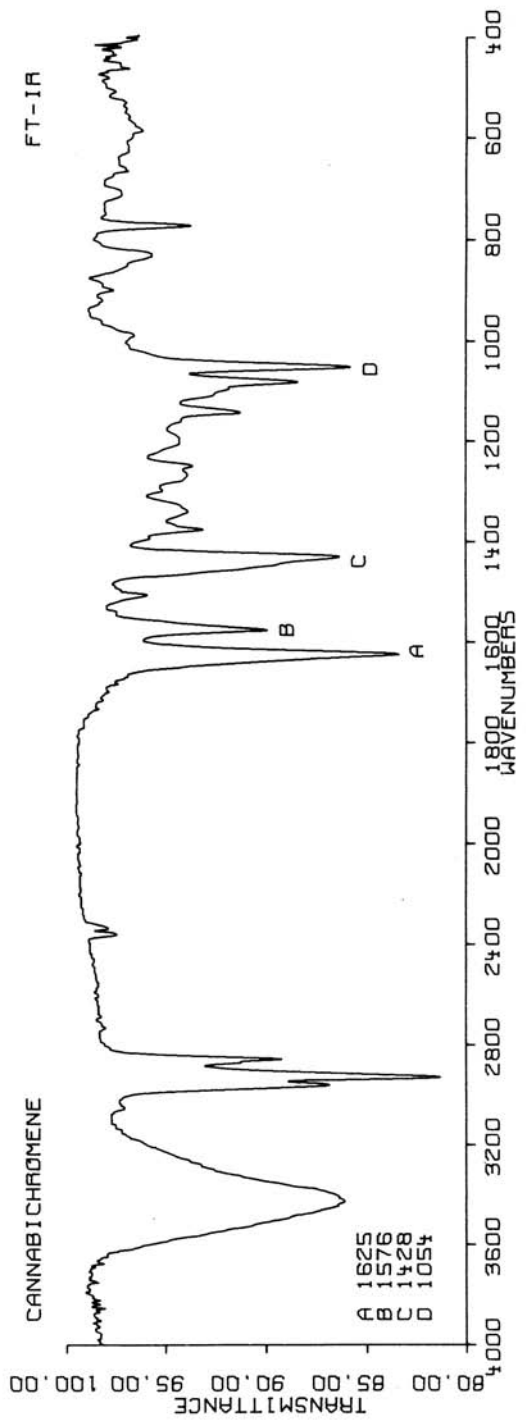




CANNABICHROMENE




FTNMR
CANNABICHROMENE
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 46 .00
2 22 .88
3 13 1.29
4 12 1.31
5 11 1.37
6 64 1.37
7 99 1.57
8 99 1.65
9 29 1.66
10 12 5.47
11 12 5.51
12 62 7.26


FT-IR
CANNABICHROMENE
TRANSMITTANCE
100.00
95.00
90.00
85.00
80.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A 1625
B 1576
C 1428
D 1054
A
B
C
D

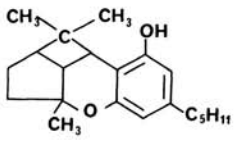
CANNABICYCLOL

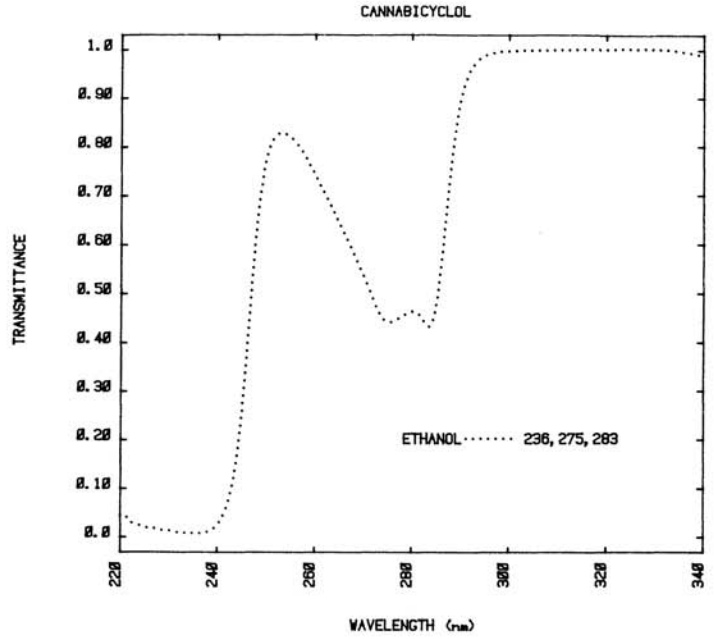
$C_{21}H_{30}O_2$

Molecular weight: 314.47 (314.22)
Synonyms:

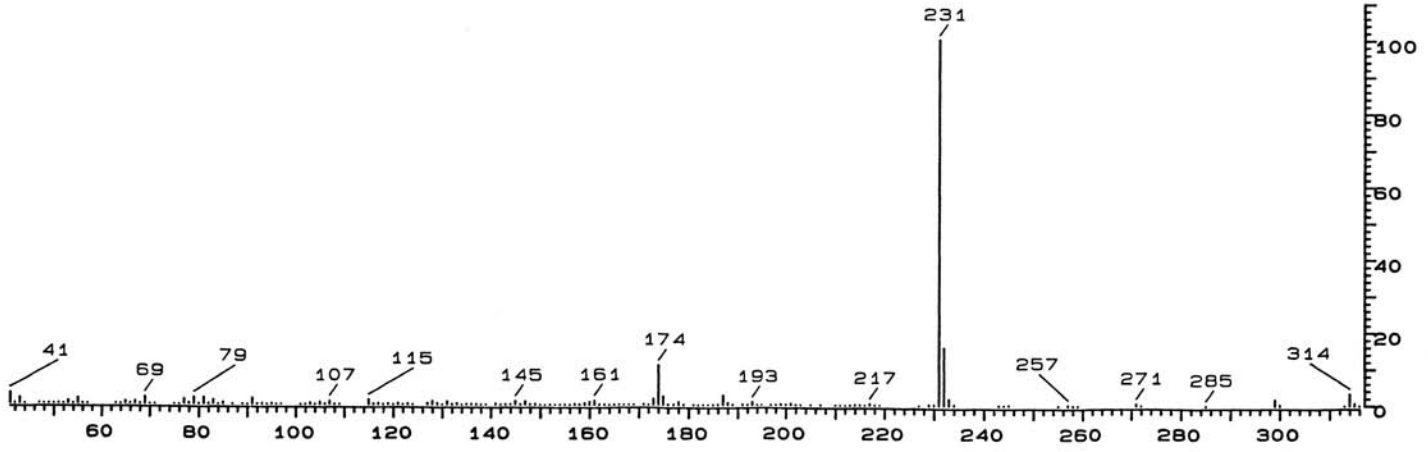
Trade names:

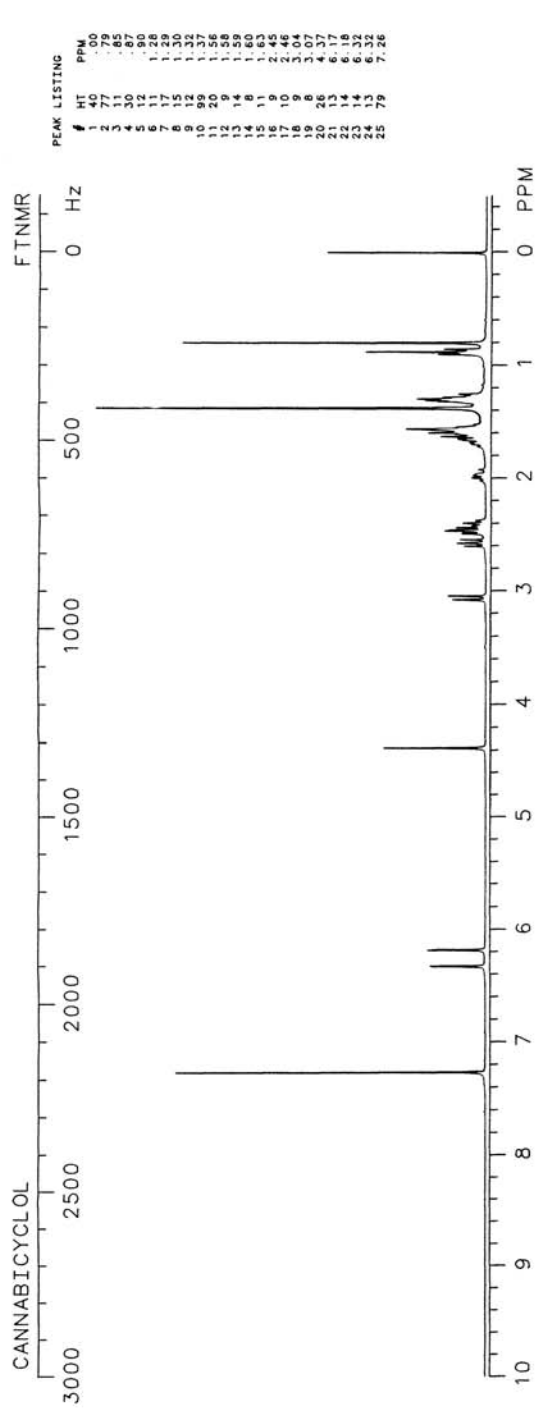
Use:
HPLC: Si-10; 10B:90C; 5.6
GC: 2379; 250°C

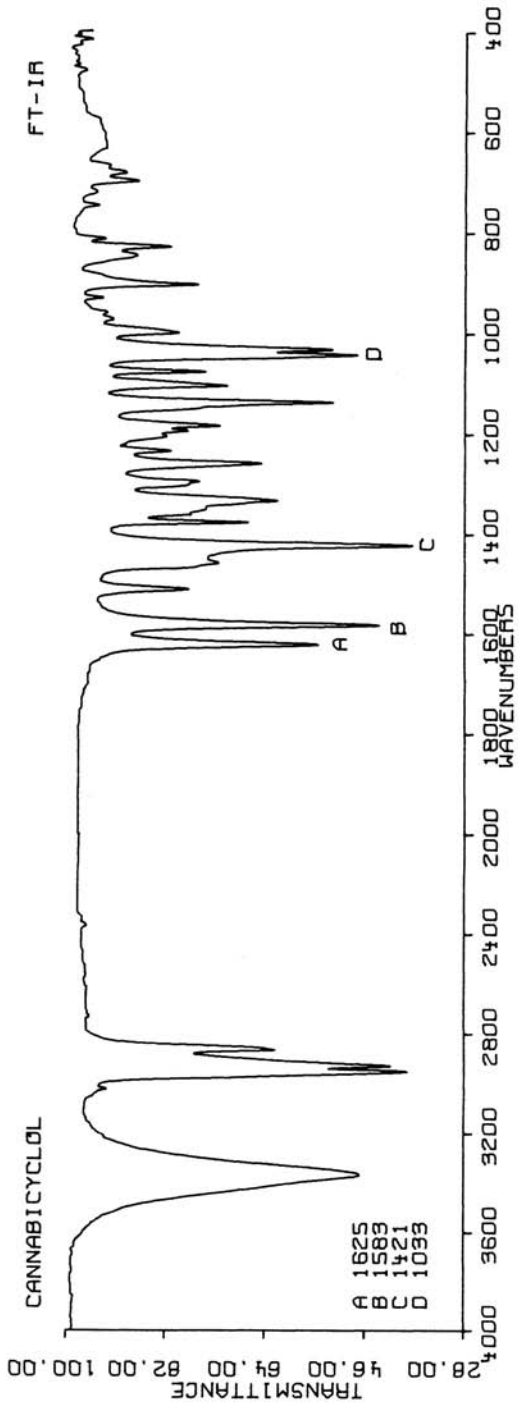




CANNABICYCLOL




CANNABICYCLOL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 40 .00
2 77 .79
3 11 .85
4 30 .87
5 12 .90
6 11 1.28
7 17 1.29
8 15 1.30
9 12 1.33
10 99 1.56
11 20 1.57
12 9 1.58
13 14 1.59
14 8 1.60
15 11 1.65
16 9 2.45
17 10 2.46
18 9 3.04
19 8 3.07
20 26 4.37
21 13 6.17
22 14 6.18
23 14 6.30
24 13 6.32
25 79 7.26

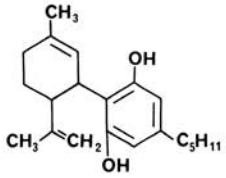

FT-IR
CANNABICYCLOL
A 1625
B 1583
C 1421
D 1033
A
B
C
D
TRANSMITTANCE
28.00
46.00
64.00
82.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

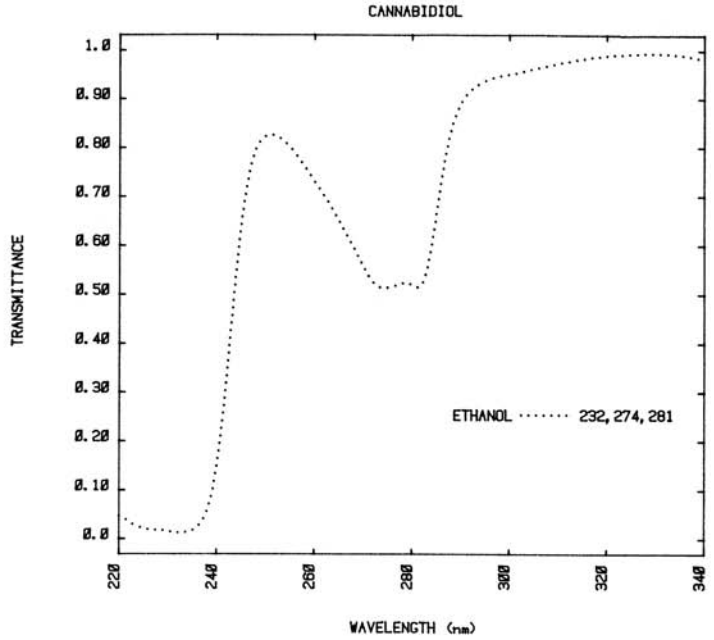
CANNABIDIOL

$C_{21}H_{30}O_2$

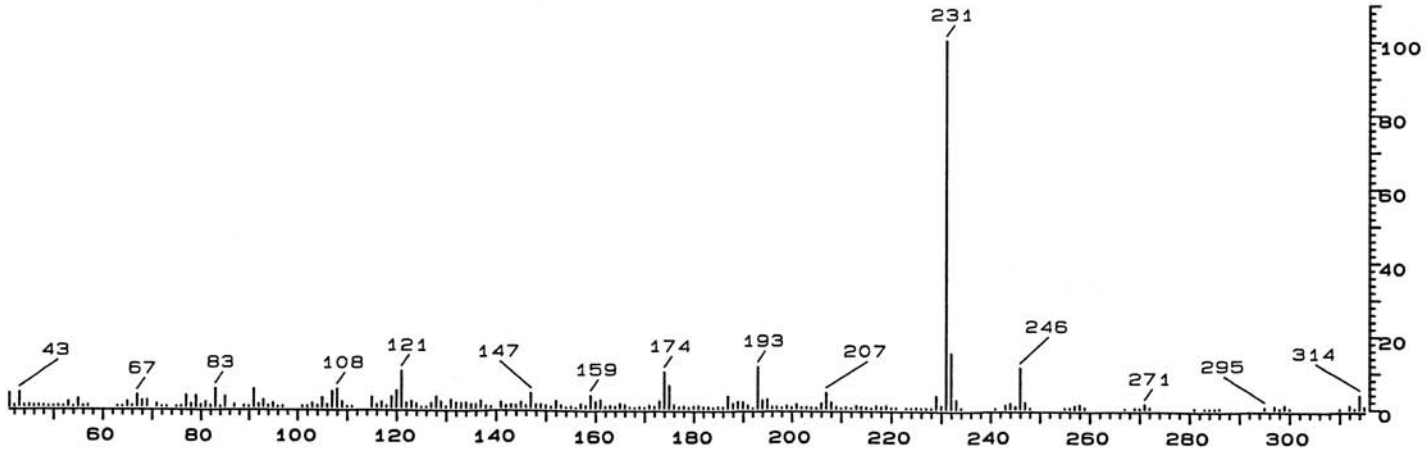
Molecular weight: 314.47 (314.22)
Synonyms: (1R-trans)-2-[3-Methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-5-penyl-1,3-benzenediol; CBD
Trade names:

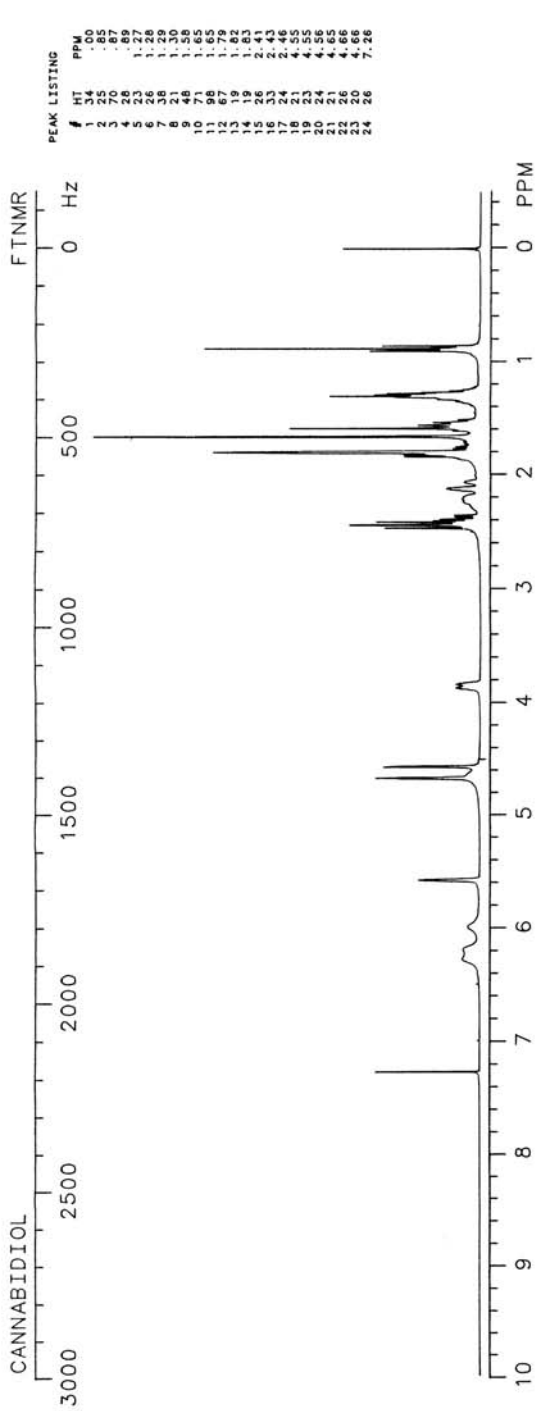
Use:
HPLC: Si-10; 10B:90C; 9.2 or Si-10; 98C:2D; 9.5
GC: 2419j; 250°C

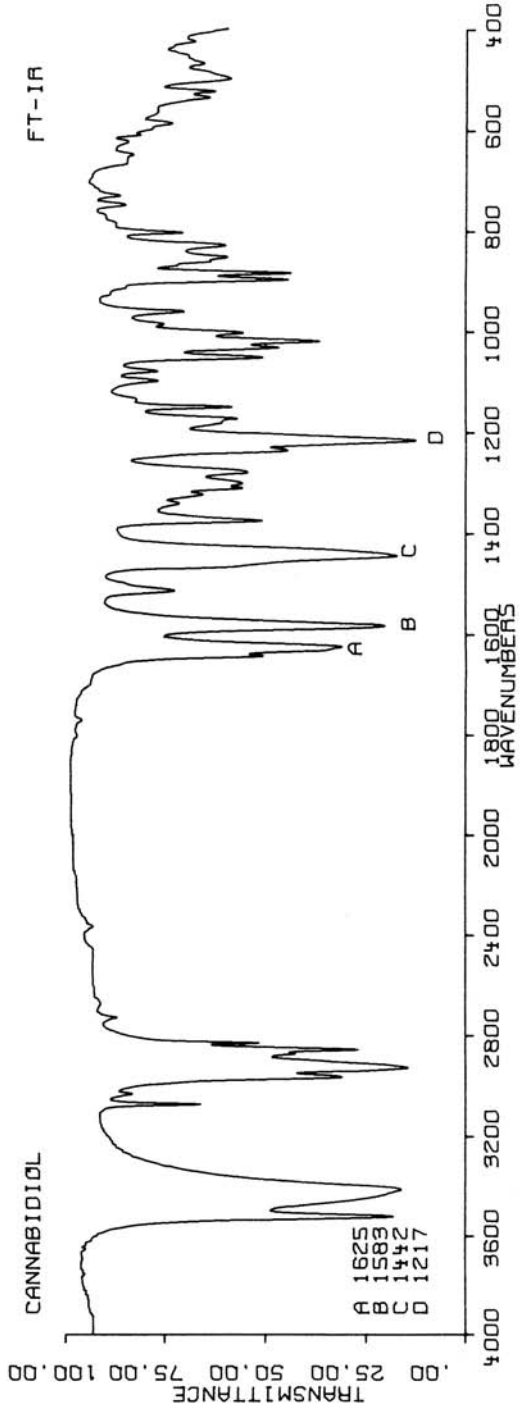




CANNABIDIOL




CANNABIDIOL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 34 .00
2 25 .85
3 70 .87
4 28 .89
5 23 1.27
6 36 1.28
7 21 1.29
8 21 1.30
9 48 1.58
10 71 1.65
11 98 1.79
12 67 1.82
13 19 1.83
14 28 2.41
15 33 2.43
16 24 2.46
17 24 4.55
18 21 4.56
19 23 4.65
20 24 4.66
21 21 4.66
22 21 4.66
23 20 4.66
24 26 7.26


CANNABIDIOL
FT-IR
A 1625
B 1583
C 1442
D 1217
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

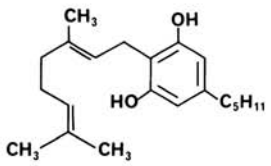
CANNABIGEROL

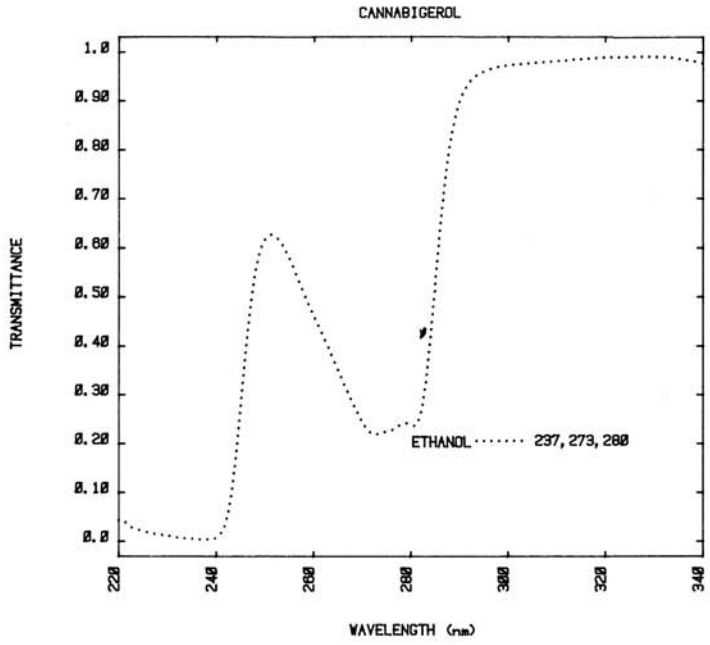
$C_{21}H_{32}O_2$

Molecular weight: 316.48 (316.24)
Synonyms:

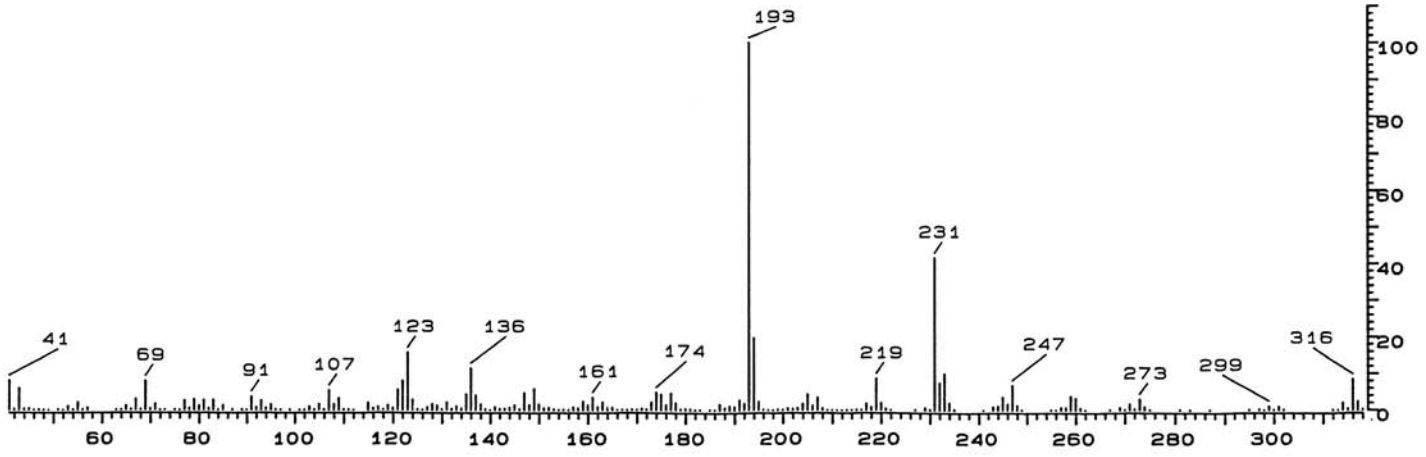
Trade names:

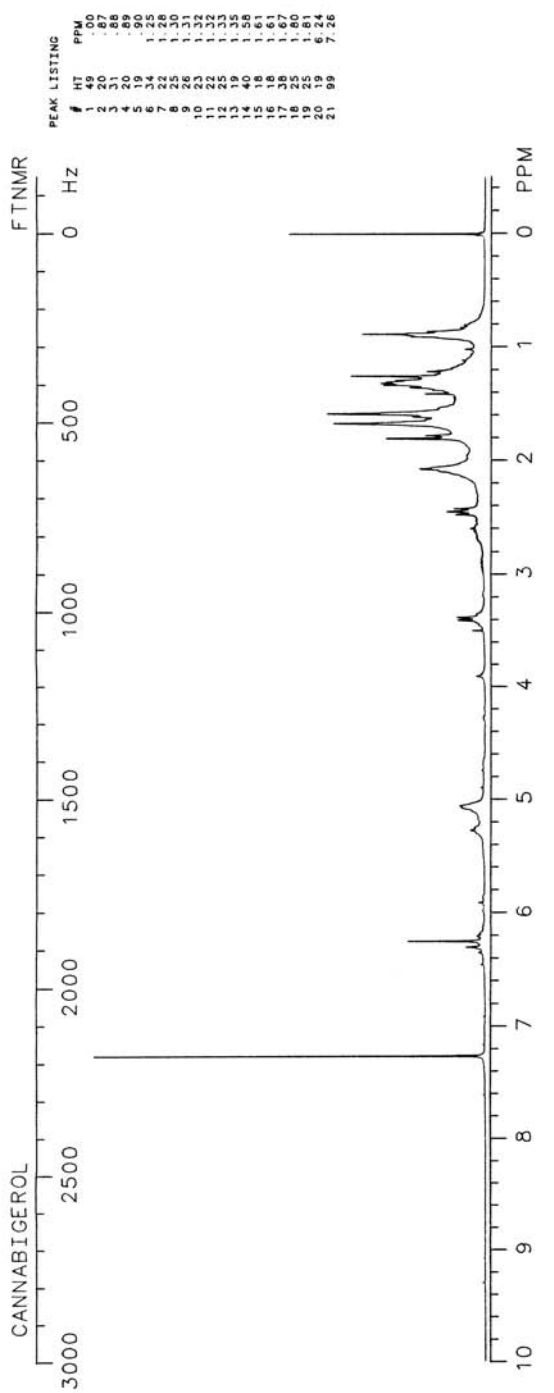
Use:
HPLC: Si-10; 10B:90C; 6.6 or Si-10; 98C:2D; 15.0
GC: 2558; 250°C

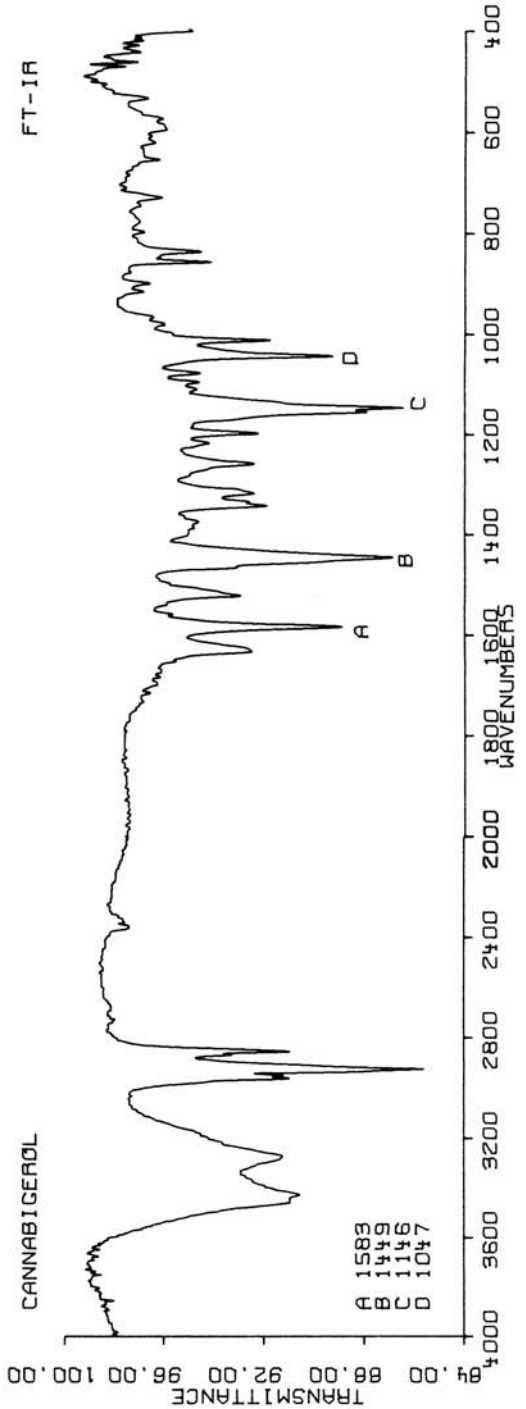




CANNABIGEROL




CANNABIGEROL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 49 .00
2 20 .87
3 31 .88
4 20 .89
5 19 .90
6 34 1.25
7 22 1.26
8 25 1.30
9 26 1.31
10 23 1.32
11 22 1.32
12 25 1.33
13 19 1.35
14 40 1.58
15 18 1.61
16 18 1.61
17 38 1.67
18 25 1.80
19 25 1.81
20 19 6.24
21 99 7.26

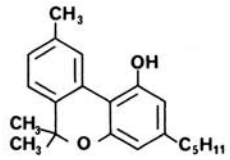

CANNABIGEROL
FT-IR
A 1583
B 1449
C 1146
D 1047
A
B
C
D
TRANSMITTANCE
84.00 88.00 92.00 96.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

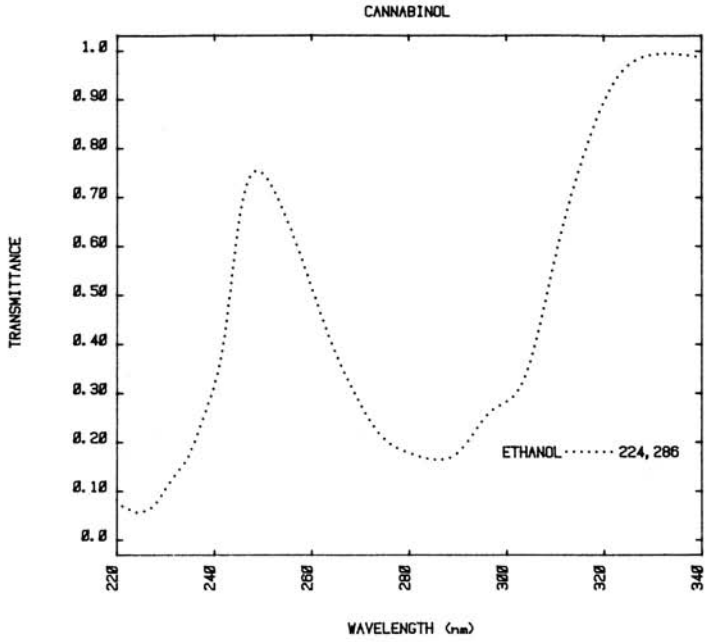
CANNABINOL

$C_{21}H_{26}O_2$

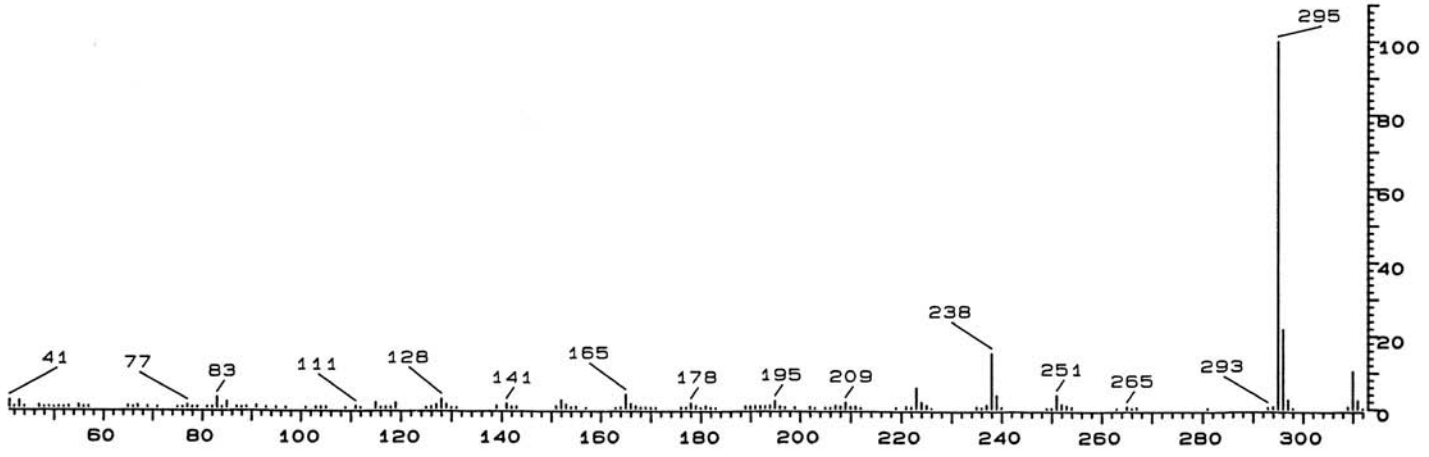
Molecular weight: 310.43 (310.19)
Synonyms: 6,6,9-Trimethyl-3-penyl-6H-dibenzo[b,d]pyran-1-ol;
CBN
Trade names:

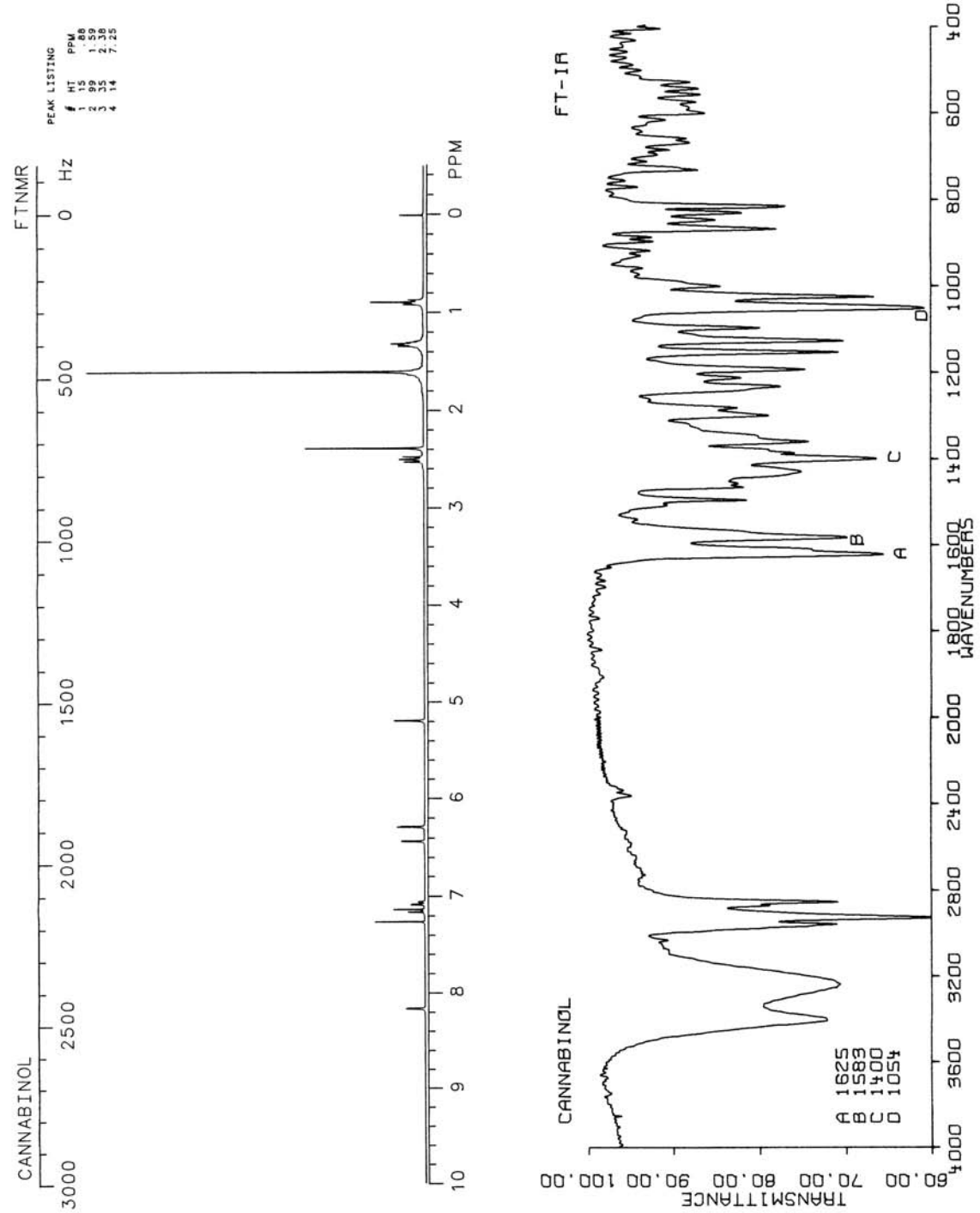
Use:
HPLC: Si-10; 10B:90C; 6.0 or Si-10; 98C:2D; 16.0
GC: 2578; 250°C





CANNABINOL



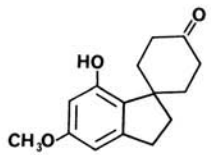

FTNMR
CANNABINOL
PEAK LISTING
HT PPM
1 15 .88
2 99 1.59
3 35 2.38
4 14 7.25
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
CANNABINOL
A 1625
B 1583
C 1400
D 1054
TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

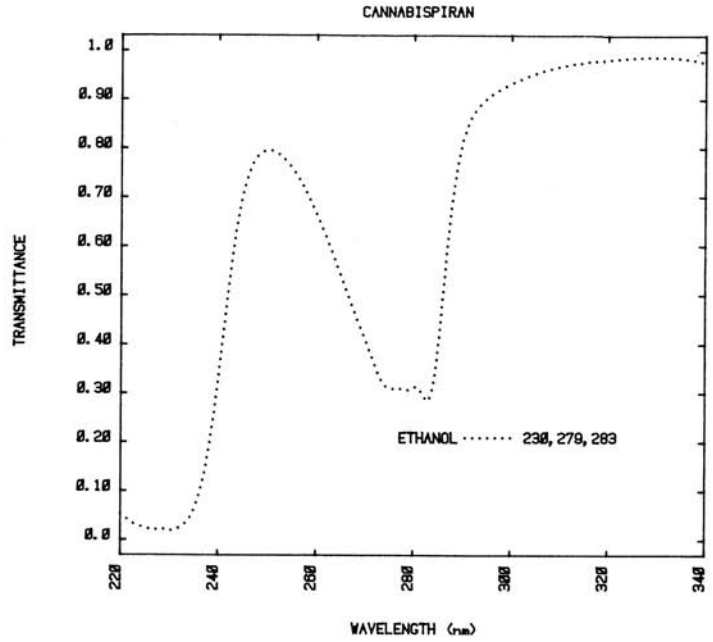
CANNABISPIRAN

$C_{15}H_{18}O_3$

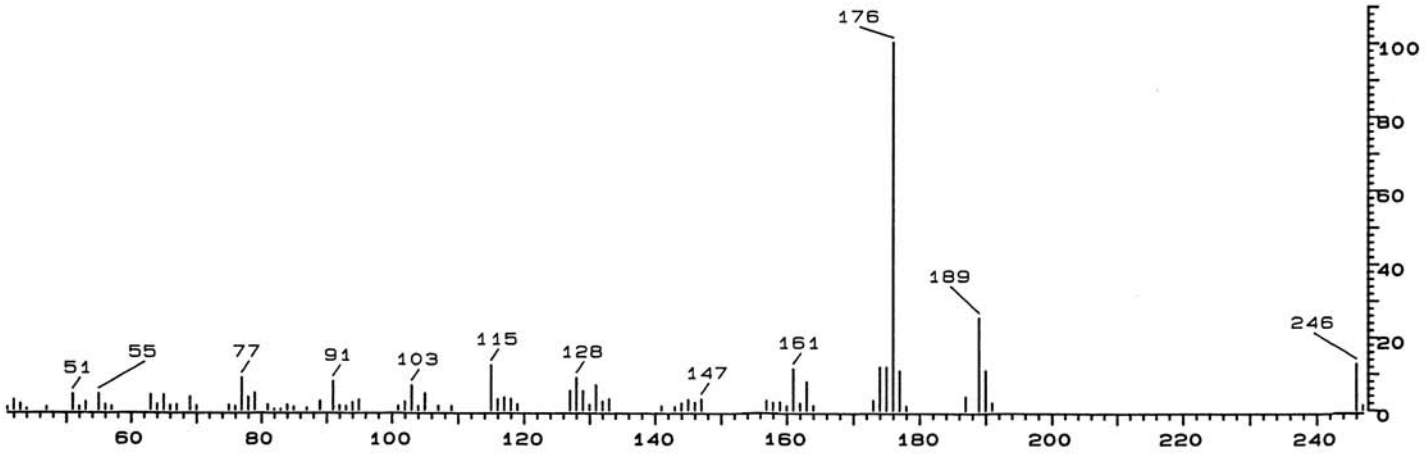
Molecular weight: 246.31 (246.13)
Synonyms: 7'-Hydroxy-5'-methoxyspiro-(cyclohexane-1.1'-indan)-4-one
Trade names:

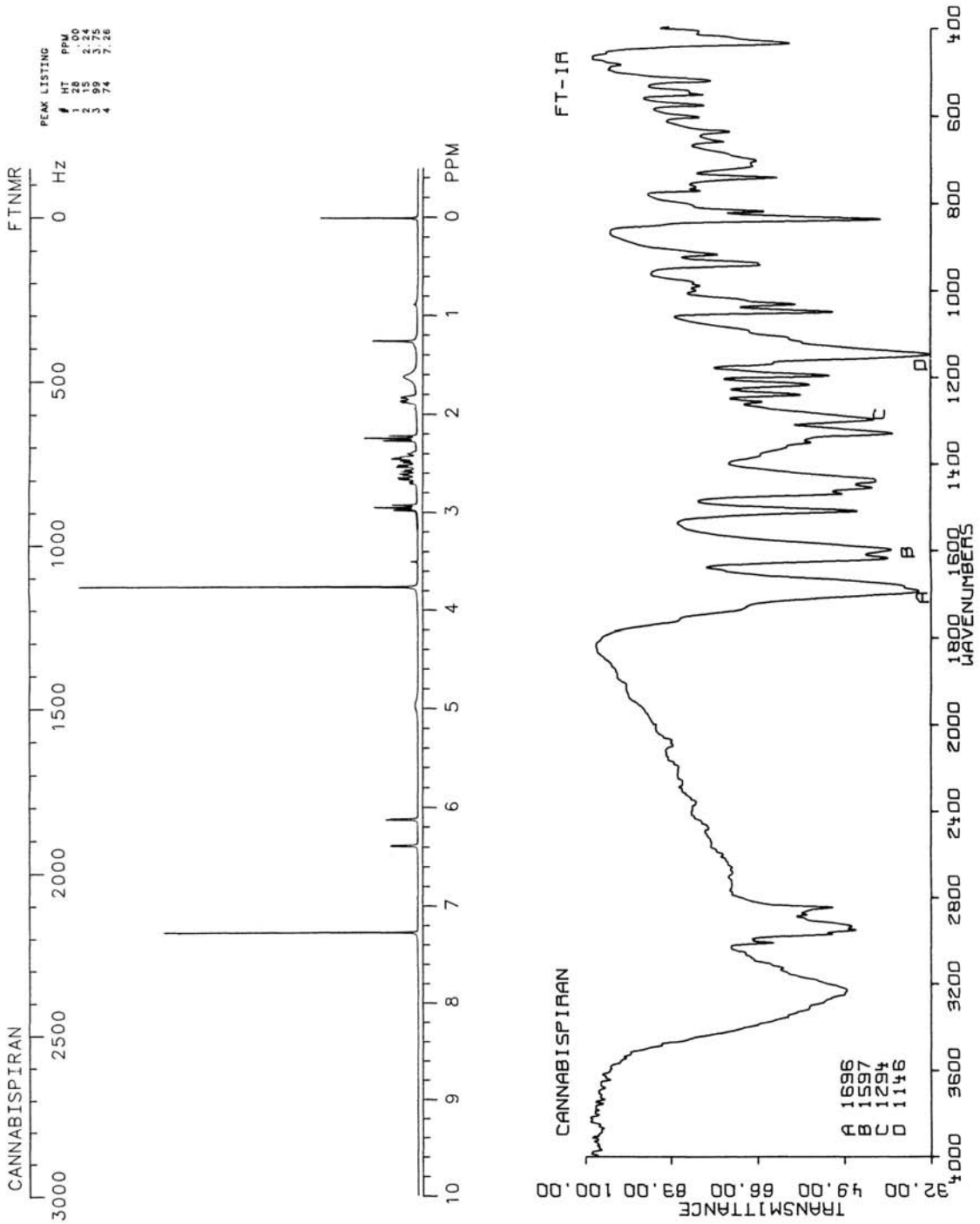
Use:
HPLC: Si-10; 1A:99B; 7.0
GC: 2376; 250°C





CANNABISPIRAN




CANNABISPIRAN
FTNMR
PEAK LISTING
HT PPM
1 28 .00
2 15 2.24
3 99 3.75
4 74 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CANNABISPIRAN
FT-IR
A 1696
B 1597
C 1294
D 1146
TRANSMITTANCE
32.00 49.00 66.00 83.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CANRENOIC ACID

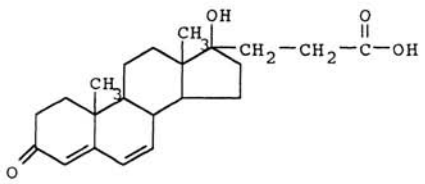
$C_{22}H_{30}O_4$

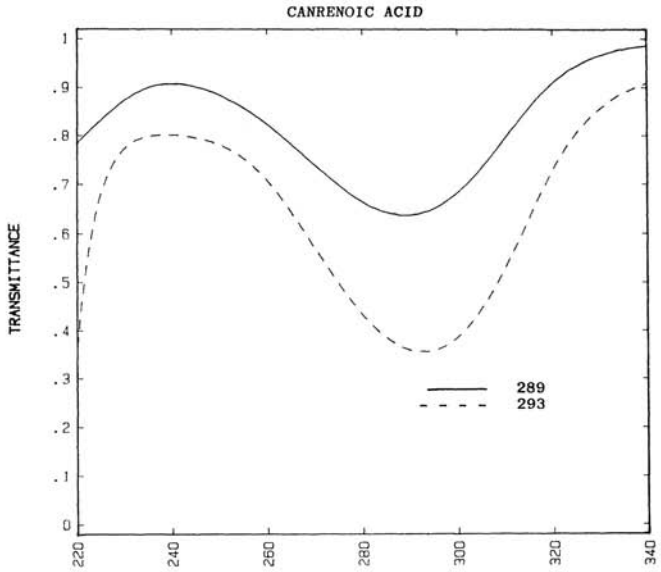
Molecular weight: 358.48 (358.21)

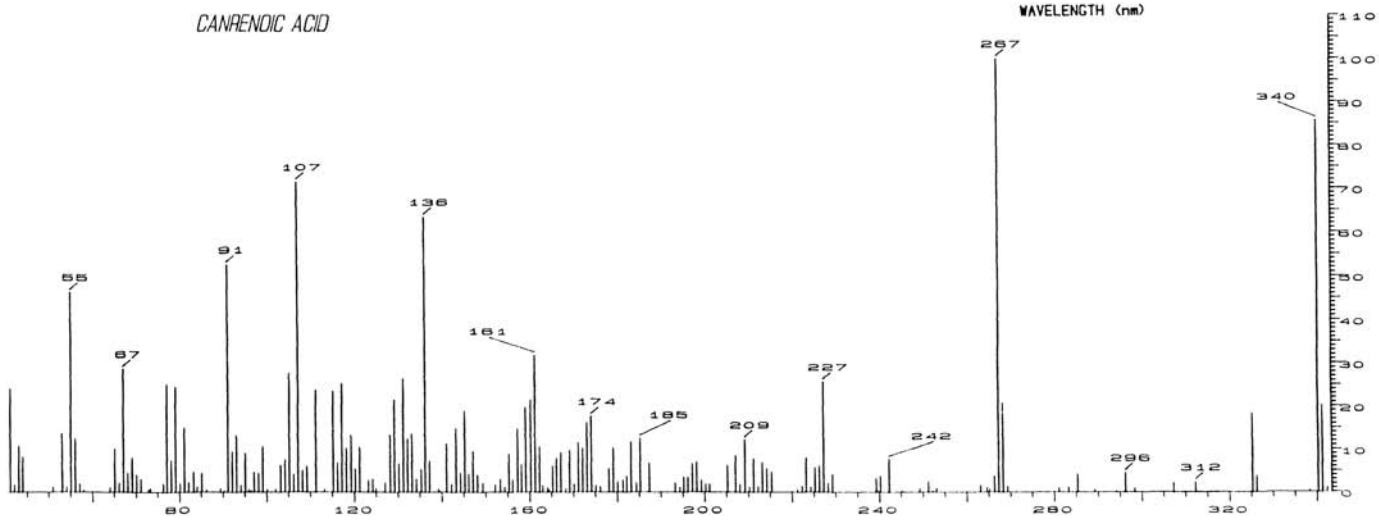
Synonyms: 17-Hydroxy-3-oxopregna-4,6-diene-21-carboxylic acid

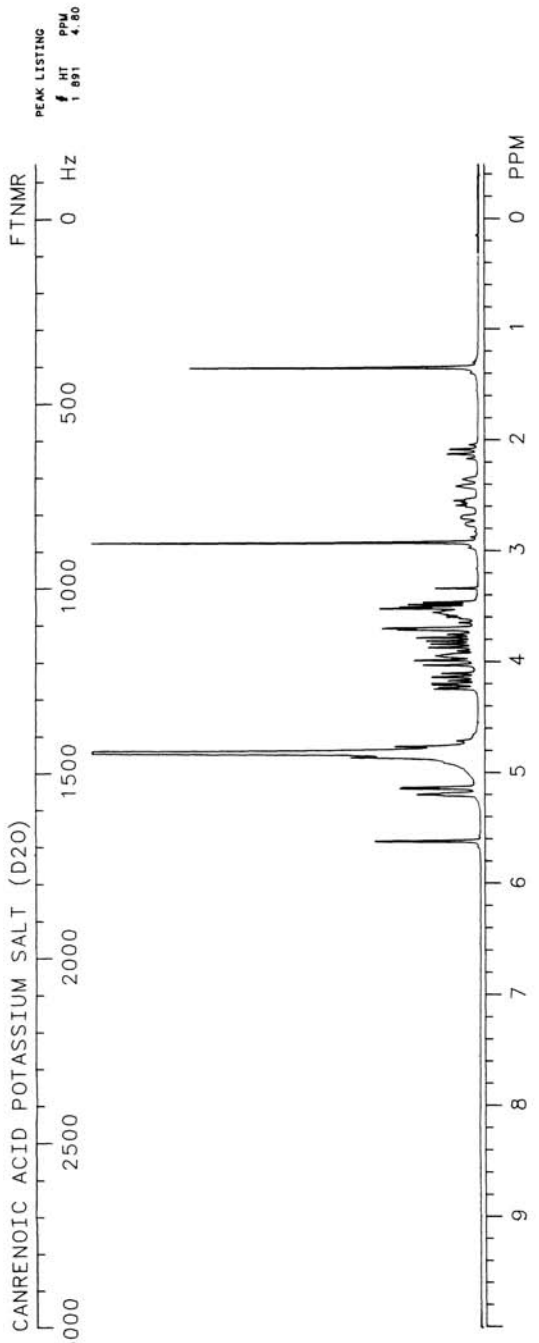
Trade names:

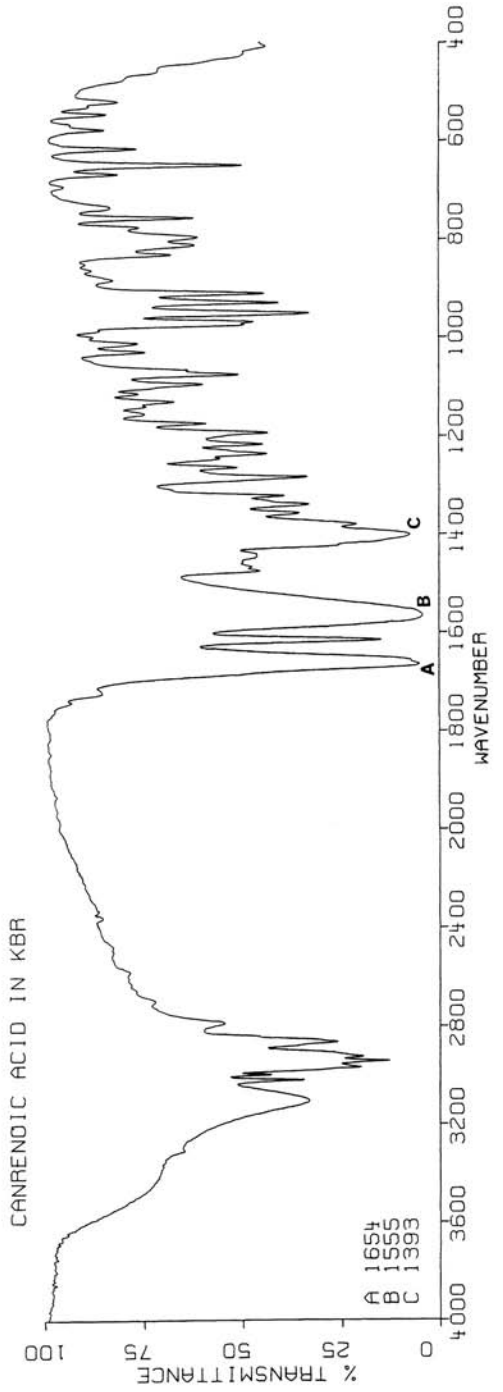
Use: Diuretic
HPLC: 80A:20B; 2.0
GC:








CANRENOIC ACID POTASSIUM SALT (D2O)
FTNMR
PEAK LISTING
f HT PPM
1 891 4.80
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

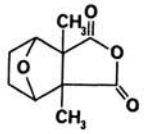

CANRENOIC ACID IN KBR
A 1654
B 1555
C 1393
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C

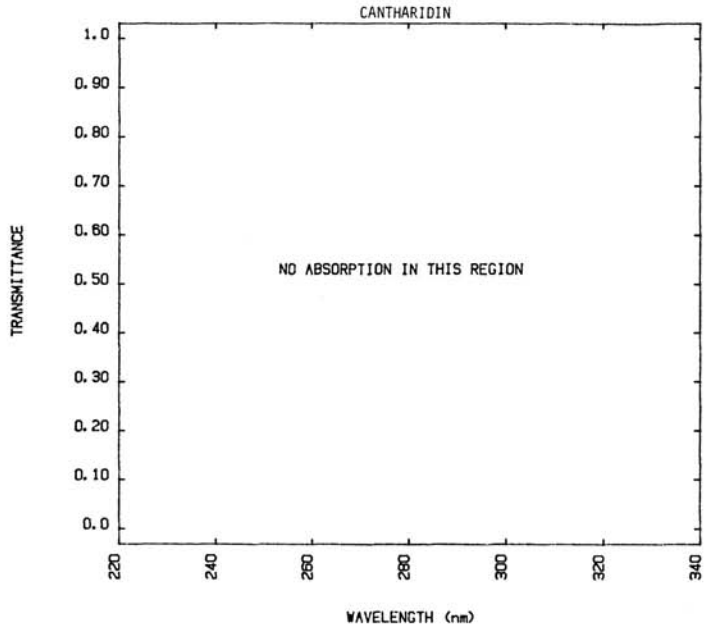
CANTHARIDIN

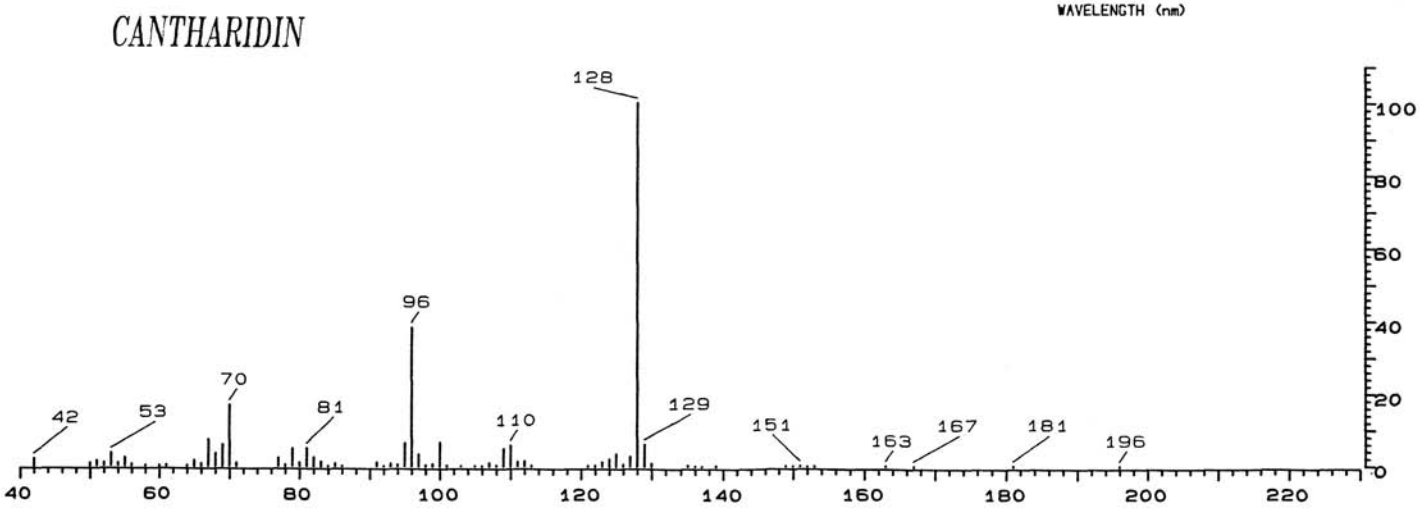
$C_{10}H_{12}O_4$

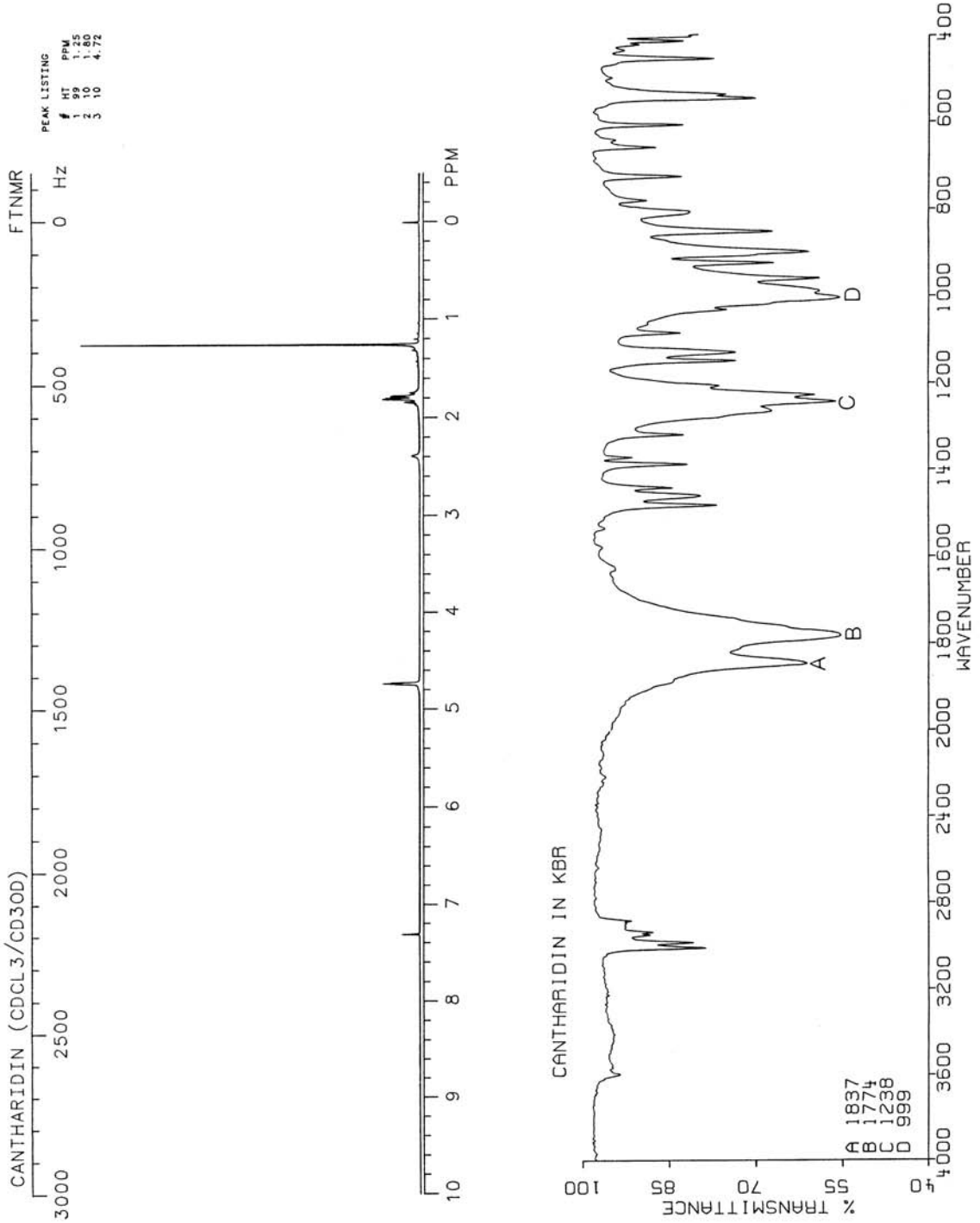
Molecular weight: 196.21 (196.07)
Synonyms: Hexahydro-3a,7a-dimethyl-4,7-epoxyisobenzofuran-1,3-dione; cantharides camphor; Spanish Fly
Trade names: Cantharone, Verr-Canth, Verrusol

Use: Vesicant
HPLC:
GC: 1515; 200°C








CANTHARIDIN (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 1.25
2 10 1.80
3 10 4.72
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CANTHARIDIN IN KBR
A 1837
B 1774
C 1238
D 999
A
B
C
D
100 85 70 55 40 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

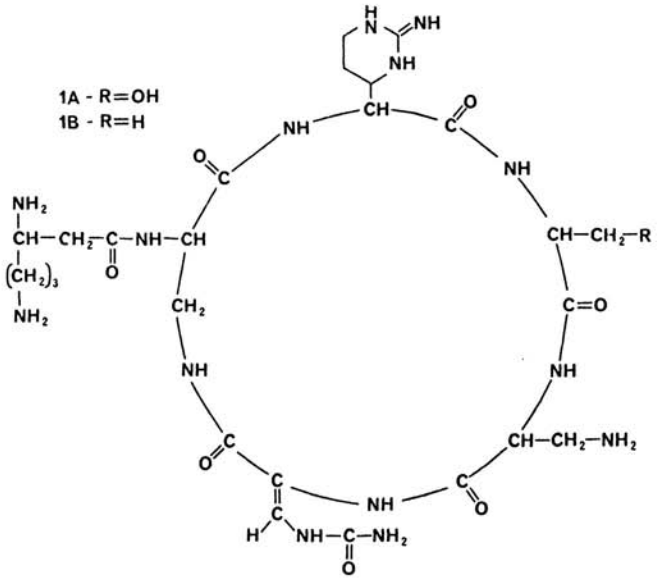
CAPREOMYCIN

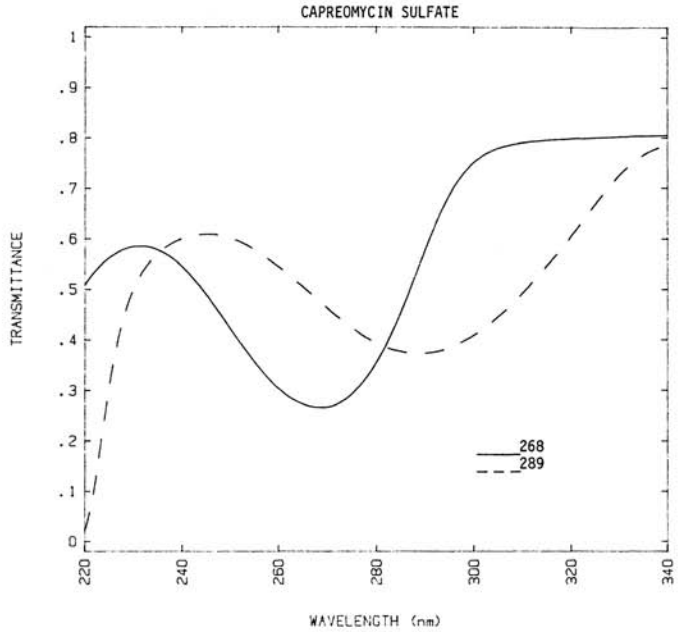
$C_{25}H_{44}N_{14}O_8$ (Capreomycin A)
$C_{25}H_{44}N_{14}O_7$ (Capreomycin B)

Molecular weight: 668.73 (668.35) [A]; 652.73 (652.35) [B]
Synonyms: Capromycin; caprolin, capostatin

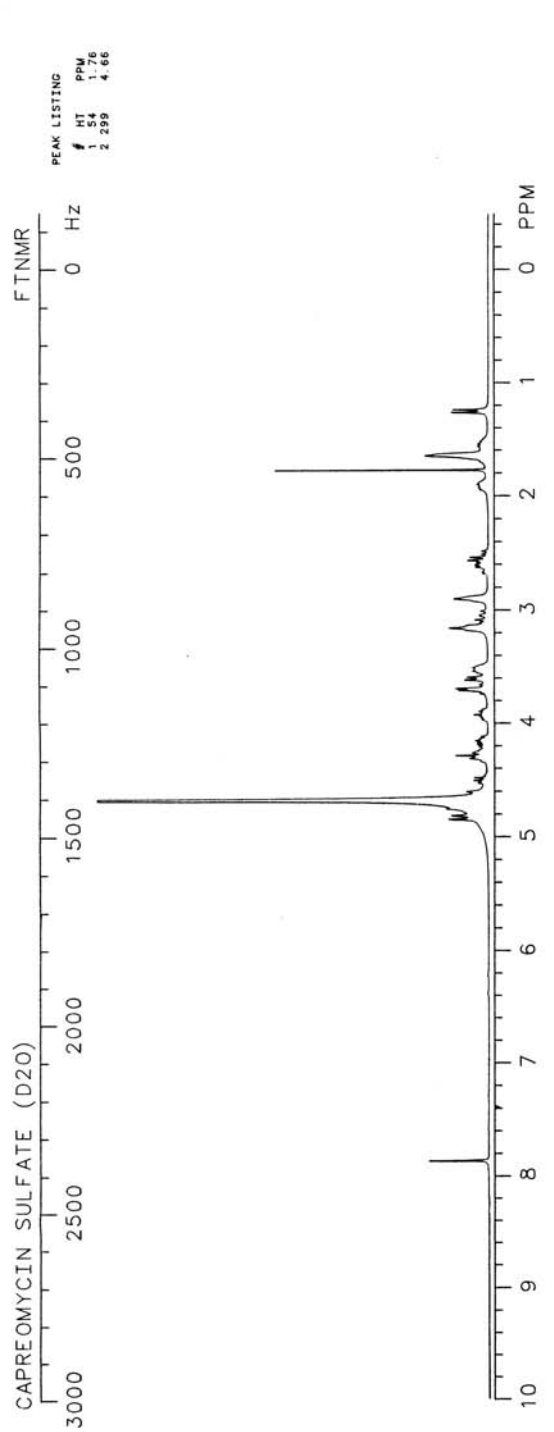
Trade names: Capastat Sulfate, Caprocin, Ogostal

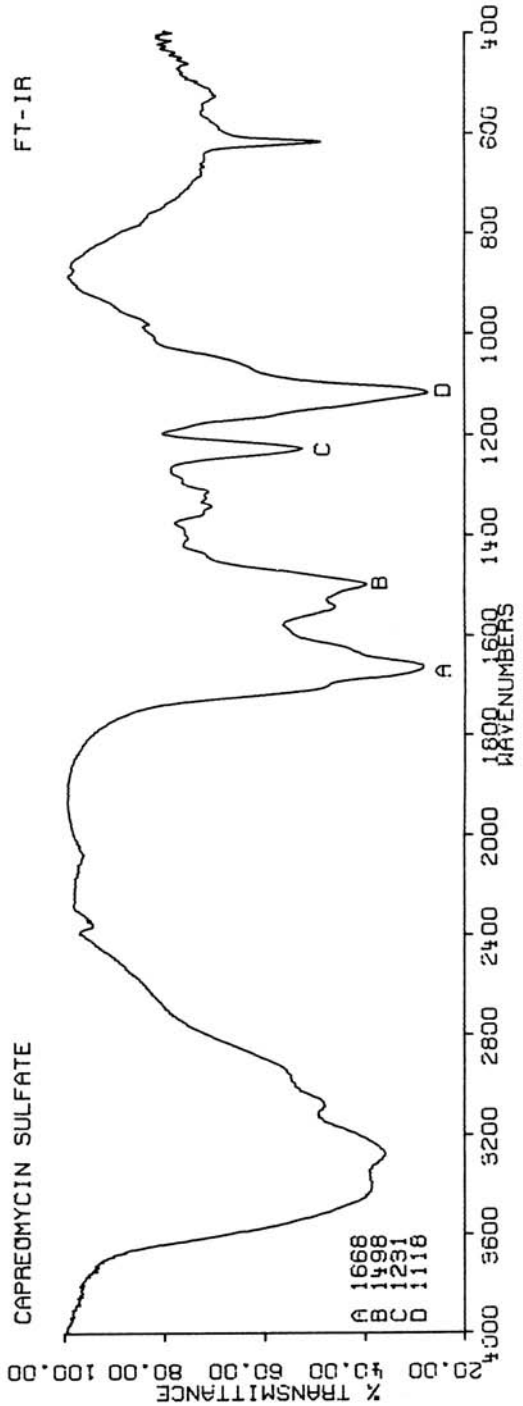
Use: Antibacterial
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED


CAPREOMYCIN SULFATE (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 54 1.76
2 299 4.66


CAPREOMYCIN SULFATE
FT-IR
A 1668
B 1498
C 1231
D 1118
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CAPRYLIC ACID

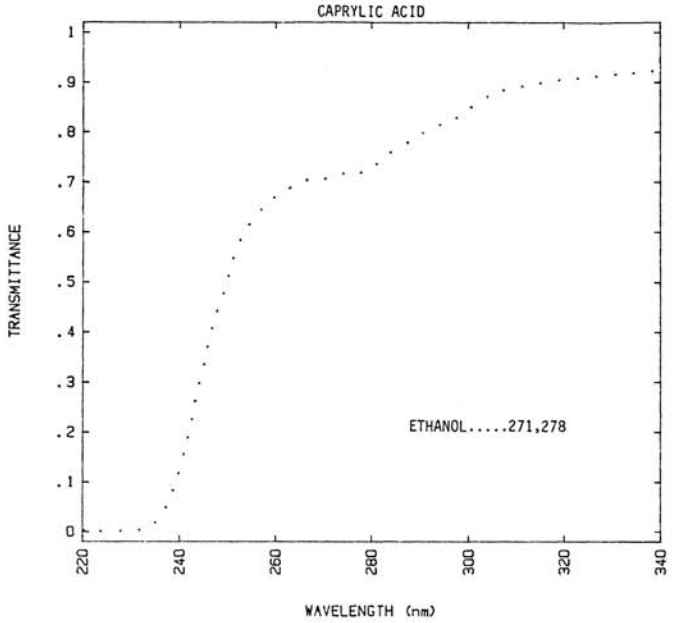
$C_8H_{16}O_2$

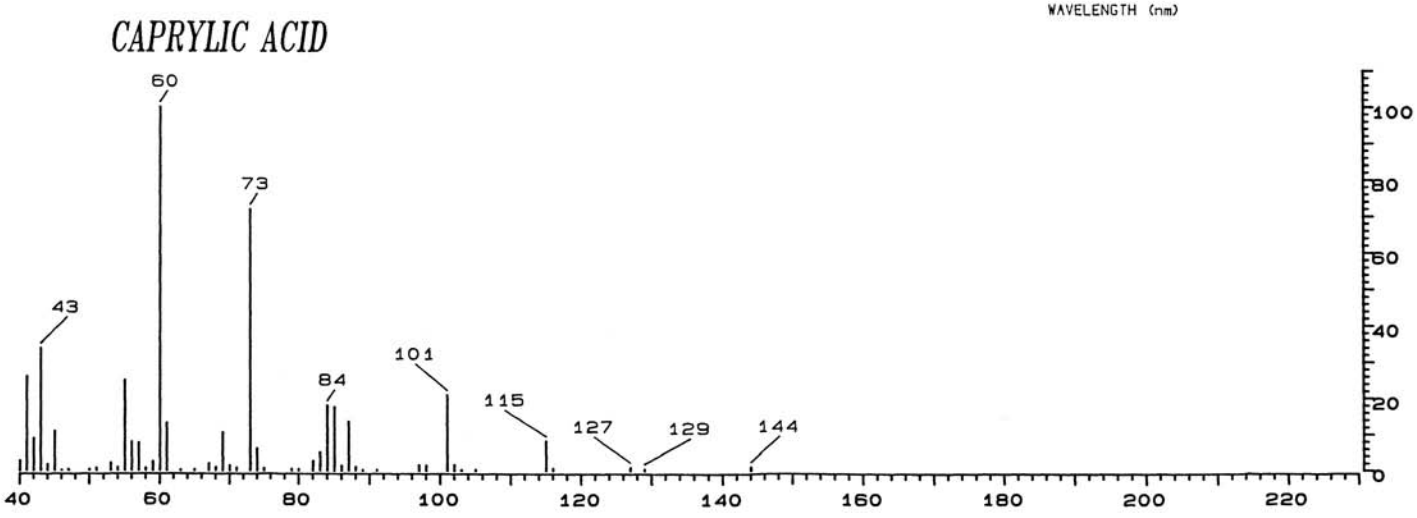
Molecular weight: 144.21 (144.12)
Synonyms: Octanoic acid

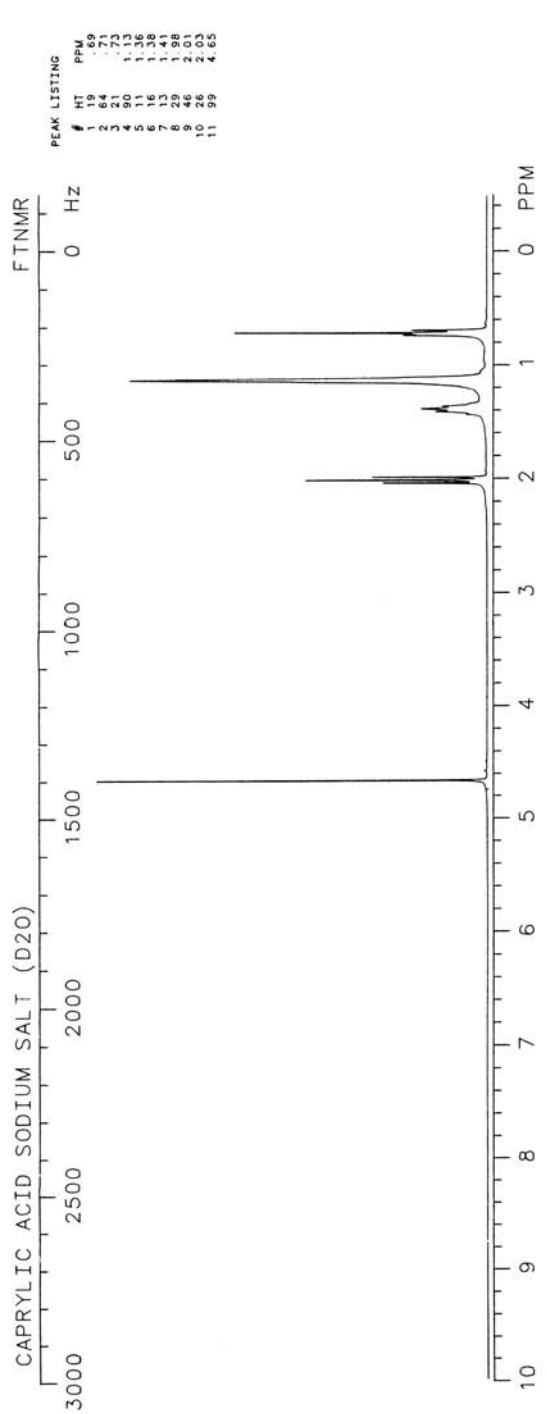
Trade names:

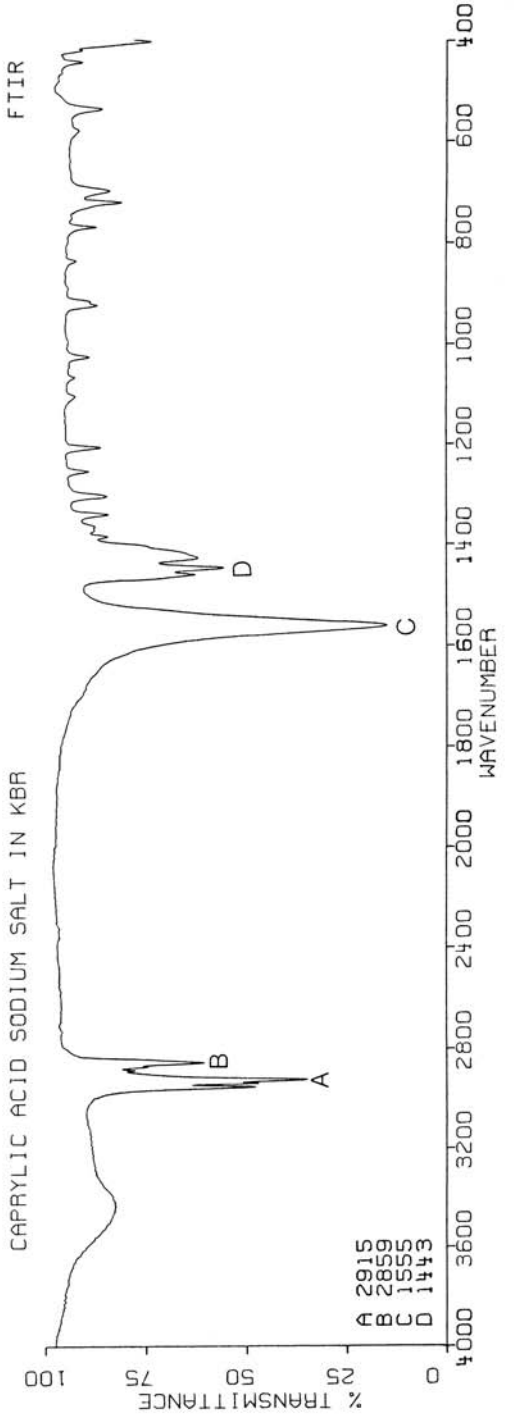
Use: Synthesis
HPLC:
GC:

$CH_3-(CH_2)_6-COOH$





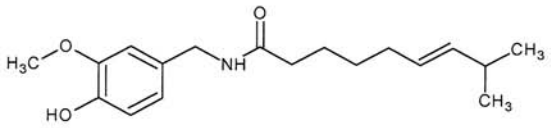

FTNMR
CAPRYLIC ACID SODIUM SALT (D2O)
PEAK LISTING
HT PPM
1 19 .69
2 64 .71
3 21 .73
4 90 1.13
5 11 1.36
6 16 1.38
7 13 1.41
8 29 1.98
9 46 2.01
10 26 2.03
11 99 4.65
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

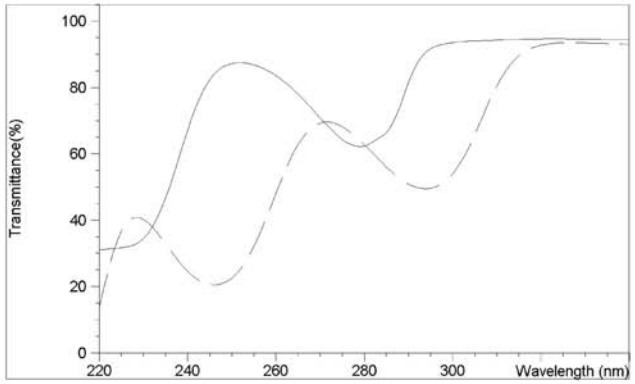

FTIR
CAPRYLIC ACID SODIUM SALT IN KBR
A 2915
B 2859
C 1555
D 1443
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

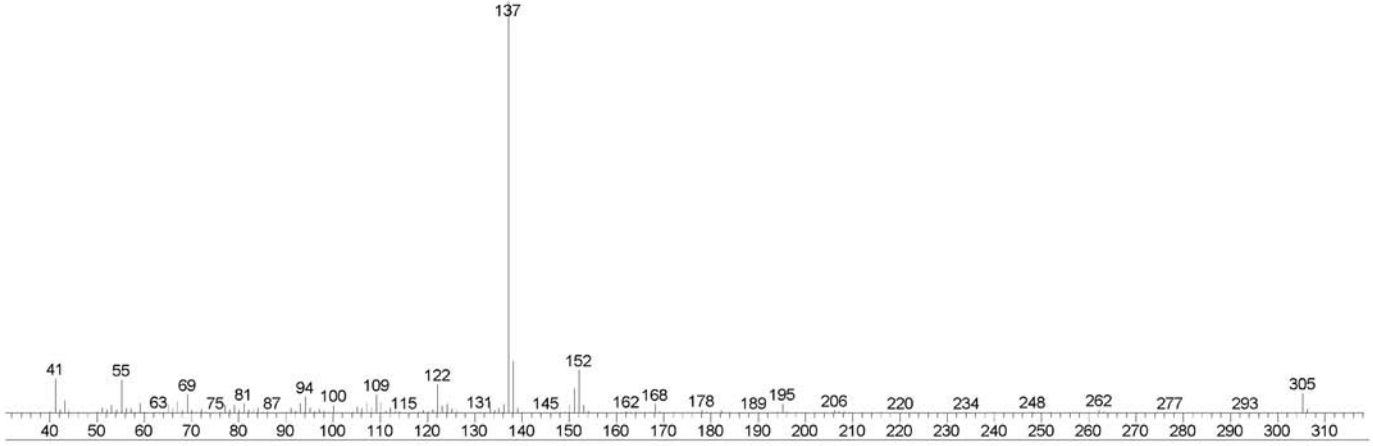
CAPSAICIN

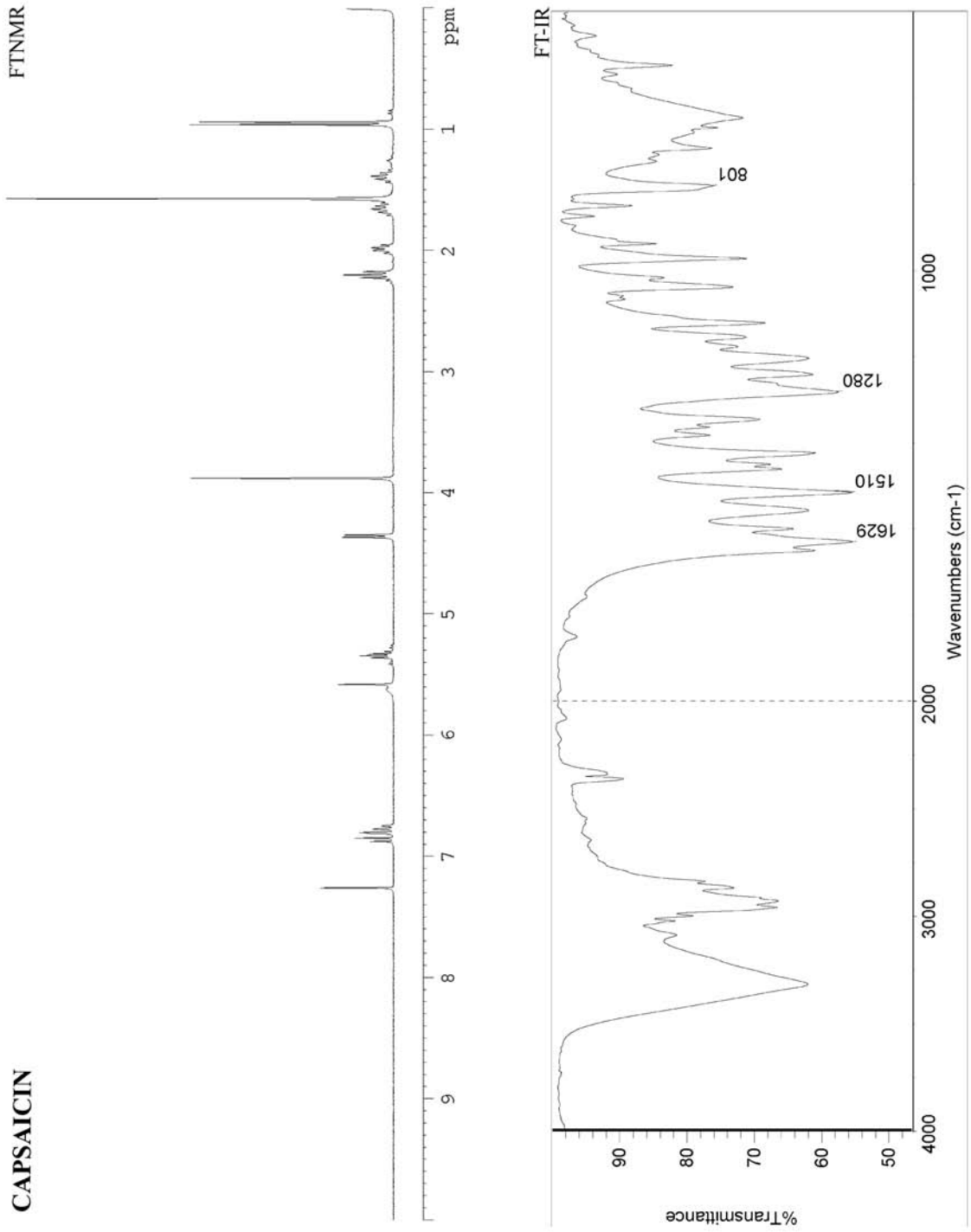
$C_{18}H_{27}NO_3$

Molecular Weight: 305.41 (305.2)
Synonyms: (6*E*)-*N*-[(4-Hydroxy-3-methoxyphenyl)methyl]-8-methyl-6-nonenamide, *trans*-8-methyl-*N*-vanillyl-6-nonenamide
Trade names: Axasin, Mioton, Zacin, Zostrix, Pain-X
Use: Irritant, Topical analgesic, Antineuralgic







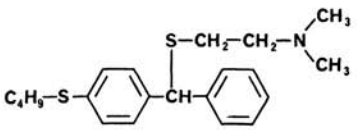

CAPSAICIN
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
90
80
70
60
50
4000
3000
2000
1000
Wavenumbers (cm-1)
801
1280
1510
1629

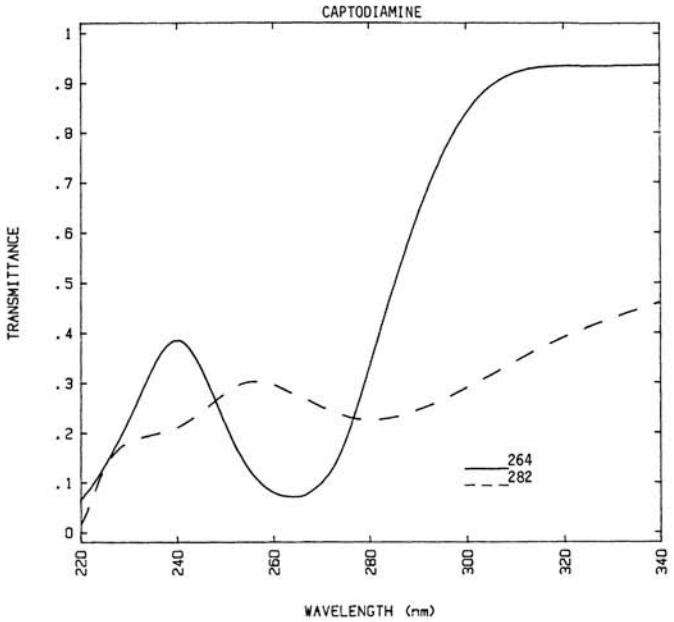
CAPTODIAMINE

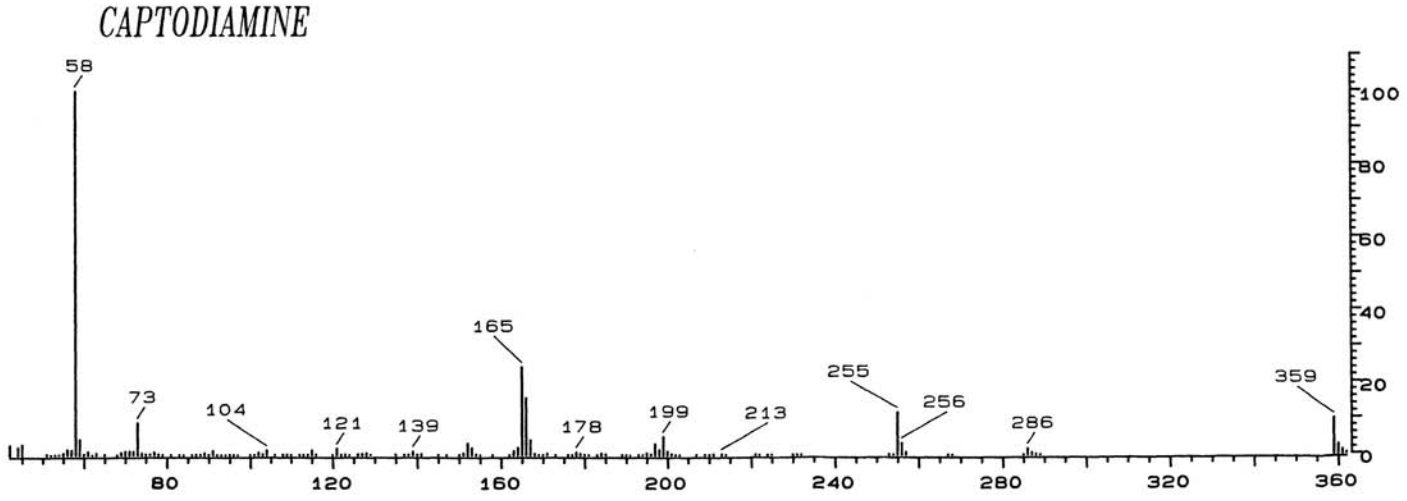
$C_{21}H_{29}NS_2$

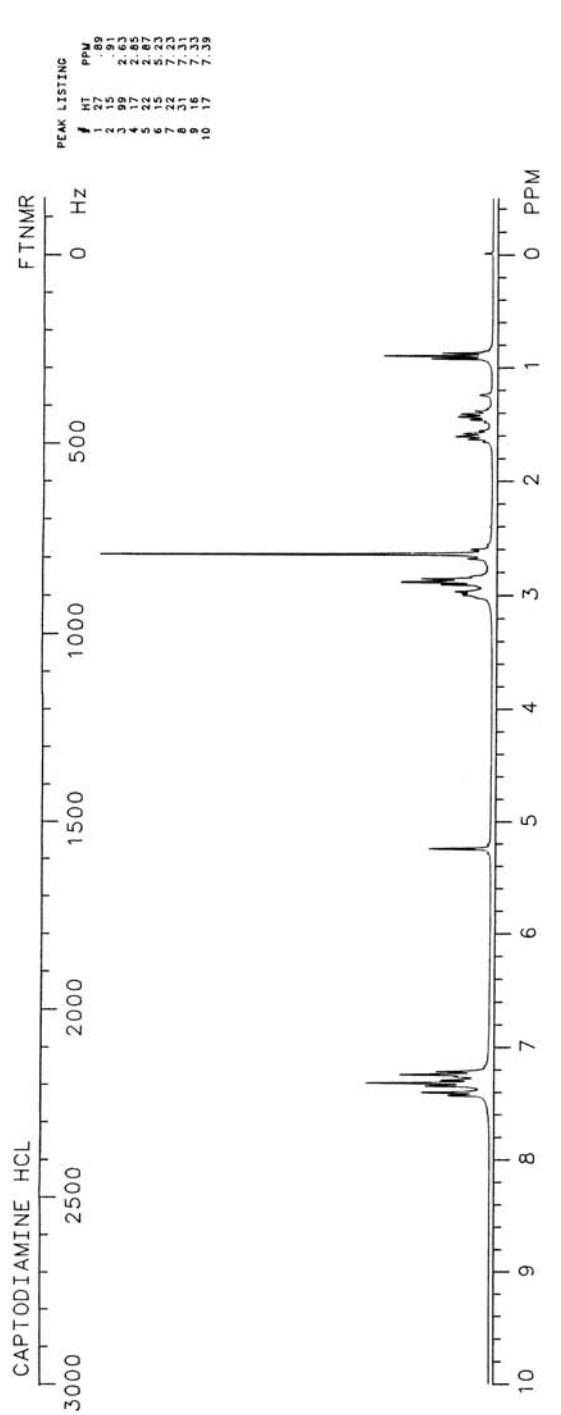
Molecular weight: 359.60 (359.17)
Synonyms: 2-[[[4-(Butylthio)phenyl]phenylmethyl]thio]-N,N-dimethylethanamine; captodiam; captodramin
Trade names: Covatine, Covatix, Suvren

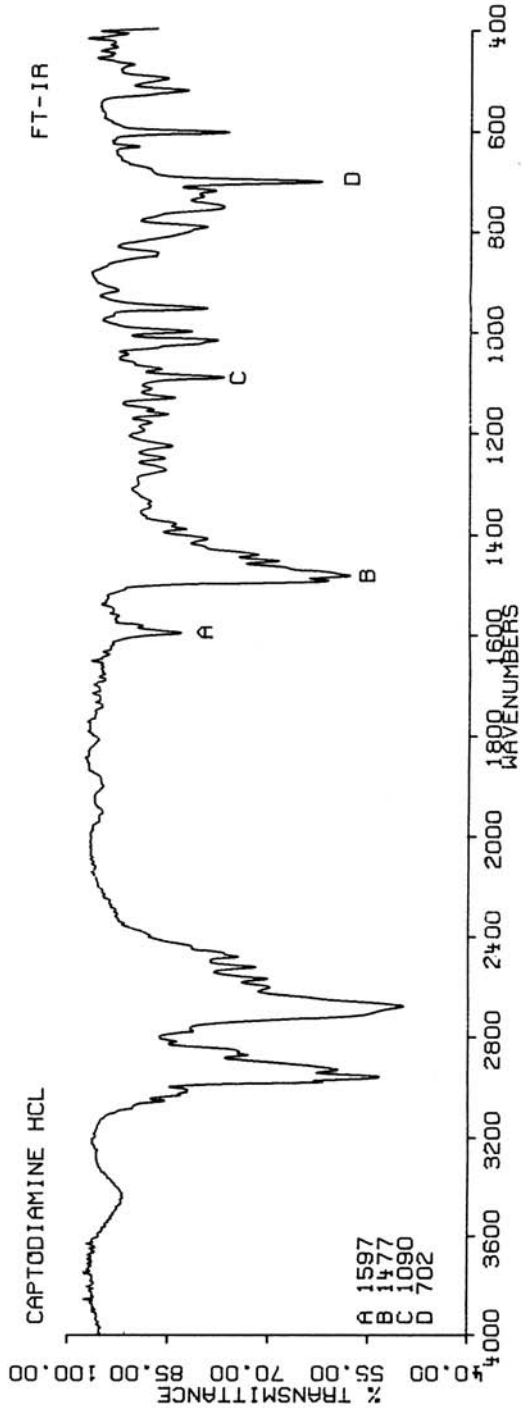
Use: Sedative
HPLC: Si-10; 2A:98B; 4.0
GC: 2830; 280°C








FTNMR
CAPTODIAMINE HCL
PEAK LISTING
HT PPM
1 27 .89
2 15 .91
3 99 2.63
4 17 2.85
5 12 2.87
6 15 5.23
7 22 7.23
8 31 7.31
9 16 7.33
10 17 7.39
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CAPTODIAMINE HCL
A 1597
B 1477
C 1090
D 702
A
B
C
D
% TRANSMITTANCE
0.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

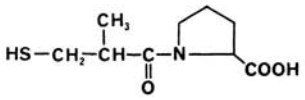
CAPTOPRIL

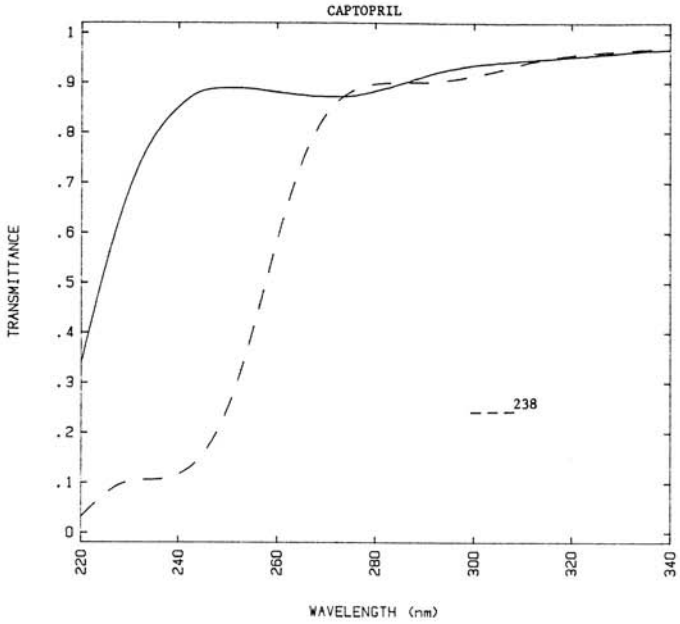
$C_9H_{15}NO_3S$

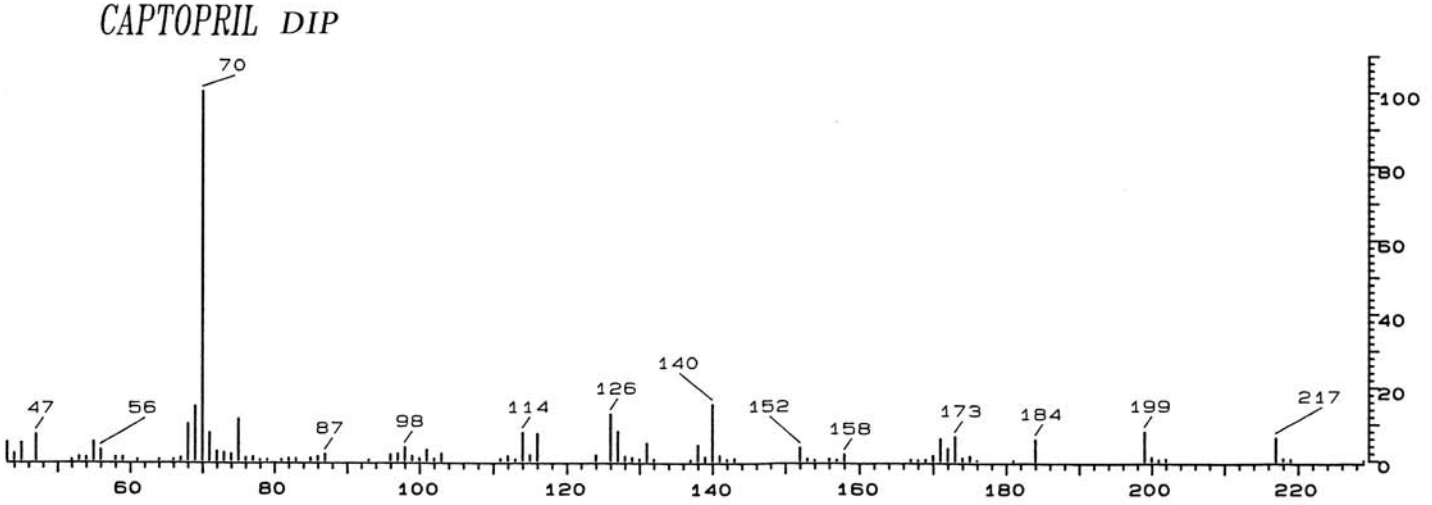
Molecular weight: 217.28 (217.08)
Synonyms: 1-[(2S)-3-Mercapto-2-methylpropionyl]-L-proline

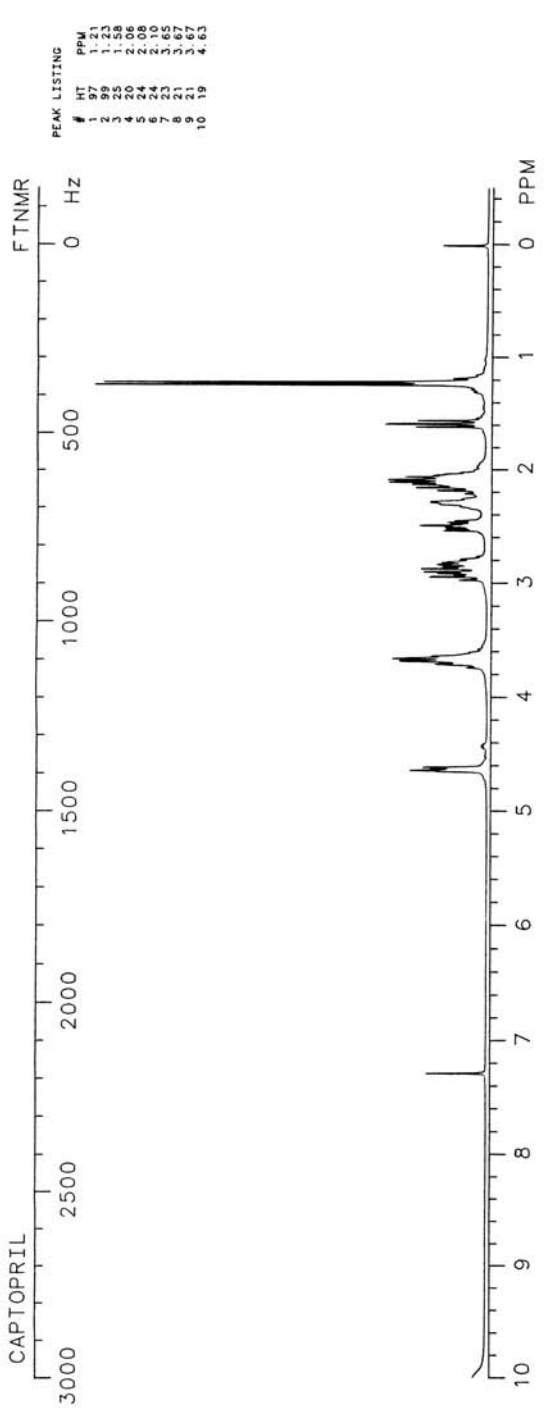
Trade names: Acepril, Capoten, Lopirin

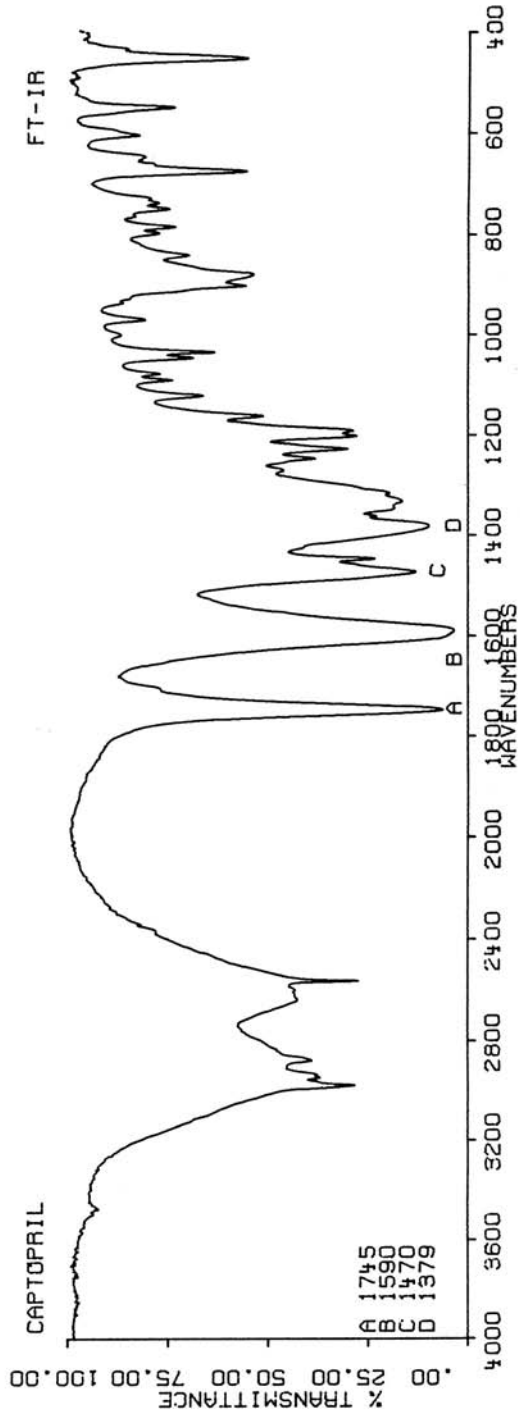
Use: Antihypertensive
HPLC:
GC:








CAPTOPRIL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 97 1.21
2 99 1.23
3 25 1.58
4 20 2.06
5 24 2.08
6 24 2.10
7 23 2.65
8 21 3.67
9 21 3.67
10 19 4.63

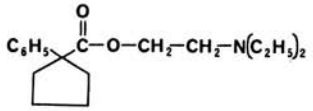

CAPTOPRIL
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1745
B 1590
C 1470
D 1379

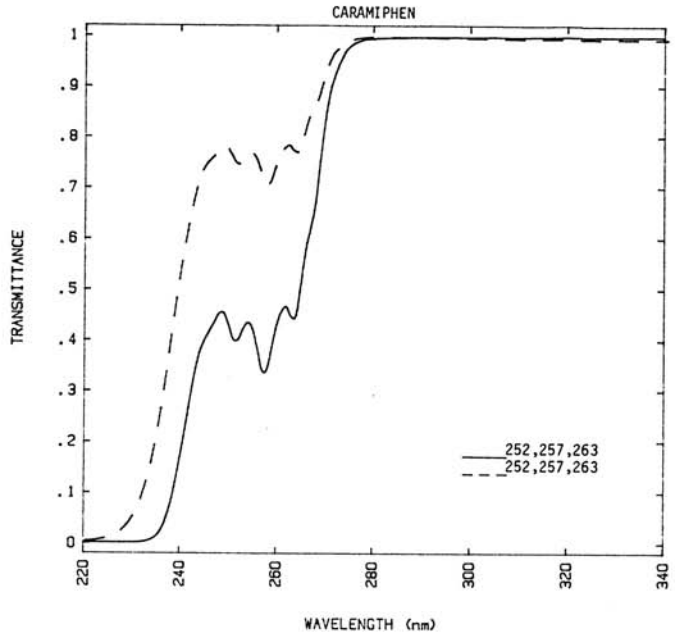
CARAMIPHEN

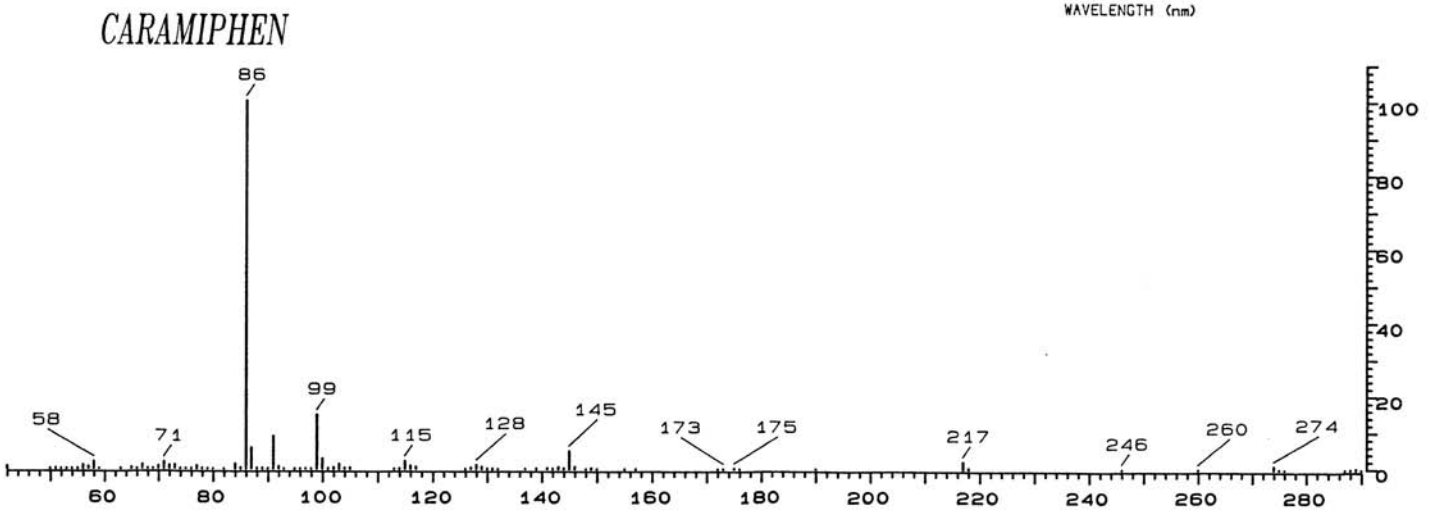
$C_{18}H_{27}NO_2$

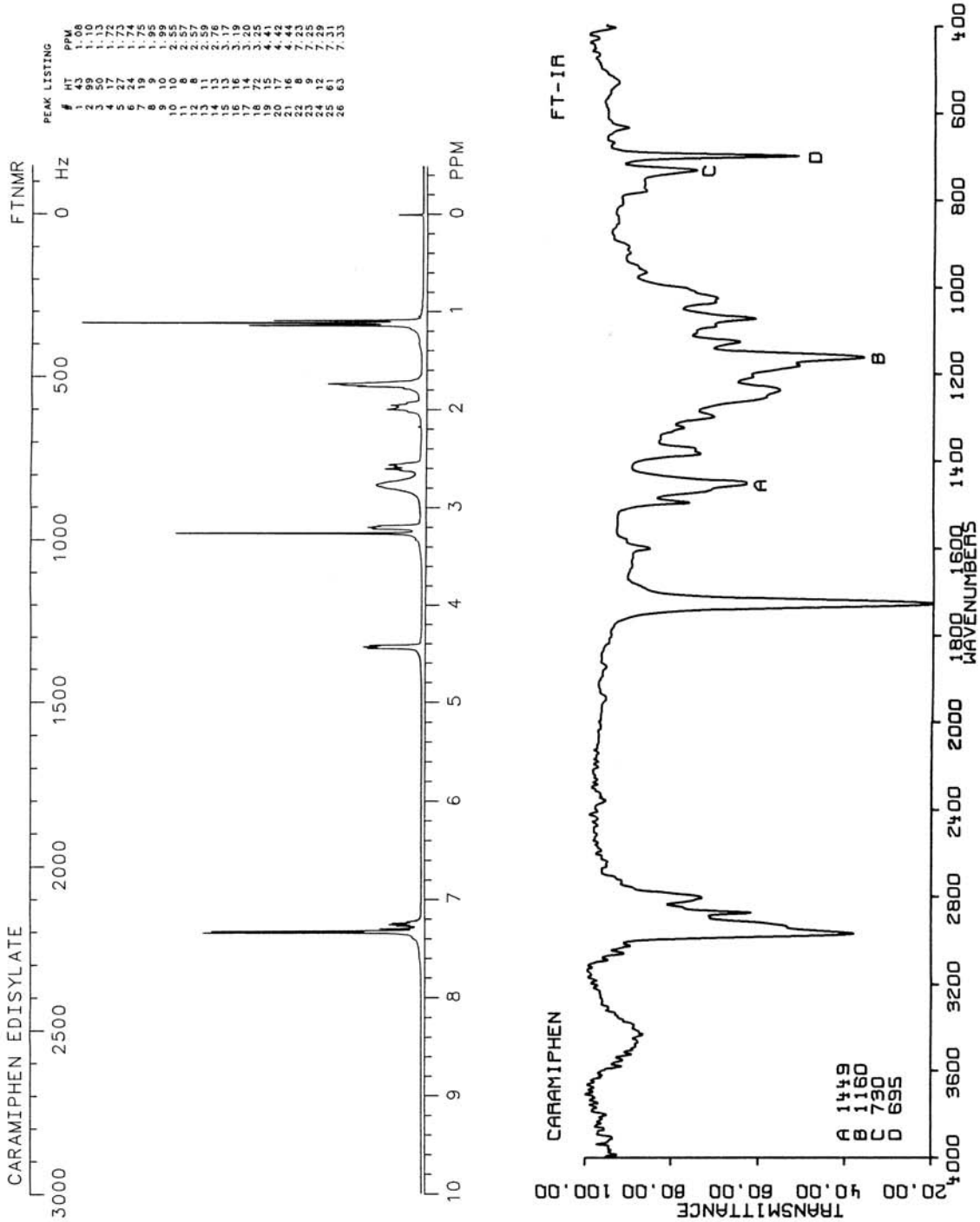
Molecular weight: 289.41 (289.20)
Synonyms: 1-Phenylcyclopentanecarboxylic acid 2-(diethylamino)-ether ester
Trade names: Parpanit, Panparnit, Rescaps-D, Tuyss-Ade, Tuss-Ornade

Use: Anticholinergic, antitussive
HPLC: Si-10; 2A:98B; 4.4
GC: 2035; 250°C







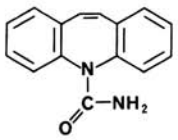

CARAMIPHEN EDISYLATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 43 1.08
2 99 1.10
3 50 1.13
4 17 1.72
5 27 1.73
6 24 1.74
7 19 1.75
8 9 1.95
9 10 1.99
10 10 2.55
11 8 2.57
12 6 2.57
13 11 2.59
14 13 2.76
15 13 3.17
16 16 3.19
17 14 3.20
18 72 3.25
19 15 4.41
20 17 4.42
21 16 4.44
22 8 7.23
23 9 7.25
24 12 7.29
25 61 7.31
26 63 7.33
CARAMIPHEN
FT-IR
TRANSMITTANCE
20.00
40.00
60.00
80.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D
A 1449
B 1160
C 730
D 695

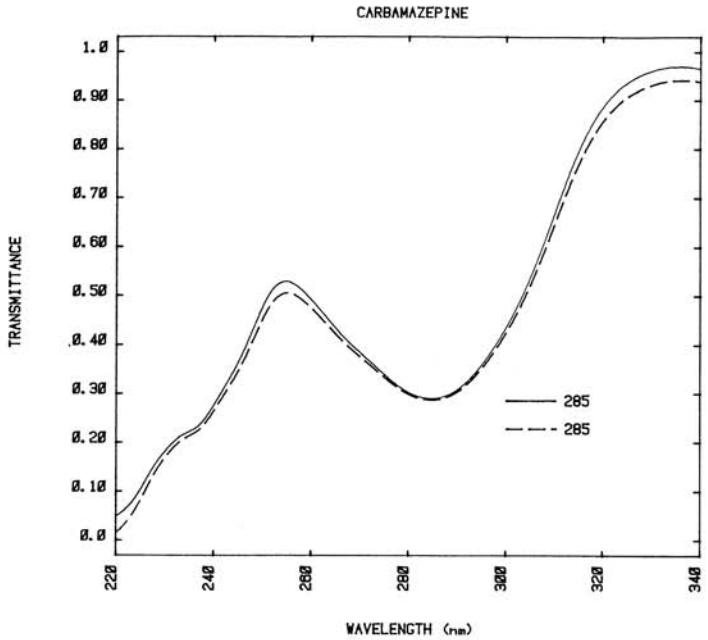
CARBAMAZEPINE

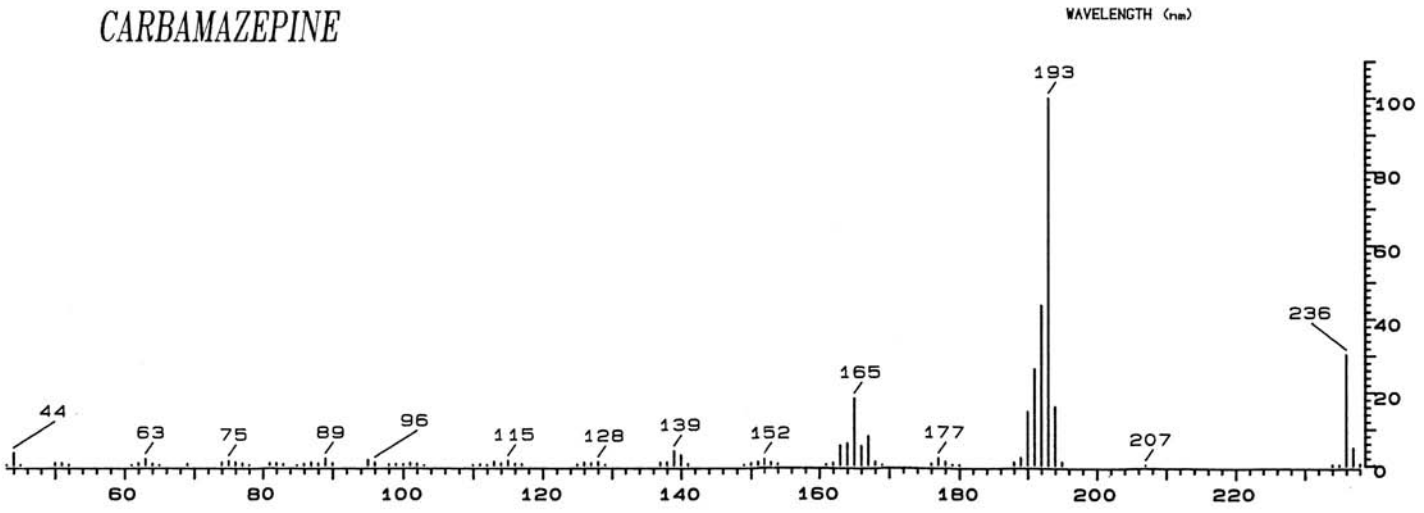
$C_{15}H_{12}N_2O$

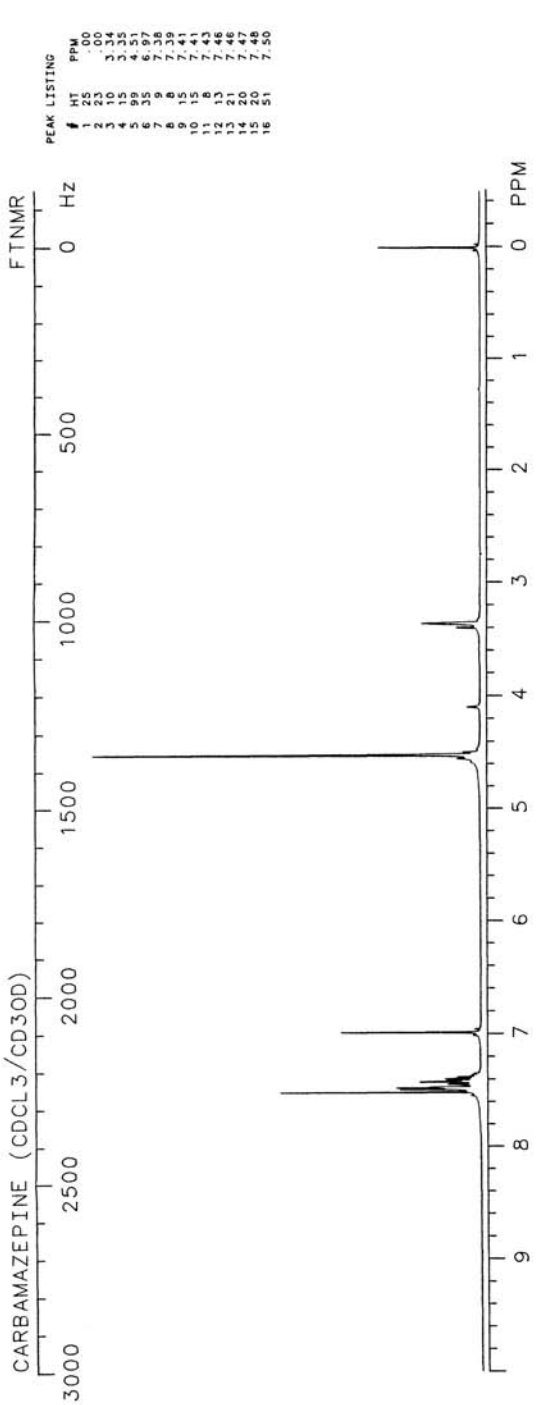
Molecular weight: 236.27 (236.10)
Synonyms: 5H-Dibenz[b,f]azepine-5-carboxamide; 5-carbamoyl-5H-dibenz[b,f]azepine
Trade names: Tegretol

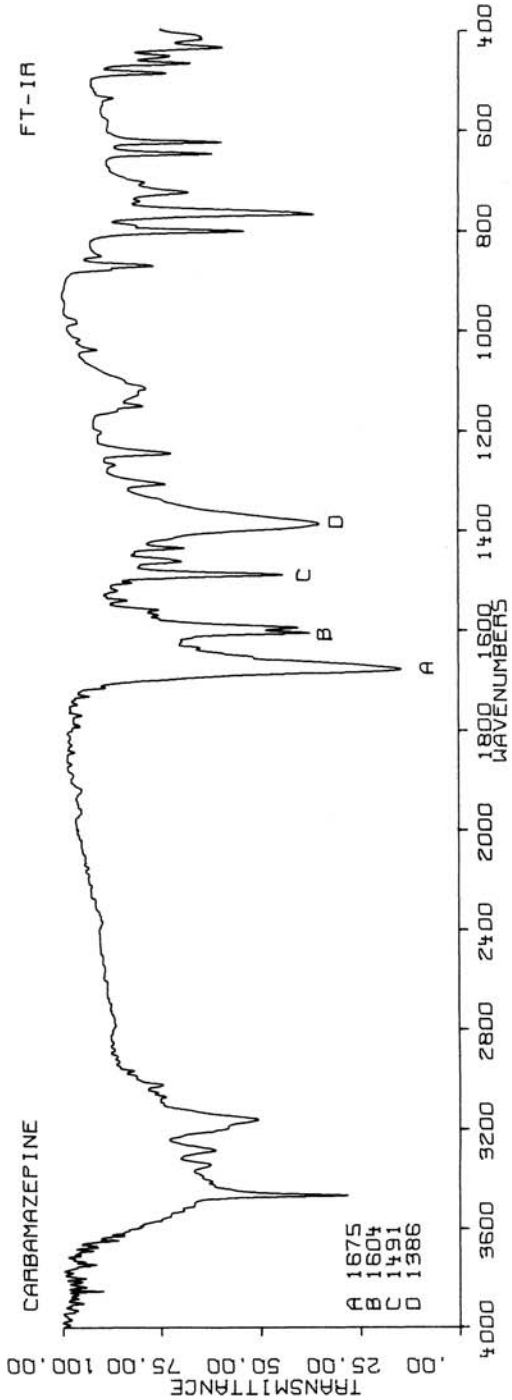
Use: Anticonvulsant
HPLC: Si-10; 2A:98B; 5.7
GC: 2130; 250°C








FTNMR
CARBAMAZEPINE (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 25 .00
2 23 .00
3 10 3.34
4 15 3.35
5 99 4.51
6 35 6.97
7 9 7.38
8 8 7.39
9 15 7.41
10 15 7.41
11 6 7.43
12 13 7.46
13 21 7.46
14 20 7.47
15 20 7.48
16 51 7.50
9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CARBAMAZEPINE
A 1675
B 1604
C 1491
D 1386
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CARBAMAZEPINE 10, 11–EPOXIDE

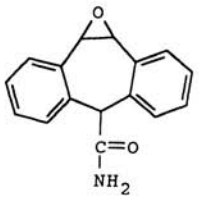
$C_{15}H_{12}N_2O_2$

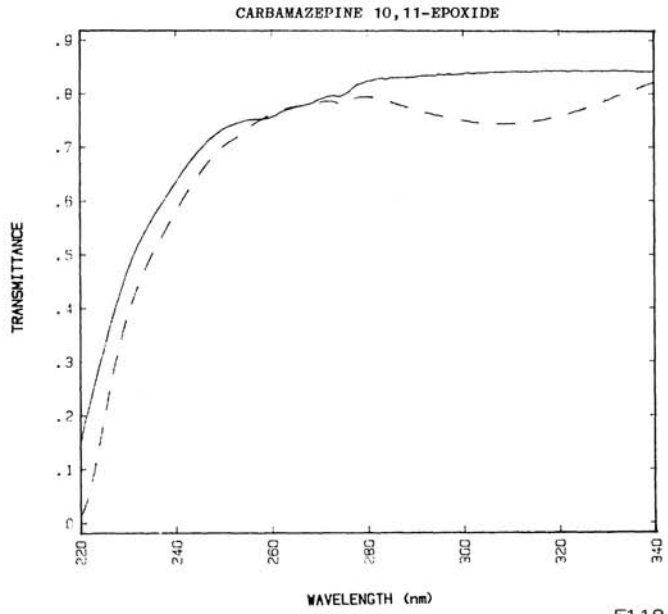
Molecular weight: 252.28 (252.09)

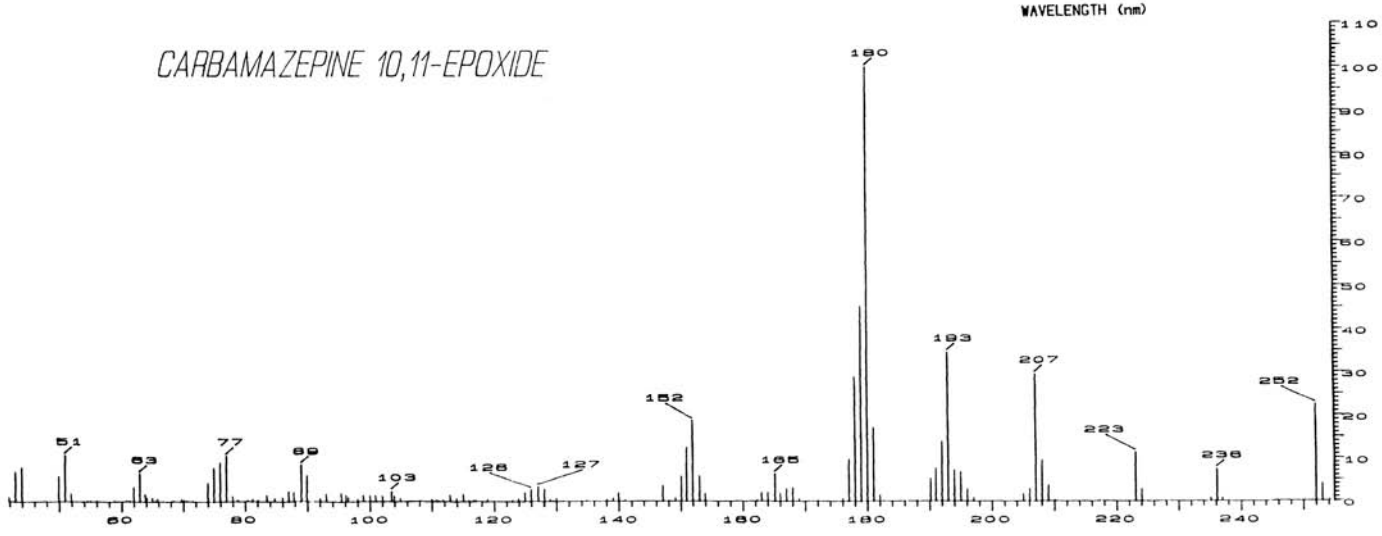
Synonyms: 5H-Dibenz[b,f]azepine-5-carboxamide-10,11-expoxide

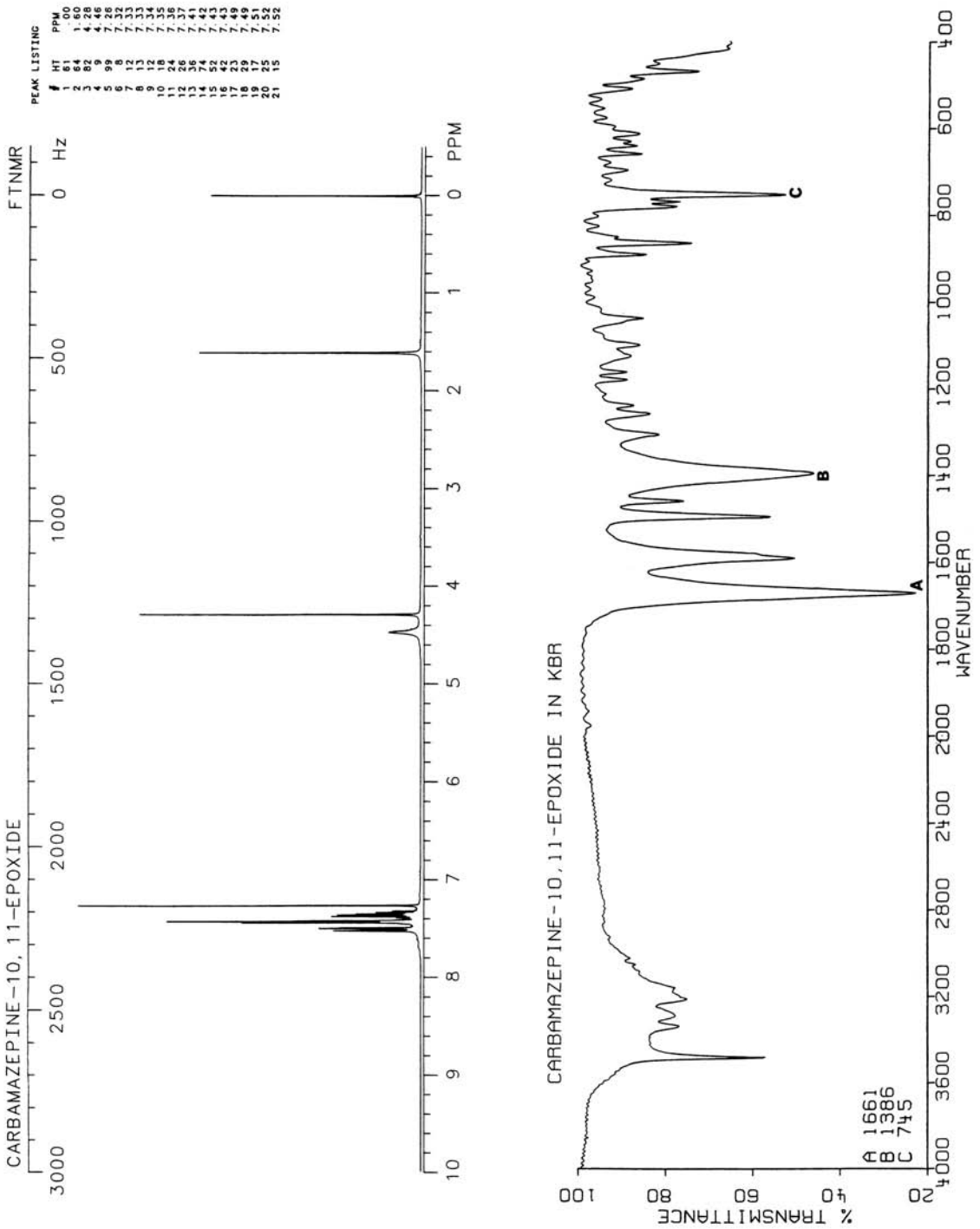
Trade names:

Use: metabolite of carbamazepine
HPLC: 50A:50B; 2.9
GC: 2153; 280°







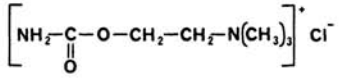

CARBAMAZEPINE-10,11-EPOXIDE
FTNMR
PEAK LISTING
HT PPM
1 61 1.60
2 64 4.28
3 82 4.46
4 9 7.26
5 99 7.32
6 8 7.33
7 12 7.33
8 13 7.34
9 12 7.35
10 18 7.36
11 24 7.37
12 26 7.41
13 36 7.42
14 74 7.43
15 52 7.43
16 42 7.49
17 23 7.49
18 29 7.51
19 17 7.52
20 15
21 15
Hz
PPM
CARBAMAZEPINE-10,11-EPOXIDE IN KBR
A 1661
B 1386
C 745
% TRANSMITTANCE
WAVENUMBER

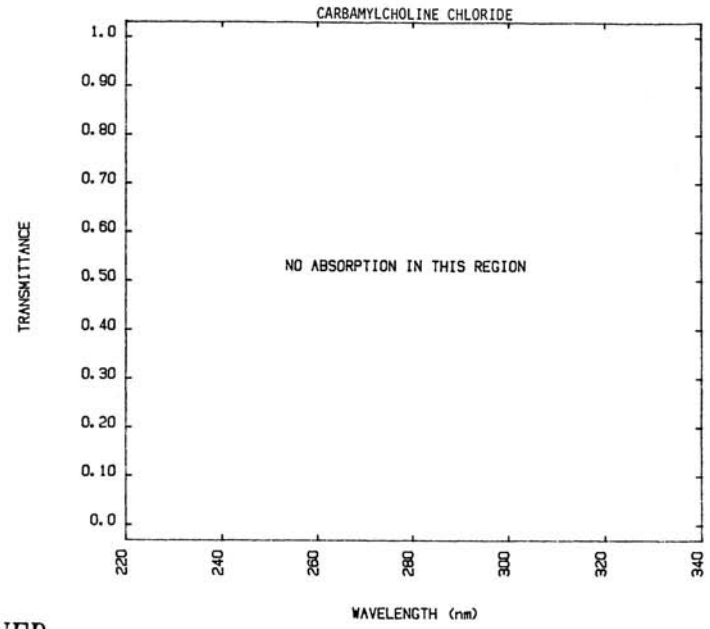
CARBAMYLCHOLINE CHLORIDE

$C_6H_{15}ClN_2O_2$

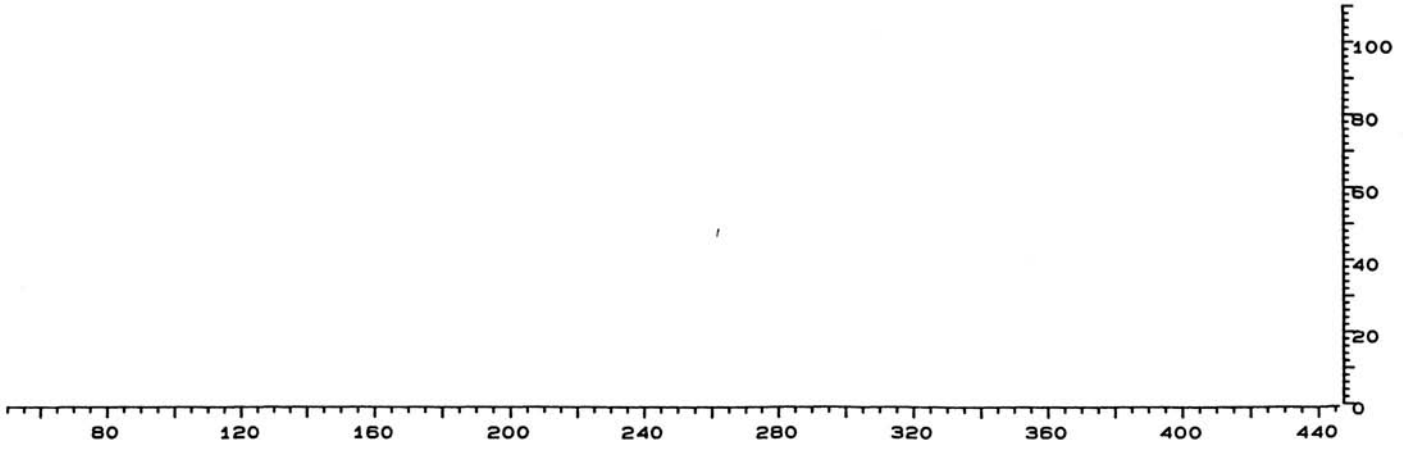
Molecular weight: 182.65 (182.08)
Synonyms: 2-[(Aminocarbonyl)oxy]-N,N,N-trimethylethananminium chloride; carbachol; carbochlonine; choline chloride
Trade names: Carbyl, Carcholin, Coletyl, Doryl, Lentin, Miostat, Moryl

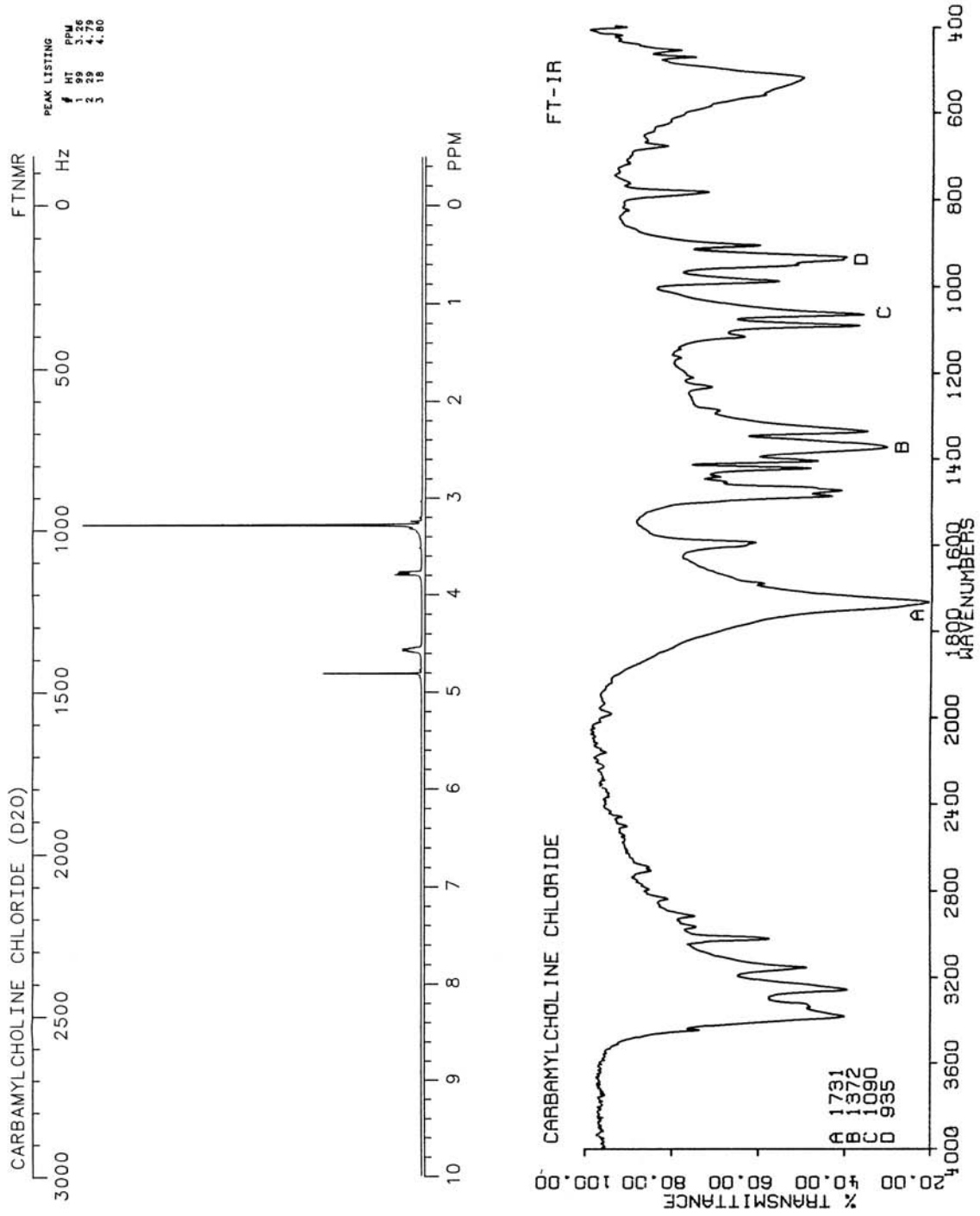
Use: Cholinergic, parasysmpathominetic
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



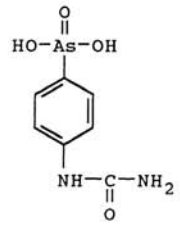

CARBAMYLCHOLINE CHLORIDE (D2O)
FTNMR
PEAK LISTING
HT PPM
99 3.26
99 4.79
3 18 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CARBAMYLCHOLINE CHLORIDE
FT-IR
A 1731
B 1372
C 1090
D 935
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

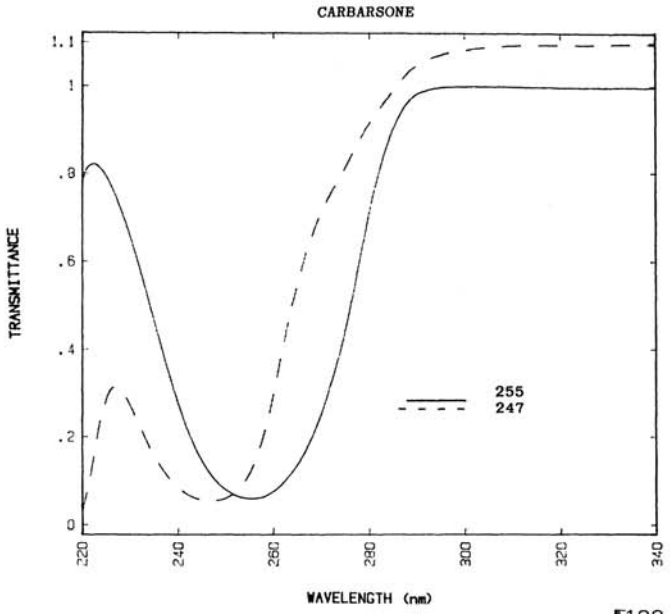
CARBARSONE

$C_7H_9AsN_2O_4$

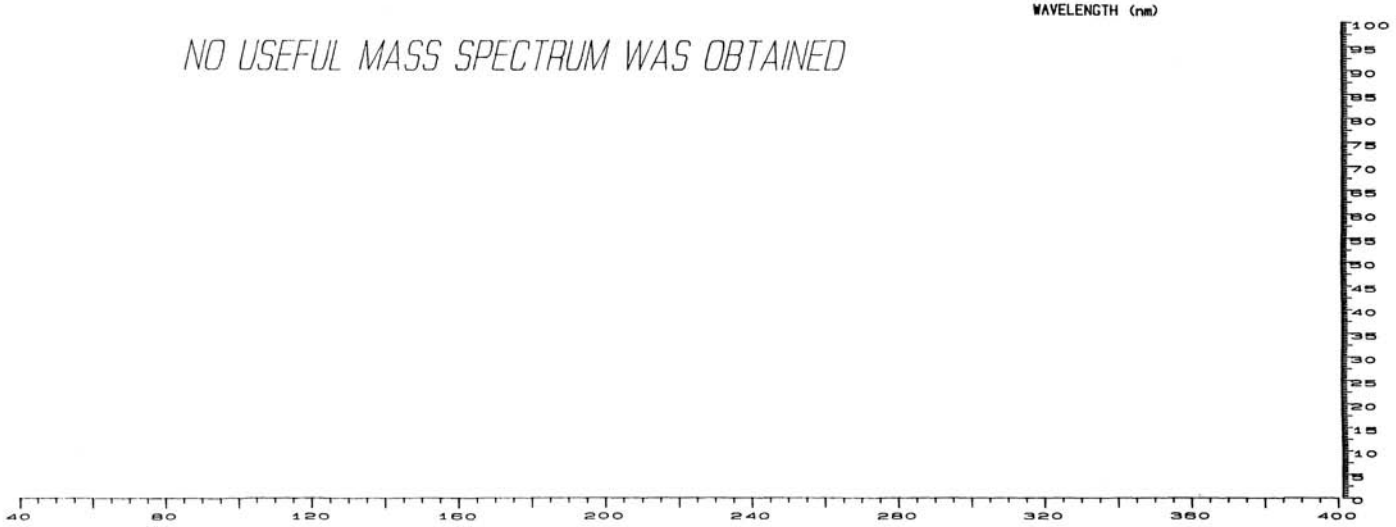
Molecular weight: 260.07 (259.98)

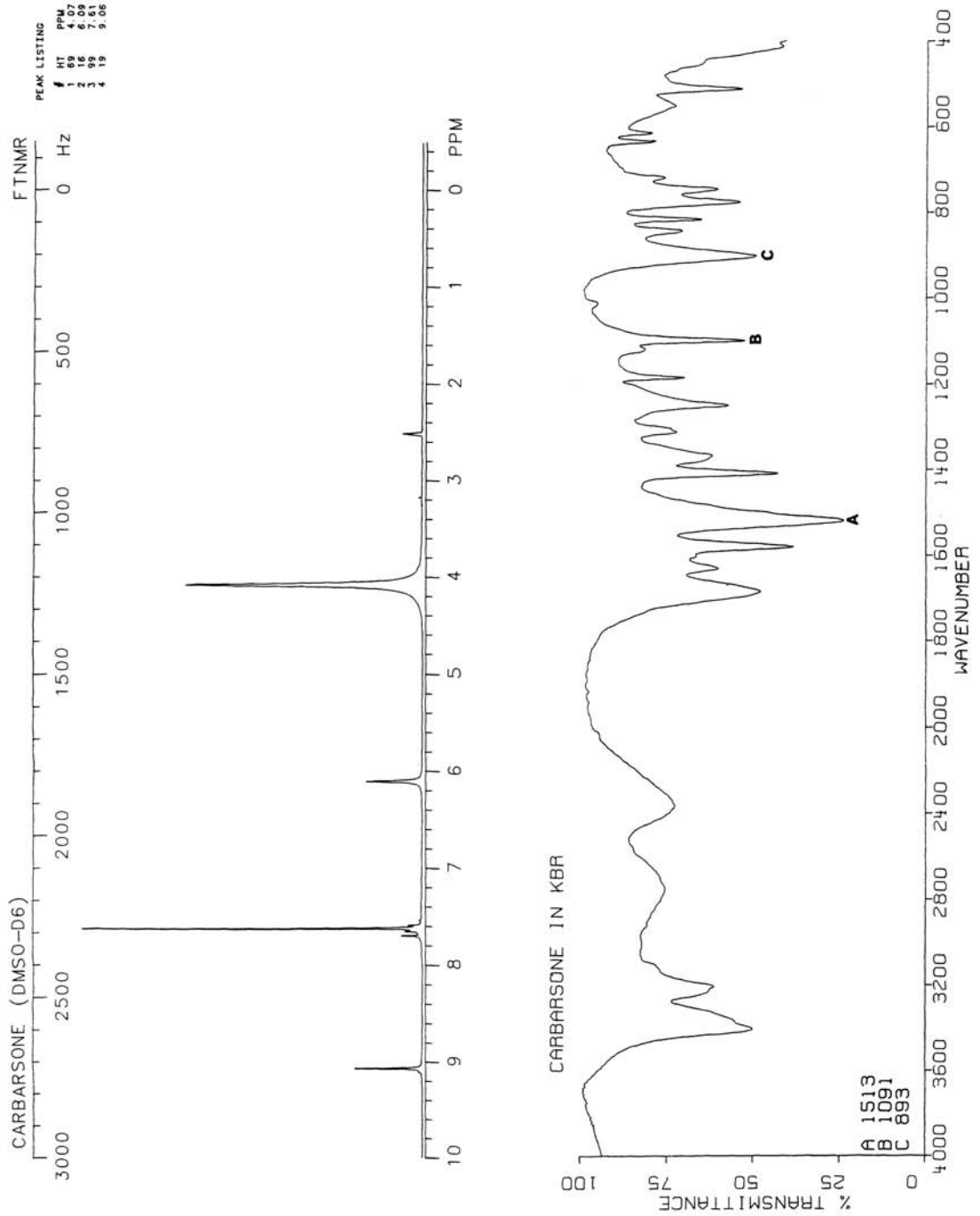
Synonyms: [4-[(Aminocarbonyl)amino]phenyl]arsonic acid; N-carbamoylarsanilic acid; N-carbamylaranilic acid; aminarsonum; p-arsonophenylurea
Trade names: Amabevan, Ameban, Amibiarson, Aminarsone, Amebarsone, Arsambide, Carb-O-Sep, Histocarb, Fenarsone, Leucarsone
Use: Antiamebic
HPLC: 50A:50C; 1.1
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

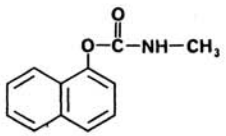


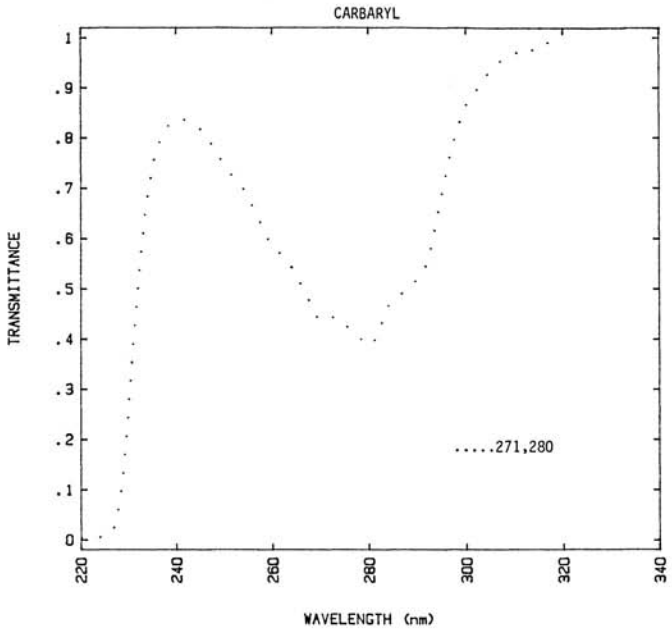

CARBARSONE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 89 4.07
2 16 7.69
3 99 7.81
4 19 9.06
CARBARSONE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1513
B 1091
C 893
A
B
C

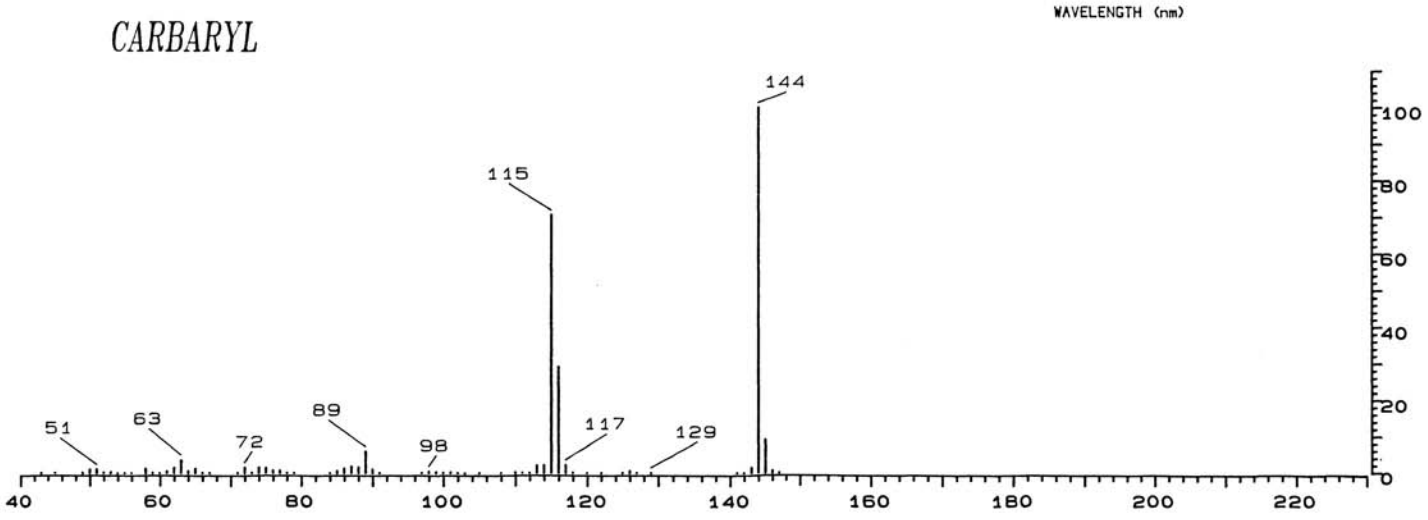
CARBARYL

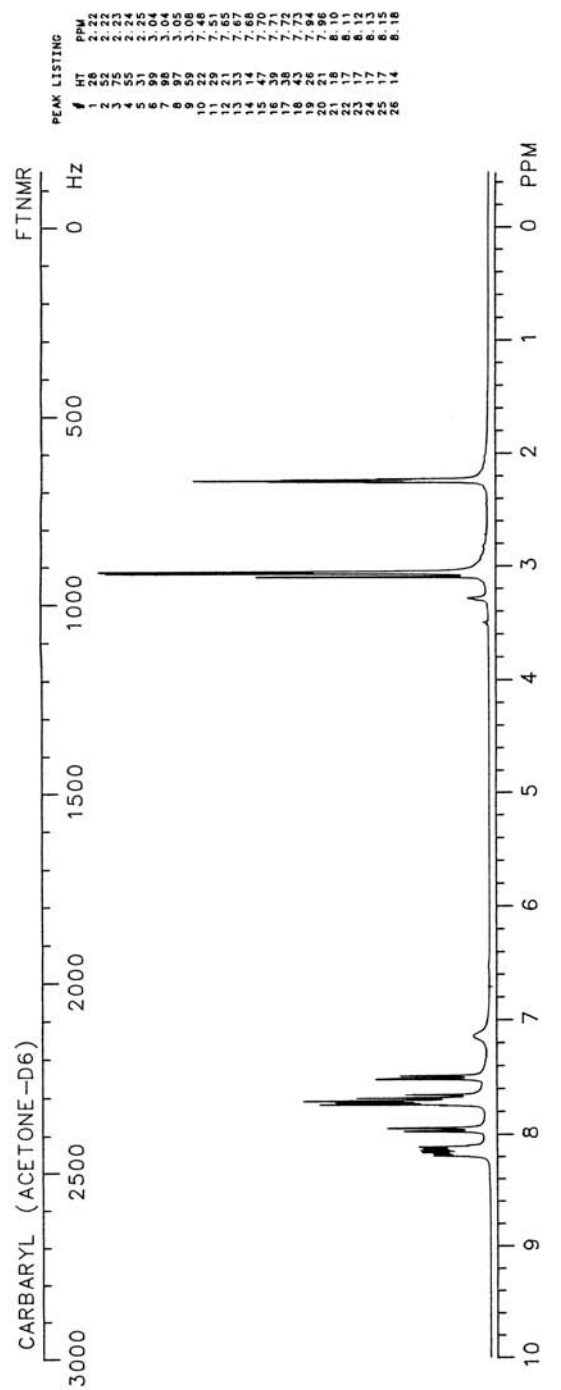
$C_{12}H_{11}NO_2$

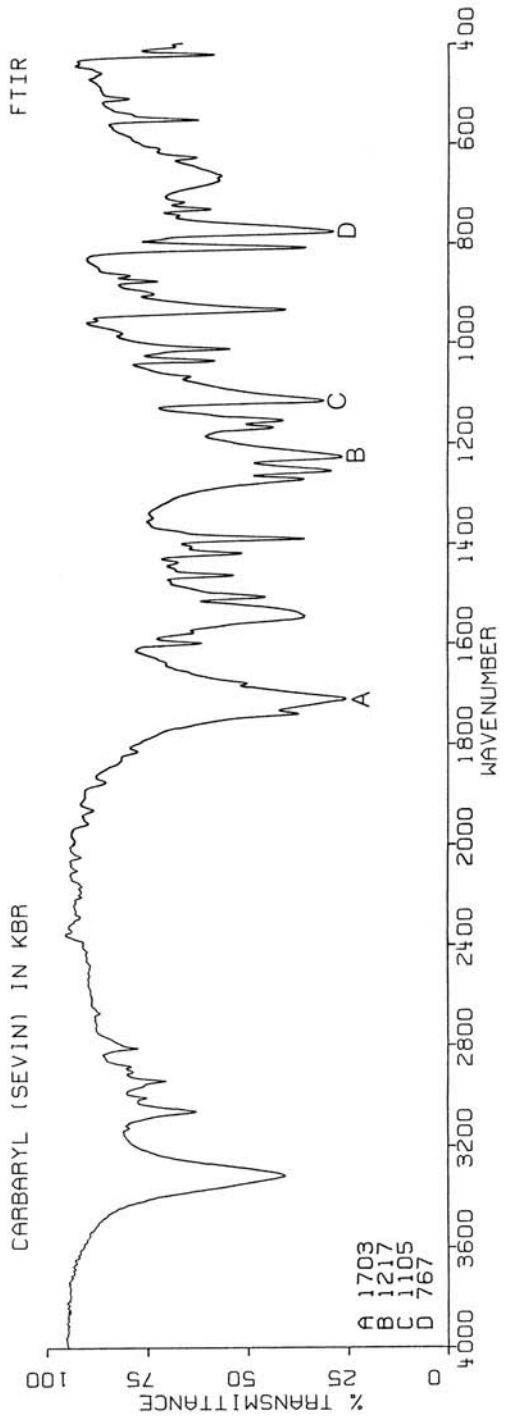
Molecular weight: 201.22 (201.08)
Synonyms: 1-Naphthalenol methylcarbamate; methyl carbamic acid 1-naphthyl ester, carbaril
Trade names: Arylam, Carylderm, Derbac, Dicarbam, Murvin, Ravyon, Seffein Sevin, Suleo-C
Use: Insecticide
HPLC: Si-10; 2A:98B; 4.0
GC:








CARBARYL (ACETONE-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 28 2.22
2 52 2.23
3 75 2.23
4 55 2.24
5 31 2.25
6 99 3.04
7 98 3.04
8 97 3.05
9 59 3.08
10 22 7.46
11 22 7.51
12 21 7.65
13 33 7.67
14 14 7.68
15 47 7.70
16 39 7.71
17 38 7.71
18 43 7.73
19 26 7.94
20 21 7.96
21 18 8.10
22 17 8.11
23 17 8.12
24 17 8.13
25 17 8.15
26 14 8.18

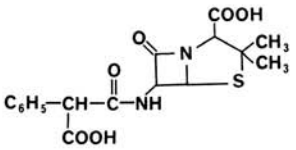

CARBARYL (SEVIN) IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1703
B 1217
C 1105
D 767
A
B
C
D

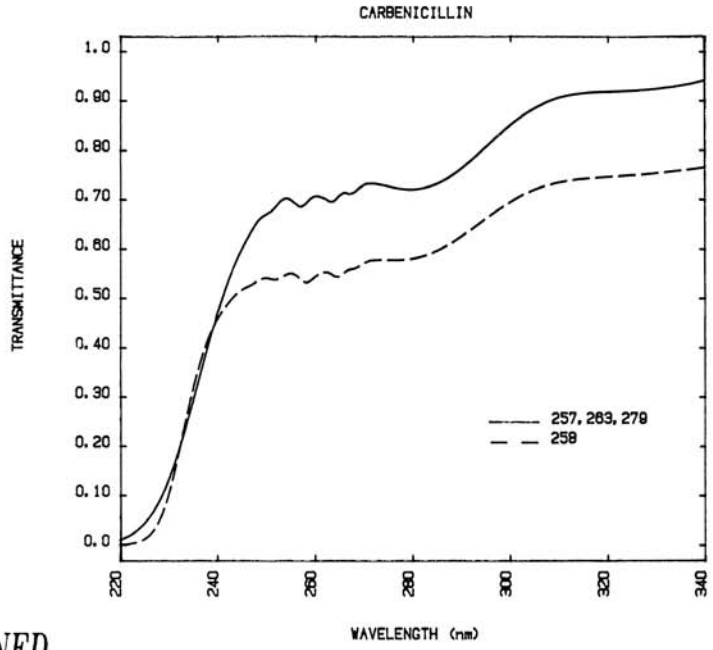
CARBENICILLIN

$C_{17}H_{18}N_2O_6S$

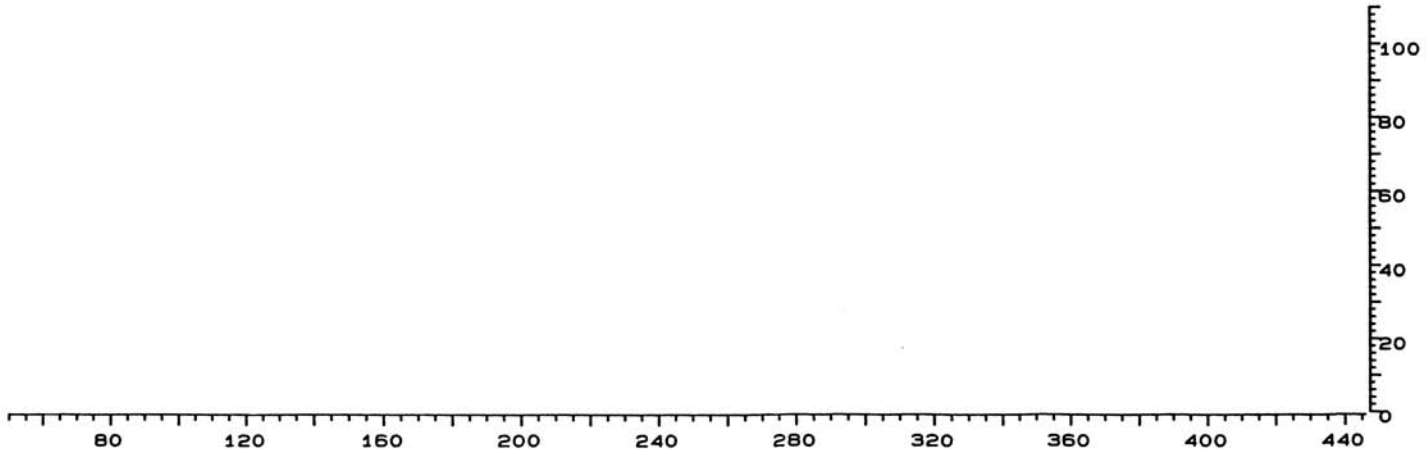
Molecular weight: 378.40 (378.09)
Synonyms: N-(2-Carboxy-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-hept-6-yl)-2-phenylmalonamic acid; α-carboxybenzylpenicillin
Trade names: Geocillin, Geopen

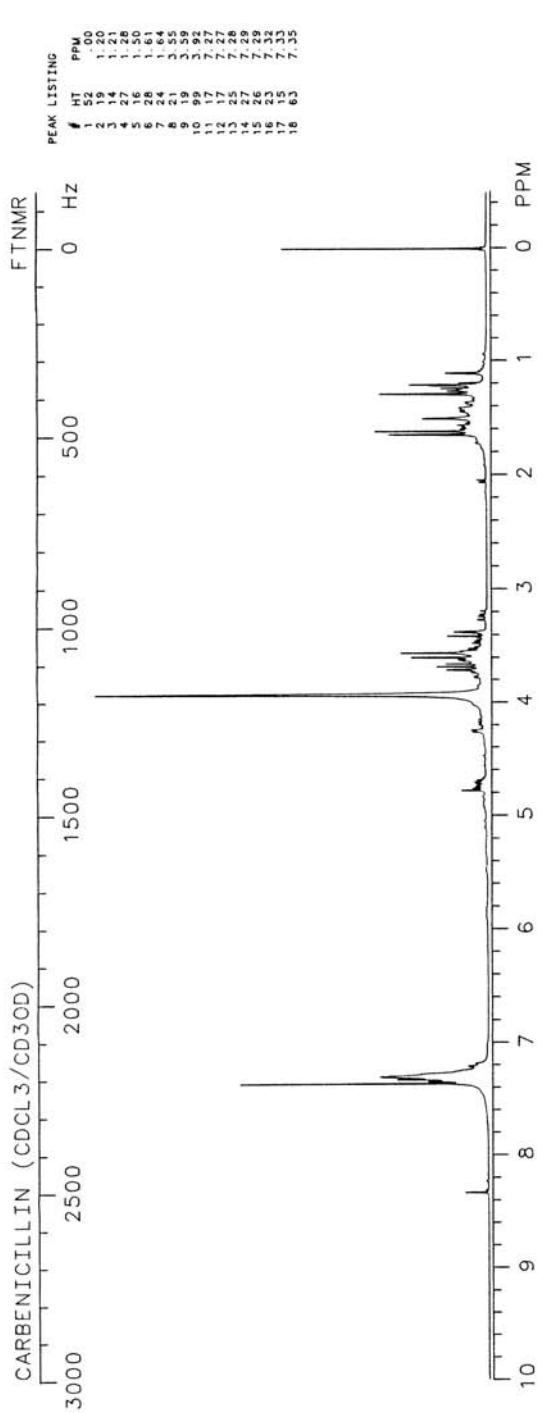
Use: Antibacterial
HPLC:
GC:

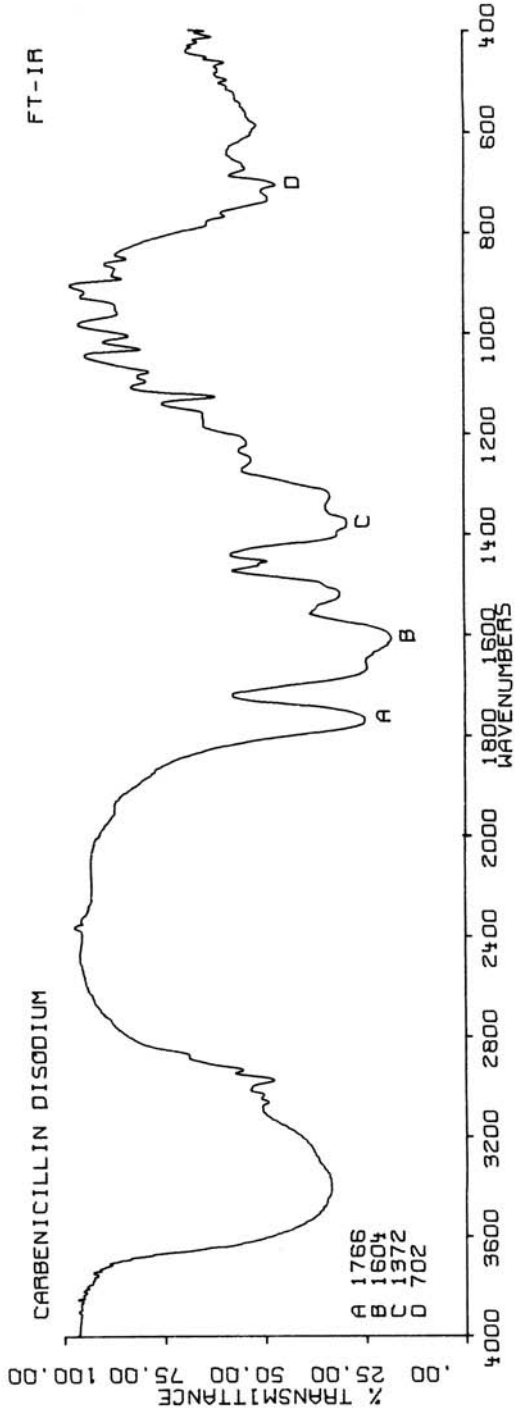




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
CARBENICILLIN (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 52 .00
2 19 1.20
3 14 1.21
4 27 1.28
5 16 1.50
6 28 1.61
7 24 1.64
8 21 3.55
9 19 3.59
10 99 3.62
11 17 7.27
12 17 7.27
13 25 7.28
14 27 7.29
15 26 7.29
16 23 7.31
17 15 7.33
18 63 7.35


FT-IR
CARBENICILLIN DISODIUM
A 1766
B 1604
C 1372
D 702
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CARBETAPENTANE

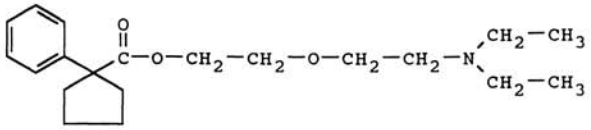
$C_{20}H_{31}NO_3$

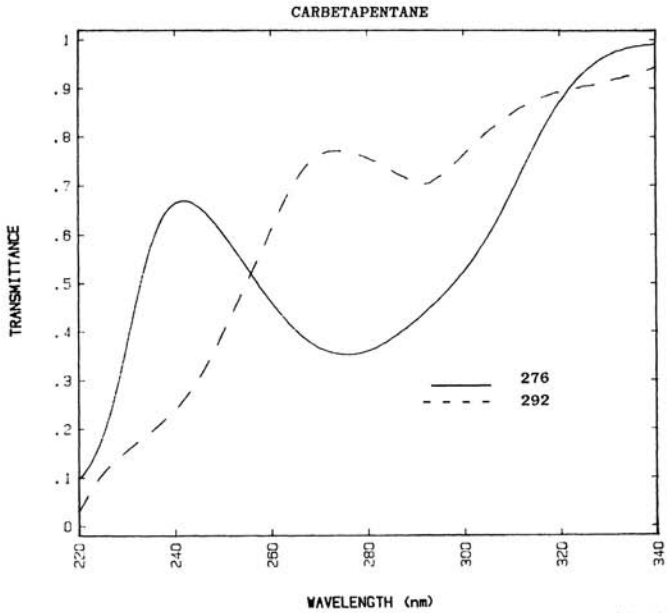
Molecular weight: 333.46 (333.23)

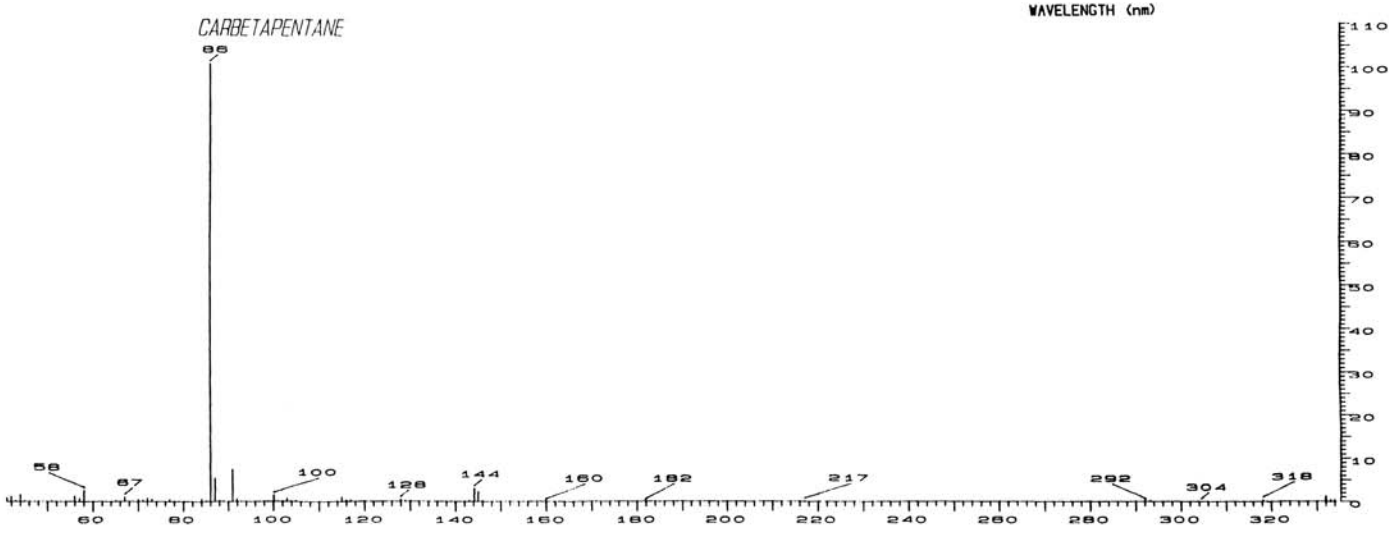
Synonyms: 1-Phenylcyclopentanecarboxylic acid 2-(2-diethylaminoethoxy)ethyl-ester; pentoxyverine, pentoxiverin

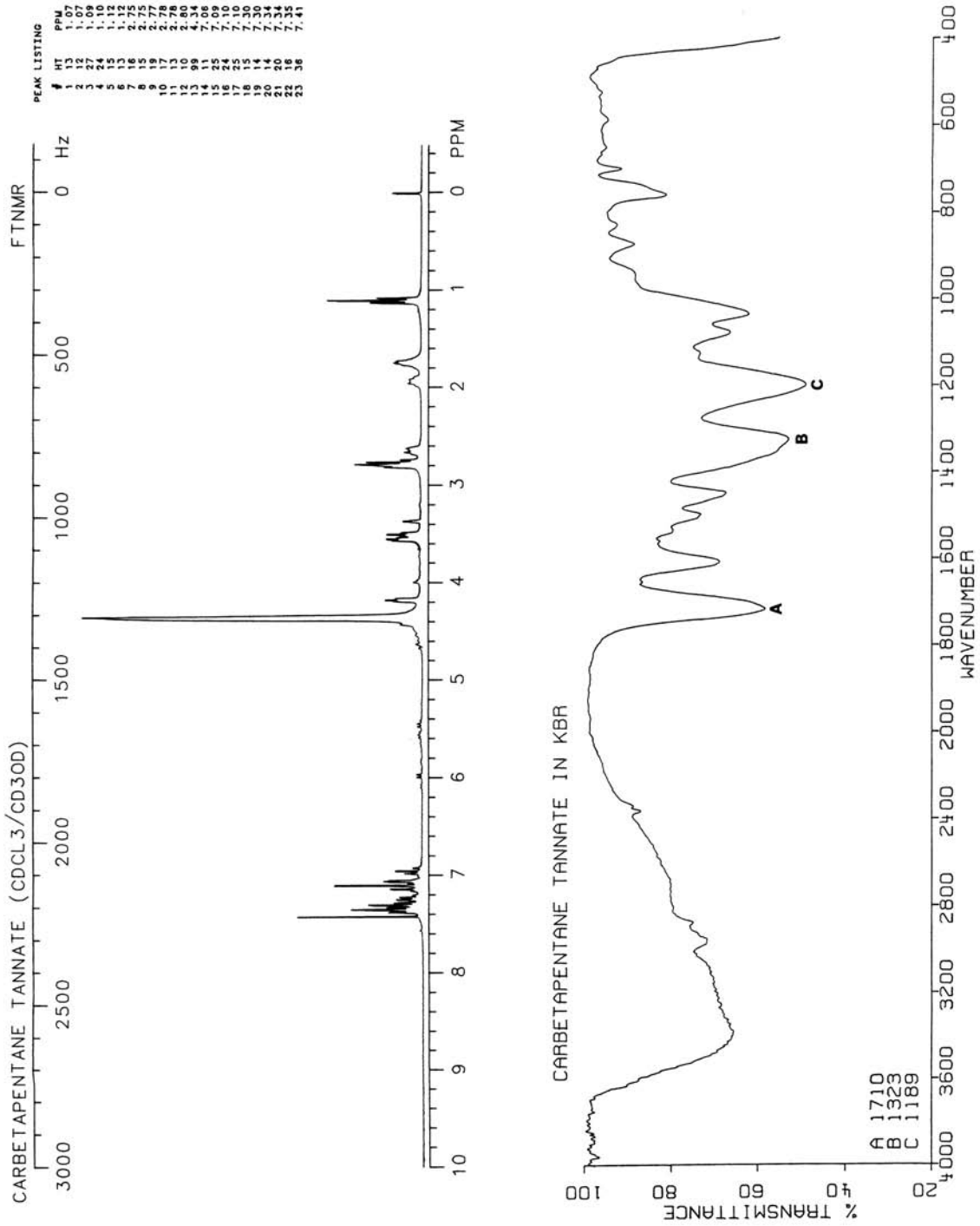
Trade names:

Use: Antitussive
HPLC: 90A:10B; 2.0
GC: 2320; 280°







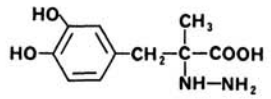

CARBETAPENTANE TANNATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 13 1.07
2 12 1.08
3 27 1.09
4 24 1.10
5 15 1.12
6 13 1.12
7 16 2.75
8 15 2.75
9 19 2.77
10 17 2.78
11 13 2.78
12 10 2.80
13 99 4.34
14 11 7.08
15 25 7.09
16 24 7.10
17 25 7.30
18 15 7.30
19 14 7.34
20 14 7.34
21 20 7.35
22 16 7.41
23 36
CARBETAPENTANE TANNATE IN KBR
A
B
C
A 1710
B 1323
C 1189
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

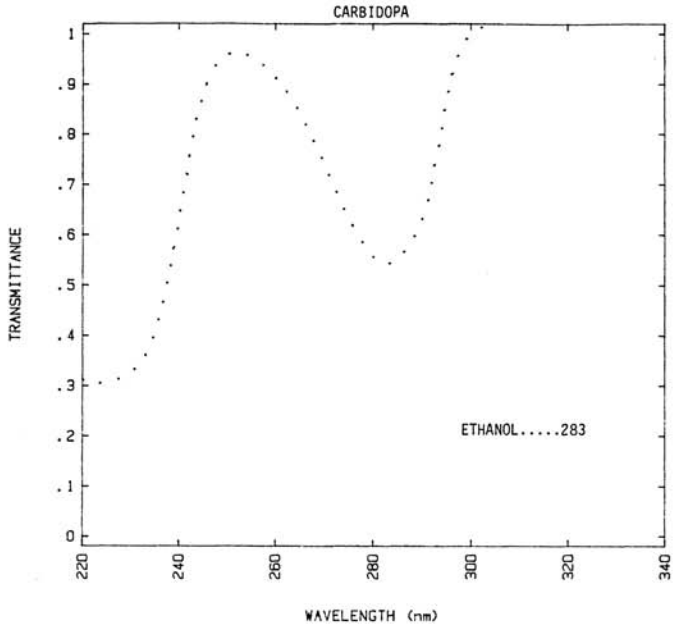
CARBIDOPA

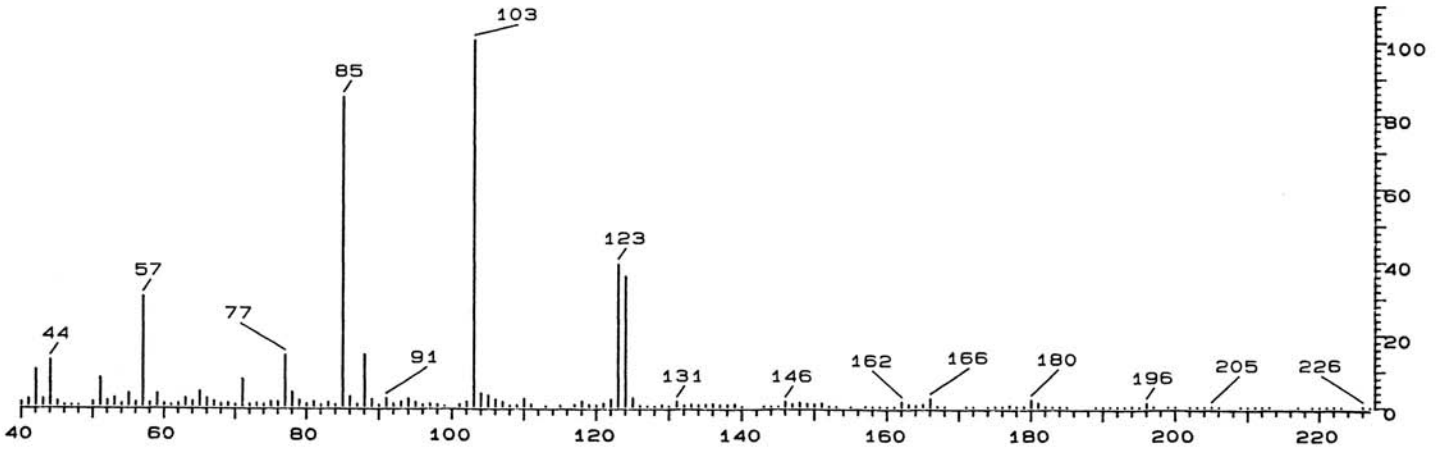
$C_{10}H_{14}N_2O_4$

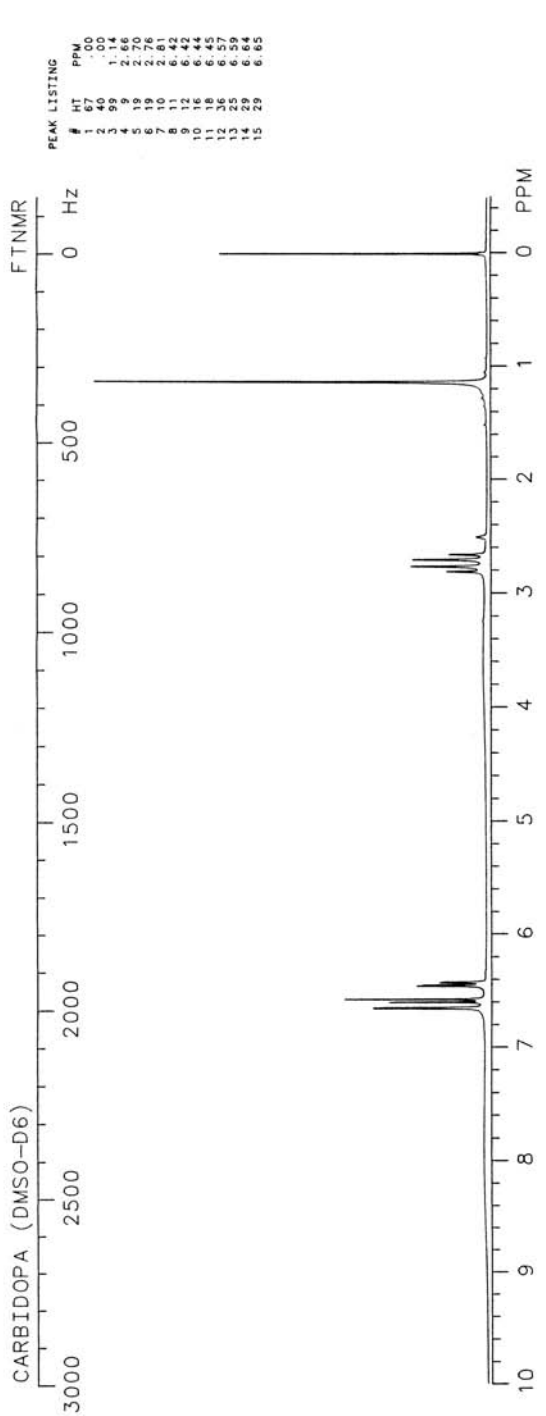
Molecular weight: 226.23 (226.10)
Synonyms: S-α-Hydrazino-3,4-dihydroxy-α-methylbenzenepropanoic acid;
(-)-L-α-Methyldopa Hydrazine
Trade names: Loposin; Lodosyn; Sinemet

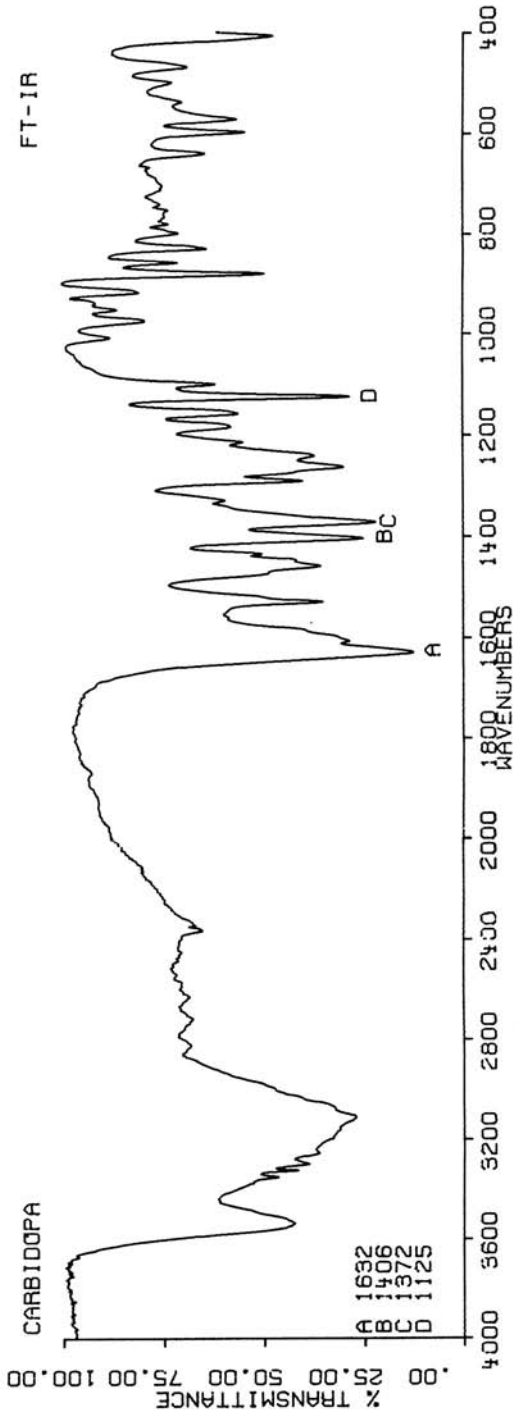
Use: Anti-parkinsonism
HPLC:
GC:








FTNMR
CARBIDOPA (DMSO-D6)
PEAK LISTING
HT PPM
1 67 .00
2 40 .00
3 49 1.14
4 9 2.66
5 19 2.70
6 19 2.76
7 10 2.81
8 11 6.42
9 12 6.44
10 16 6.45
11 18 6.57
12 36 6.59
13 25 6.64
14 29 6.65
15 29 6.65
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

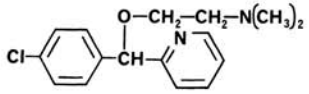

FT-IR
CARBIDOPA
A 1632
B 1406
C 1372
D 1125
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
BC
D

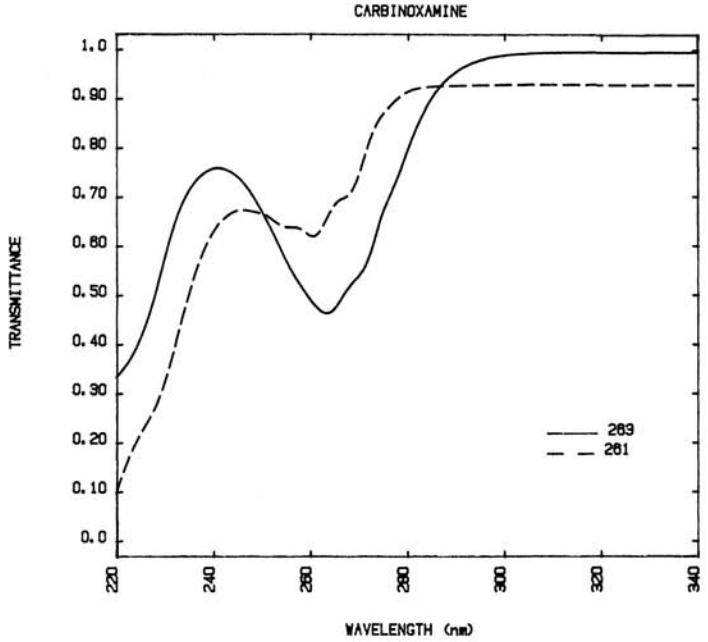
CARBINOXAMINE

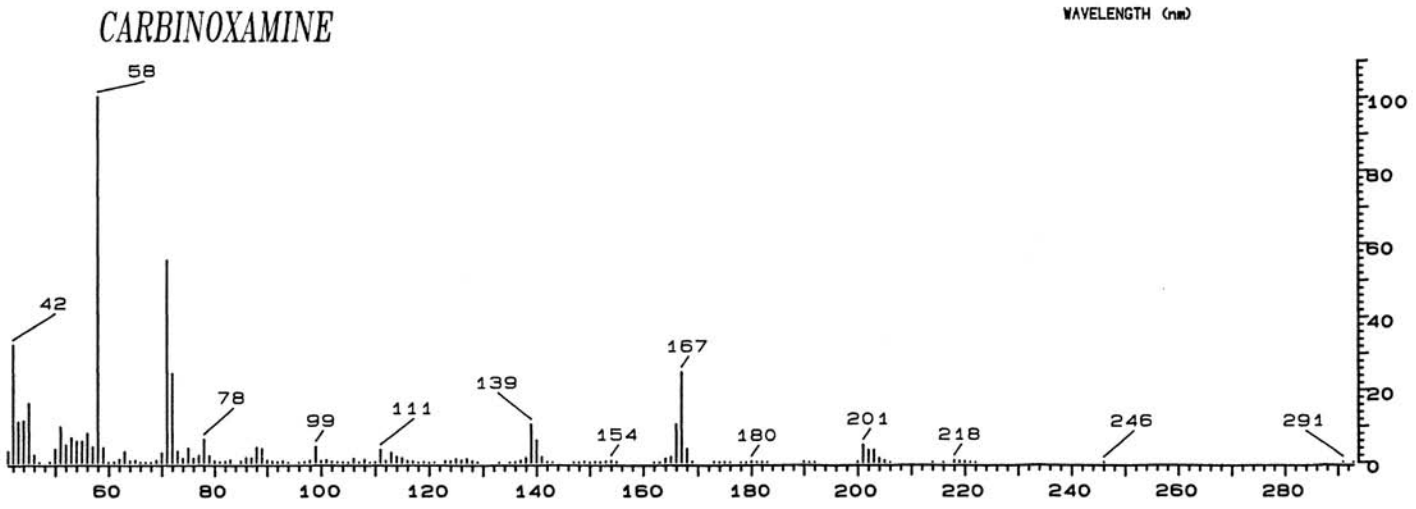
$C_{16}H_{19}ClN_2O$

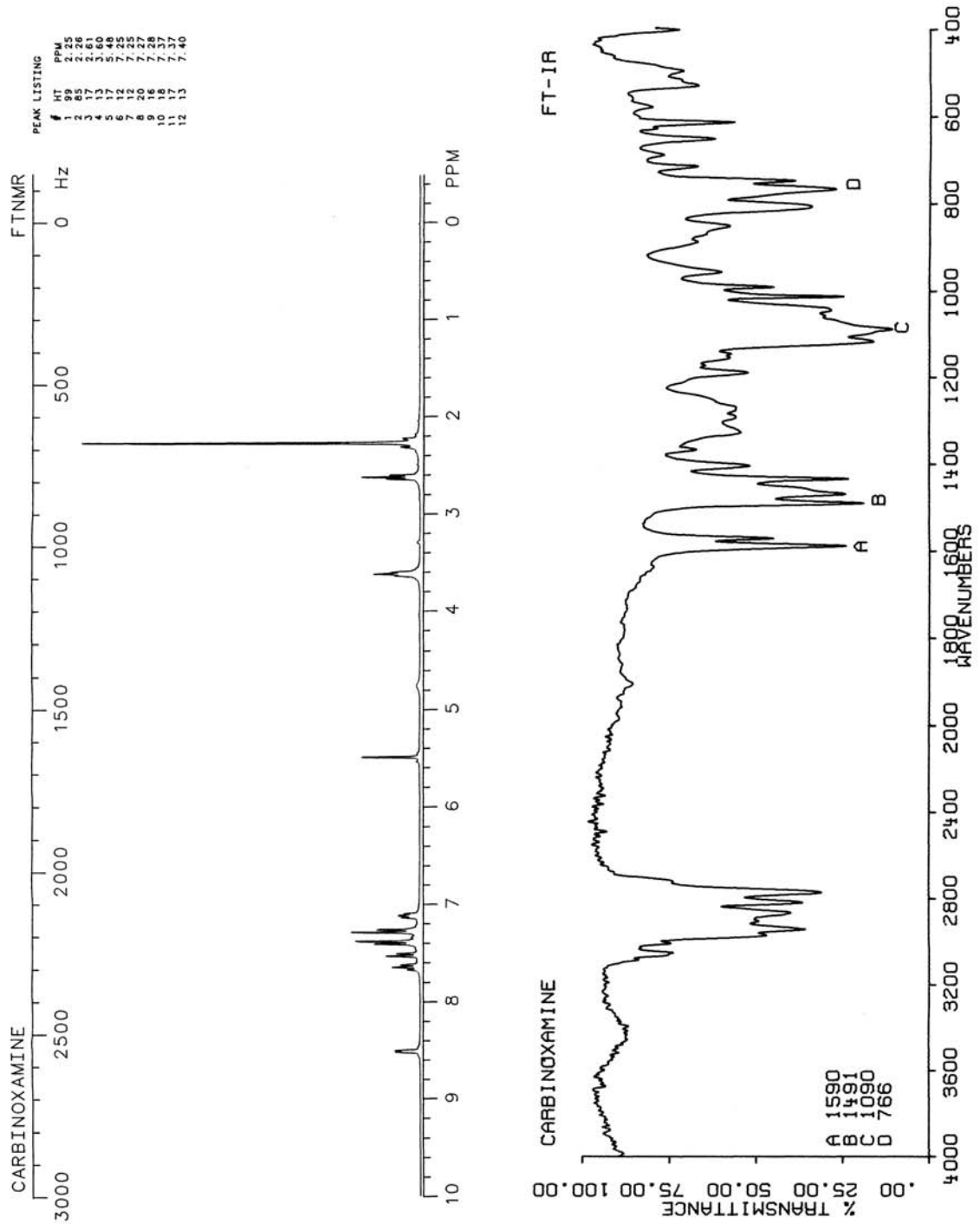
Molecular weight: 290.79 (290.12)
Synonyms: 2-[(4-Chlorophenyl)-2-pyridinylmethoxy]-N,N-dimethylethanamine; paracarbinoxamine
Trade names: Brexin, Rondec

Use: Antihistaminic
HPLC: Si-10; 20A:80B; 4.0
GC: 2103; 250°C







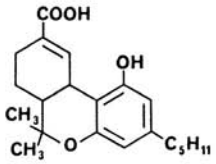

CARBINOXAMINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
f HT PPM
1 99 2.25
2 85 2.26
3 17 2.61
4 13 3.60
5 17 5.48
6 12 7.25
7 12 7.25
8 20 7.27
9 16 7.28
10 18 7.37
11 17 7.37
12 13 7.40
CARBINOXAMINE
FT-IR
A 1590
B 1491
C 1090
D 766
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

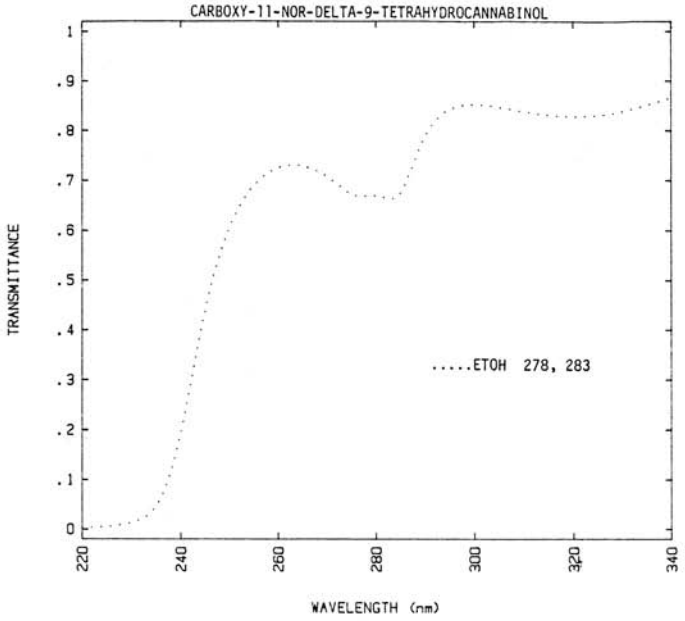
9-CARBOXY-11-NOR-DELTA-9-TETRAHYDROCANNABINOL

$C_{21}H_{28}O_4$

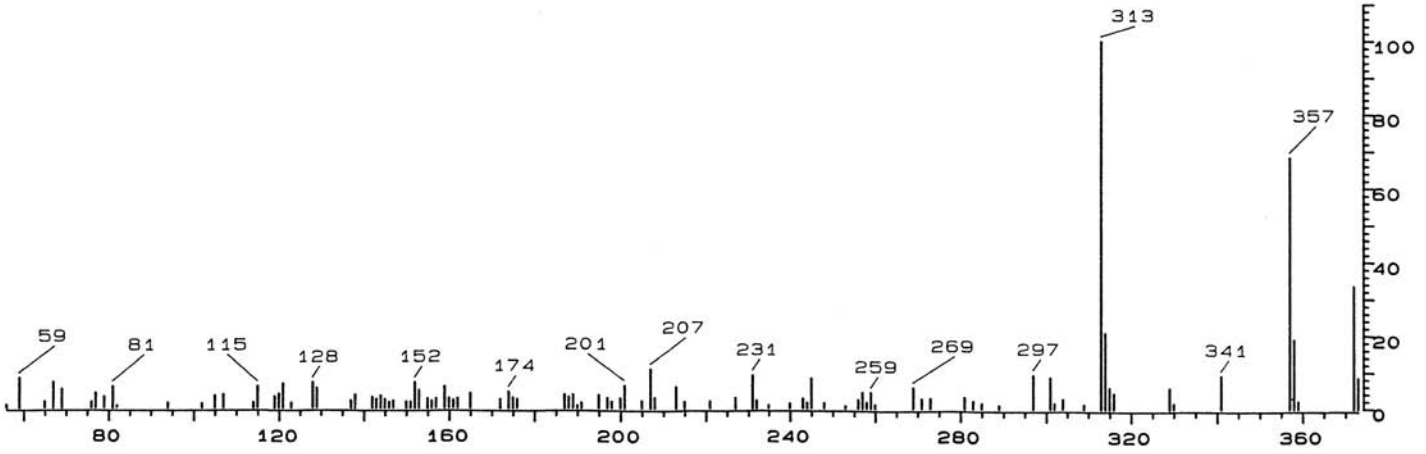
Molecular weight: 344.45 (344.20)
Synonyms: Tetrahydro-6,6-dimethyl-3-pentyl-9-carboxy-6H-dibenzo-[b,d]pyran-1-ol
Trade names:

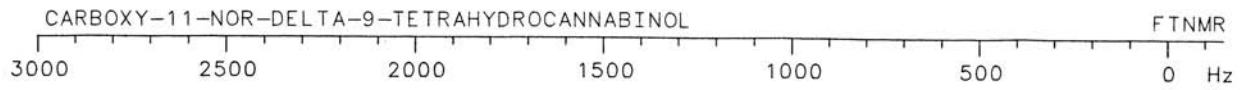
Use: Urinary metabolite of THC
HPLC: Si-10; 2A:98B; 3.2
GC:



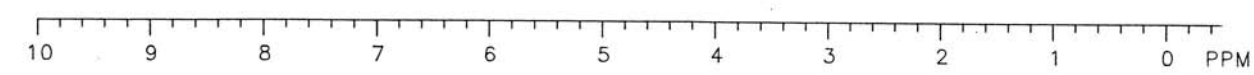


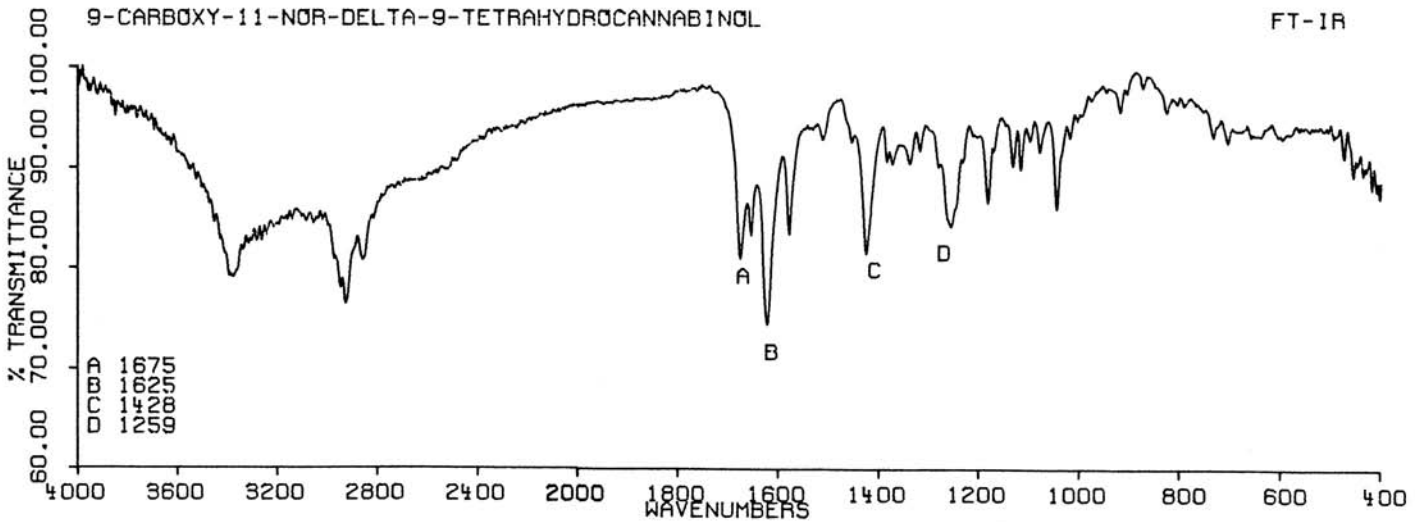
9-CARBOXY-11-NOR-DELTA-9-TETRAHYDROCANNABINOL DIMETHY DERIVATIVE





INSUFFICIENT SAMPLE



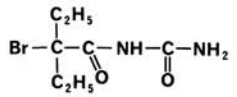


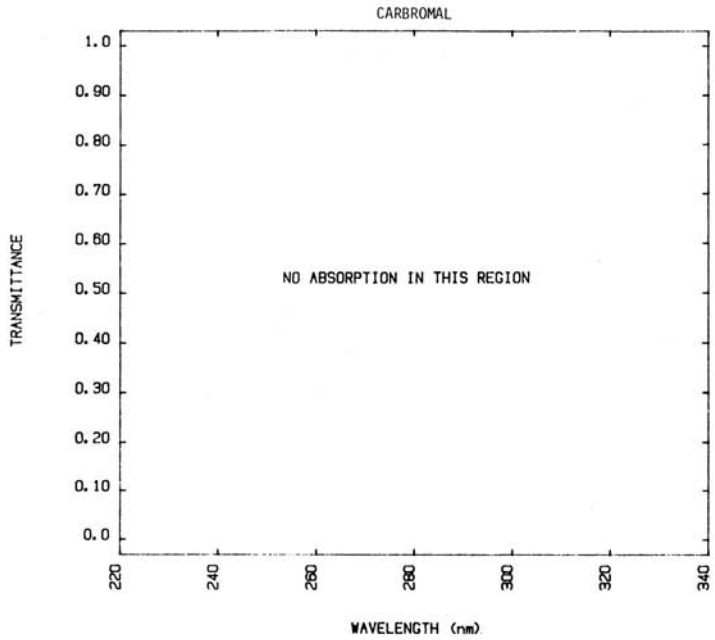
CARBROMAL

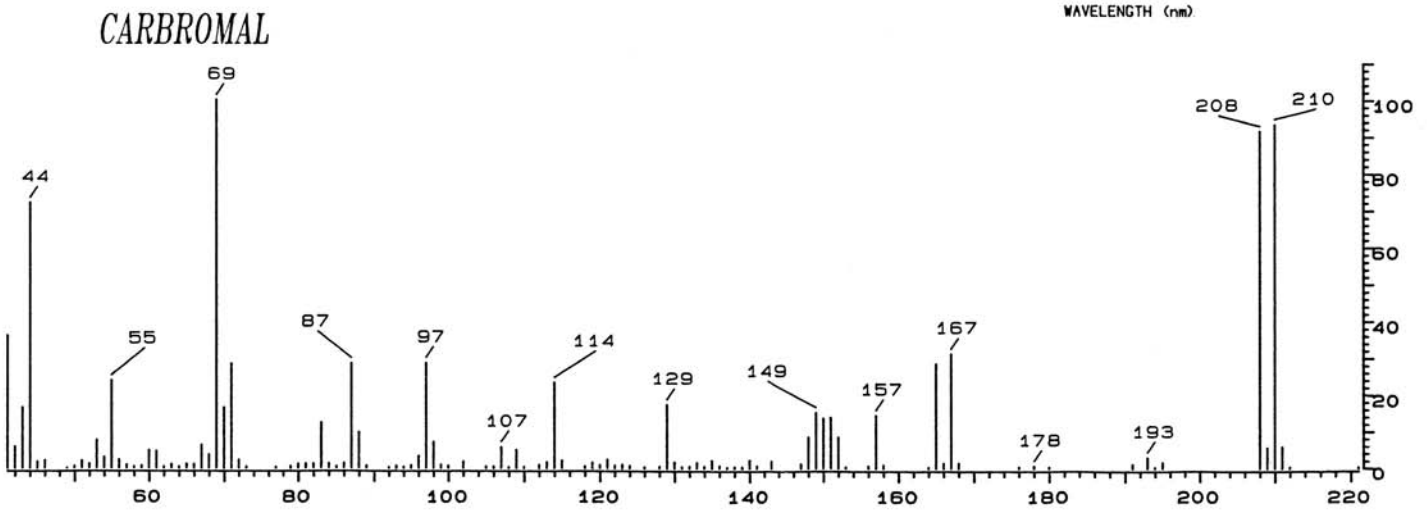
$C_7H_{13}BrN_2O_2$

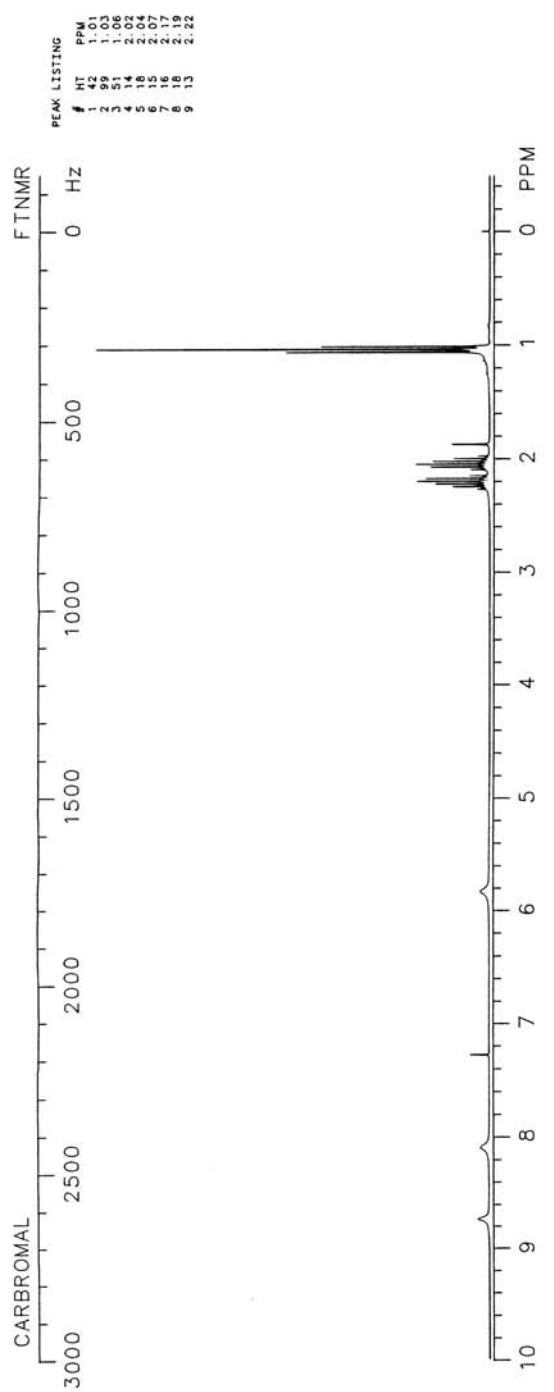
Molecular weight: 237.10 (236.02)
Synonyms: N-(Aminocarbonyl)-2-bromo-2-ethylbutanamide;
(α-bromo-α-ethylbutyryl)urea
Trade names: Carbrital

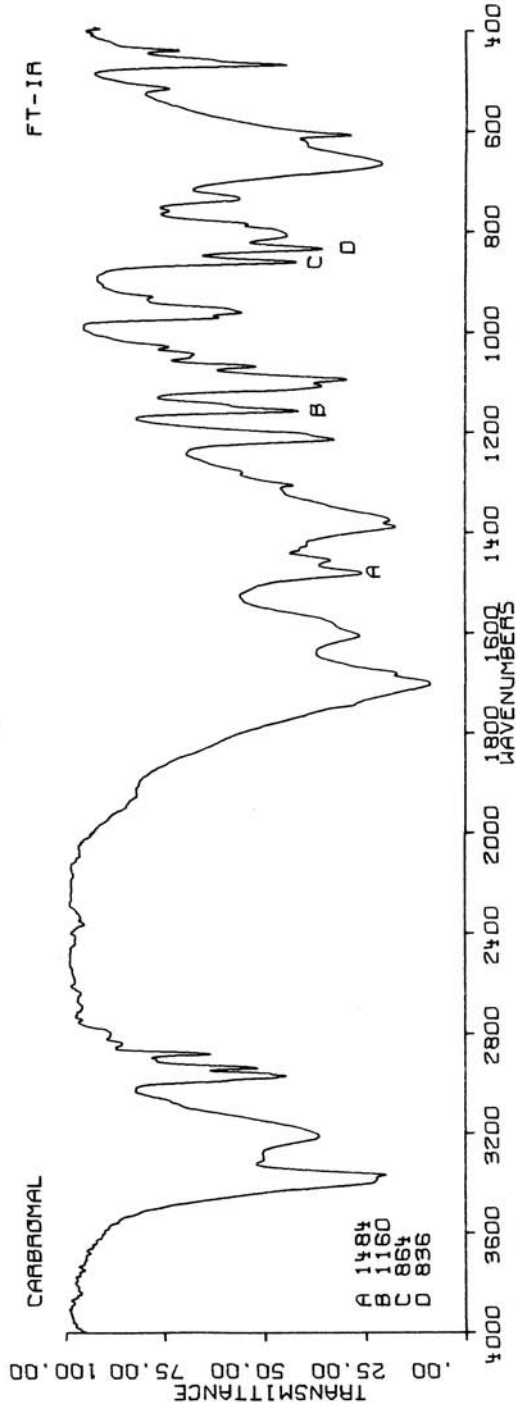
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 6.0
GC: 1492; 200°C








CARBROMAL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 42 1.01
2 99 1.03
3 51 1.06
4 14 2.02
5 18 2.04
6 15 2.07
7 16 2.17
8 19 2.19
9 13 2.22


CARBROMAL
FT-IR
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D
A 1484
B 1160
C 864
D 836

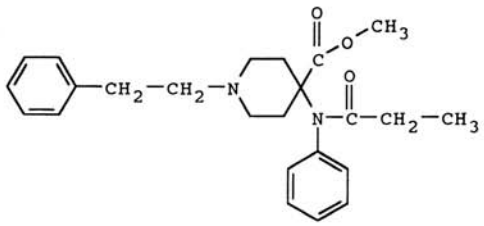
CARFENTANIL

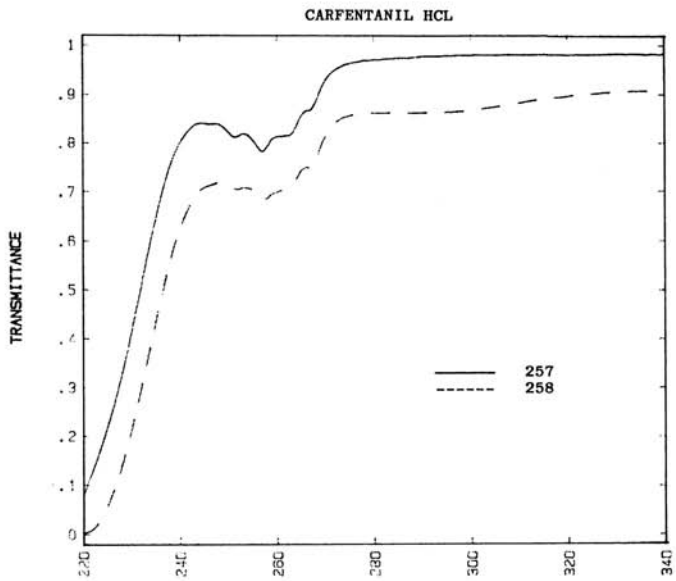
$C_{24}H_{30}N_2O_3$

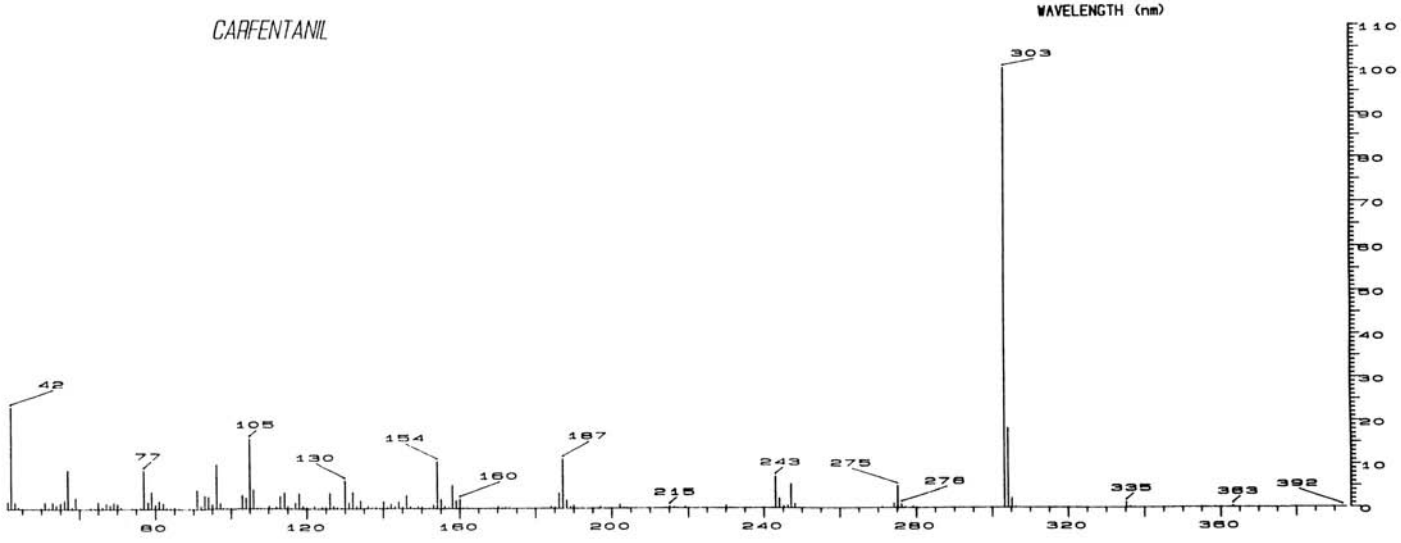
Molecular weight: 394.55 (394.23)

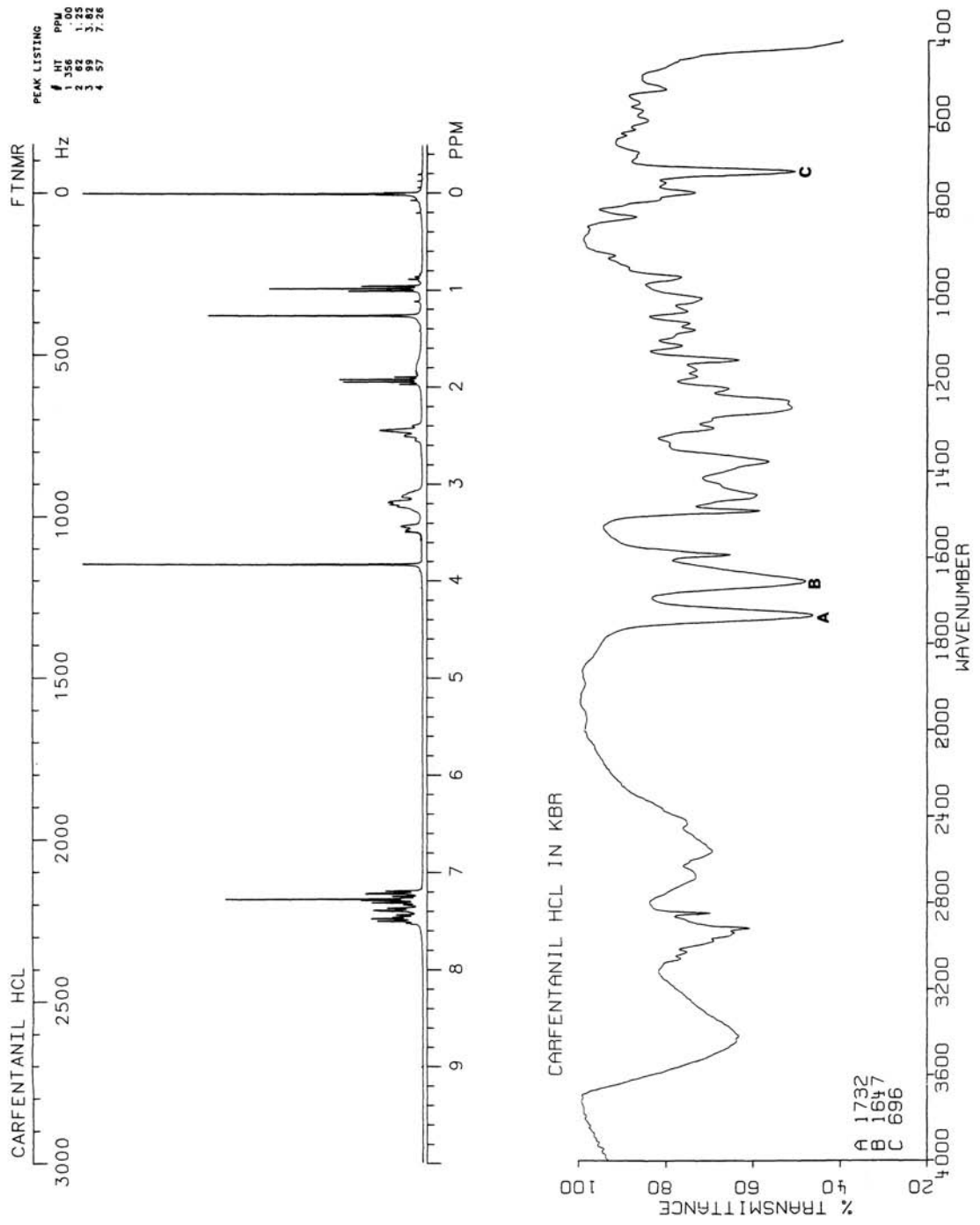
Synonyms: 4-[(1-oxopropyl)phenylamino]-1-(2-phenylethyl)-4-piperidine-carboxylic acid methyl ester
Trade names: Wildnil

Use: Narcotic analgesic
HPLC: 90A:10B; 7.5
GC: 2900; 280°







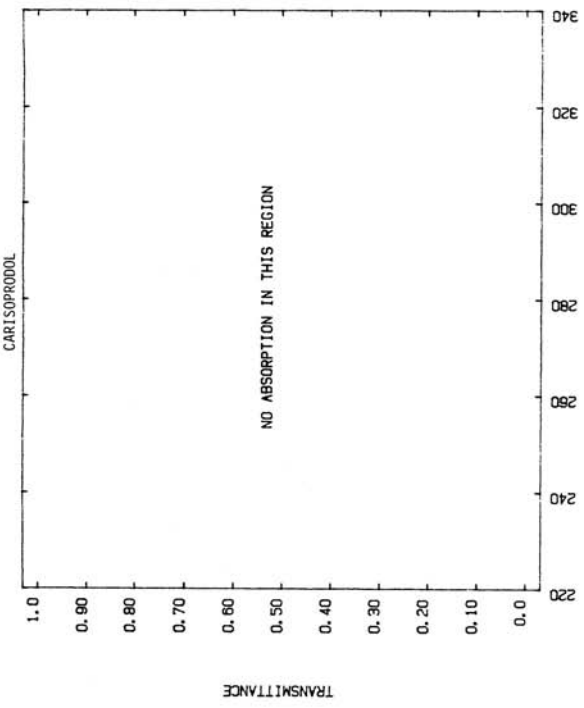

CARFENTANIL HCL
FTNMR
PEAK LISTING
HT PPM
1 356 .00
2 242 1.25
3 99 3.82
4 57 7.26
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
CARFENTANIL HCL IN KBR
A 1732
B 1647
C 696
A
B
C
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

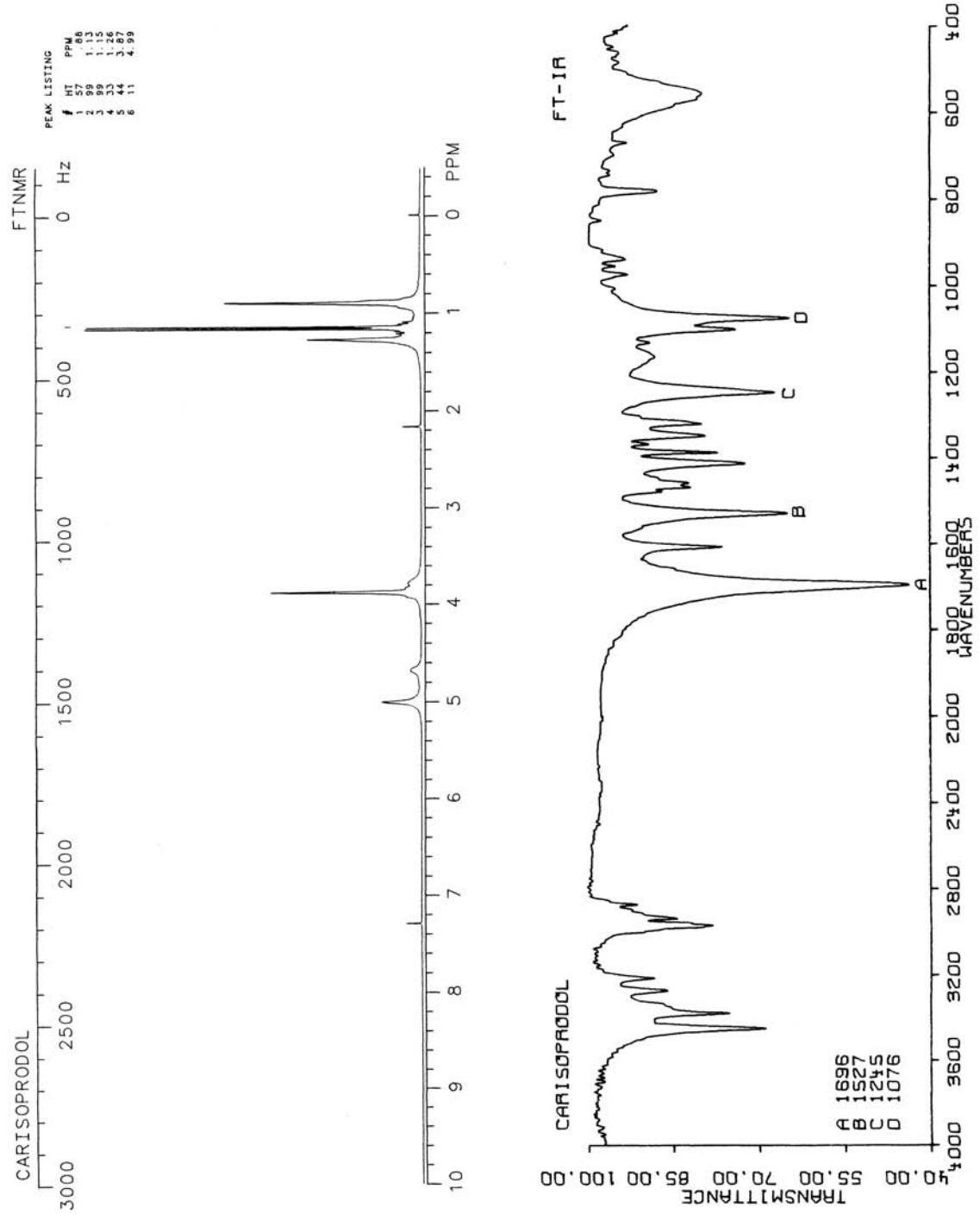
CARISOPRODOL

$C_{12}H_{24}N_2O_4$

Molecular weight: 260.33 (260.17)
Synonyms: (1-Methylethyl)carbamic acid 2-[[(aminocarbonyl)oxy]-methyl]-2-methylpentyl ester; isopropyl meprobamate
Trade names: Carisoprodol, Rela, Soma

Use: Skeletal muscle relaxant
HPLC: Si-10; 2A:98B; 5.3
GC: 1871; 200°C




FTNMR
CARISOPRODOL
PEAK LISTING
HT PPM
1 57 1.08
2 59 1.13
3 99 1.15
4 33 1.26
5 44 3.87
6 11 4.99
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
CARISOPRODOL
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1696
B 1527
C 1245
D 1076
A
B
C
D

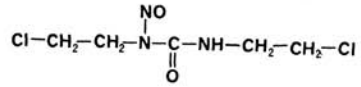
CARMUSTINE

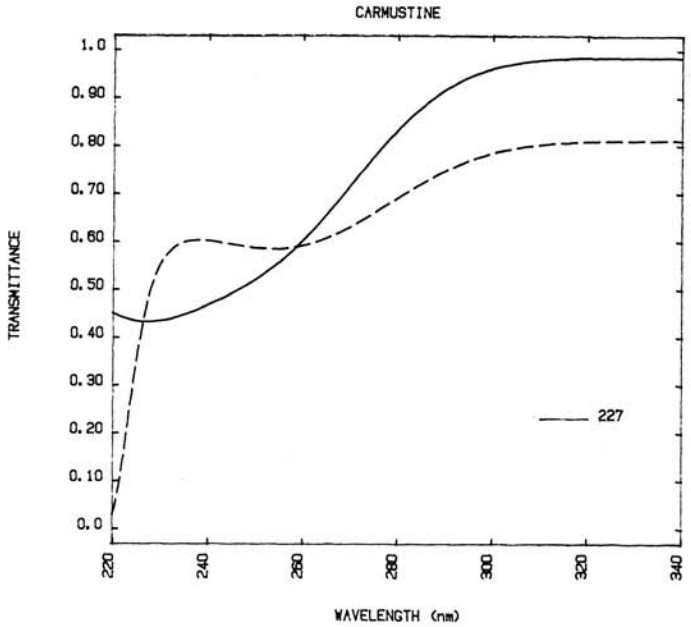
$C_5H_9Cl_2N_3O_2$

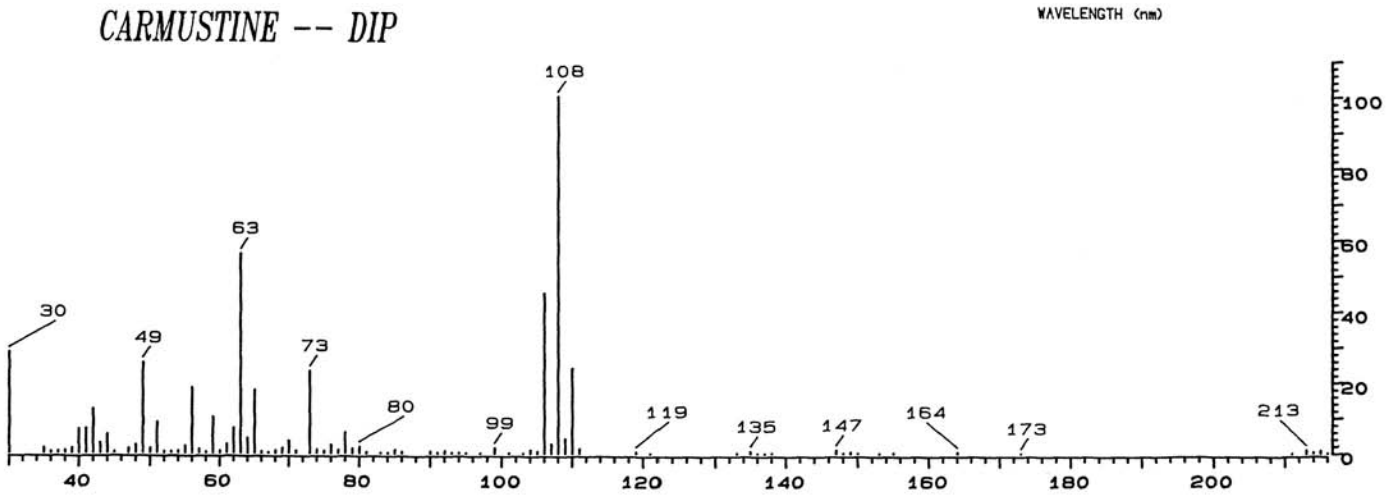
Molecular weight: 214.05 (213.01)
Synonyms: N,N-Bis(2-chloroethyl)-N-nitrosourea; BCNU

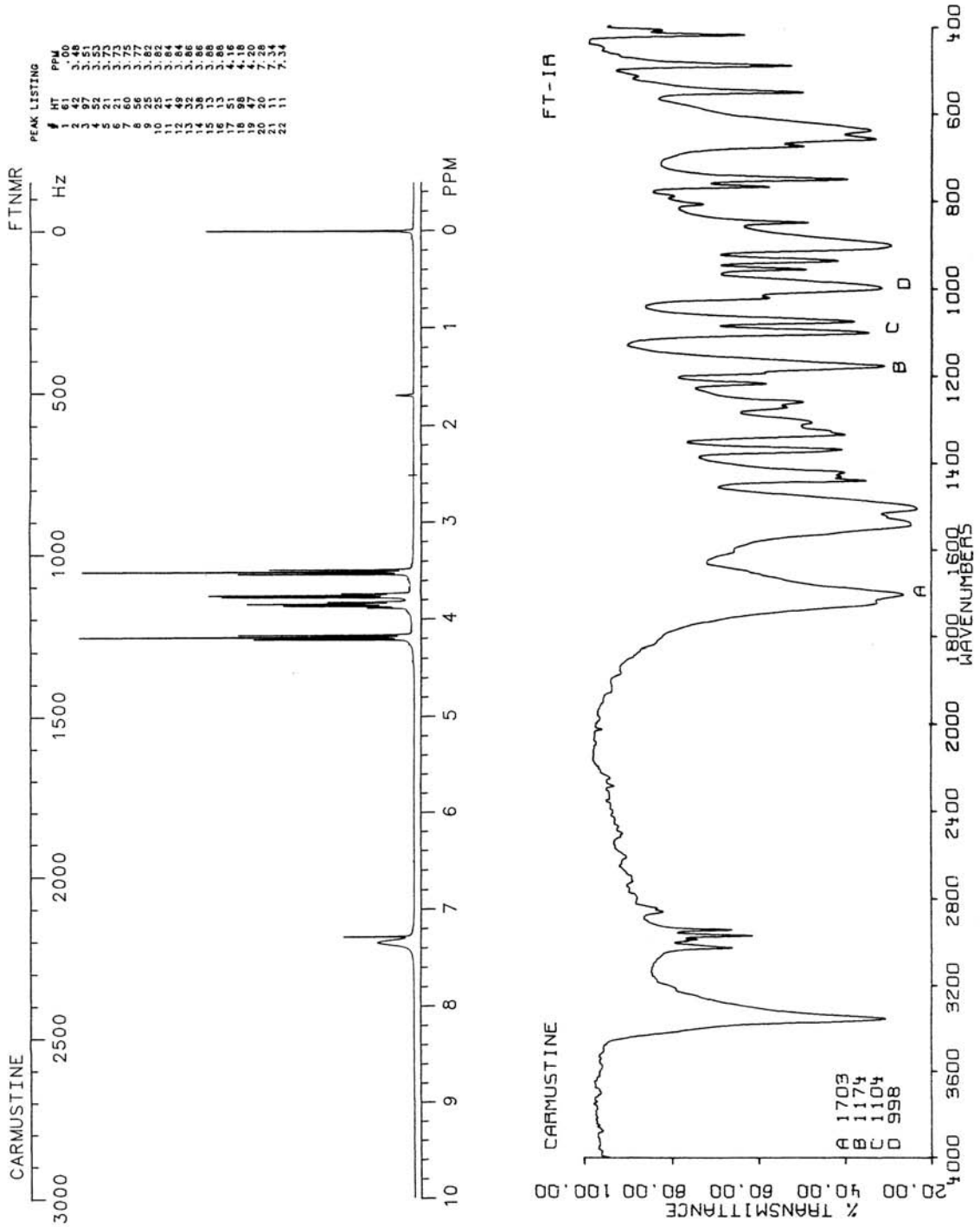
Trade names: BiCNU

Use: Antineoplastic
HPLC:
GC:








CARMUSTINE
FTNMR
PEAK LISTING
HT PPM
1 61 7.00
2 42 3.48
3 97 3.51
4 52 3.53
5 21 3.73
6 21 3.73
7 60 3.75
8 56 3.77
9 25 3.82
10 25 3.82
11 41 3.84
12 49 3.84
13 32 3.86
14 38 3.86
15 13 3.86
16 13 3.86
17 51 4.16
18 98 4.18
19 47 4.20
20 20 7.28
21 11 7.34
22 11 7.34
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CARMUSTINE
FT-IR
A 1703
B 1174
C 1104
D 998
A B C D
100.00 80.00 60.00 40.00 20.00
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

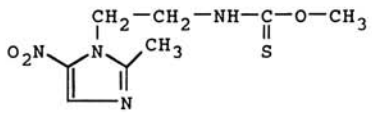
CARNIDAZOLE

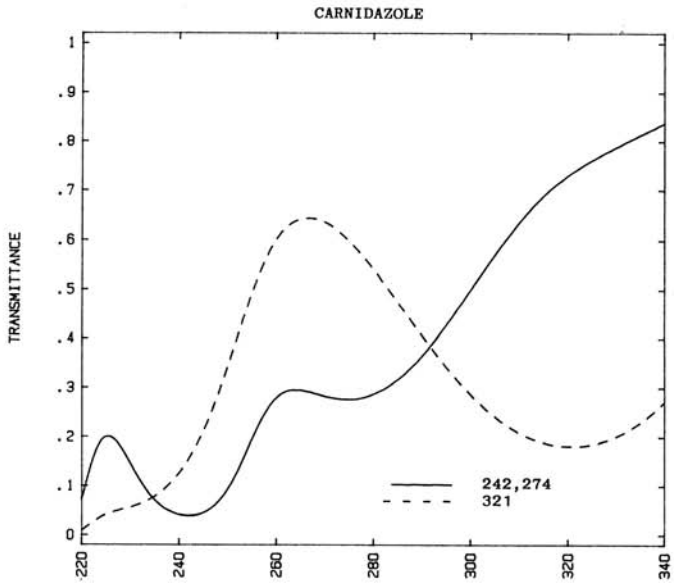
$C_8H_{12}N_4O_3S$

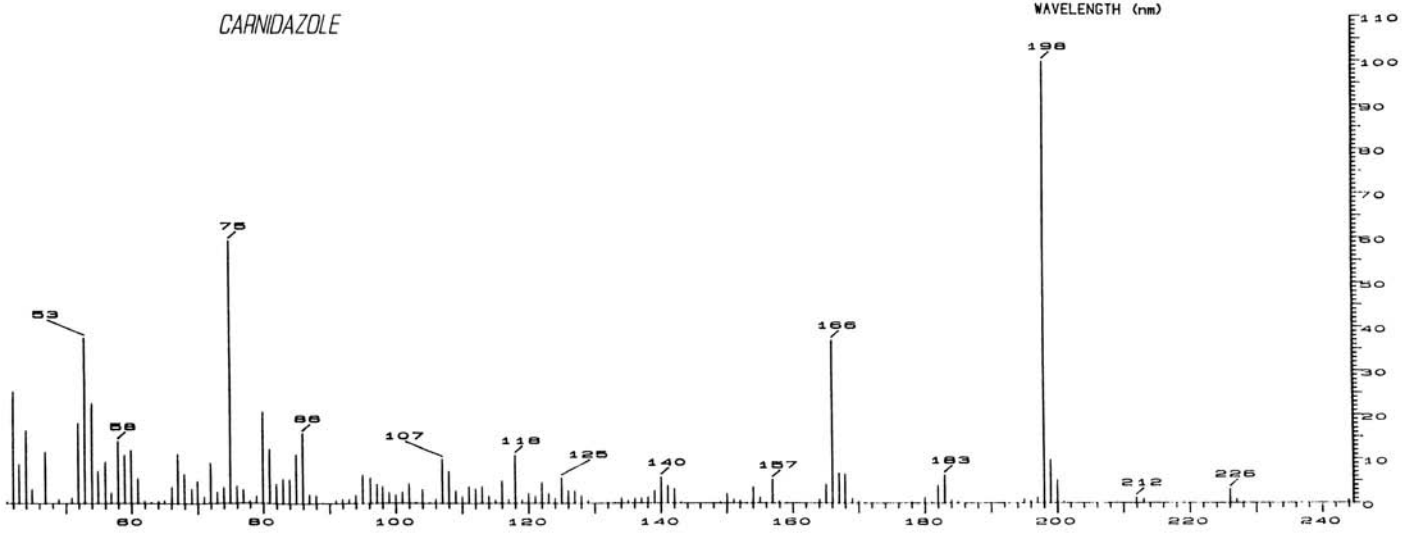
Molecular weight: 244.27 (244.06)

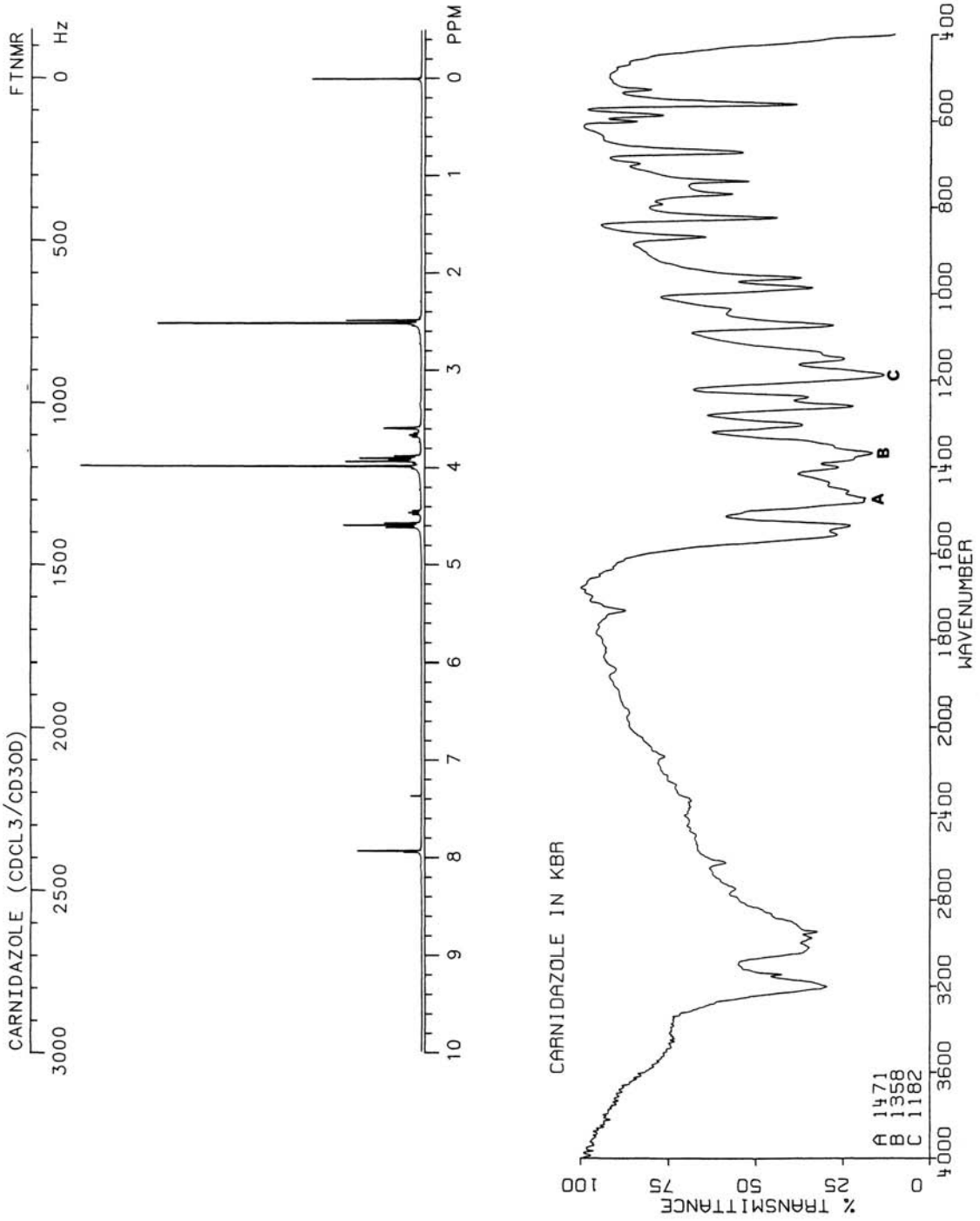
Synonyms: [2-(2-Methyl-5-nitro-1H-imidazol-1-yl)ethyl] carbamothioic acid O-methyl ester
Trade names: Spartrix

Use: Antiprotozoal
HPLC: 70A:30B; 2.3
GC: 2142; 250°








CARNIDAZOLE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CARNIDAZOLE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1471
B 1358
C 1182
A
B
C

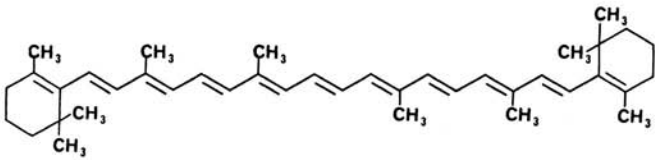
β-CAROTENE

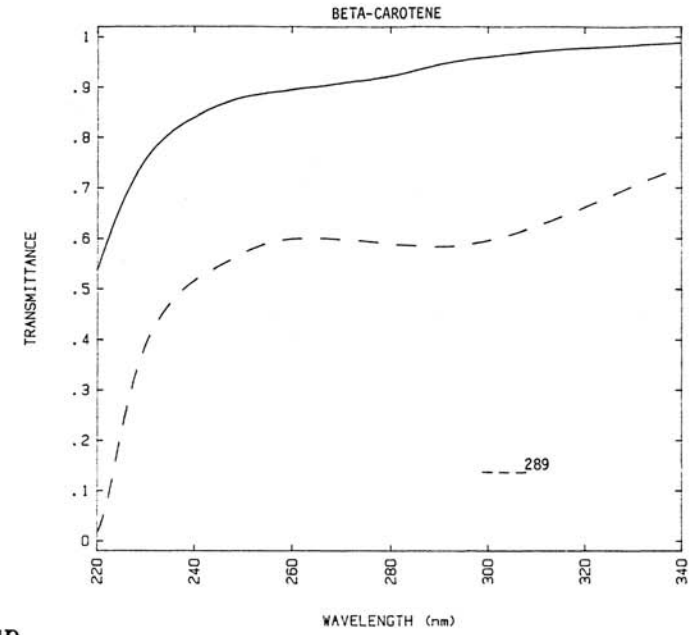
$C_{40}H_{56}$

Molecular weight: 536.85 (536.44)
Synonyms: β,β-Carotene

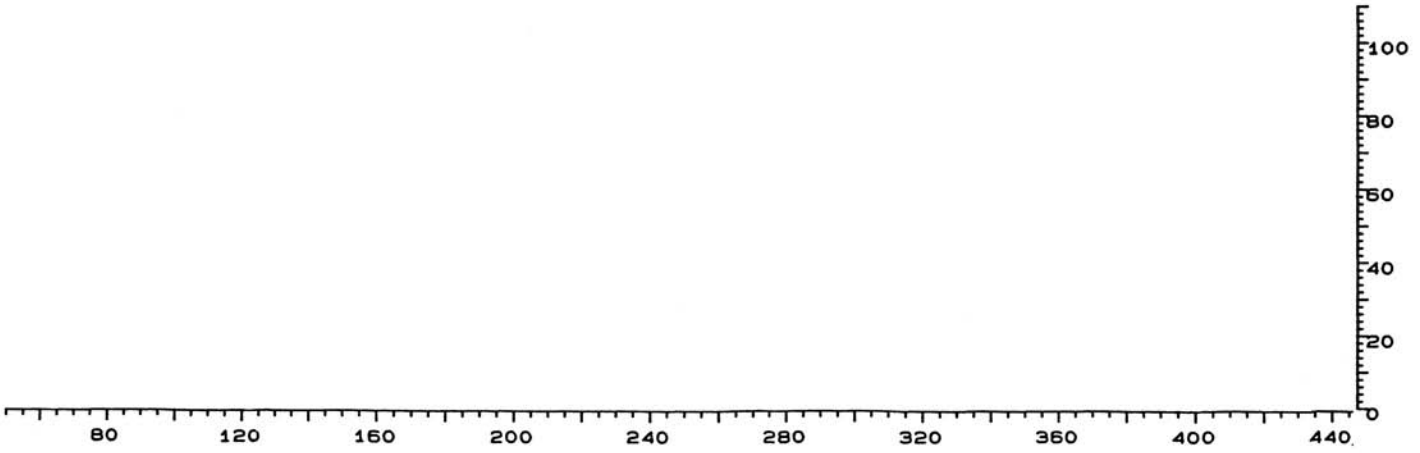
Trade names: Betacarotene, Solatene

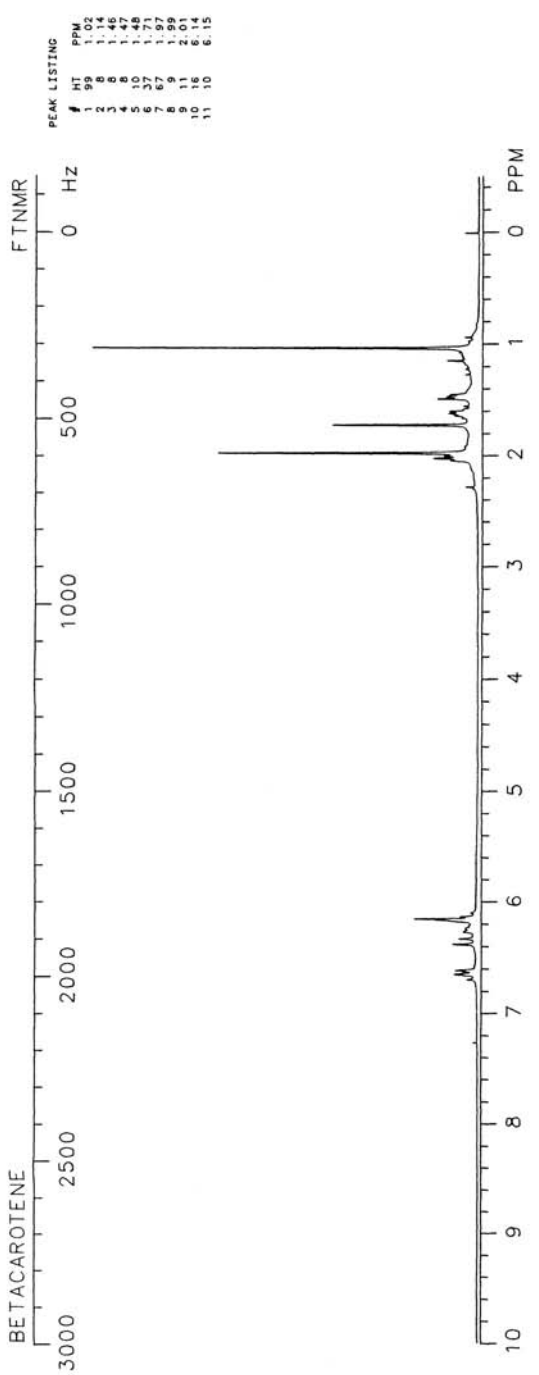
Use: Sunscreen agent, vitamin A precursor
HPLC:
GC:

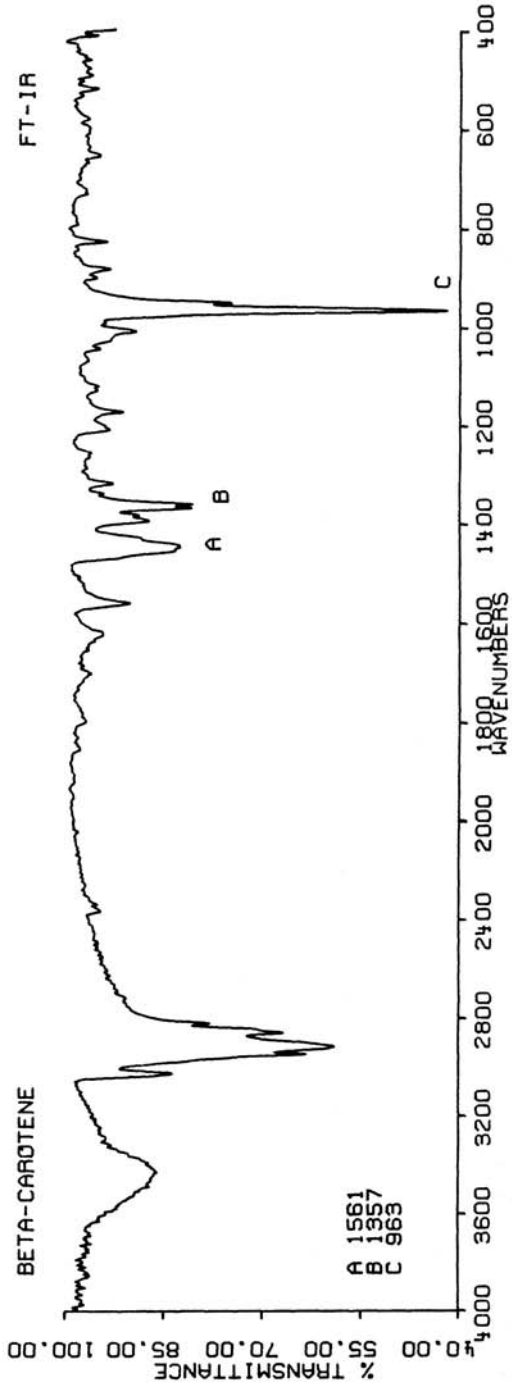




NO USEFUL MASS SPECTRUM WAS OBTAINED




BETACAROTENE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 1.02
2 8 1.14
3 8 1.46
4 8 1.47
5 10 1.48
6 37 1.71
7 67 1.97
8 9 1.99
9 11 2.01
10 16 6.14
11 10 6.15
10 9 8 7 6 5 4 3 2 1 0 PPM


BETA-CAROTENE
FT-IR
A 1561
B 1357
C 963
A
B
C
% TRANSMITTANCE
40.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CARPROFEN

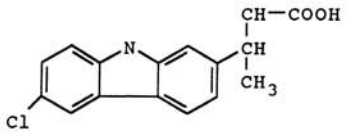
$C_{15}H_{12}ClNO_2$

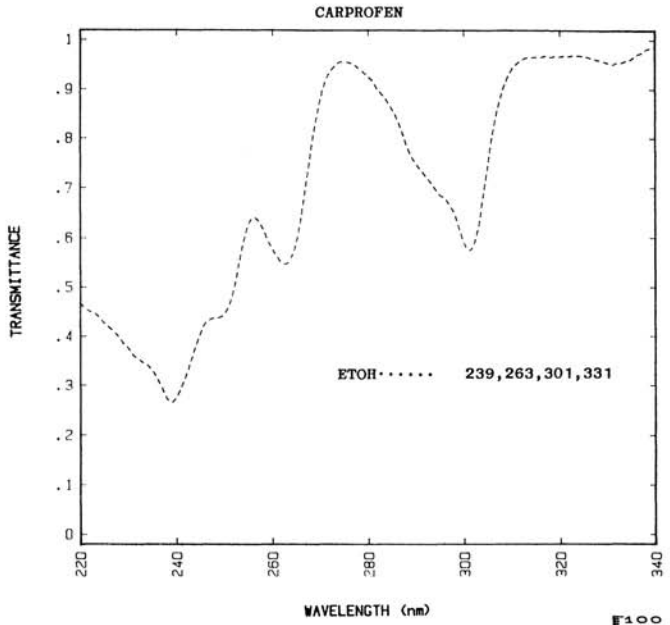
Molecular weight: 273.73 (273.06)

Synonyms: 6-Chloro-α-methyl-9H-carbazole-2-acetic acid

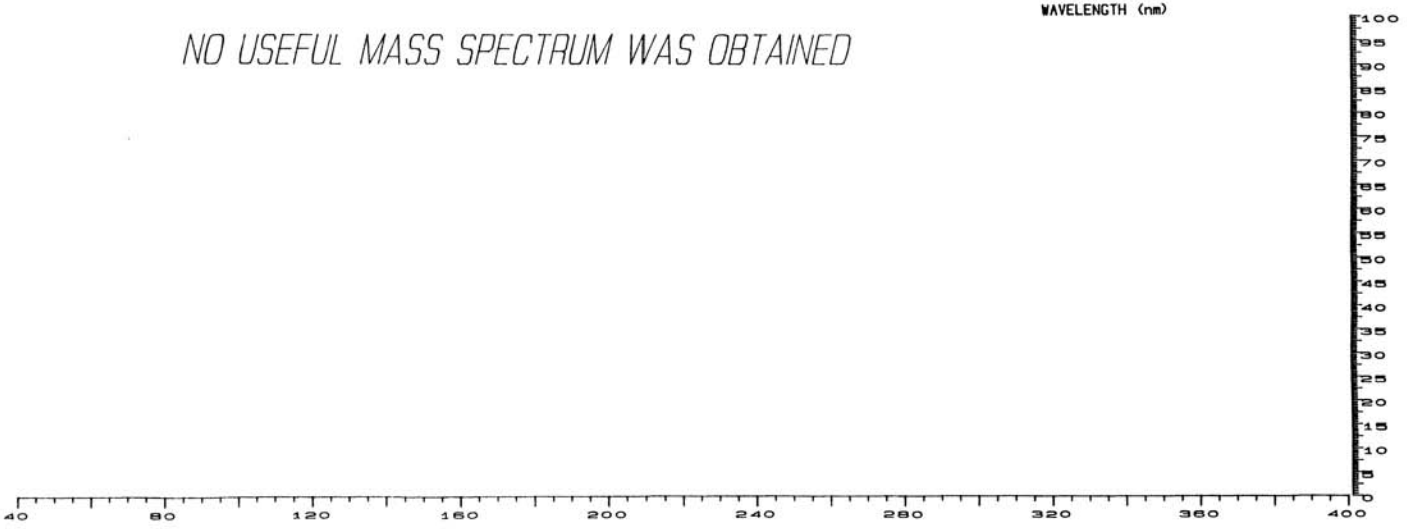
Trade names: Imadyl, Rimadyl

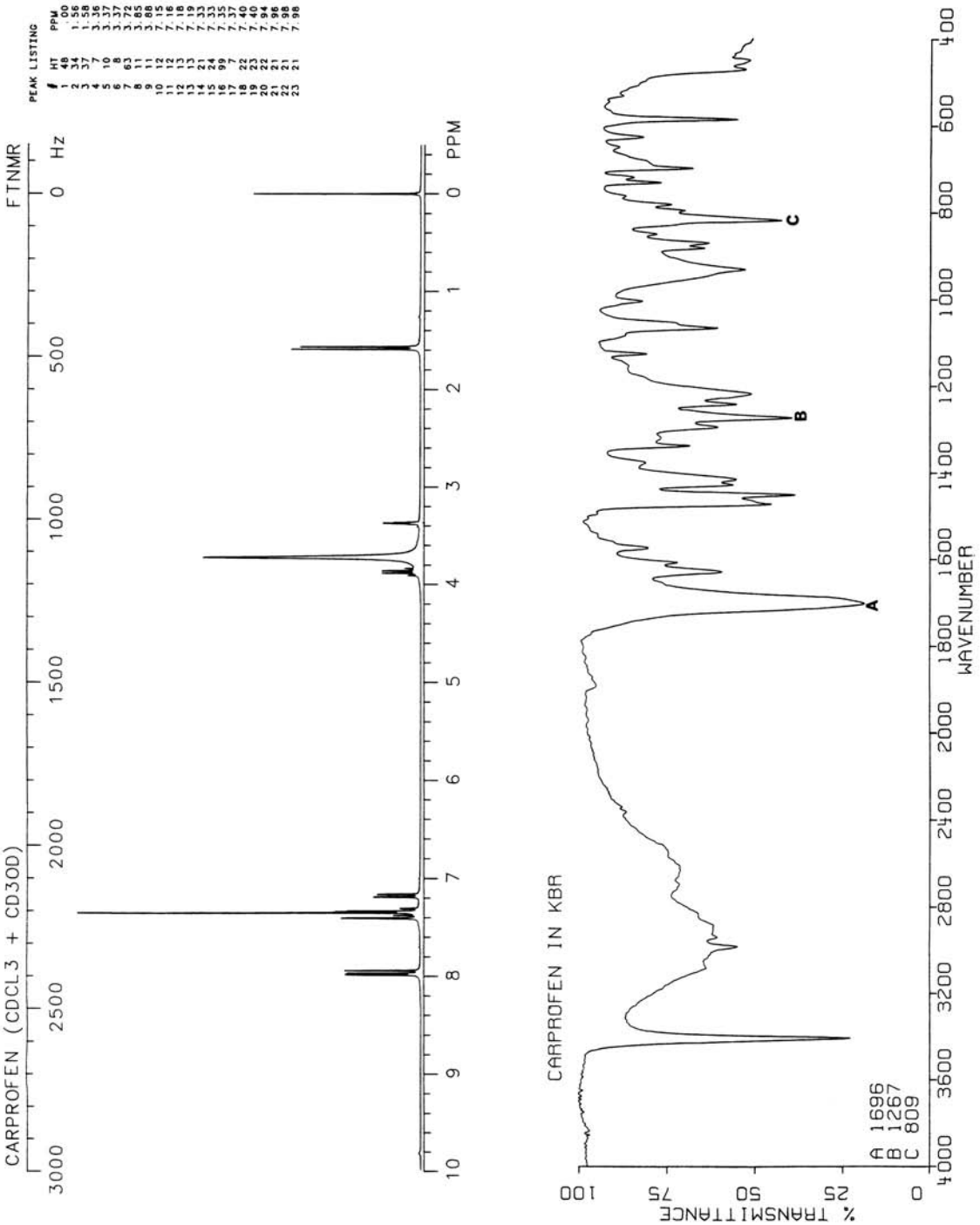
Use: Anti-inflammatory
HPLC: 80A:20B; 2.2
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

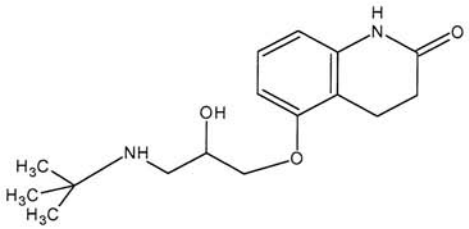


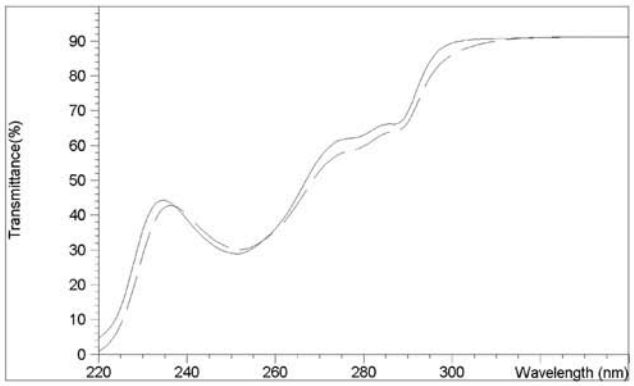

CARPROFEN (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 48 1.00
2 34 1.56
3 37 1.58
4 7 1.96
5 10 3.37
6 8 3.37
7 63 3.72
8 11 3.85
9 11 3.88
10 12 7.15
11 12 7.16
12 13 7.18
13 13 7.19
14 21 7.33
15 24 7.33
16 99 7.35
17 22 7.37
18 22 7.40
19 23 7.94
20 22 7.96
21 21 7.98
22 21 7.98
23 21 7.98
Hz
PPM
CARPROFEN IN KBR
A 1696
B 1267
C 809
% TRANSMITTANCE
WAVENUMBER

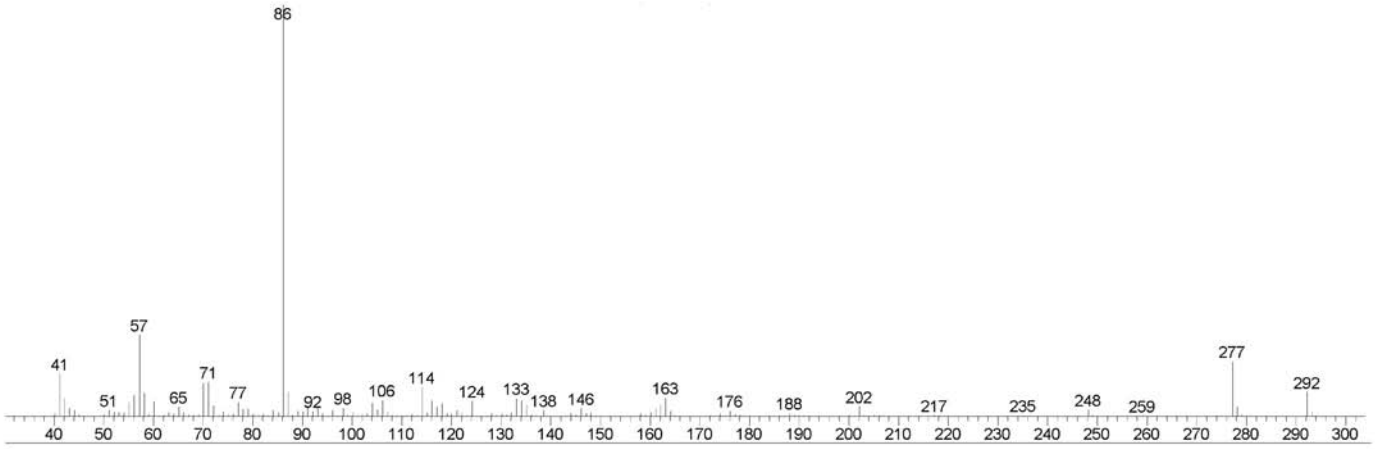
CARTEOLOL

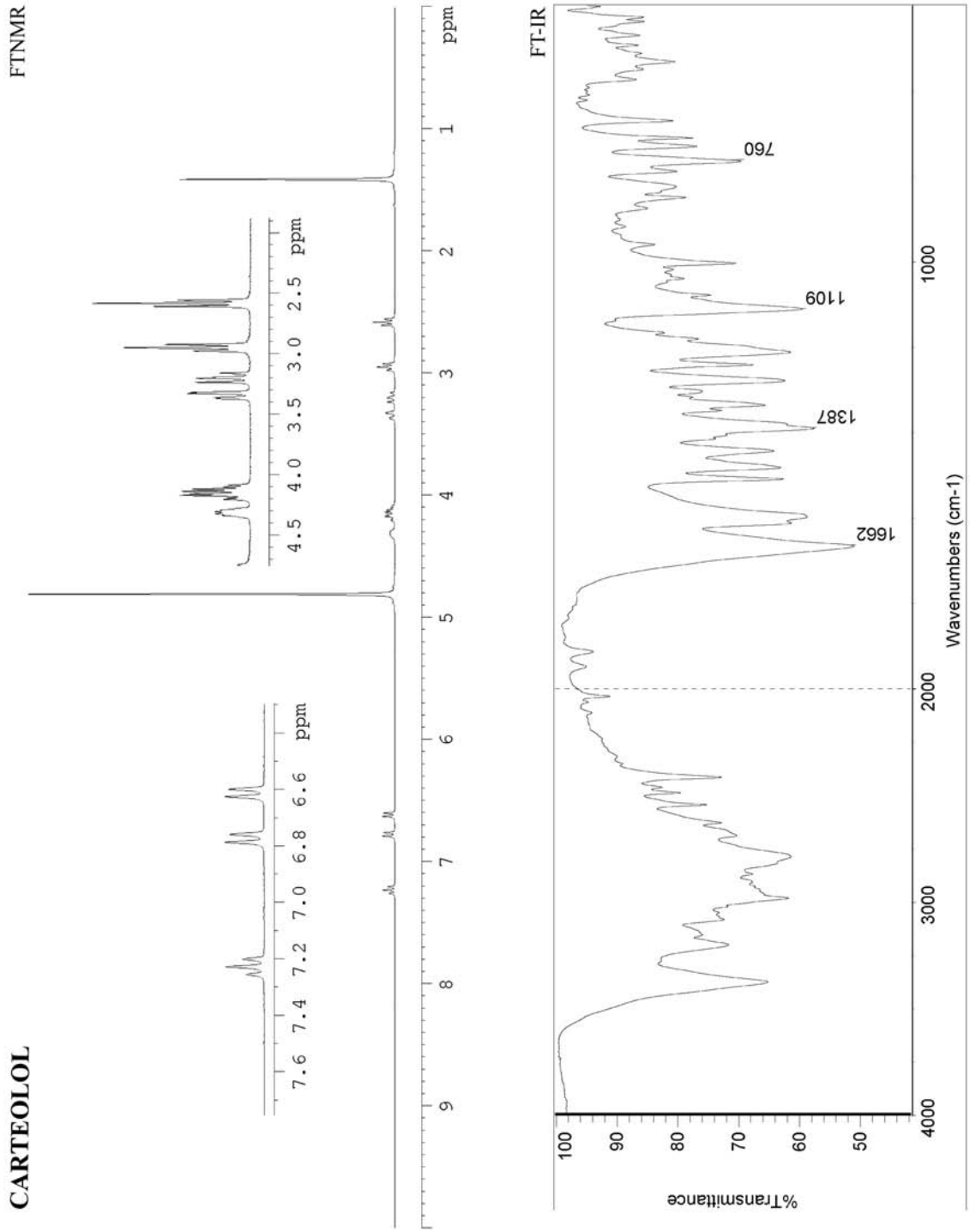
$C_{16}H_{24}N_2O_3$

Molecular Weight: 292.37 (292.18)
Synonyms: 5-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-3,4-dihydro-2(1*H*)-quinolinone
Trade names: Cartrol
Use: β-Adrenergic blocker








CARTEOLOL
FTNMR
ppm
FT-IR
760
1109
1387
1662
%Transmittance
Wavenumbers (cm-1)

CASANTHRANOL

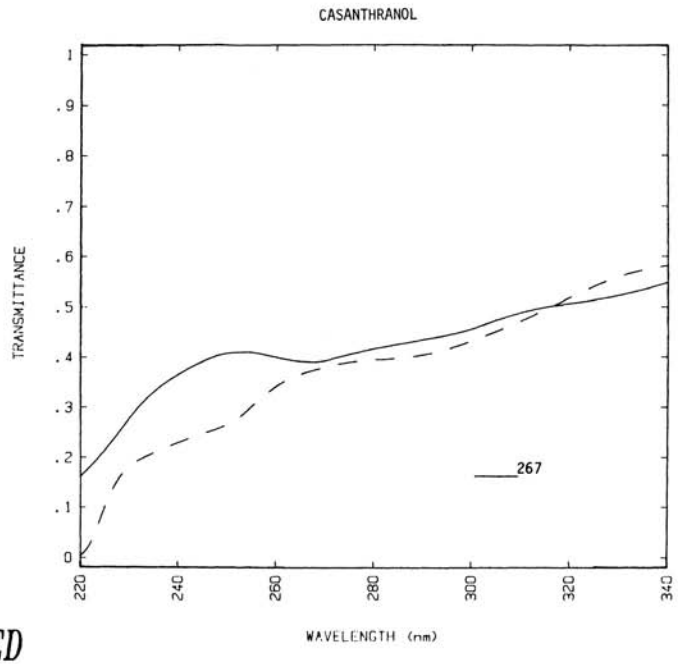
Mixture of anthranol glycosides

Molecular weight:
Synonyms: Cantralax

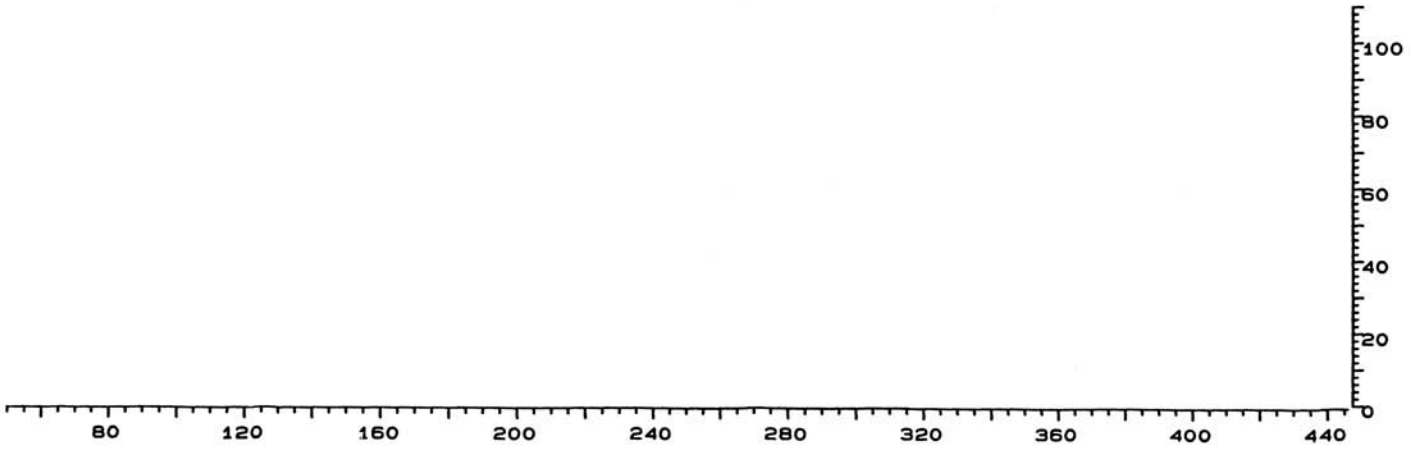
Trade names: Casakol, Dialose Plus, Docusate, Peri-Colace

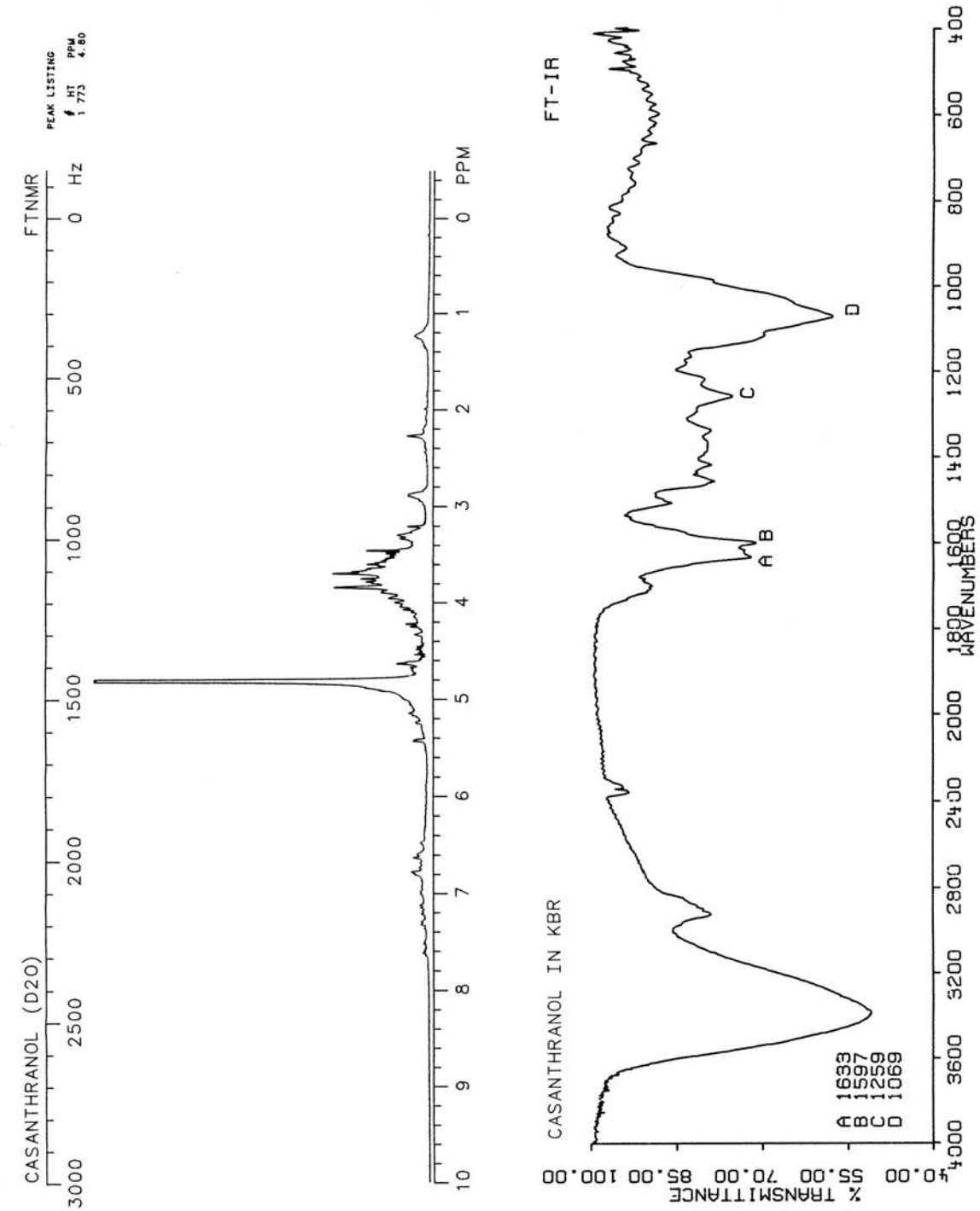
Use: Cathartic
HPLC:
GC:

NO STRUCTURE AVAILABLE



NO USEFUL MASS SPECTRUM WAS OBTAINED




CASANTHRANOL (D2O)
FTNMR
PEAK LISTING
HT 1 773
PPM 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CASANTHRANOL IN KBR
FT-IR
A 1633
B 1597
C 1259
D 1069
A B
C
D
% TRANSMITTANCE
40.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

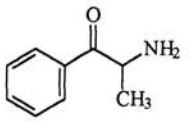
CATHINONE

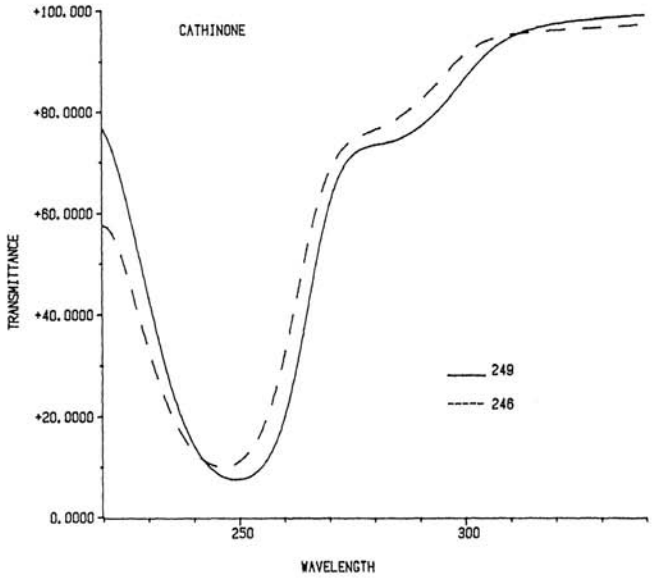
$C_9H_{11}NO$

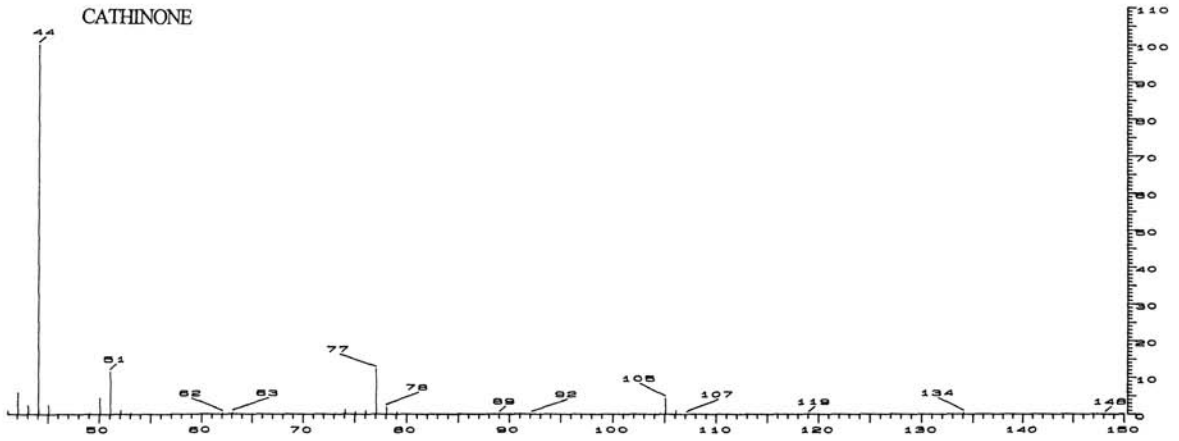
Molecular Weight: 149.19 (149.08)

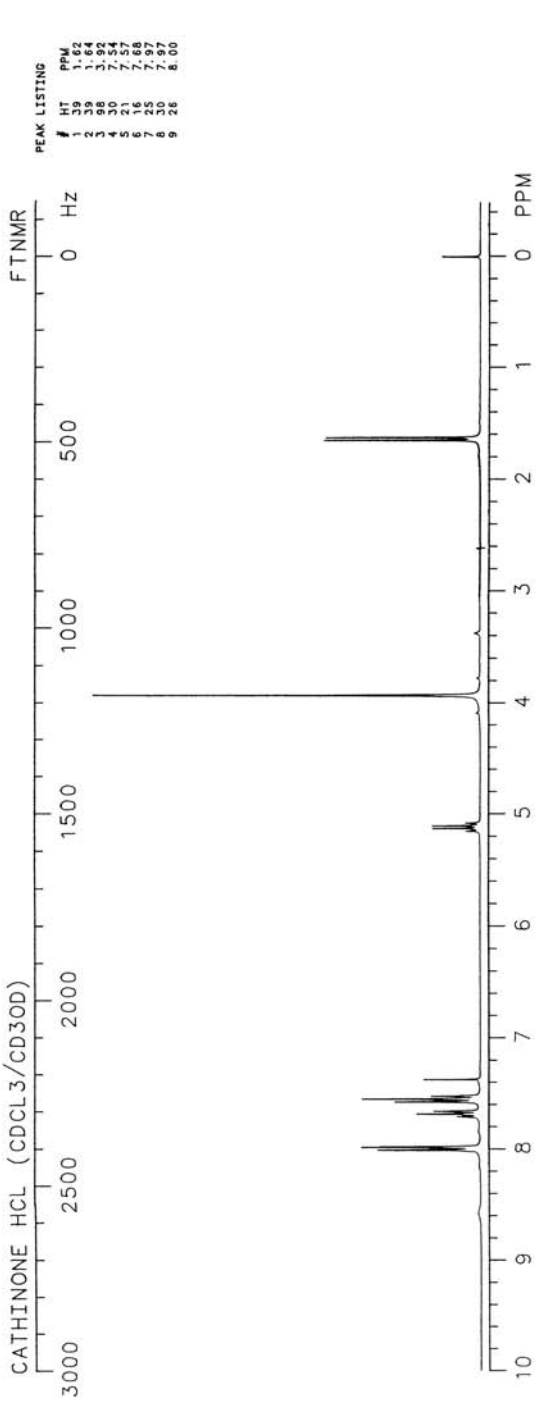
Synonyms: (S)-2-Amino-1-phenyl-1-propanone; α-aminopropiophenone
Trade Names:
Use: Alkaloid from *Catha edulis*

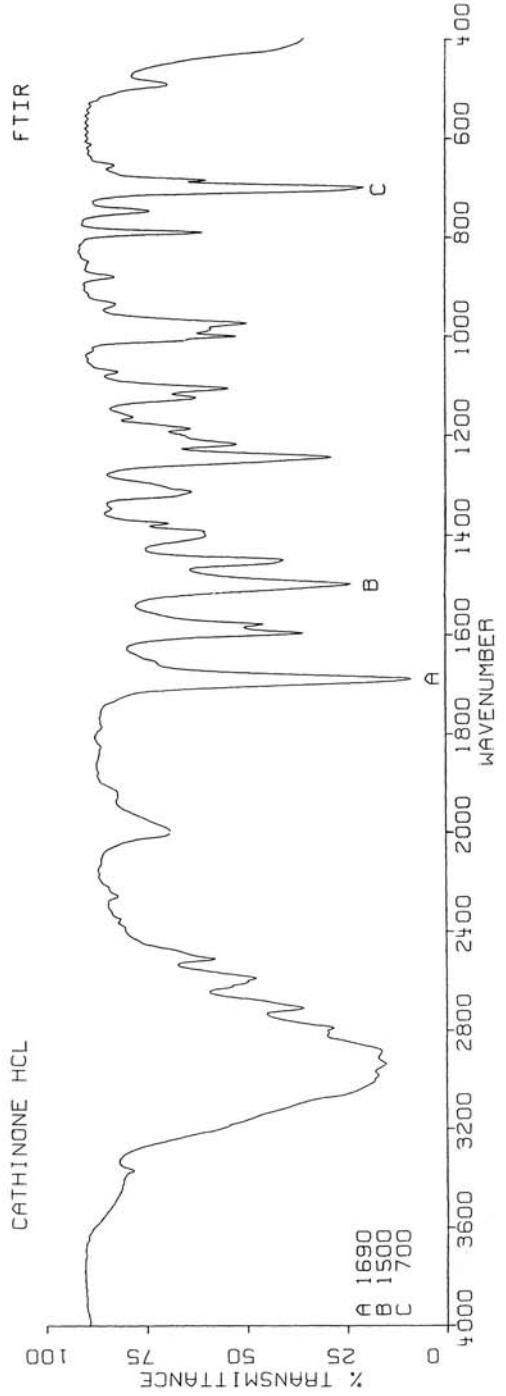
HPLC: Methanol: 2.1
GC: 1278; 140°








CATHINONE HCL (CDCL3/CD3OD)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 39 1.62
2 39 1.64
3 38 1.80
4 30 7.54
5 21 7.57
6 16 7.68
7 25 7.97
8 30 7.97
9 26 8.00

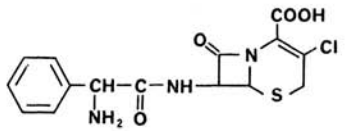

CATHINONE HCL
FTIR
A 1690
B 1500
C 700
A
B
C
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

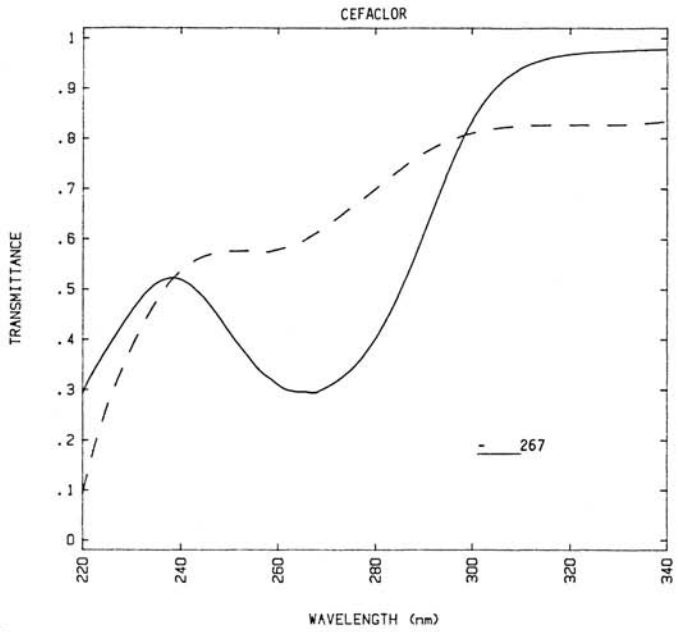
CEFACLOR

$C_{15}H_{14}ClN_3O_4S$

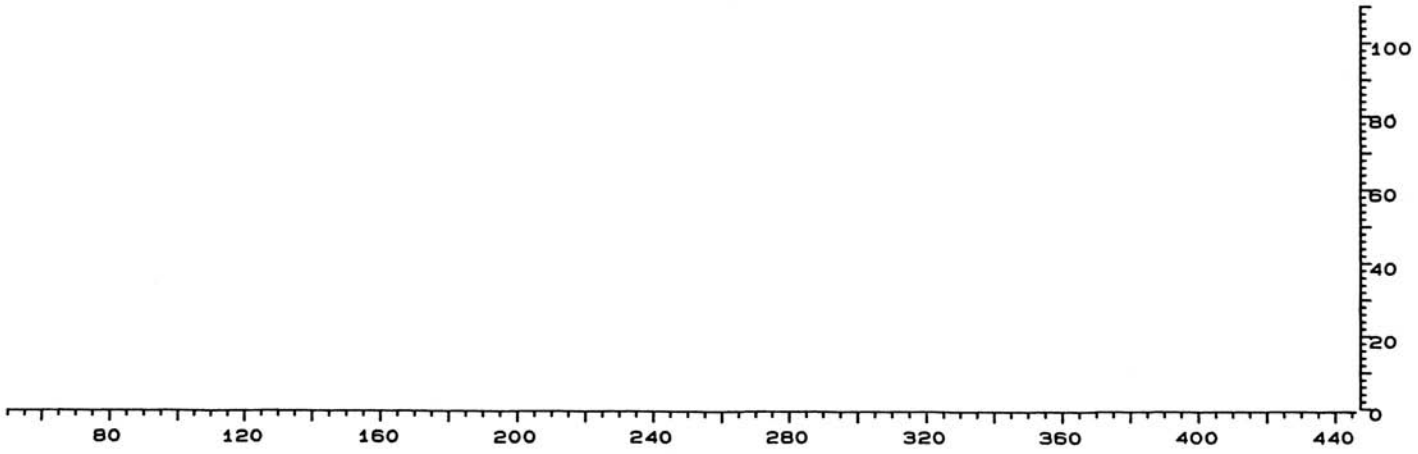
Molecular weight: 367.79 (376.04)
Synonyms: 3-Chloro-7-D-(2-phenylglycinamido)-3-cephem-4-carboxylic acid
Trade names: Ceclor

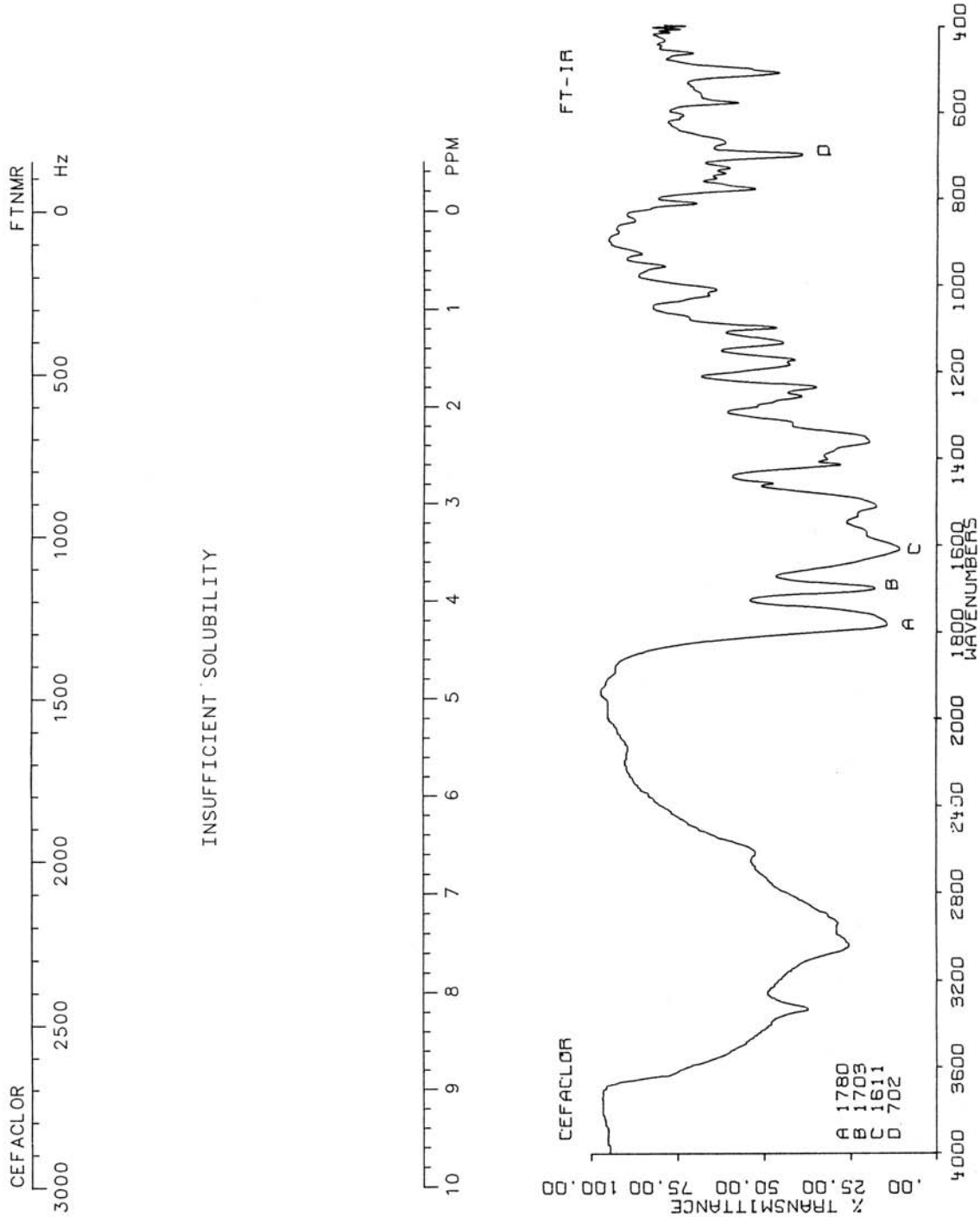
Use: Antibiotic, antibacterial
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



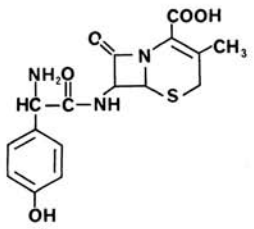

CEFACLOR
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
CEFACLOR
FT-IR
A 1780
B 1703
C 1611
D 702
A B C D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

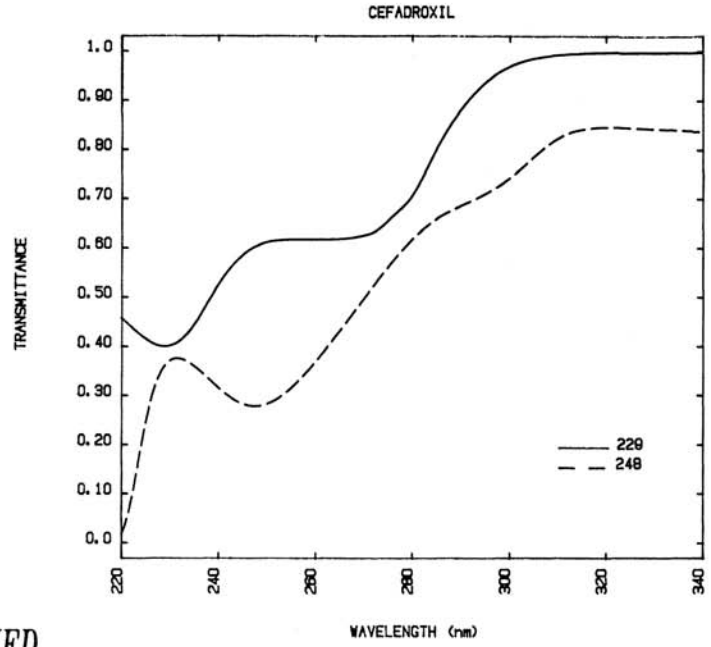
CEFADROXIL

$C_{16}H_{17}N_3O_5S$

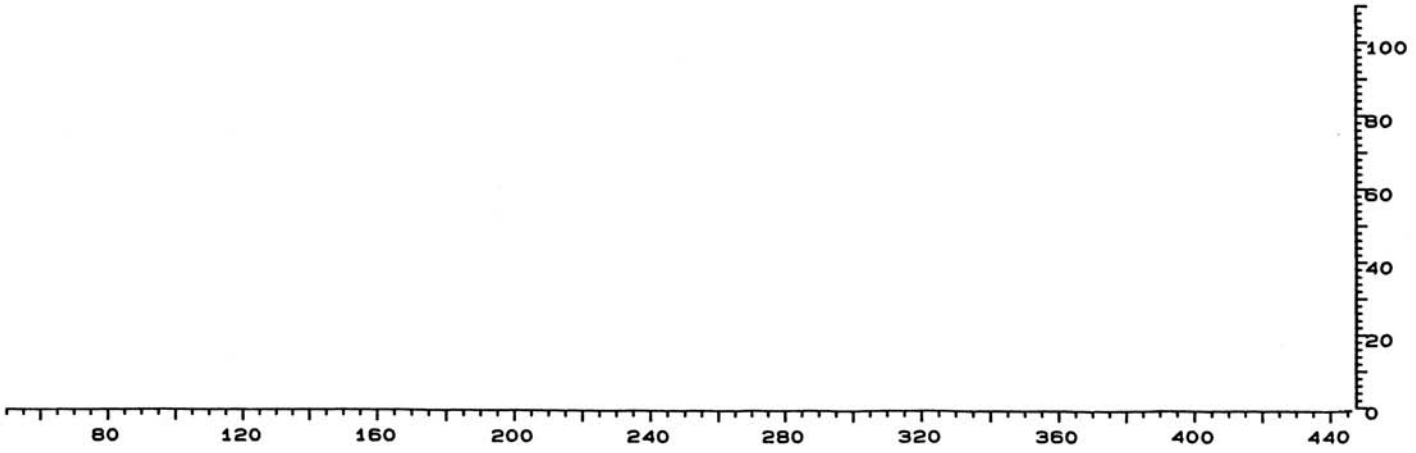
Molecular weight: 363.40 (363.09)
Synonyms: 7-[[D-2-Amino-2-(4-hydroxyphenyl)acetyl]amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Duricef, Ultracet

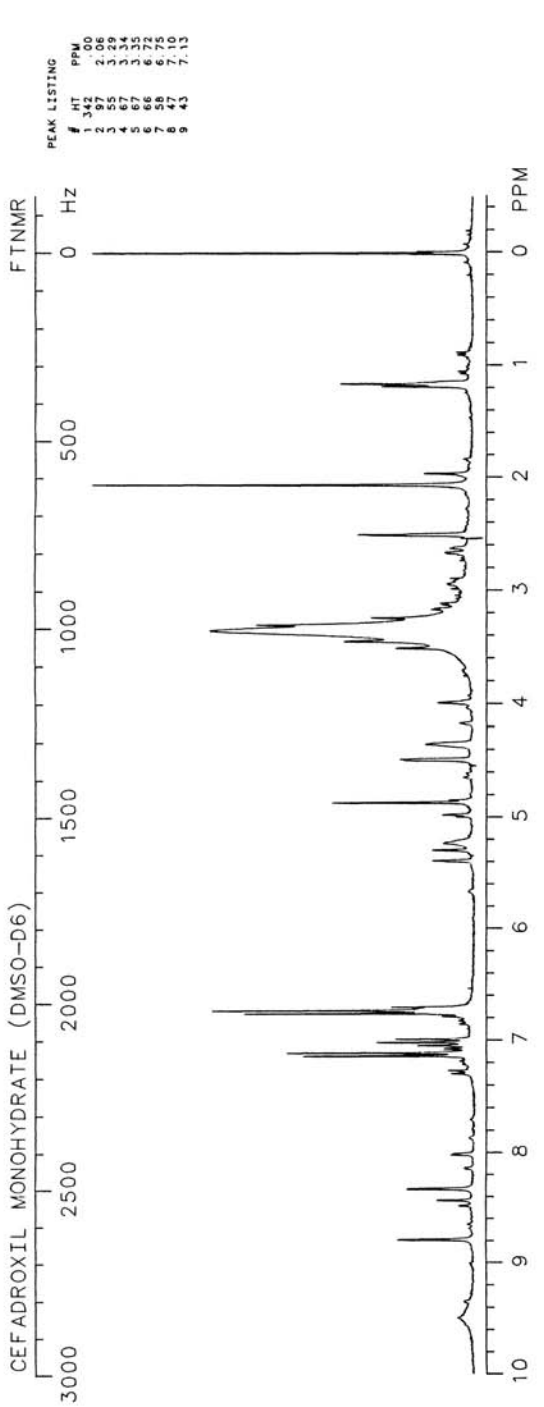
Use: Antibiotic
HPLC:
GC:

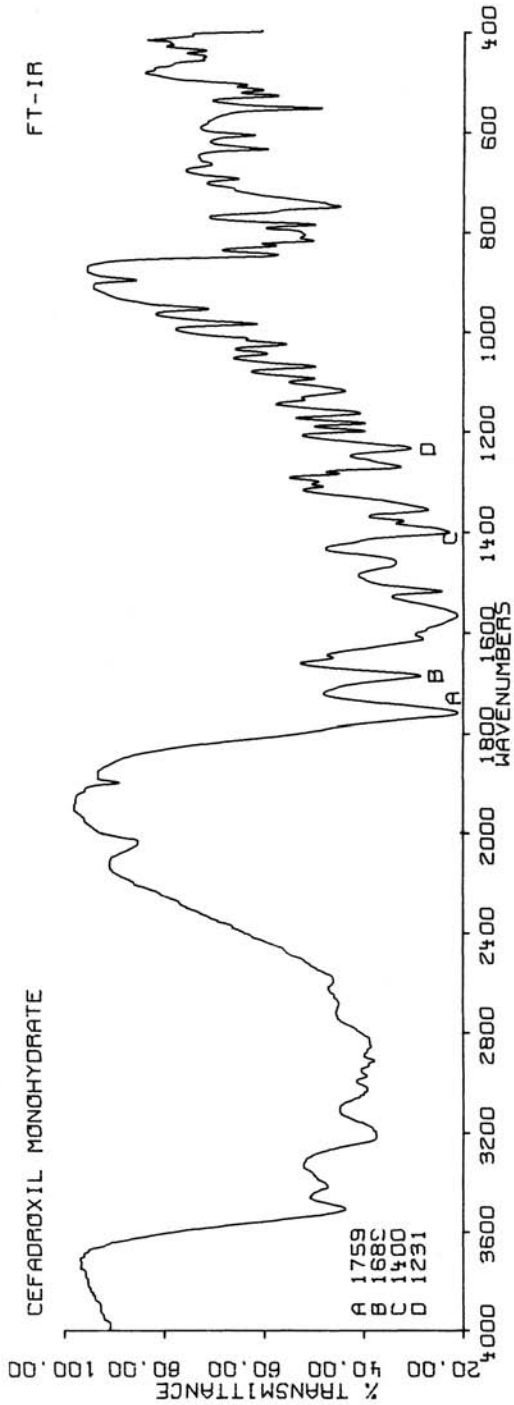




NO USEFUL MASS SPECTRUM WAS OBTAINED




CEFADROXIL MONOHYDRATE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 342 .00
2 97 2.06
3 55 3.29
4 67 3.34
5 67 3.35
6 66 6.72
7 58 6.75
8 47 7.10
9 43 7.13
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

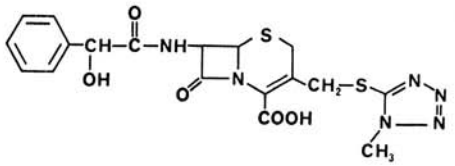

CEFADROXIL MONOHYDRATE
FT-IR
A 1759
B 1680
C 1400
D 1231
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

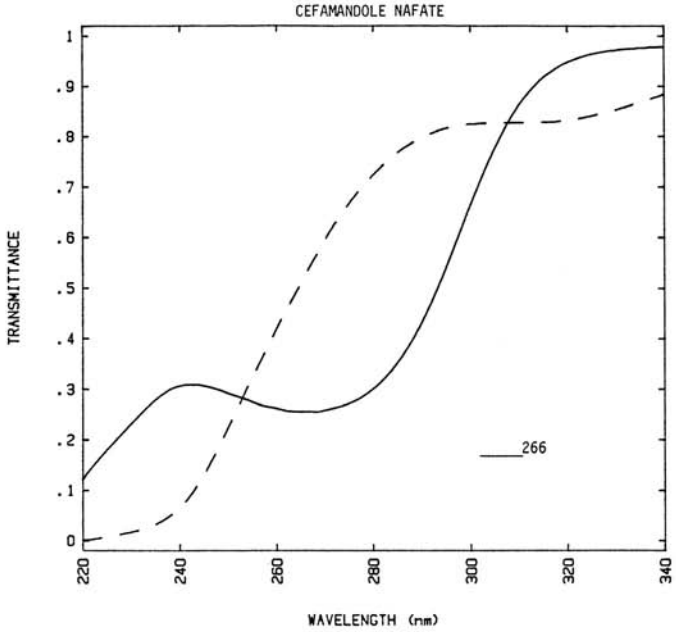
CEFAMANDOLE

$C_{18}H_{18}N_6O_5S_2$

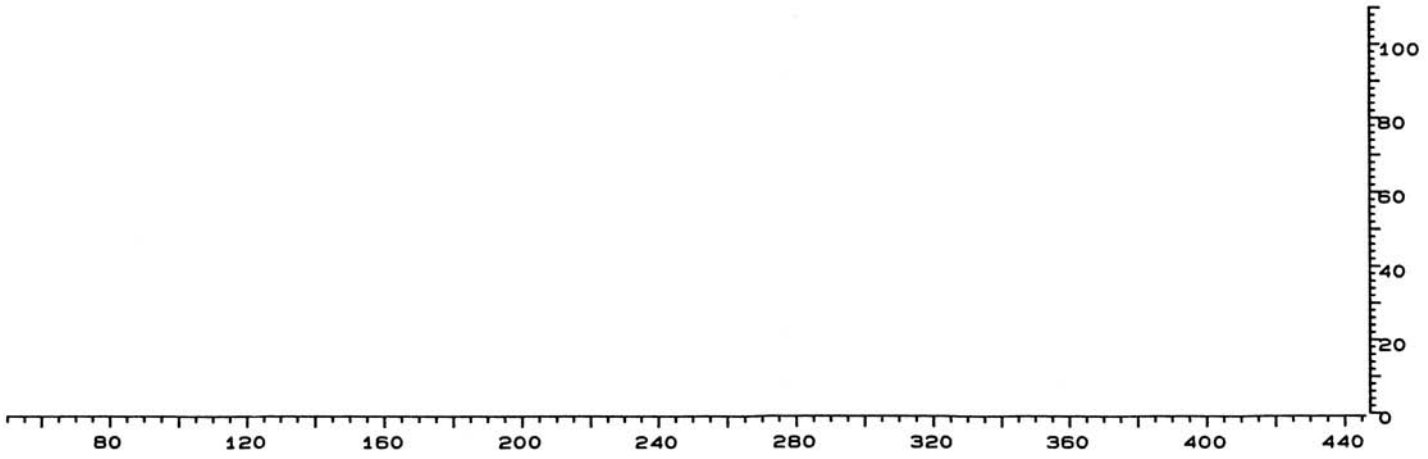
Molecular weight: 462.50 (462.08)
Synonyms: 7-D-Mandelamido-3-[[(1-methyl-1H-tetrazol-5-yl)thio]-methyl]-3-cephem-4-carboxylic acid; CMT
Trade names: Bergacef, Cefam, Cemado, Kefadol, Mandol, Mandokef

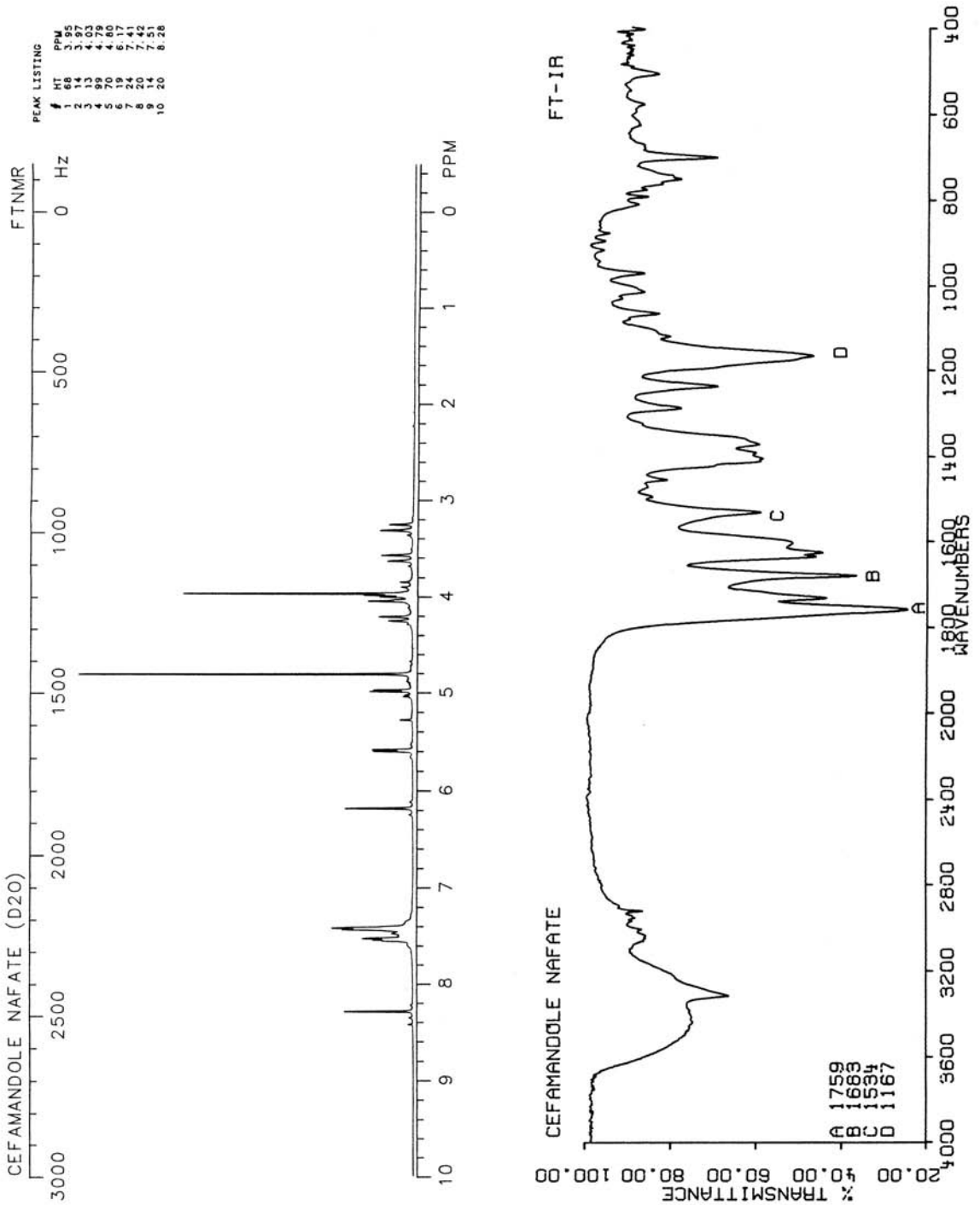
Use: Antibiotic, antibacterial
HPLC: Si-10; 10A:90B; 5.8
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



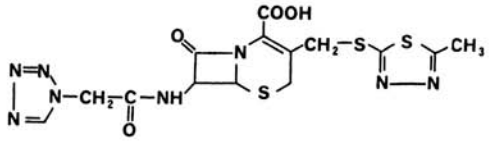

CEFAMANDOLE NAFATE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 68 3.95
2 14 3.97
3 13 4.03
4 99 4.79
5 70 4.80
6 19 6.17
7 24 7.41
8 20 7.42
9 14 7.51
10 20 8.28
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CEFAMANDOLE NAFATE
FT-IR
A 1759
B 1683
C 1534
D 1167
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00

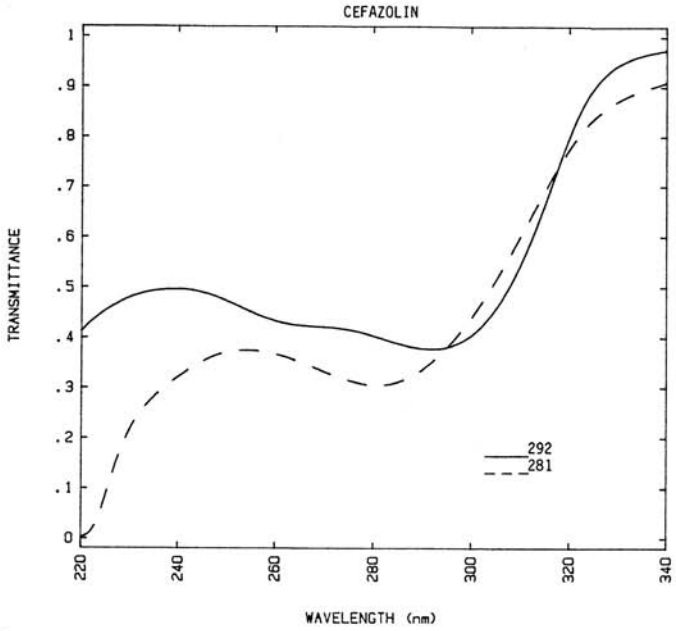
CEFAZOLIN

$C_{14}H_{14}N_8O_4S_3$

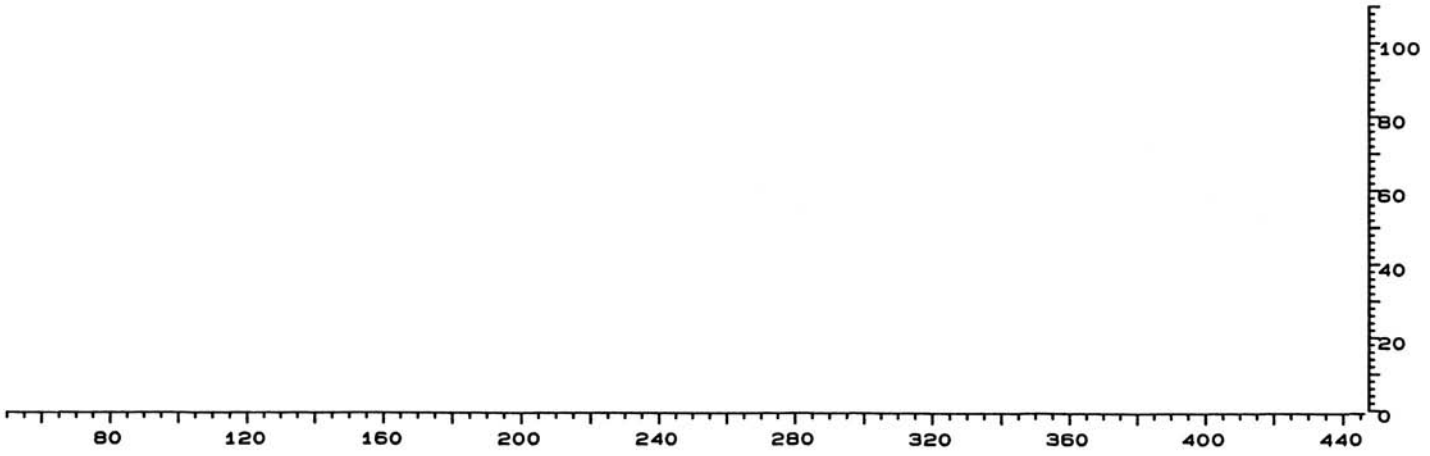
Molecular weight: 454.50 (454.03)
Synonyms: (6R-Trans)-3-[[(5-methyl-1,3,4-thiadiazol-2-yl)thio]methyl]-8-oxo-7-[[(1H-tetrazol-1-yl)acetyl]amino]-5-thia-1-azabicyclo[4.2.0]-2-ene-2-carboxylic acid
Trade names: Ancef, Kefzol

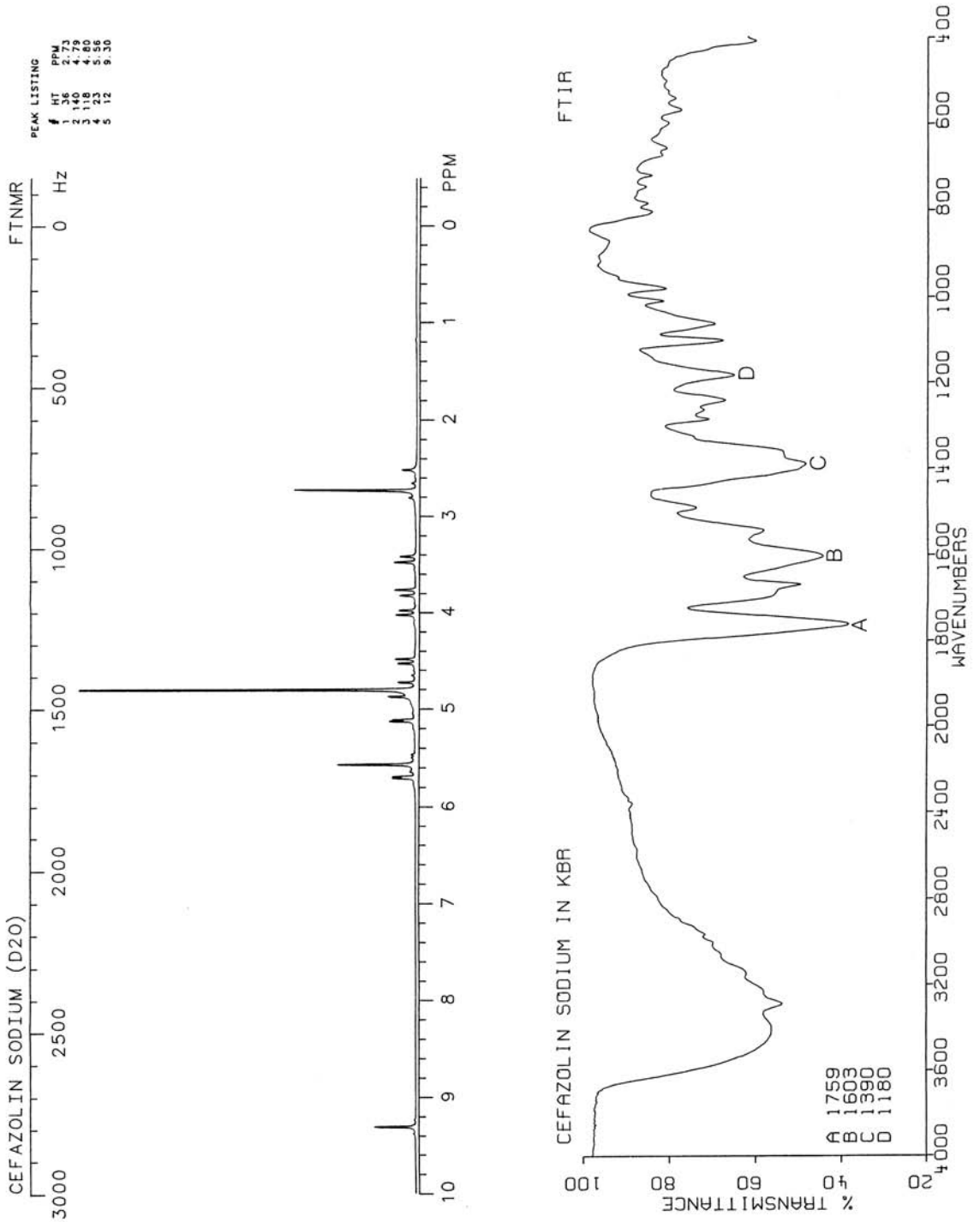
Use: Antibacterial
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




CEFAZOLIN SODIUM (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 36 2.73
2 140 4.79
3 118 4.80
4 23 5.56
5 12 9.30
10 9 8 7 6 5 4 3 2 1 0 PPM
CEFAZOLIN SODIUM IN KBR
FTIR
A 1759
B 1603
C 1390
D 1180
A
B
C
D
100 80 60 40 20
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

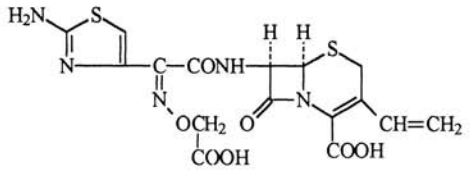
CEFIXIME

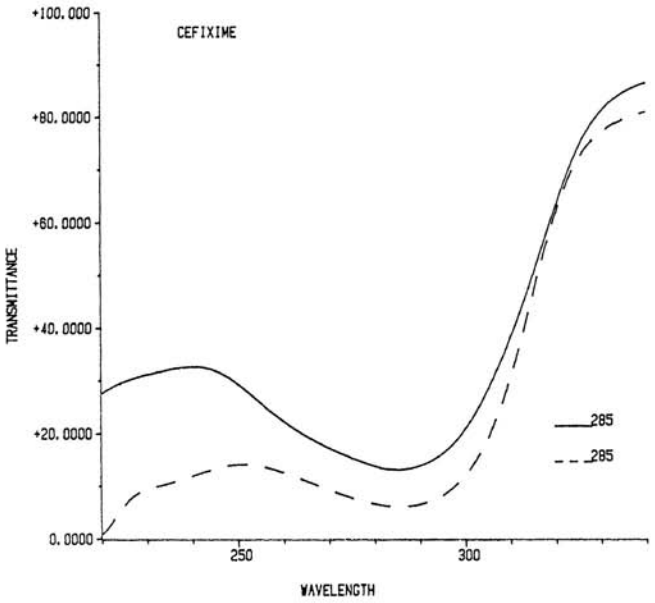
$C_{16}H_{15}N_5O_7S_2$

Molecular Weight: 453.44 (453.04)

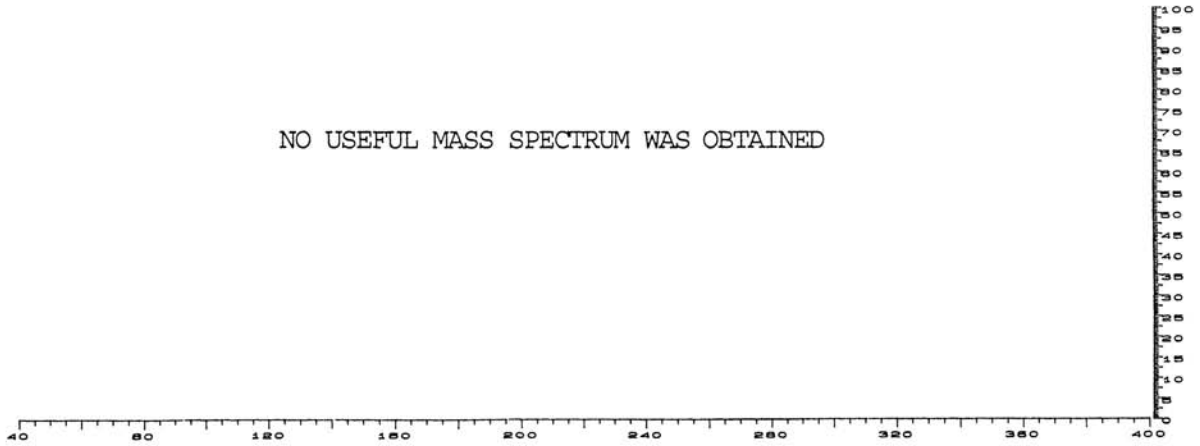
Synonyms: [6R-[6α,7β(Z)]]-7-[[(2-Amino-4-thiazolyl)[(carboxymethoxy)imino]acetyl]amino]-3-ethenyl-8-oxo-5-thia-1-azabicyclo[4.20]oct-2-ene-2-carboxylic acid
Trade Names: Cefspan, Oroken, Suprax
Use: Antibacterial

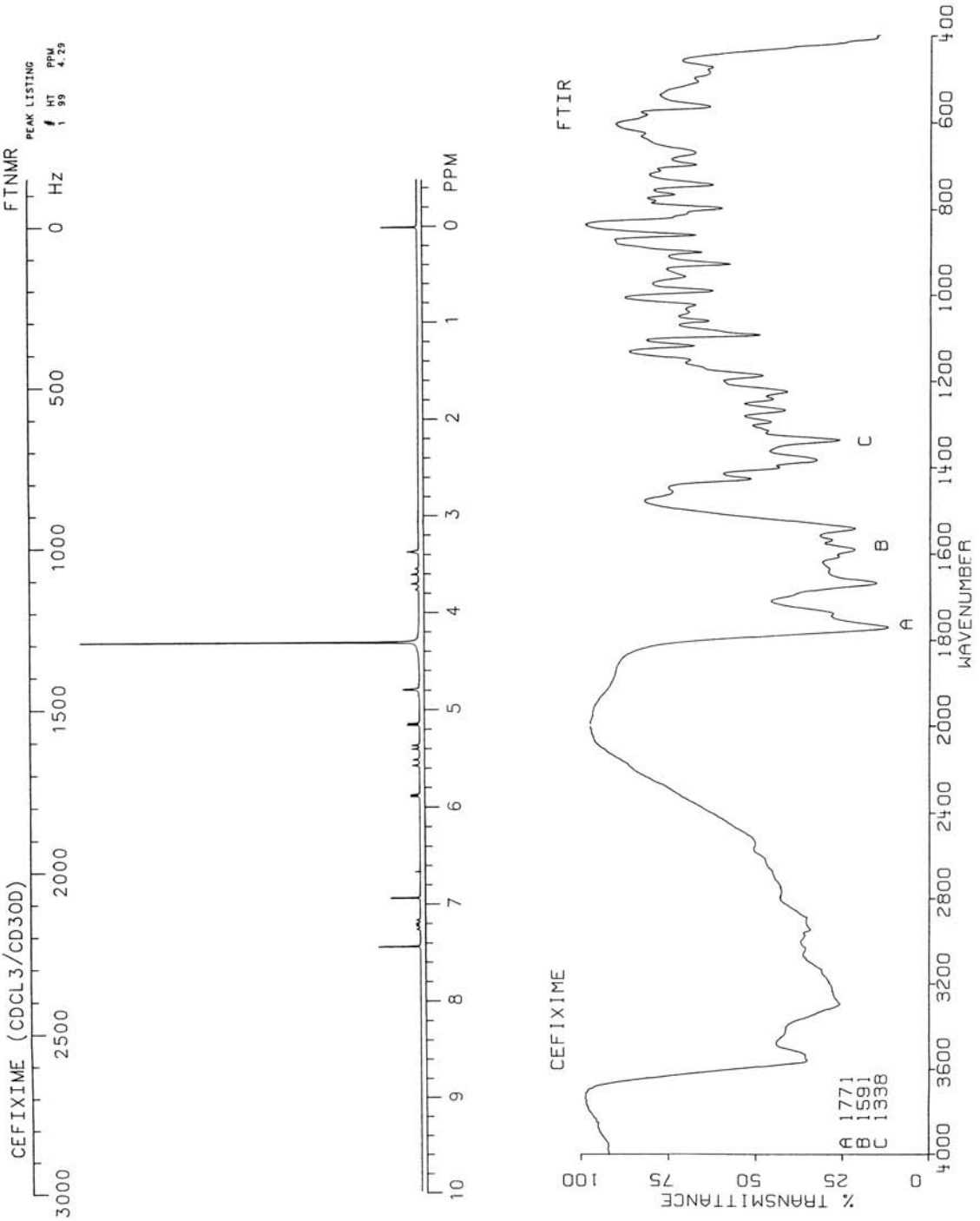
HPLC: Methanol: 2.9 (Tails)
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



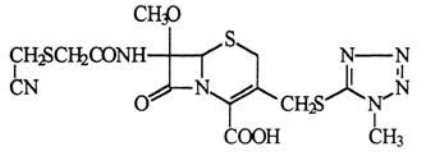

FTNMR
CEFIXIME (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 99 4.29
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
CEFIXIME
A 1771
B 1591
C 1338
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

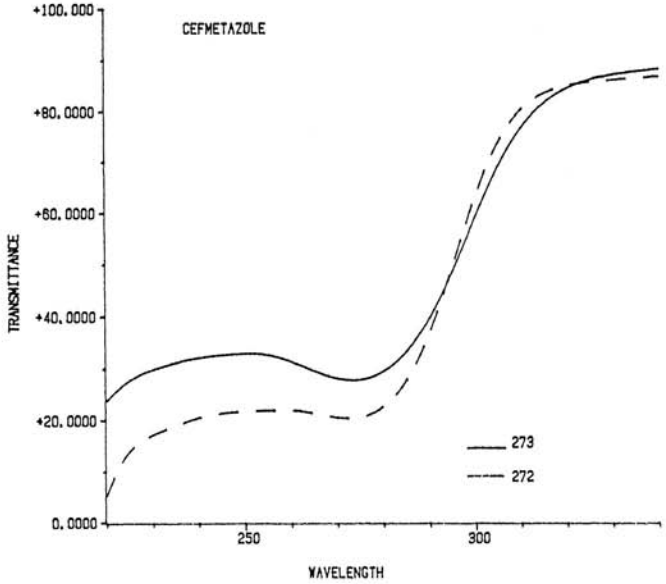
CEFMETAZOLE

$C_{15}H_{17}N_5O_7S_3$

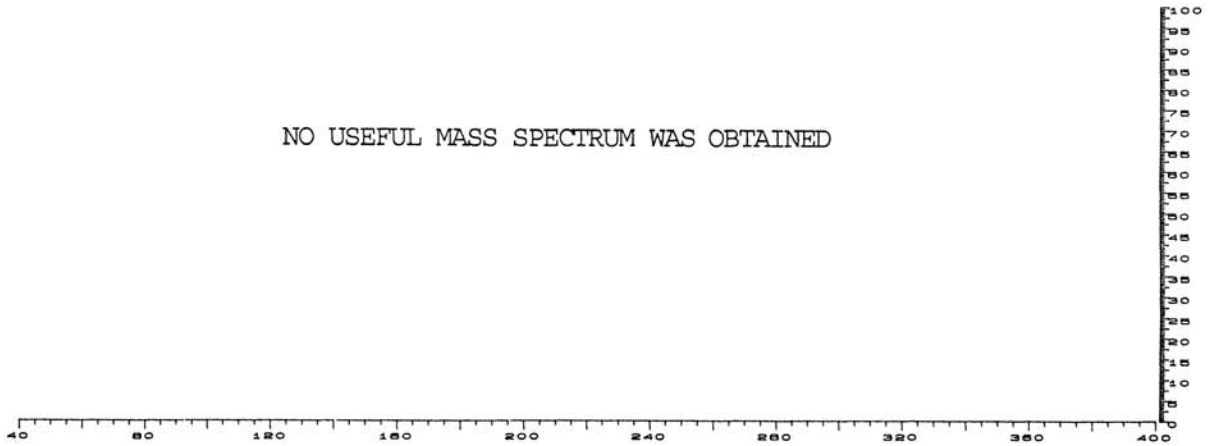
Molecular Weight: 471.52 (471.05)
Synonyms: 7-[[[(Cyanomethyl)thio]acetyl]amino]-7-methoxy-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade Names: Cefmetazon, Zefazone
Use: Antibacterial

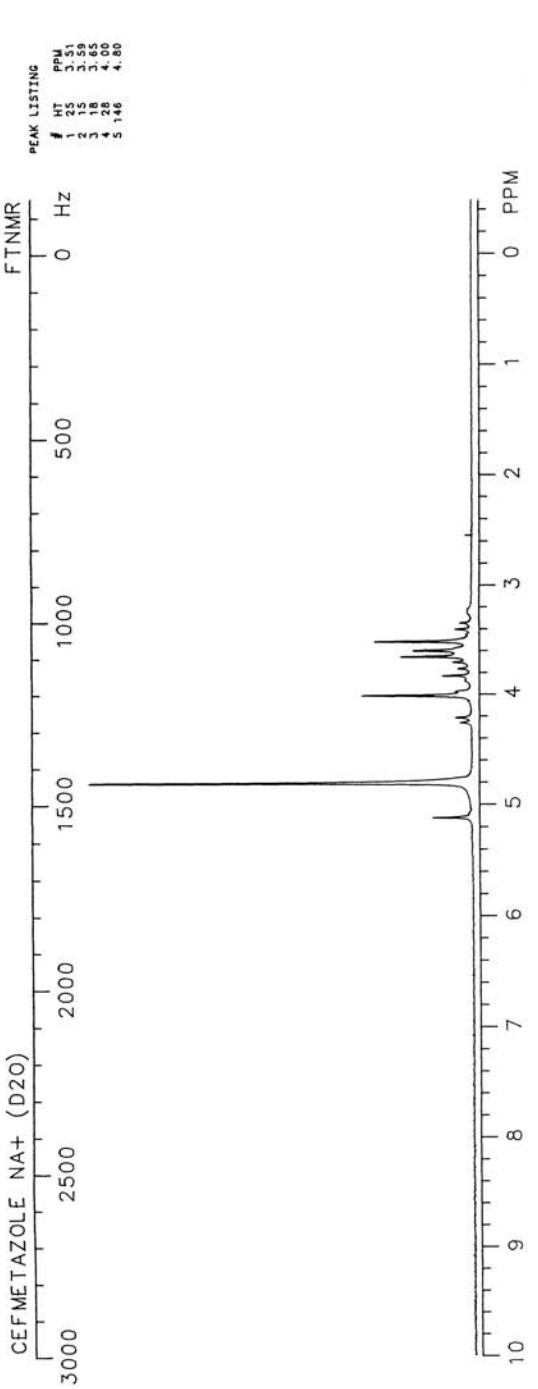
HPLC:
GC:

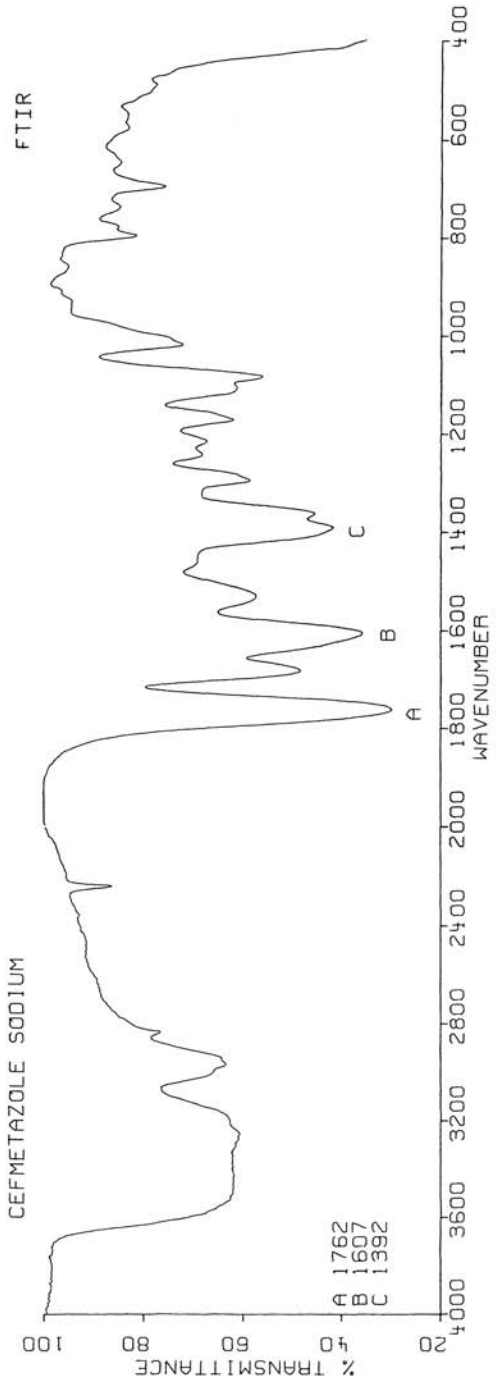




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
CEFMETAZOLE NA+ (D2O)
PEAK LISTING
HT PPM
1 25 3.51
2 15 3.58
3 18 3.65
4 28 4.00
5 146 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

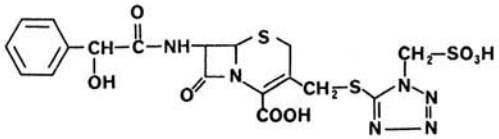

FTIR
CEFMETAZOLE SODIUM
A 1762
B 1607
C 1392
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

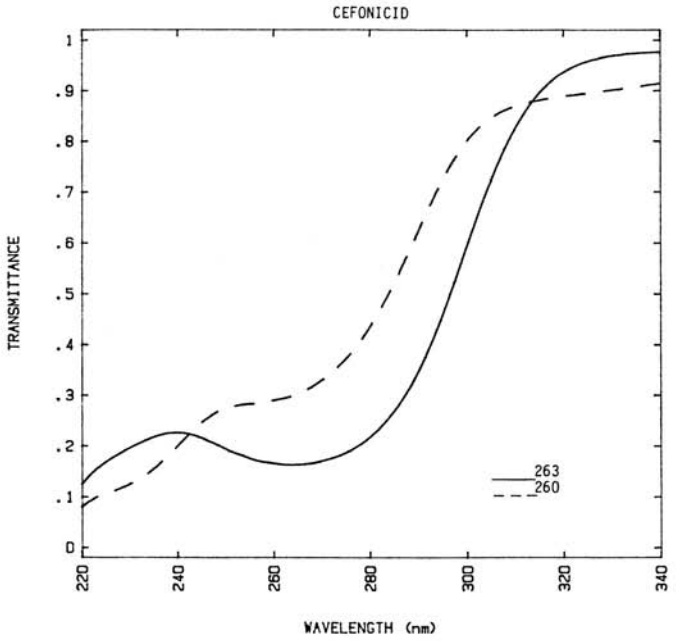
CEFONICID

$C_{18}H_{18}N_6O_8S_3$

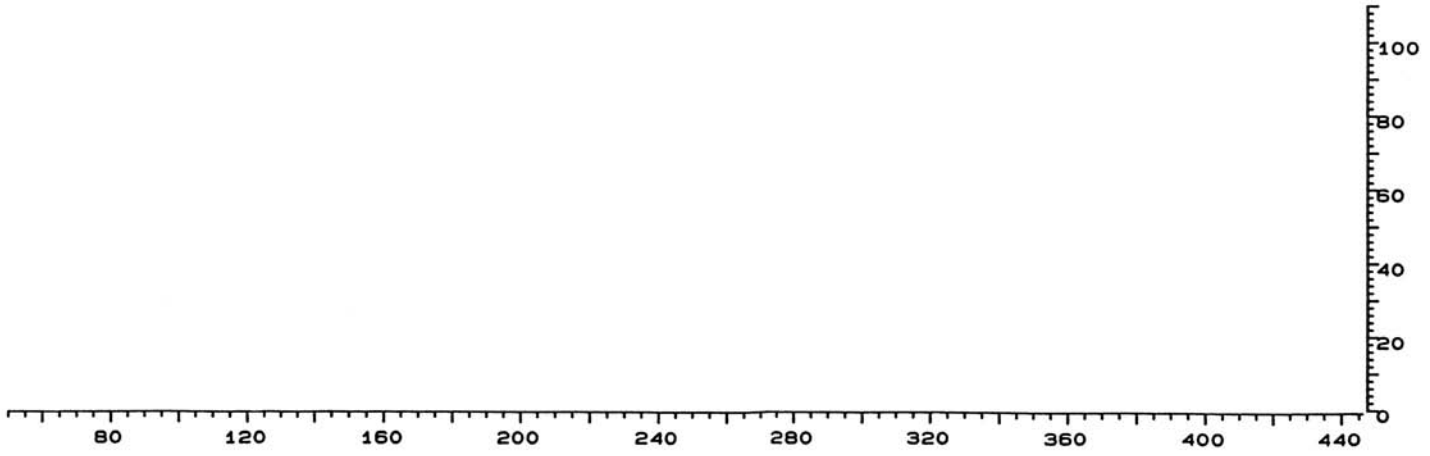
Molecular weight: 542.56 (542.04)
Synonyms: 7-[(Hydroxyphenylacetyl)amino]-8-oxo-3-[[[(1-(sulfomethyl)-1H-tetrazol-5-yl]thio]methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Monocid

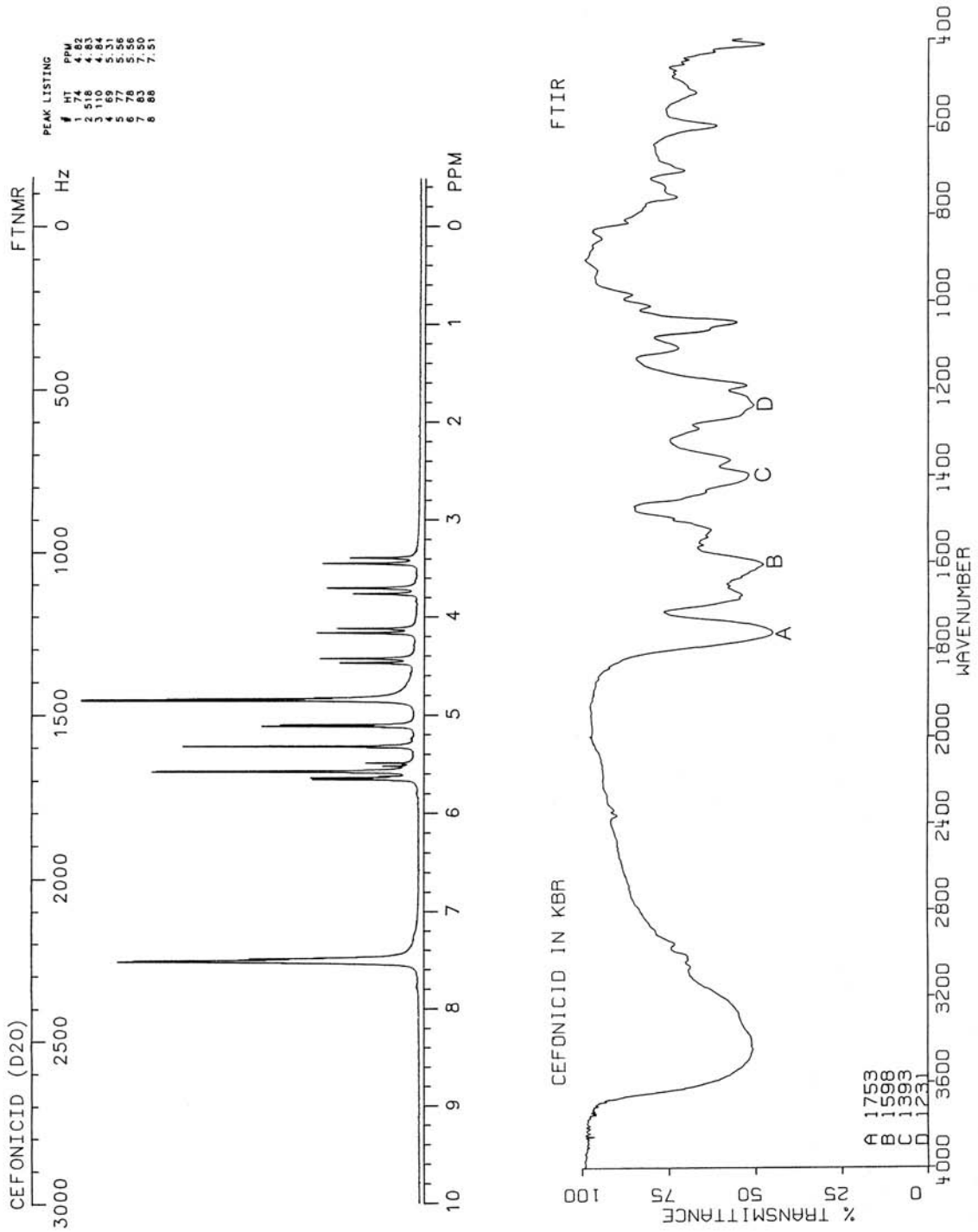
Use: Antibacterial
HPLC: Si-10; 20A:80B; 4.3
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



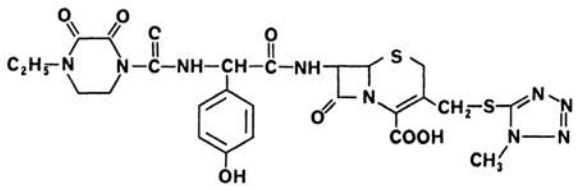

FTNMR
CEFONICID (D2O)
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 74 4.82
2 518 4.83
3 110 4.84
4 69 5.31
5 77 5.56
6 78 5.56
7 83 7.50
8 88 7.51
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
CEFONICID IN KBR
100
75
50
25
0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D
A 1753
B 1598
C 1393
D 1231

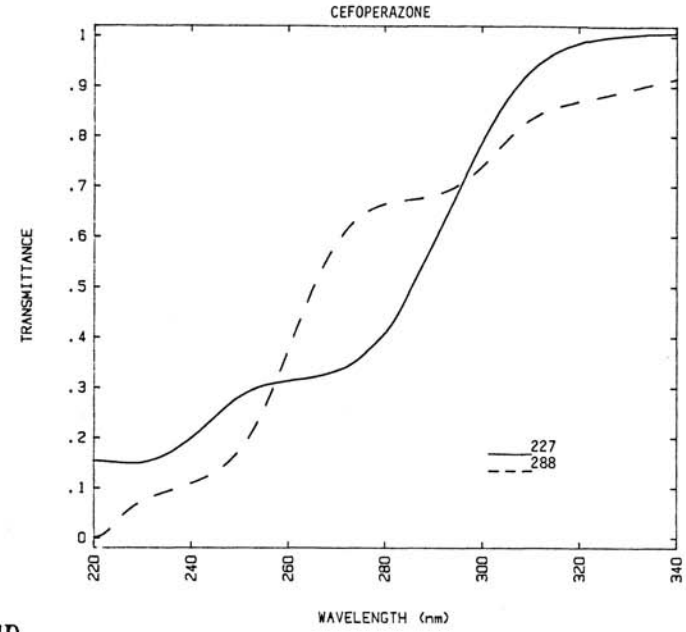
CEFOPERAZONE

$C_{25}H_{27}N_9O_8S_2$

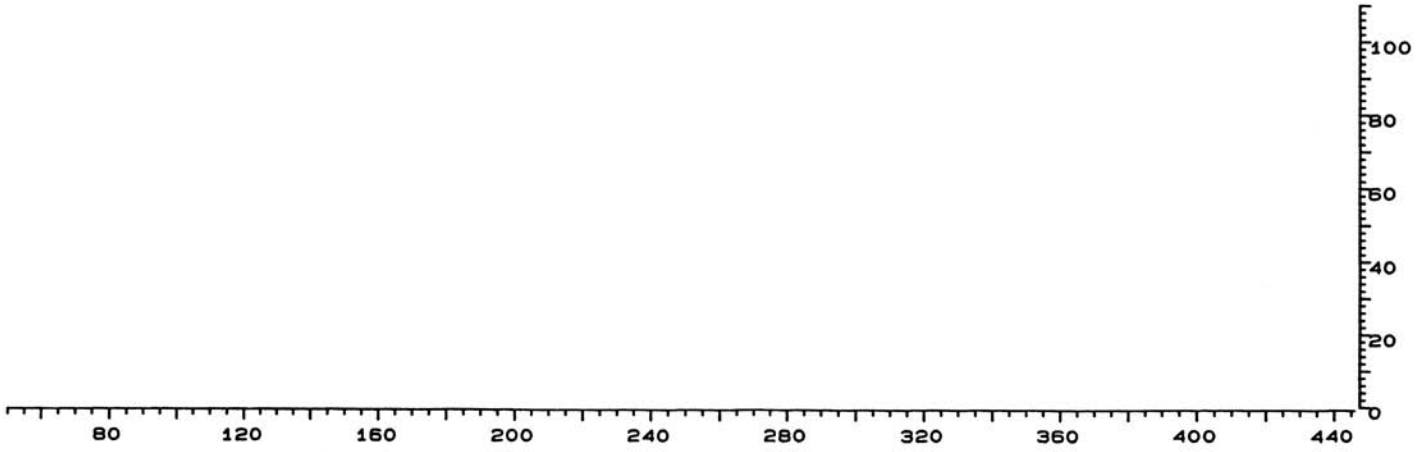
Molecular weight: 645.68 (645.14)
Synonyms: 7--[[[[(4-Ethyl-2,3-dioxo-1-piperazinyl)carbonyl]amino]-hydroxyphenyl]acetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]-methyl]-8-oxo-5-thia-1-azabicylco[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Cefobid, Cefobis

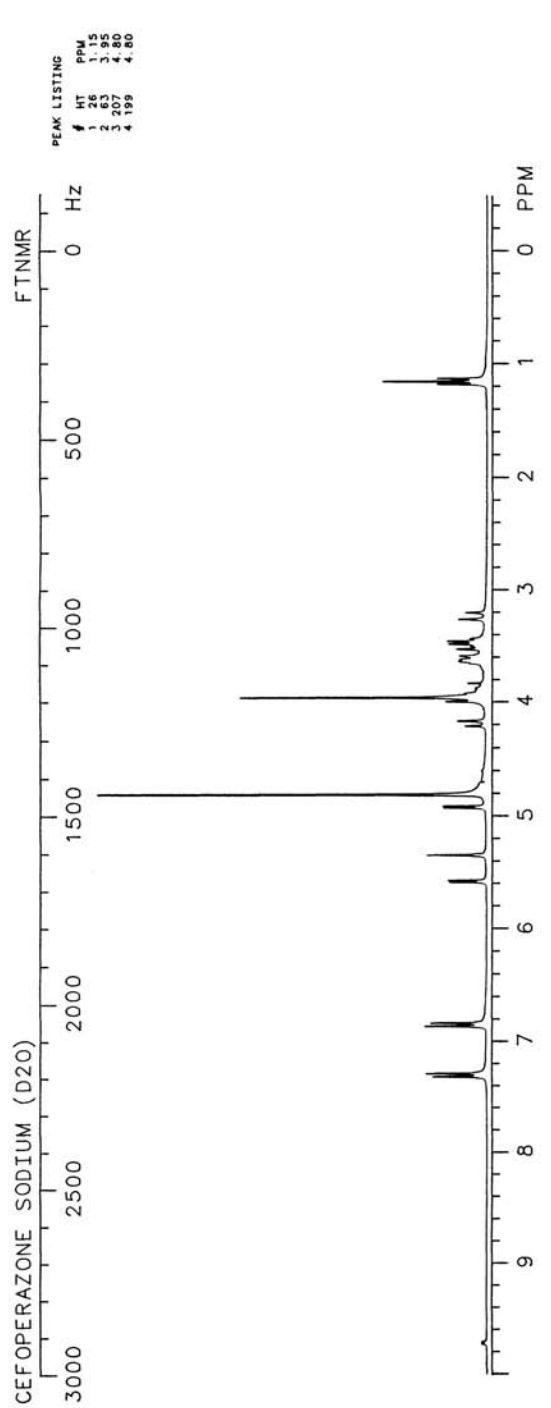
Use: Antibacterial
HPLC:
GC:

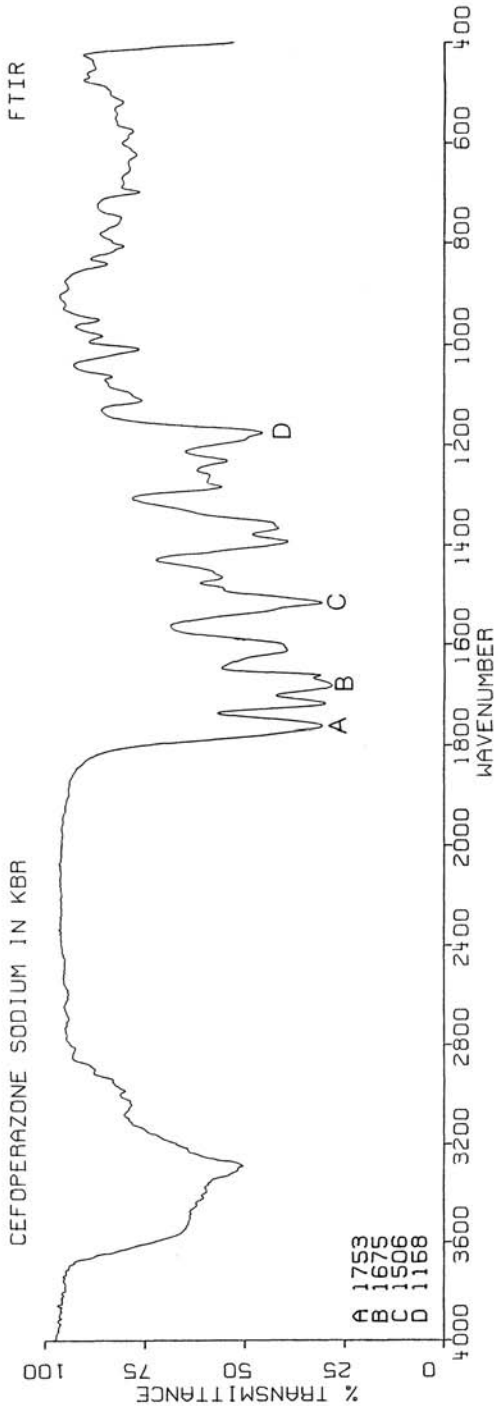




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
CEFOPERAZONE SODIUM (D2O)
PEAK LISTING
HT PPM
1 26 1.15
2 45 3.85
3 207 4.80
4 199 4.80
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

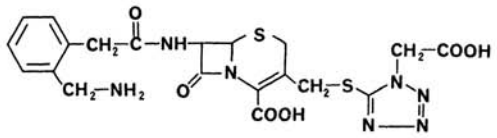

FTIR
CEFOPERAZONE SODIUM IN KBR
A 1753
B 1675
C 1506
D 1168
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

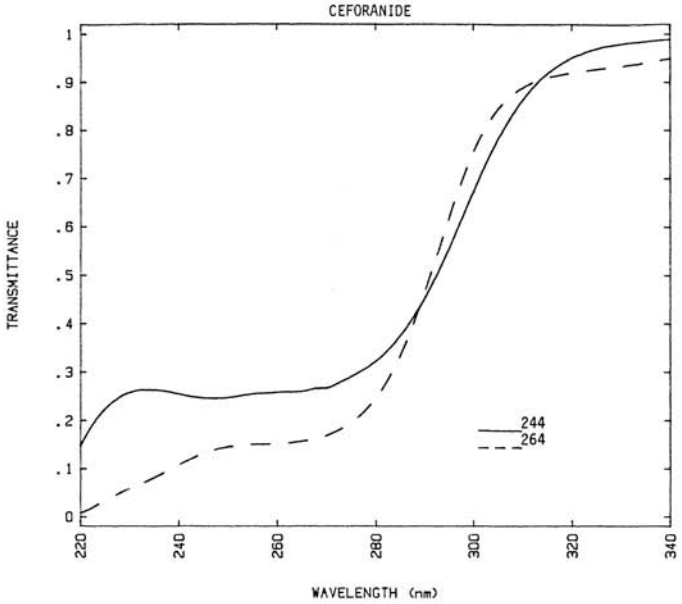
CEFORANIDE

$C_{20}H_{21}N_7O_6S_2$

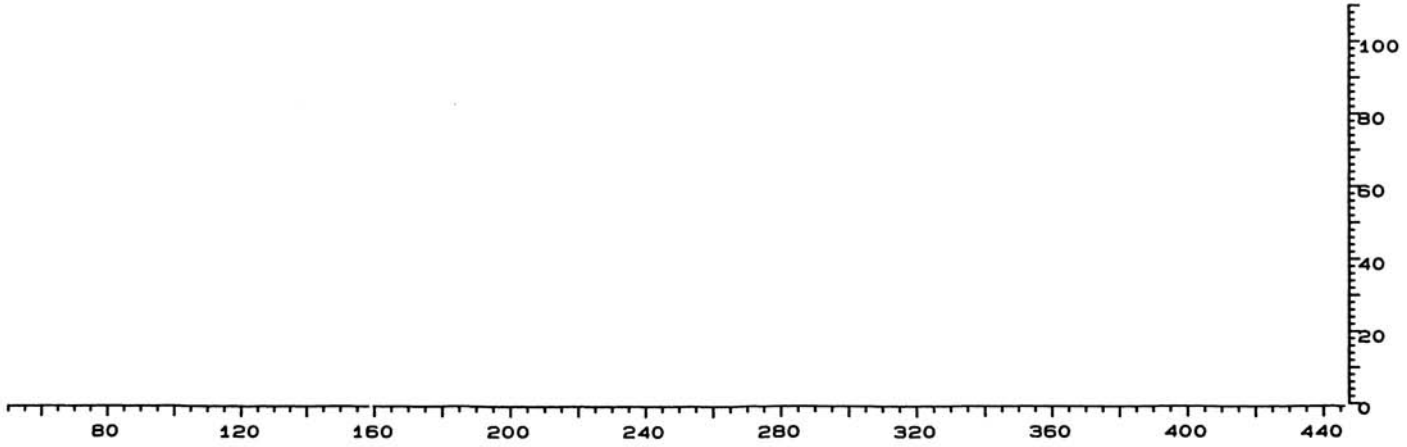
Molecular weight: 519.56 (519.10)
Synonyms: 7-[[[2-(aminomethyl)phenyl]acetyl]amino]-3-[[[1-(carboxymethyl)-1H-tetrazol-5-yl]thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-8-ene-2-carboxylic acid
Trade names: Precef

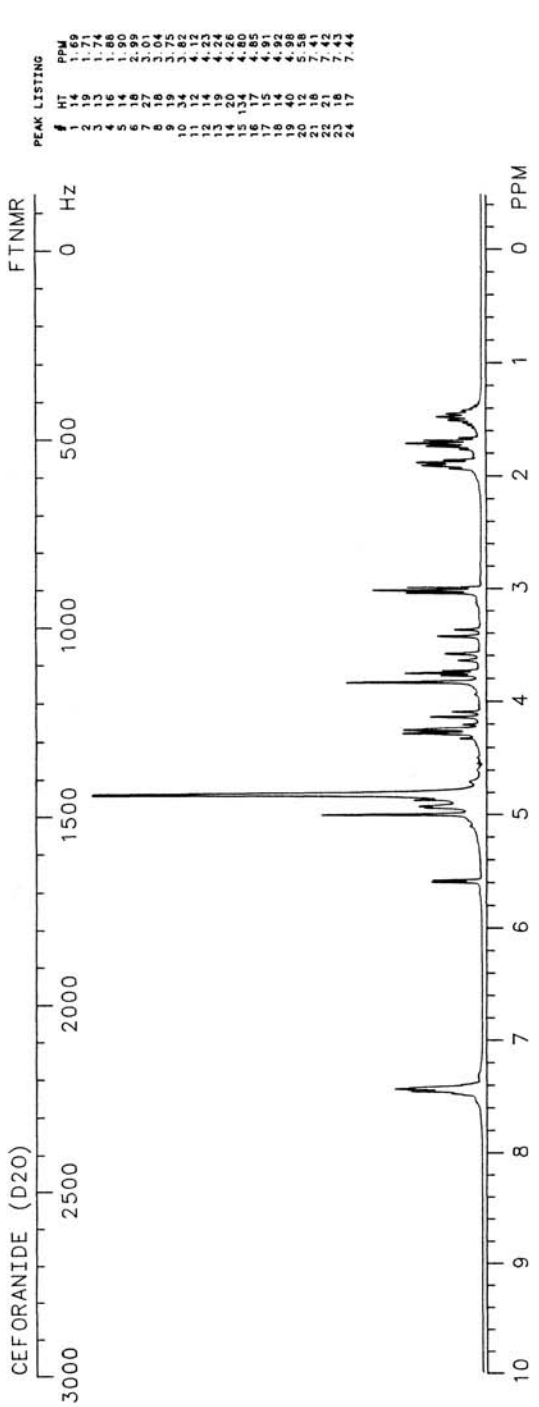
Use: Antibacterial
HPLC:
GC:

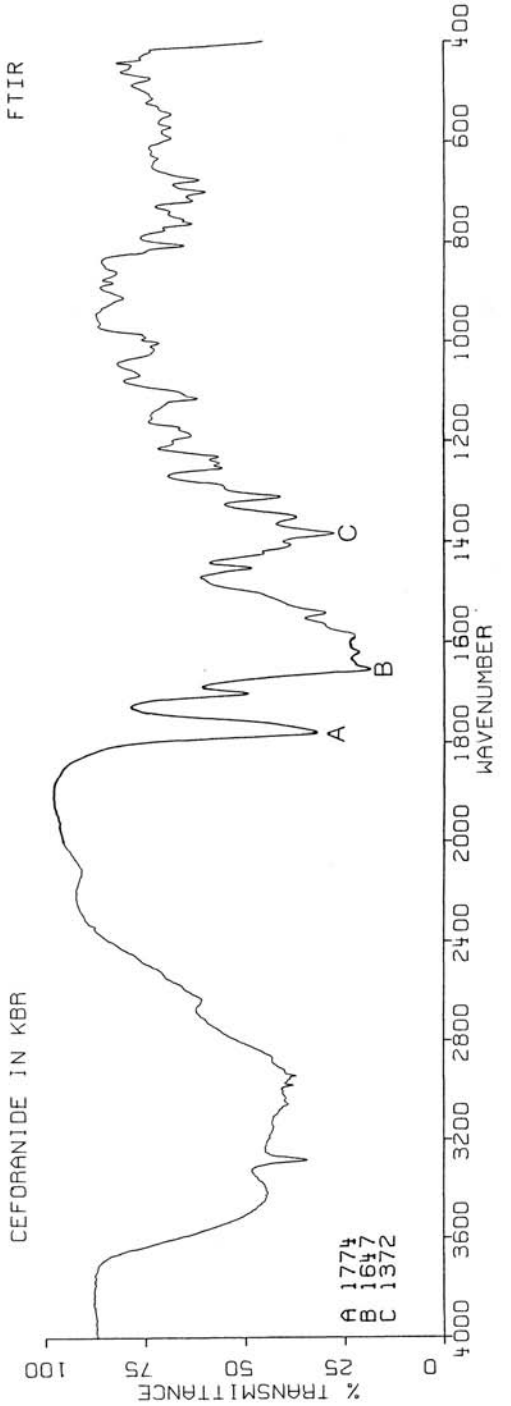




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
CEFORANIDE (D2O)
PEAK LISTING
HT PPM
1 14 1.69
2 19 1.71
3 13 1.74
4 16 1.86
5 14 1.90
6 15 1.99
7 27 3.01
8 18 3.04
9 19 3.75
10 34 3.82
11 12 4.12
12 14 4.23
13 19 4.24
14 20 4.26
15 134 4.80
16 17 4.85
17 15 4.91
18 14 4.92
19 40 4.98
20 12 5.56
21 18 7.41
22 21 7.42
23 18 7.43
24 17 7.44
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

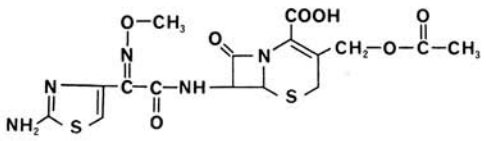

FTIR
CEFORANIDE IN KBR
A 1774
B 1647
C 1372
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

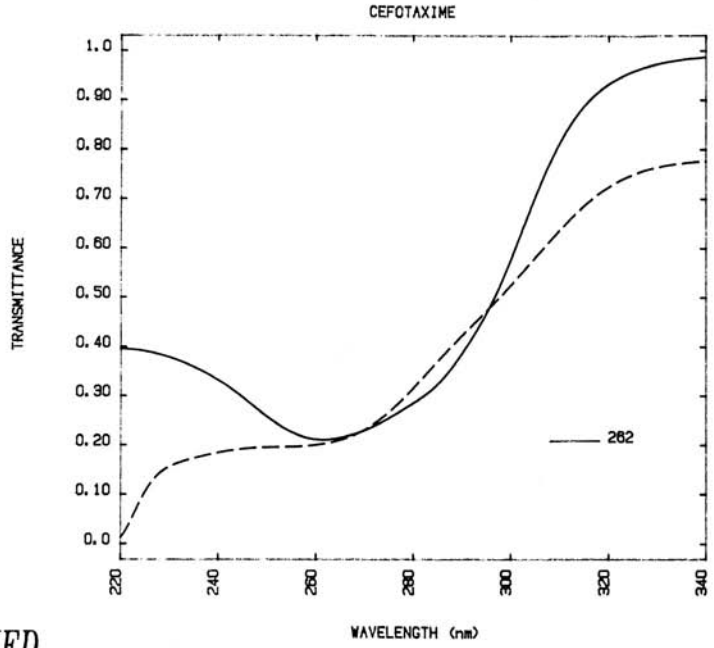
CEFOTAXIME

$C_{16}H_{17}N_5O_7S_2$

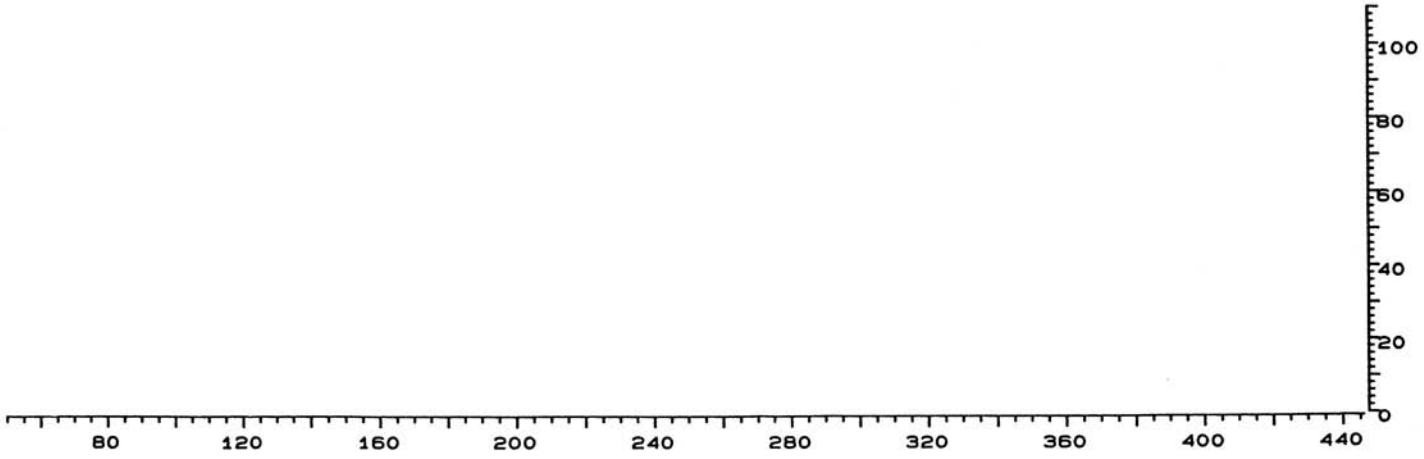
Molecular weight: 455.46 (455.06)
Synonyms: 7-[2-(2-Amino-4-thiazolyl)glyoxylamido]-3-(hydroxy-methyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate-7^2-(Z)-(O-methyloxime)acetate
Trade names: Claforan

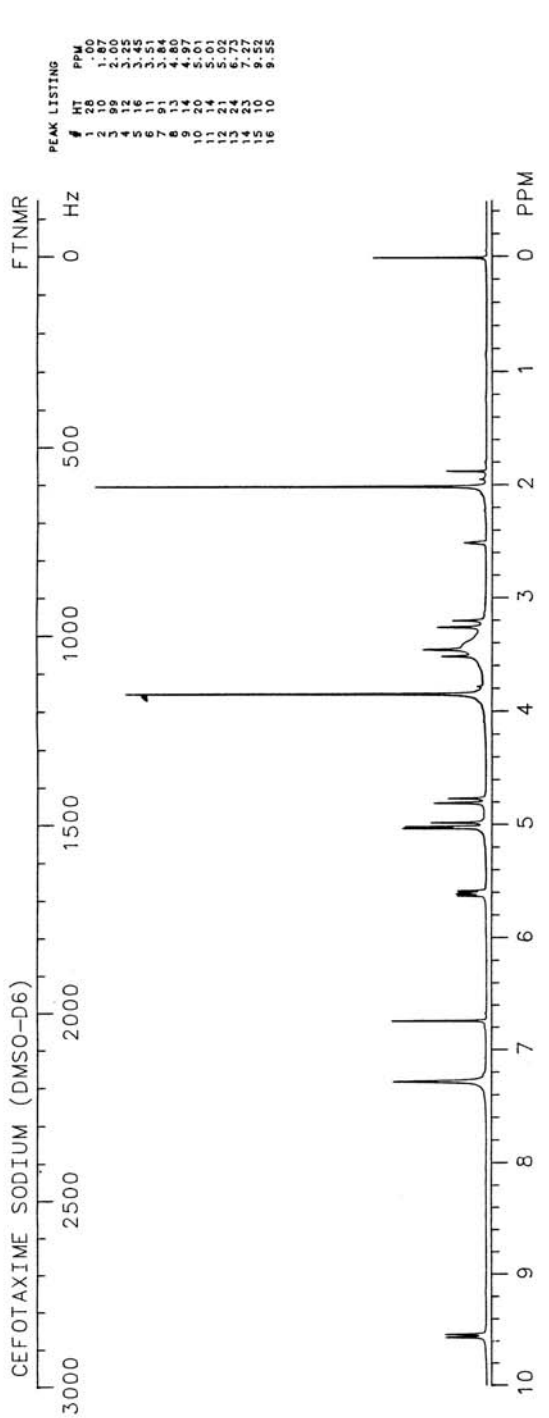
Use: Antibiotic
HPLC:
GC:

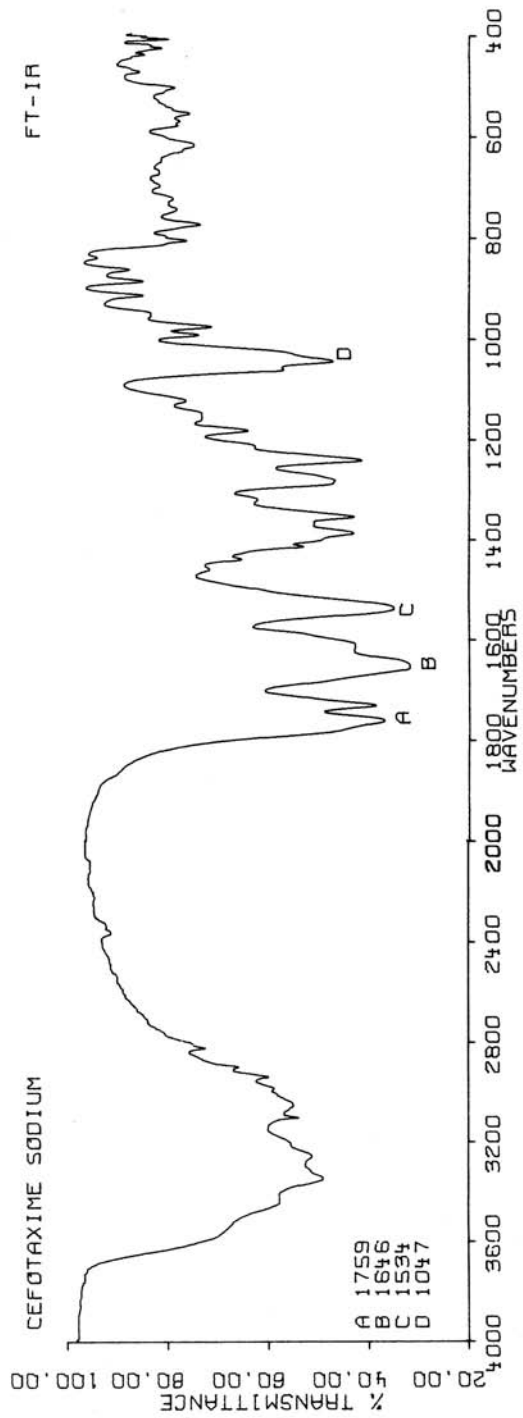




NO USEFUL MASS SPECTRUM WAS OBTAINED




CEFOTAXIME SODIUM (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 28 .00
2 10 1.87
3 99 2.00
4 12 3.25
5 16 3.45
6 11 3.51
7 91 3.84
8 13 4.80
9 14 4.97
10 20 5.01
11 14 5.01
12 21 5.02
13 24 6.73
14 23 7.27
15 10 9.52
16 10 9.55


FT-IR
CEFOTAXIME SODIUM
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1759
B 1646
C 1534
D 1047
A
B
C
D

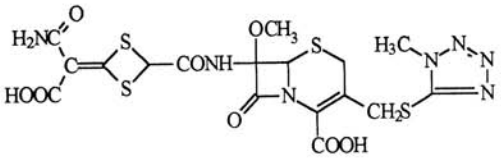
CEFOTETAN

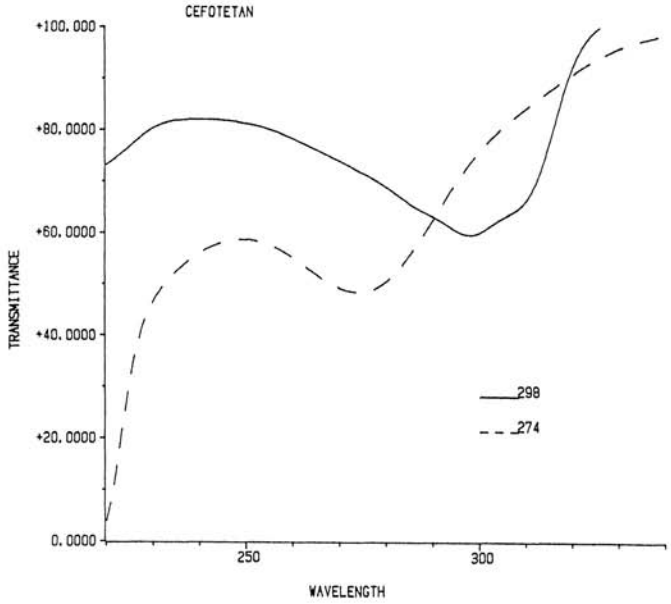
$C_{17}H_{17}N_7O_8S_4$

Molecular Weight: 575.60 (575.00)

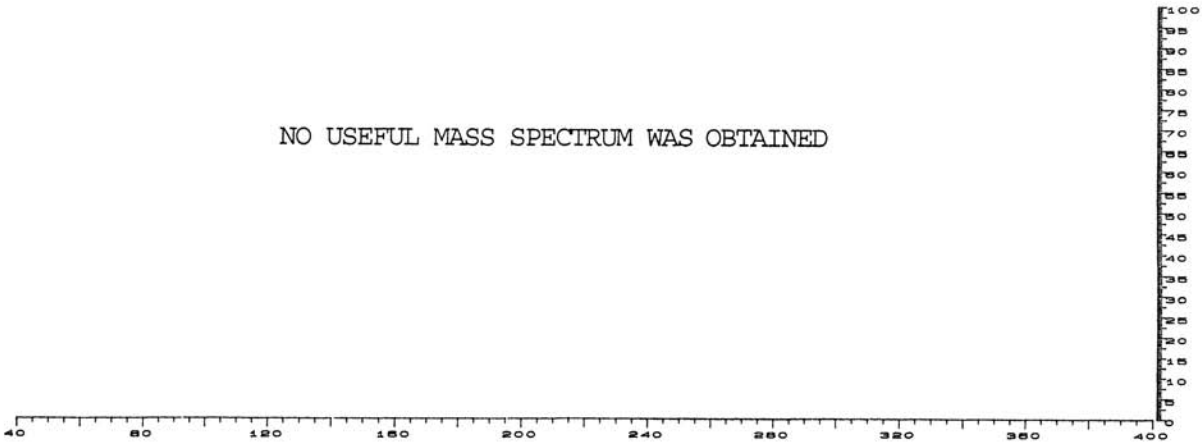
Synonyms: [6R-(6α,7α)]-7-[[[4-(2-Amino-1-carboxy-2-oxoethylidene)-1,3-dithietan-2-yl]carbonyl]-amino]-7-methoxy-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade Names: Apatef, Cefotan, Ceftenon, Cepan, Darvilen, Yamatetan
Use: Antibacterial

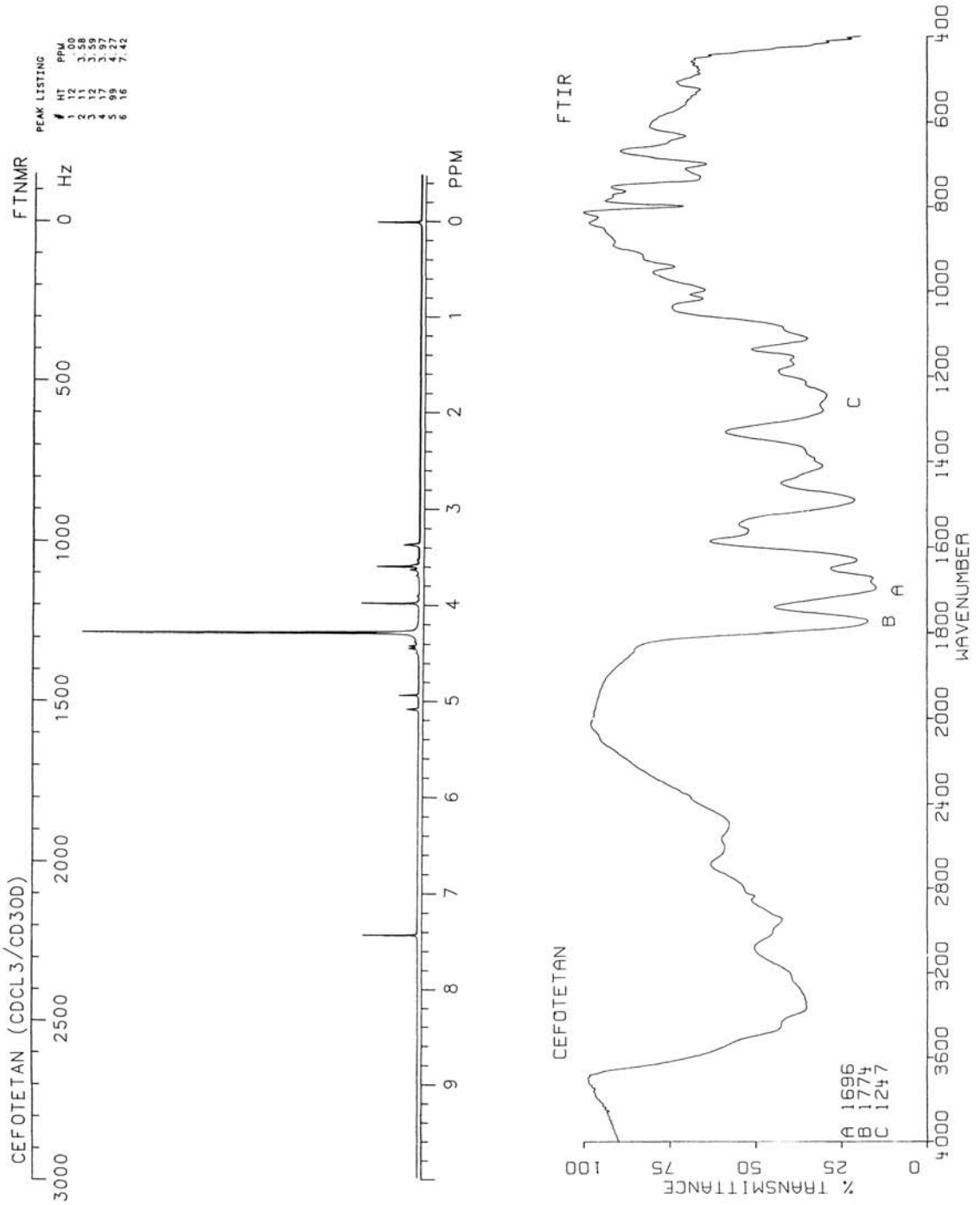
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



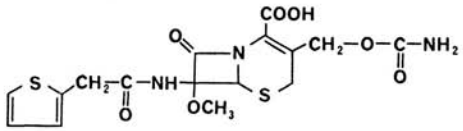

FTNMR
CEFOTETAN (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 12 1.00
2 11 3.58
3 12 3.59
4 17 3.97
5 99 4.27
6 16 7.42
Hz
PPM
FTIR
CEFOTETAN
A 1696
B 1774
C 1247
% TRANSMITTANCE
WAVENUMBER

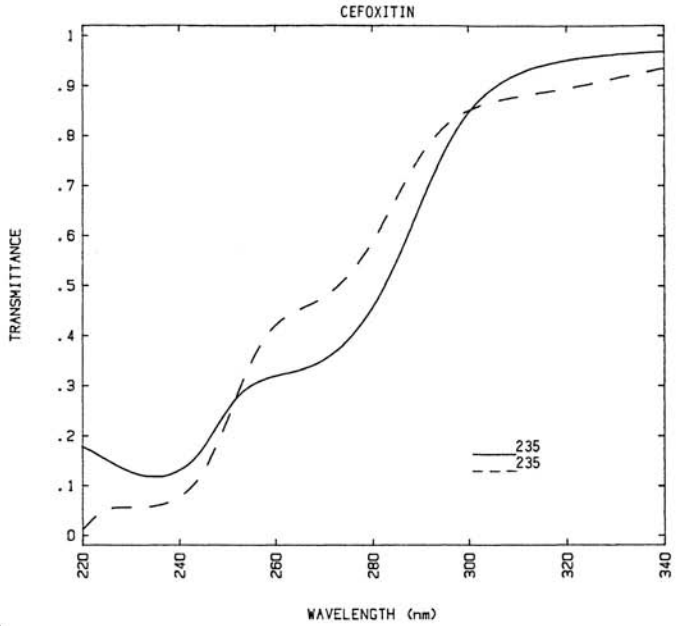
CEFOXITIN

$C_{16}H_{17}N_3O_7S_2$

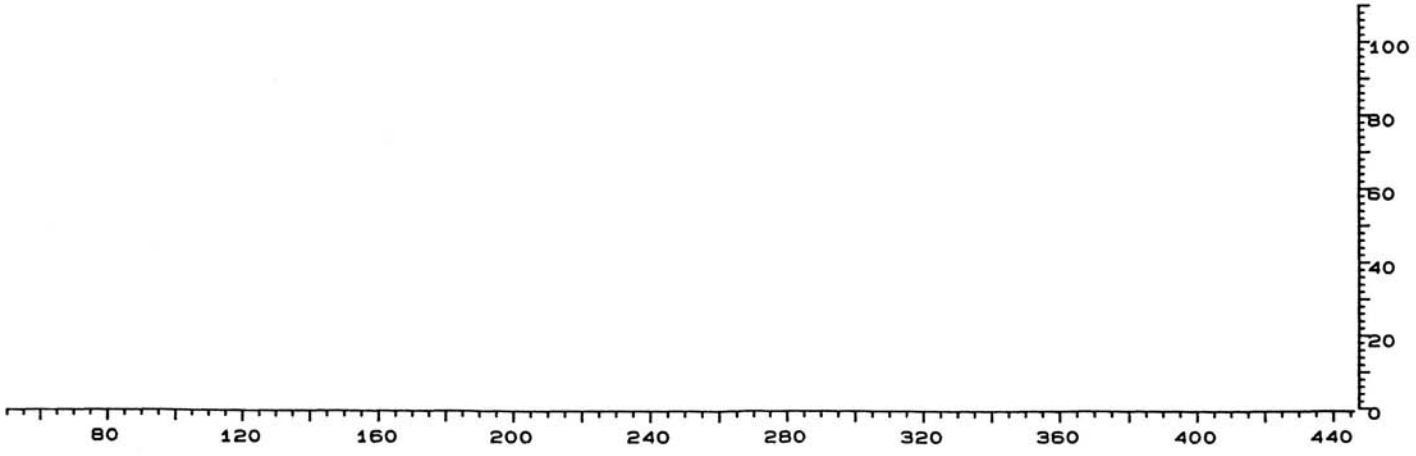
Molecular weight: 427.46 (427.05)
Synonyms: (6R-cis)-3-[[(Aminocarbonyl)oxy]methyl]-7-methoxy-8-oxo-7-[(2-thienylacetyl)amino]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Mefoxin

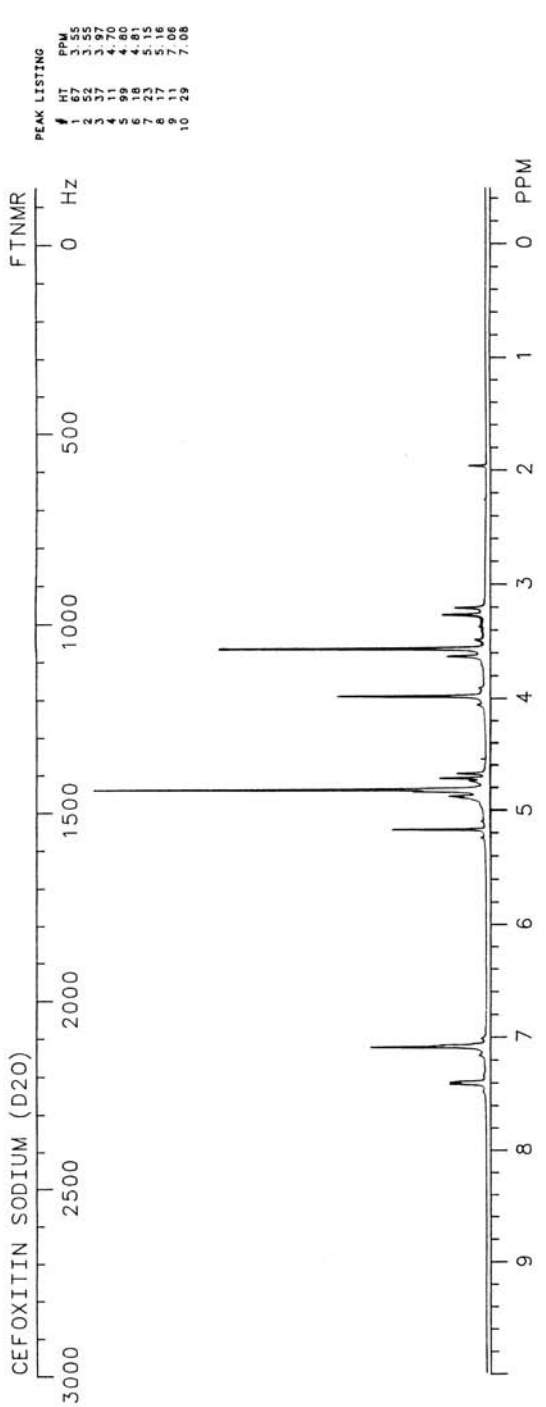
Use: Antibacterial
HPLC: Si-10; 20A:80B; 5.1
GC:

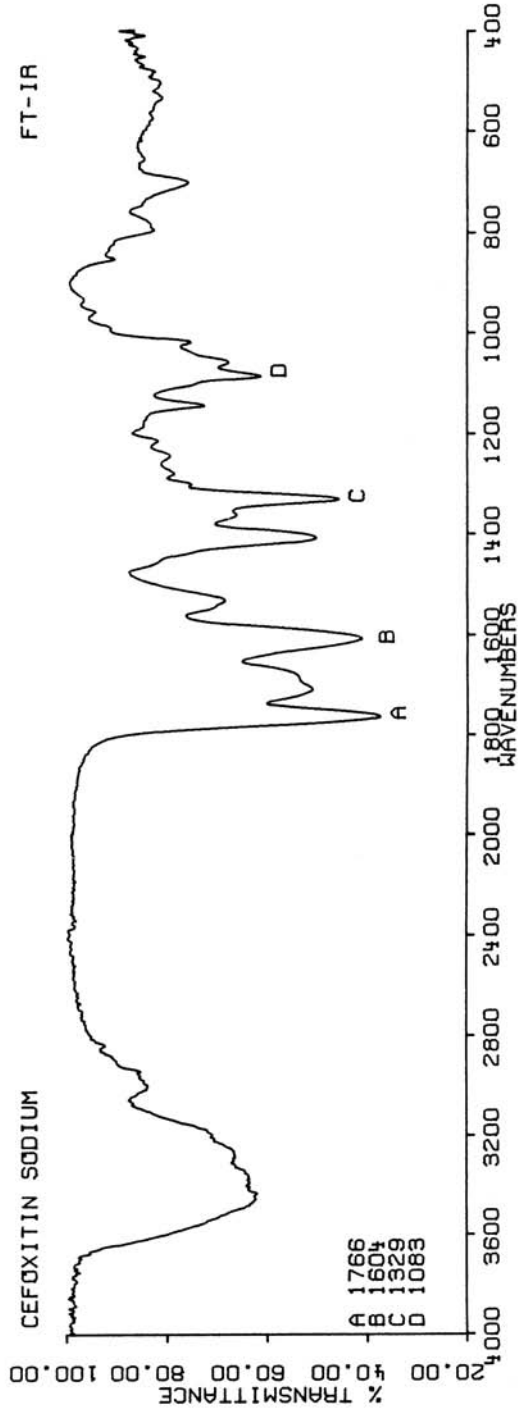




NO USEFUL MASS SPECTRUM WAS OBTAINED




CEFOXITIN SODIUM (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 67 3.55
2 52 3.55
3 37 3.67
4 11 4.70
5 99 4.80
6 18 4.81
7 23 5.15
8 17 5.16
9 11 7.06
10 29 7.08


CEFOXITIN SODIUM
FT-IR
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1766
B 1604
C 1329
D 1083

CEFSULODIN

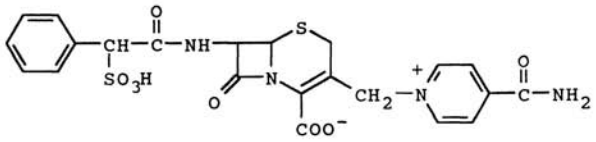
$C_{22}H_{20}N_4O_8S_2$

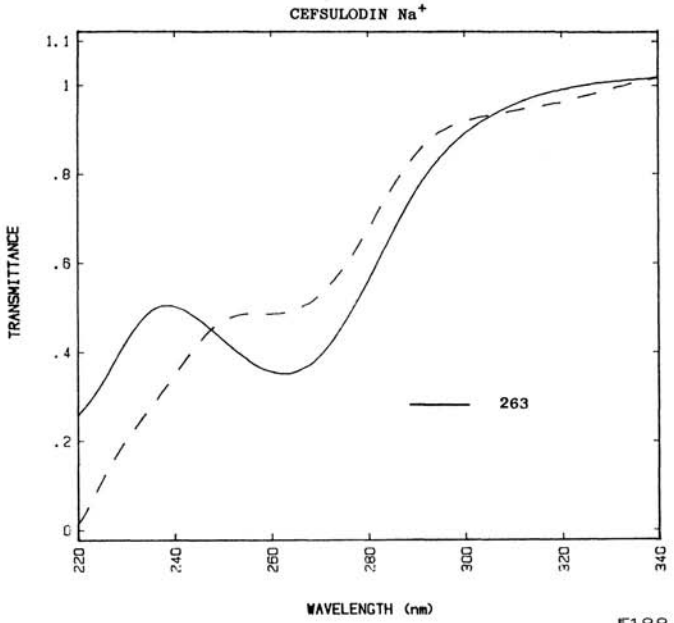
Molecular weight: 532.55 (532.07)

Synonyms: [6R-[6α,7β(R)]]-4-(Aminocarbonyl)-1-[[2-carboxy-8-oxo-7-[(phenyl-sulfoacetyl)amino]-5-thia-1-azabicyclo [4.2.0]oct-2-en-3-yl]methyl]-pyridinium hydroxide inner salt; sulcephalosporin

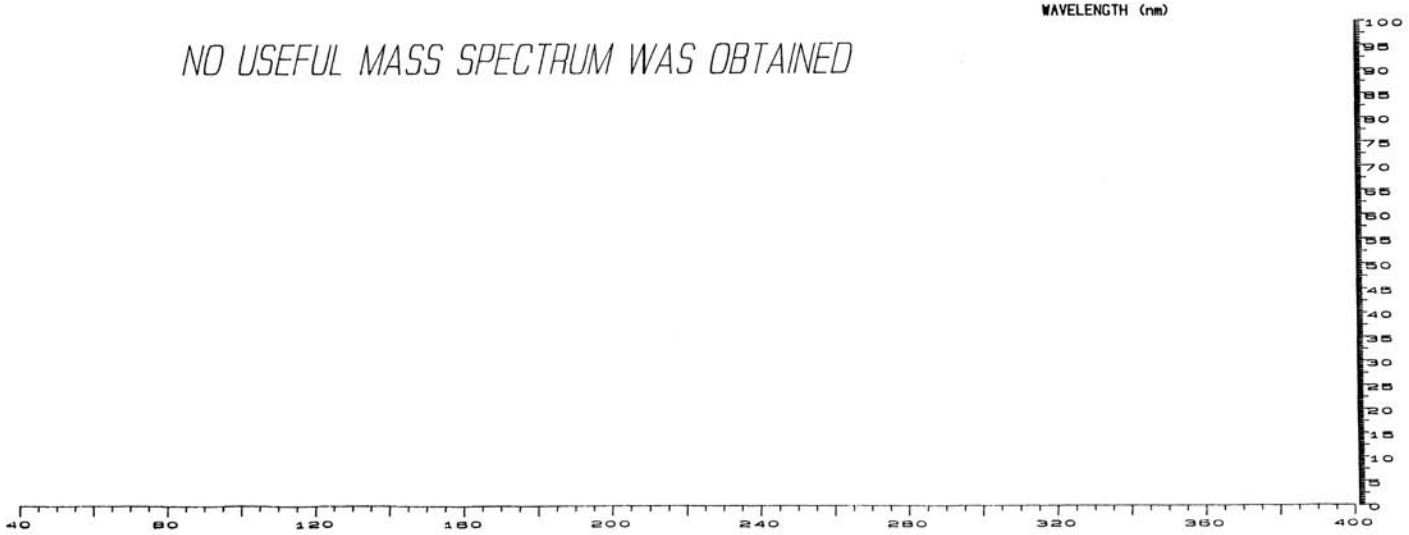
Trade names: Cefomonil, Monaspor, Pseudomonil, Pseudocef, Pyocefal, Takesulin, Tilmapor, Ulfaret

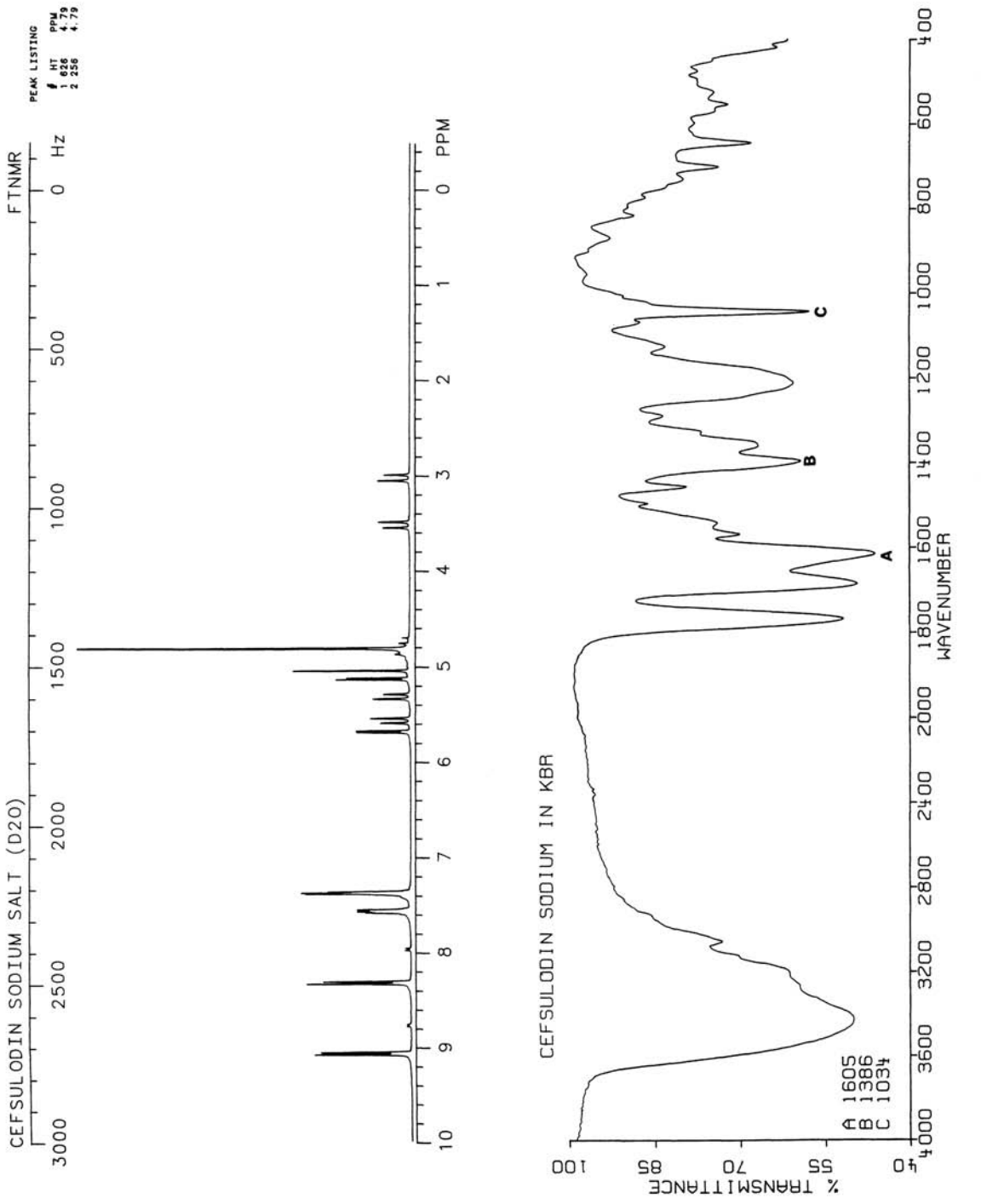
Use: Antibacterial
HPLC: 50A:50C; 1.3
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




CEFSULODIN SODIUM SALT (D2O)
FTNMR
PEAK LISTING
HT PPM
1 626 4.79
2 256 4.79
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CEFSULODIN SODIUM IN KBR
A 1605
B 1386
C 1034
A
B
C
100 85 70 55 40
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

CEFTAZIDIME

$C_{22}H_{22}N_6O_7S_2$

Molecular Weight: 546.57 (546.10)

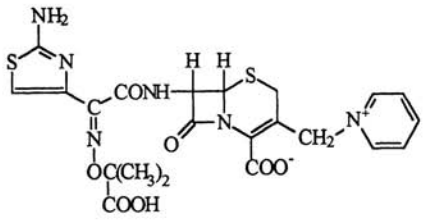
Synonyms: [6R-[6α,7β(Z)]]-1-[[7-[[(2-Amino-4-thiazolyl)[(1-carboxy-1-methylethoxy)imino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]pyridinium hydroxide, inner salt; Fortam; Ketamin; Modacin

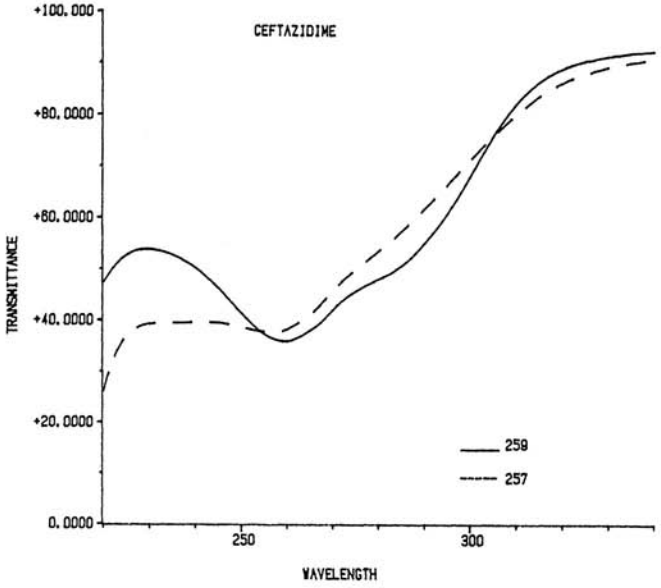
Trade Names: Ceftim, Ceptaz, Fortaz, Fortum, Glazidim, Kefazim, Panzid, Spectru,. Tazicef, Tazidime,

Use: Antibacterial

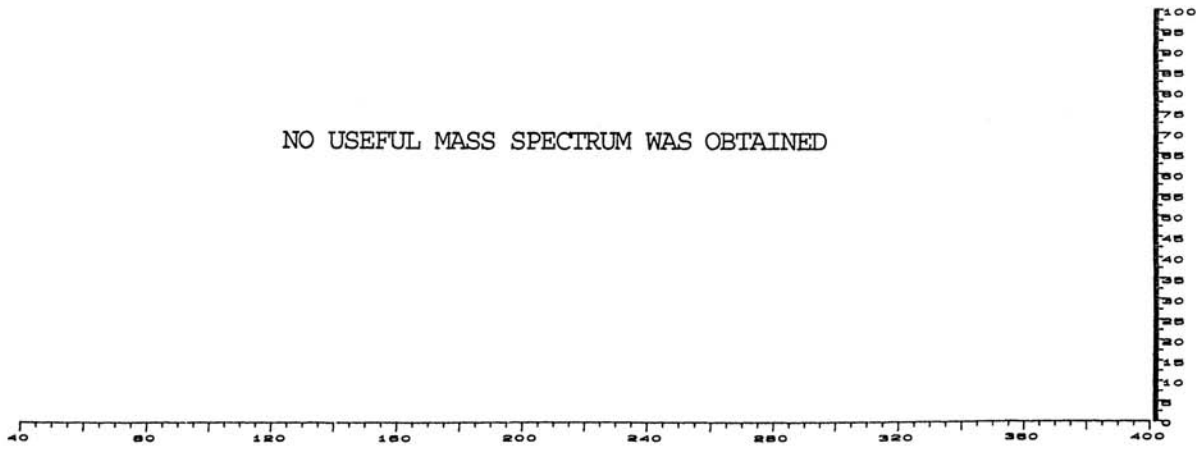
HPLC:

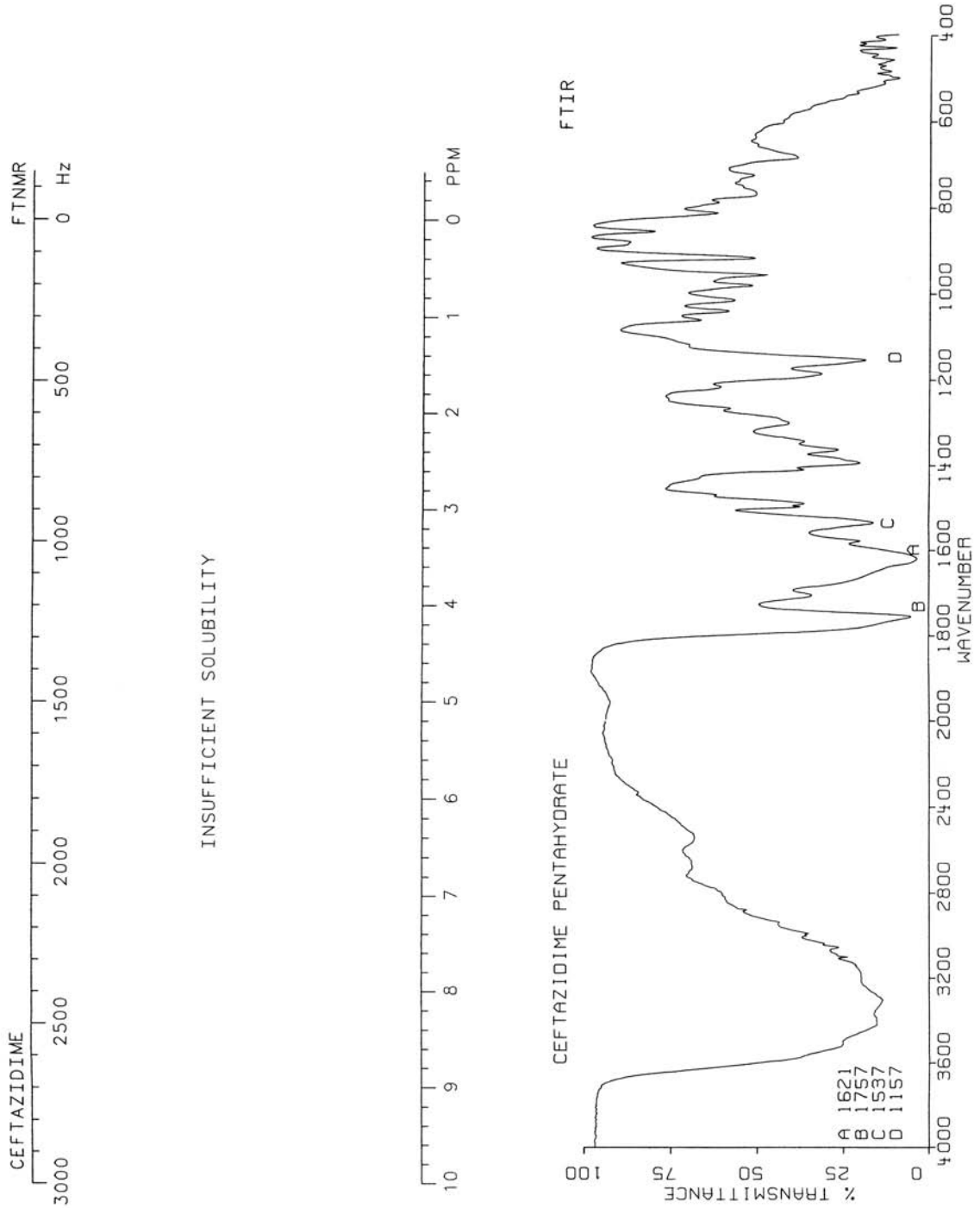
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



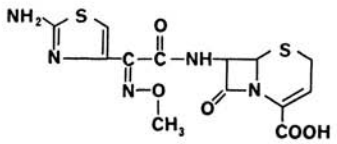

CEFTAZIDIME
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
CEFTAZIDIME PENTAHYDRATE
FTIR
A 1621
B 1757
C 1537
D 1157
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

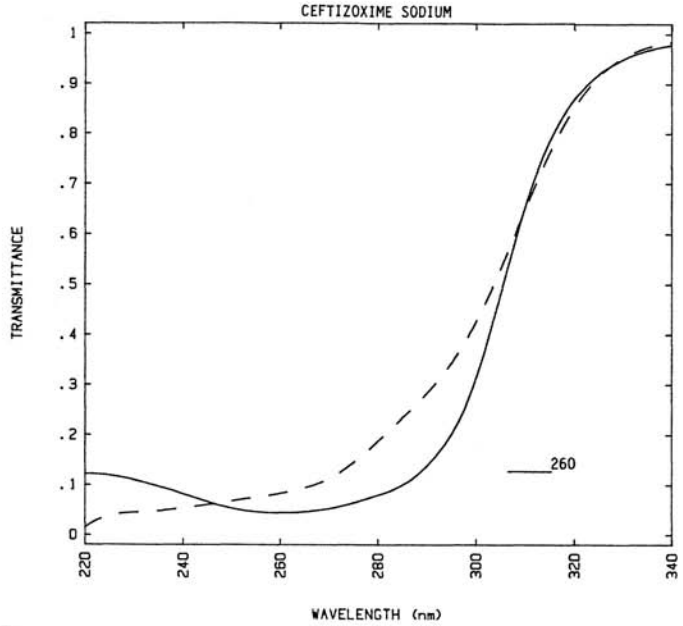
CEFTIZOXIME

$C_{13}H_{13}N_5O_5S_2$

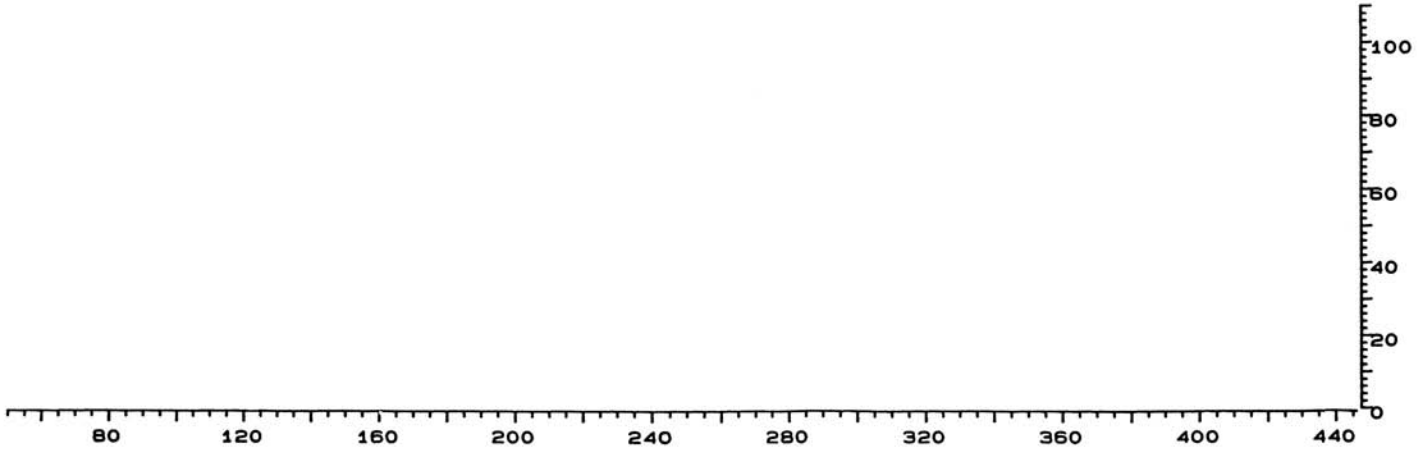
Molecular weight: 383.40 (383.04)
Synonyms: 7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicylo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Epocelin, Cefizox

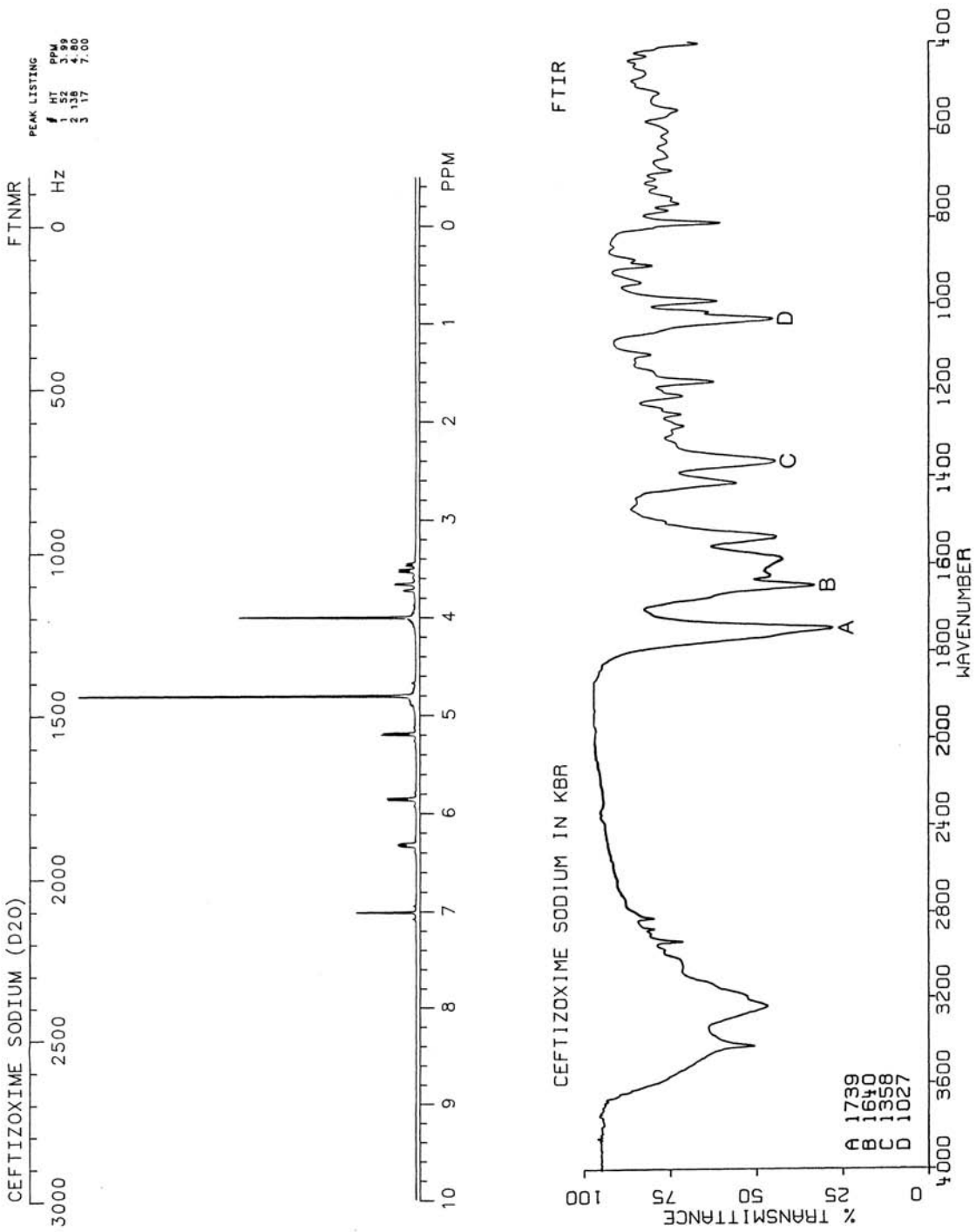
Use: Antibacterial
HPLC: Si-10; 20A:80B; 5.0
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



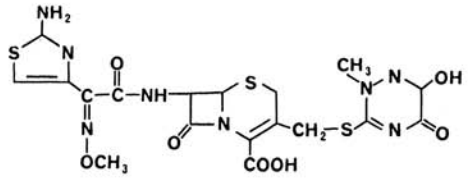

CEFTIZOXIME SODIUM (D2O)
FTNMR
PEAK LISTING
HT PPM
1 52 3.99
2 138 4.80
3 17 7.00
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CEFTIZOXIME SODIUM IN KBR
FTIR
A 1739
B 1640
C 1358
D 1027
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

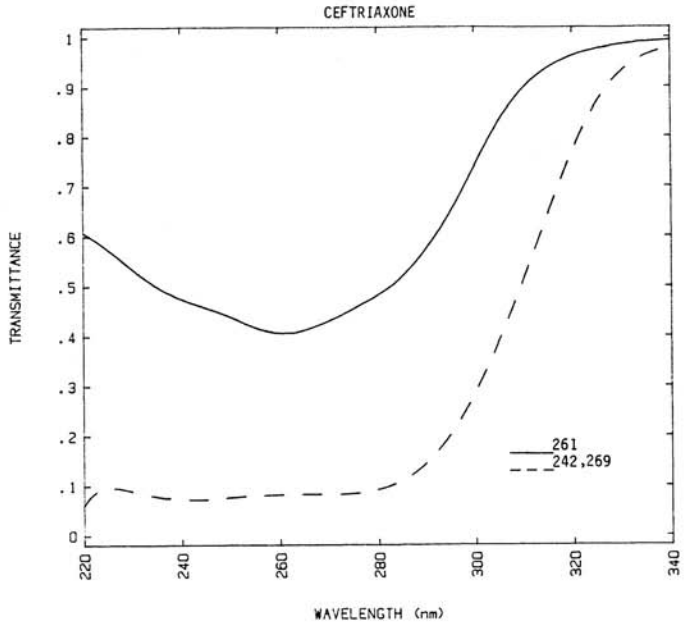
CEFTRIAXONE

$C_{18}H_{18}N_8O_7S_3$

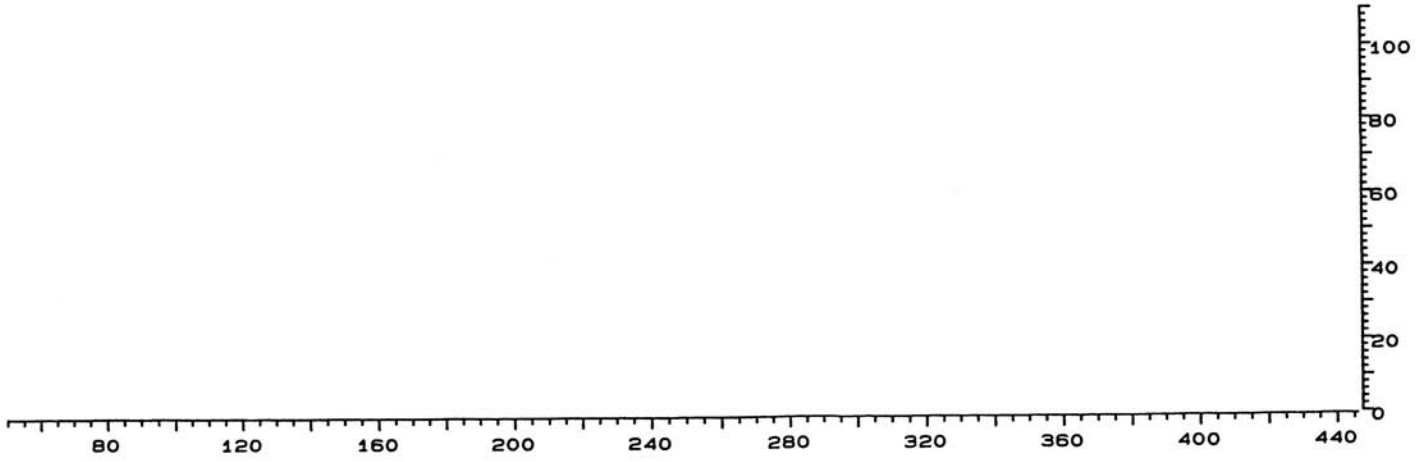
Molecular weight: 554.58 (554.05)
Synonyms: 7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-8-oxo-3-[[(1,2,5,6-tetrahydro-2-methyl-5,6-dioxo-1,2,4-triazin-3-yl)thio]-methyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Cefatriaxone, Rocephin

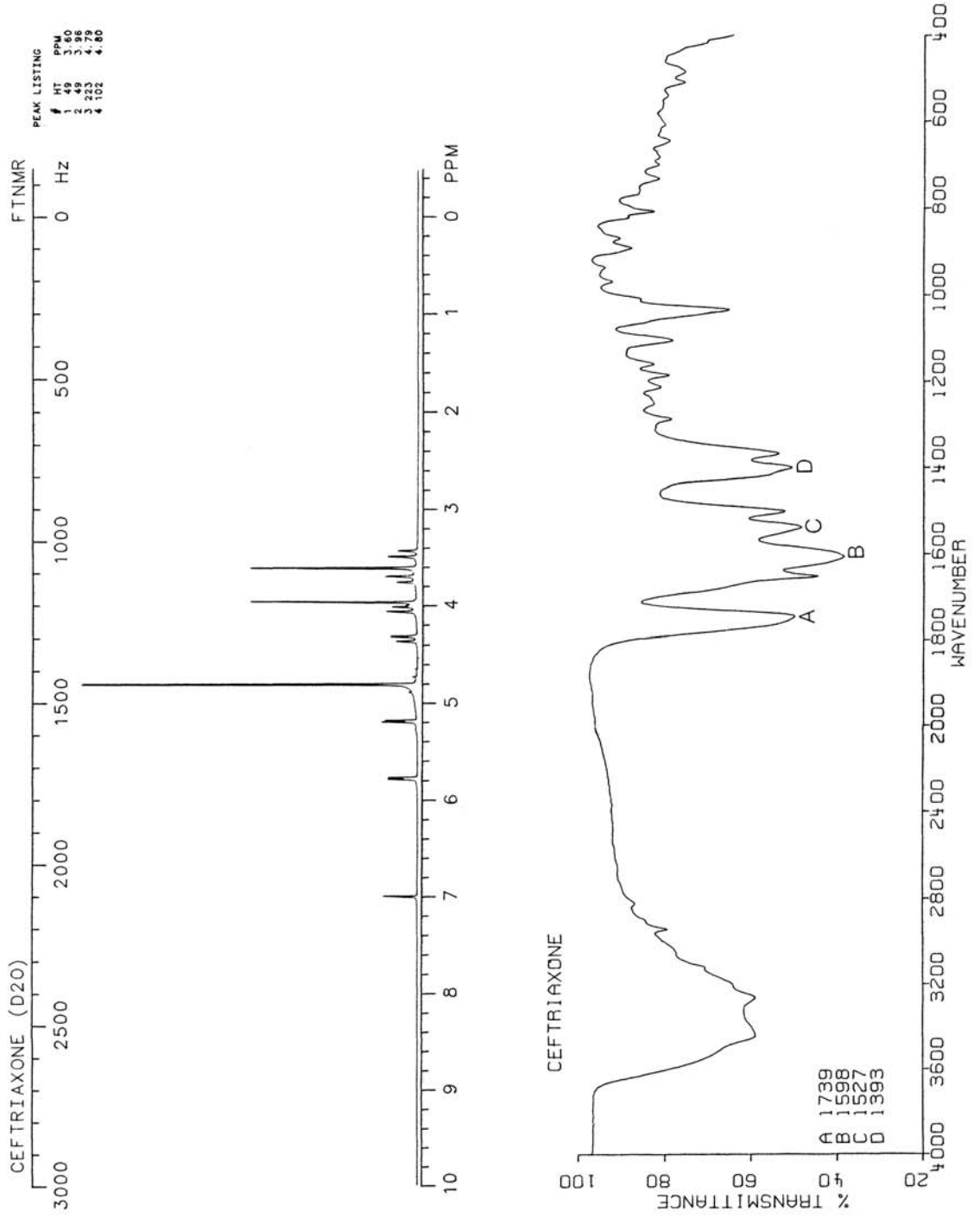
Use: Antibacterial
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

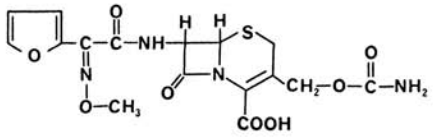


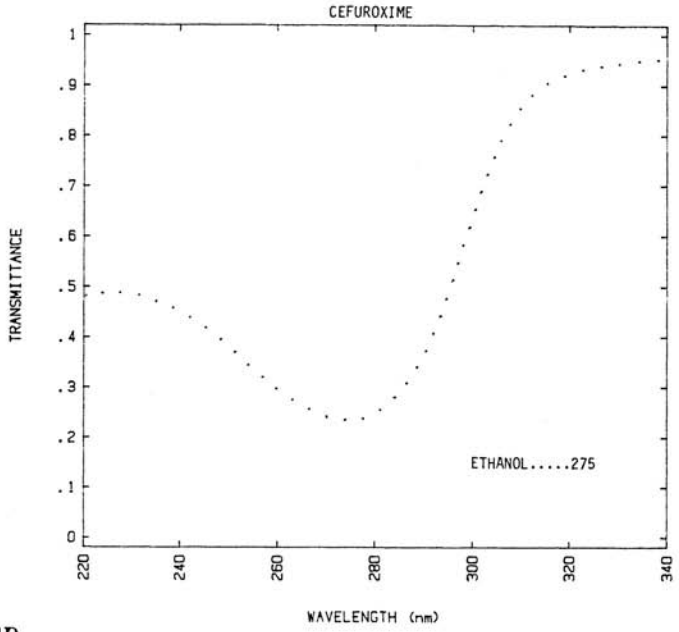

CEFTRIAXONE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 49 3.60
2 49 3.96
3 223 4.79
4 102 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CEFTRIAXONE
% TRANSMITTANCE
100 80 60 40 20
A 1739
B 1598
C 1527
D 1393
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D

CEFUROXIME

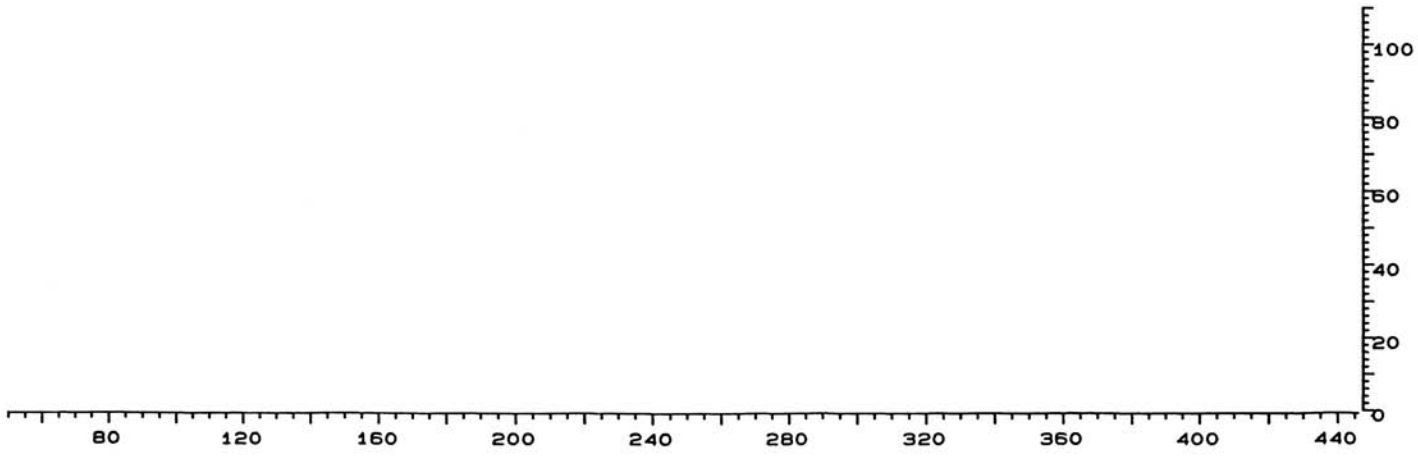
$C_{16}H_{16}N_4O_8S$

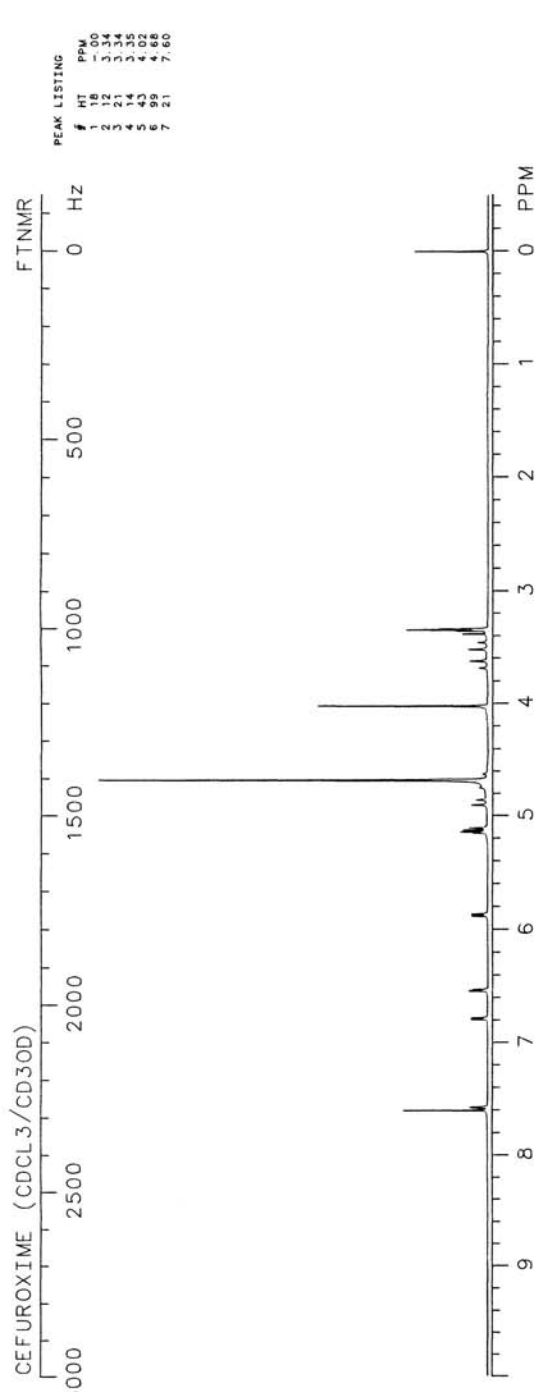
Molecular weight: 424.40 (424.07)
Synonyms: 3-[[(Aminocarbonyl)oxy]methyl]-7-[[2-furanyl(methoxyimino)-acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Biociclin, Cefoprim, Cefossim, Cefurex, Cefurin, Curoxim, Kesint, Vltroxim, Zinacef
Use: Antibacterial
HPLC: Si-10; 20A:80B; 3.9
GC:

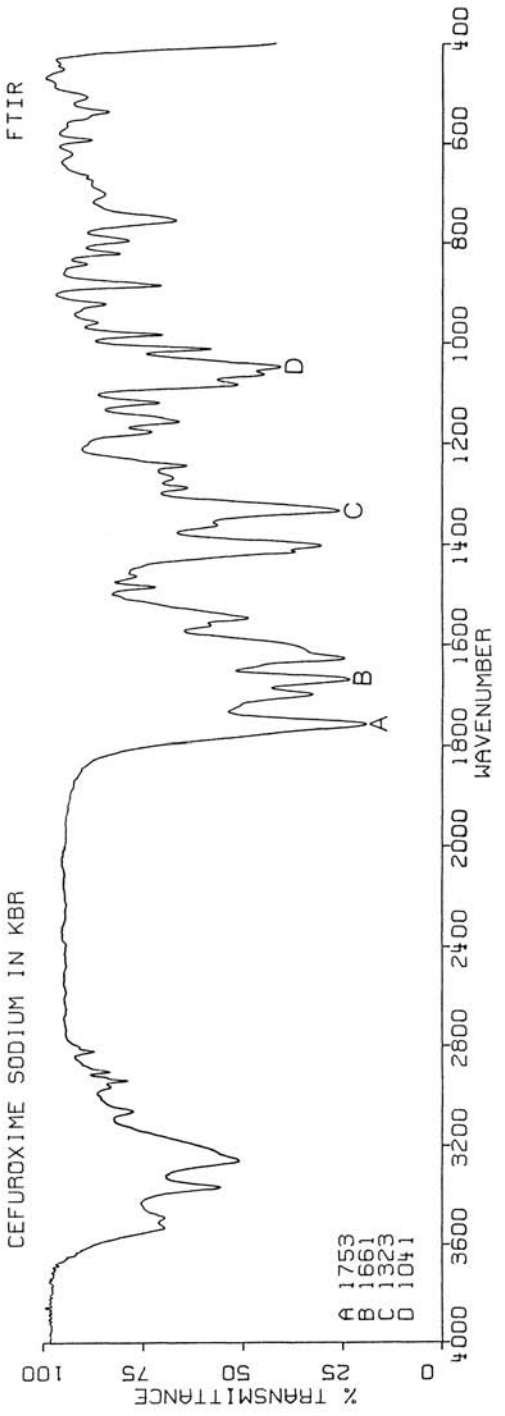




NO USEFUL MASS SPECTRUM WAS OBTAINED



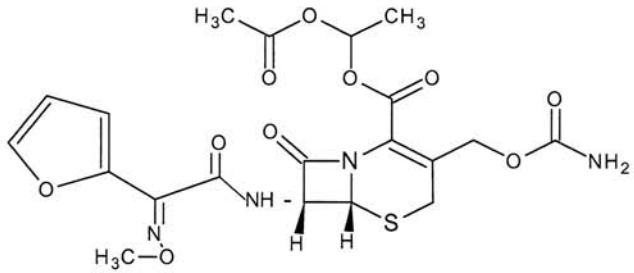

FTNMR
CEFUROXIME (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 18 1.00
2 12 1.34
3 21 3.34
4 14 3.35
5 43 4.02
6 99 4.68
7 21 7.60

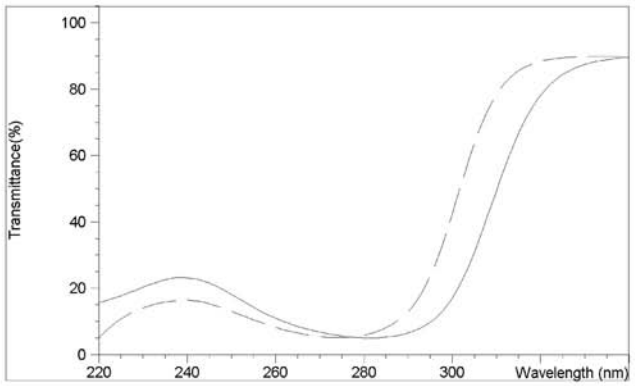

FTIR
CEFUROXIME SODIUM IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1753
B 1661
C 1323
D 1041
A
B
C
D

CEFUROXIME AXETIL

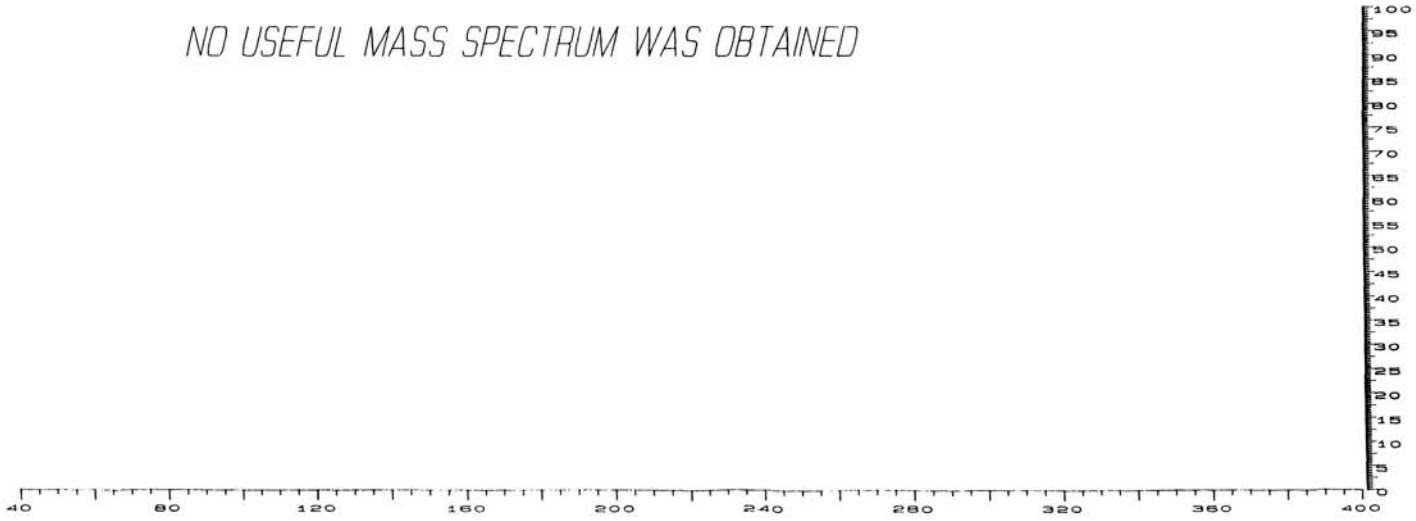
$C_{20}H_{22}N_4O_{10}S$

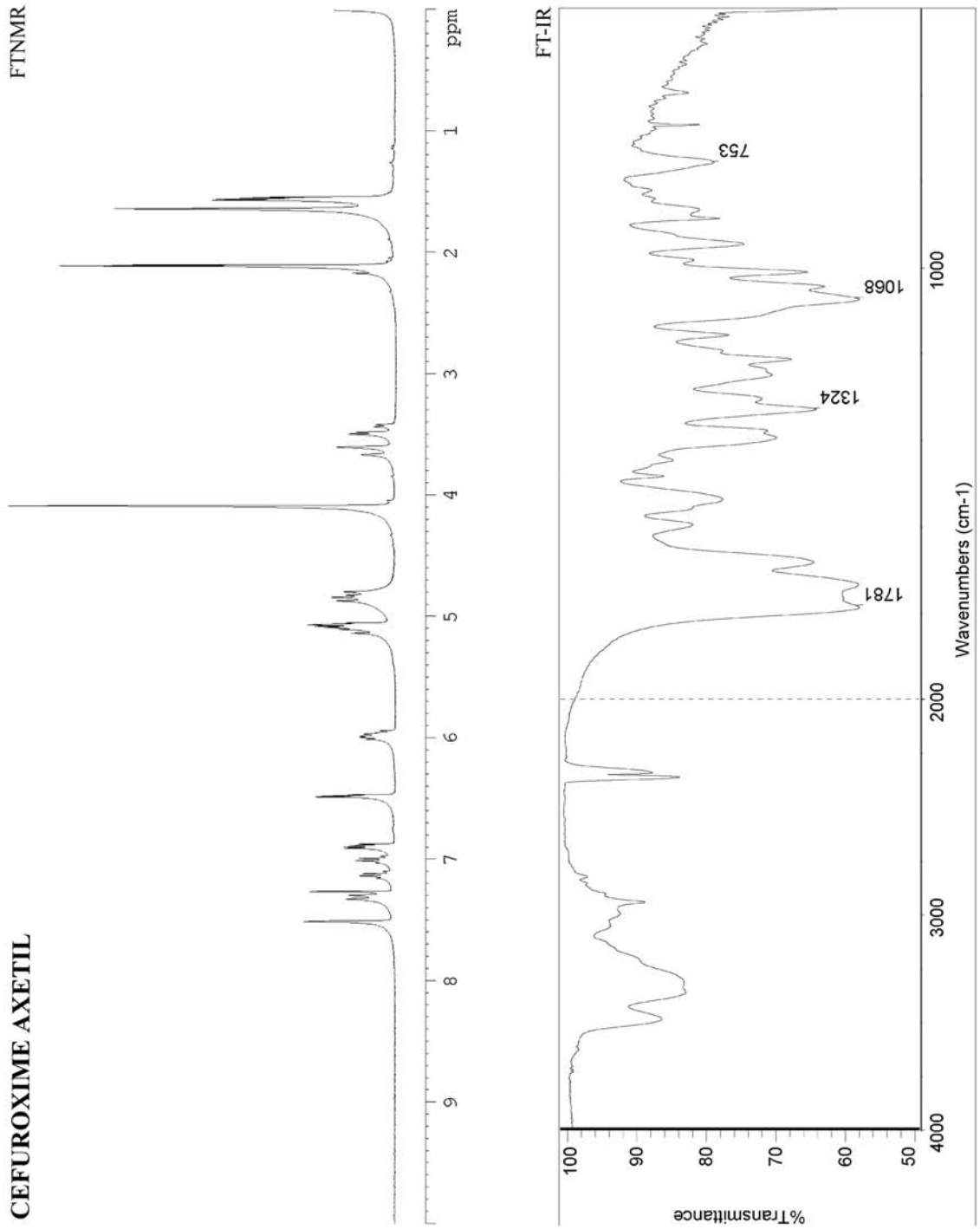
Molecular Weight: 510.48 (510.11)
Synonyms: [6R,7R)-3-[[(Aminocarbonyl)oxy]methyl]-7-[[2-furanyl (methoxyimino)acetyl]amino]-8-oxo-5-Thia-1-azabicyclo[4.2.0]oct-2-ene -2-carboxylic-1-(acetyloxy)ethyl ester
Trade names: Cefurax, Ceftin, Cepazine, Elobact, Oraxim, Zinat, Zinnat
Use: Antibacterial





NO USEFUL MASS SPECTRUM WAS OBTAINED



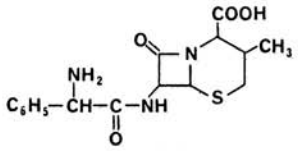

CEFUROXIME AXETIL
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
100
90
80
70
60
50
4000
3000
2000
1000
Wavenumbers (cm-1)
1781
1324
1068
753

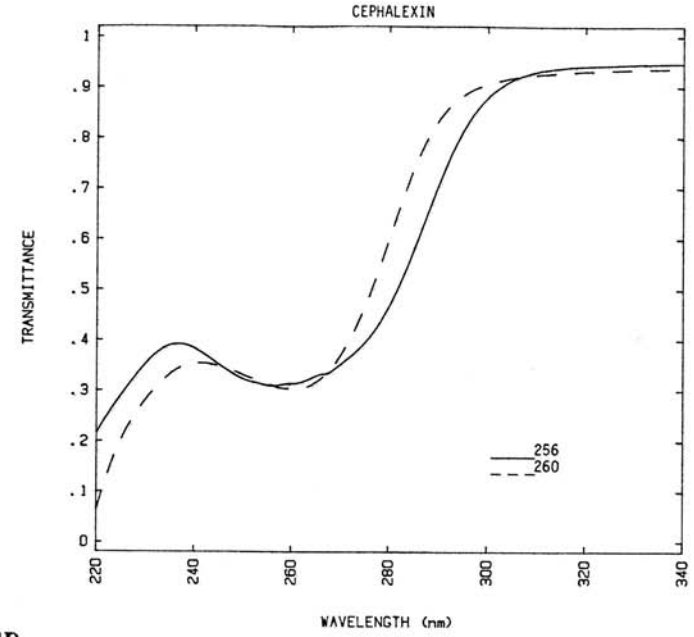
CEPHALEXIN

$C_{16}H_{17}N_3O_4S$

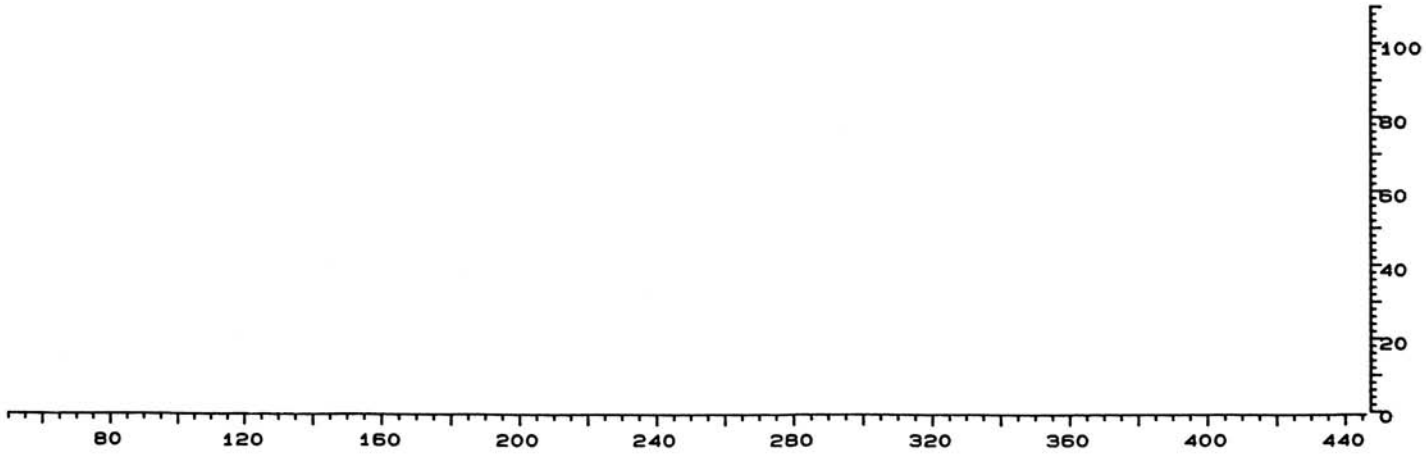
Molecular weight: 347.39 (347.09)
Synonyms: D-7-(2-Amino-2-phenylacetamido)-3-methyl-8-oxo-5-thia-1-aza-bicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Keflex

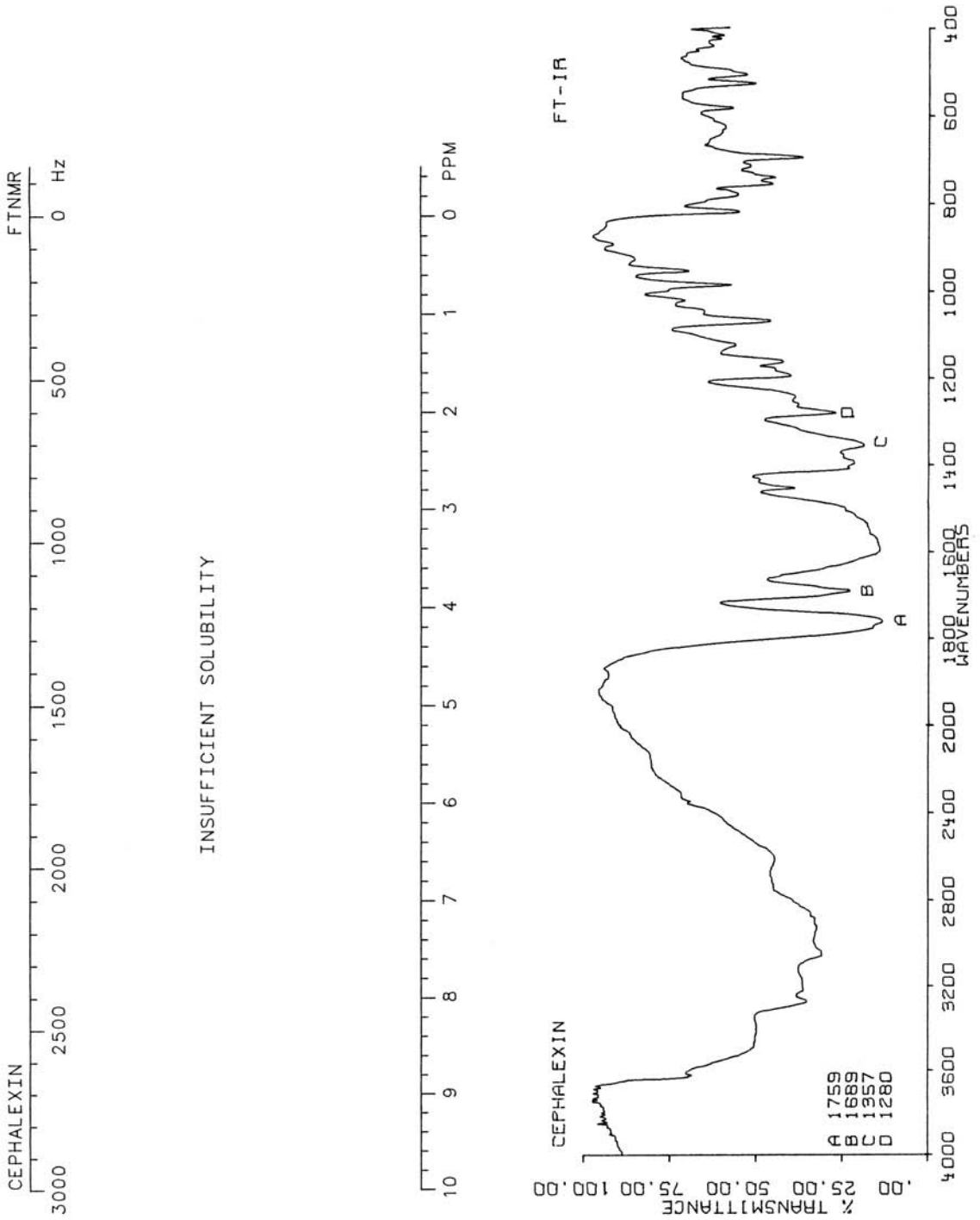
Use: Antibacterial
HPLC: Si-10; 20A:80B; 6.5
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



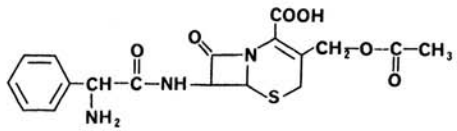

CEPHALEXIN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
CEPHALEXIN
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
A 1759
B 1689
C 1357
D 1280
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

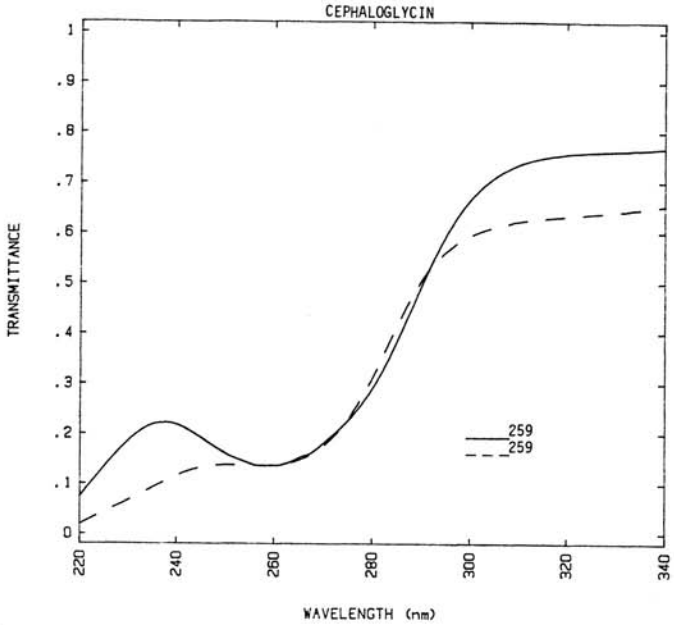
CEPHALOGYLCIN

$C_{18}H_{19}N_3O_6S$

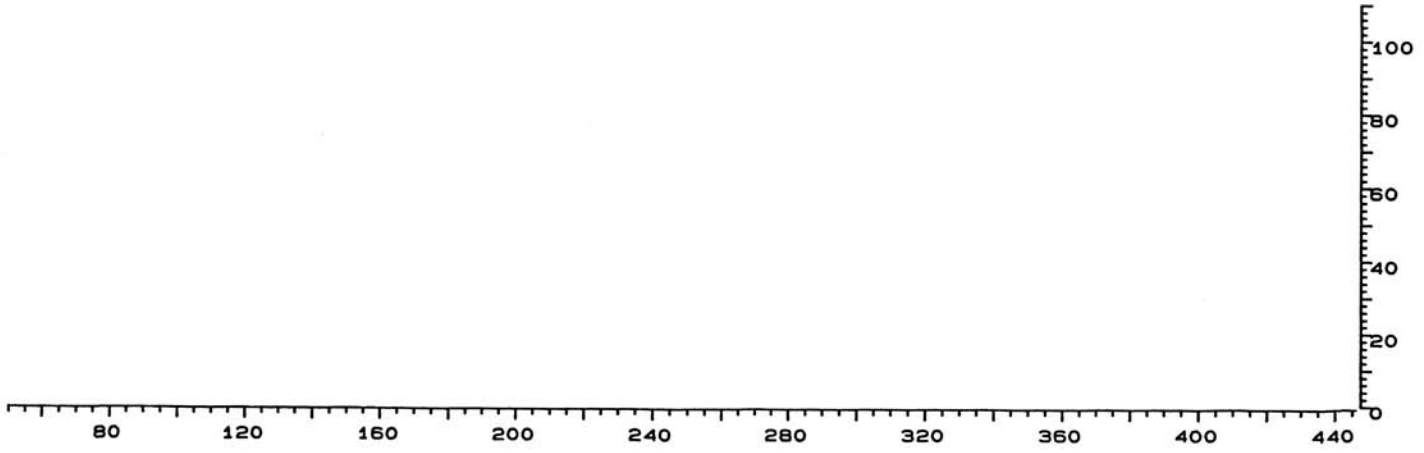
Molecular weight: 405.44 (405.10)
Synonyms: 3-[(Acetyloxy)methyl]-7-[(aminophenylacetyl)amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Kafocin

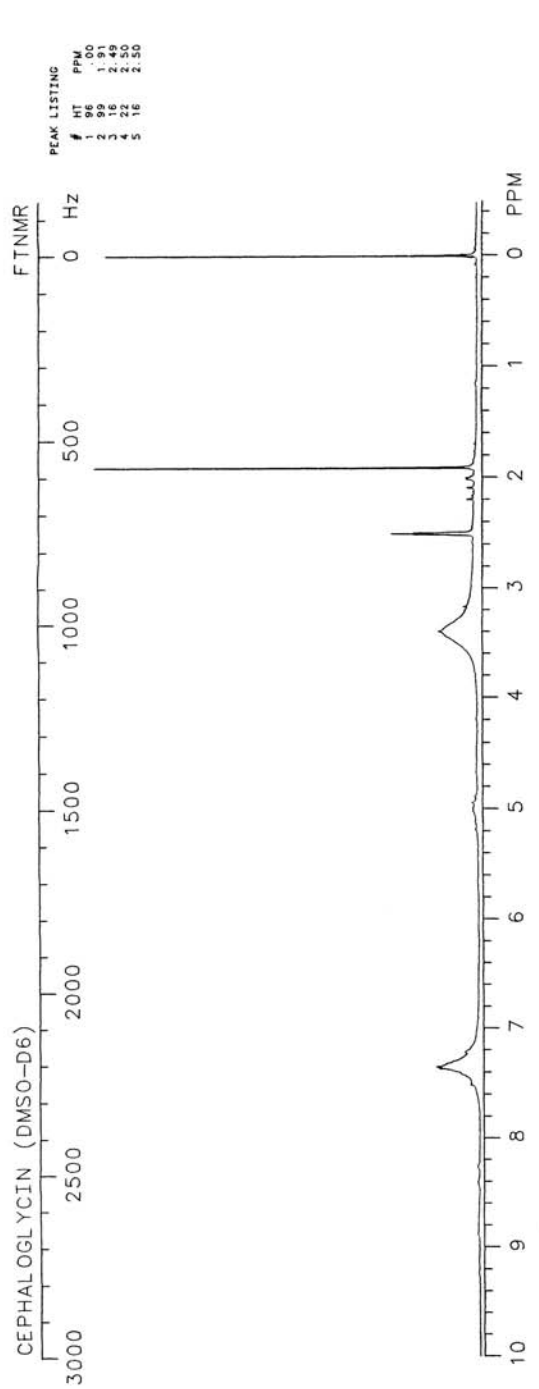
Use: Antibacterial
HPLC:
GC:

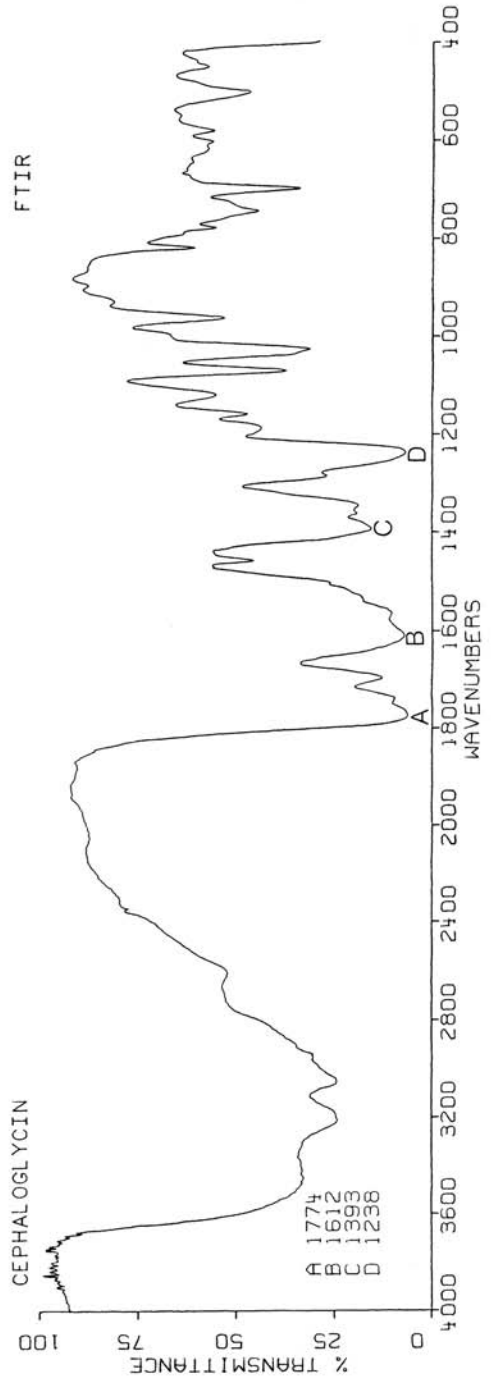




NO USEFUL MASS SPECTRUM WAS OBTAINED




CEPHALOGLYCIN (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 96 1.00
2 99 1.91
3 16 2.49
4 22 2.50
5 16 2.50
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

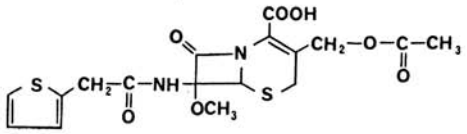

CEPHALOGLYCIN
FTIR
A 1774
B 1612
C 1393
D 1238
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

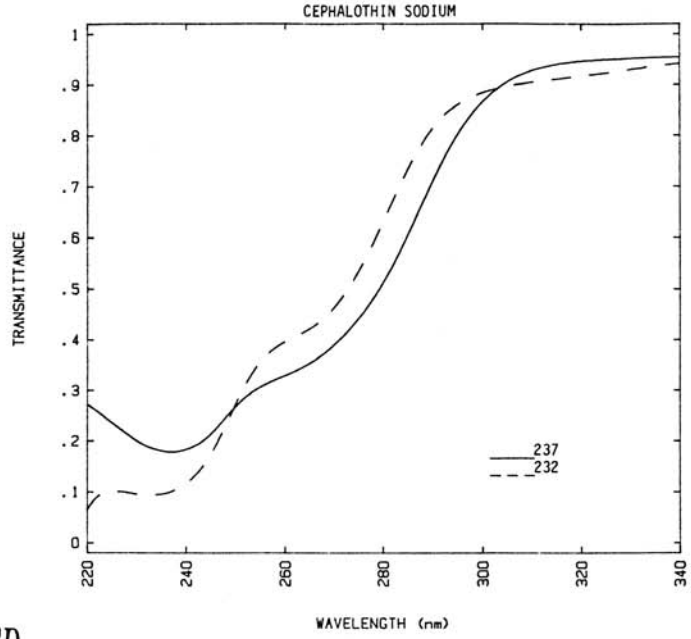
CEPHALOTHIN

$C_{16}H_{16}N_2O_6S_2$

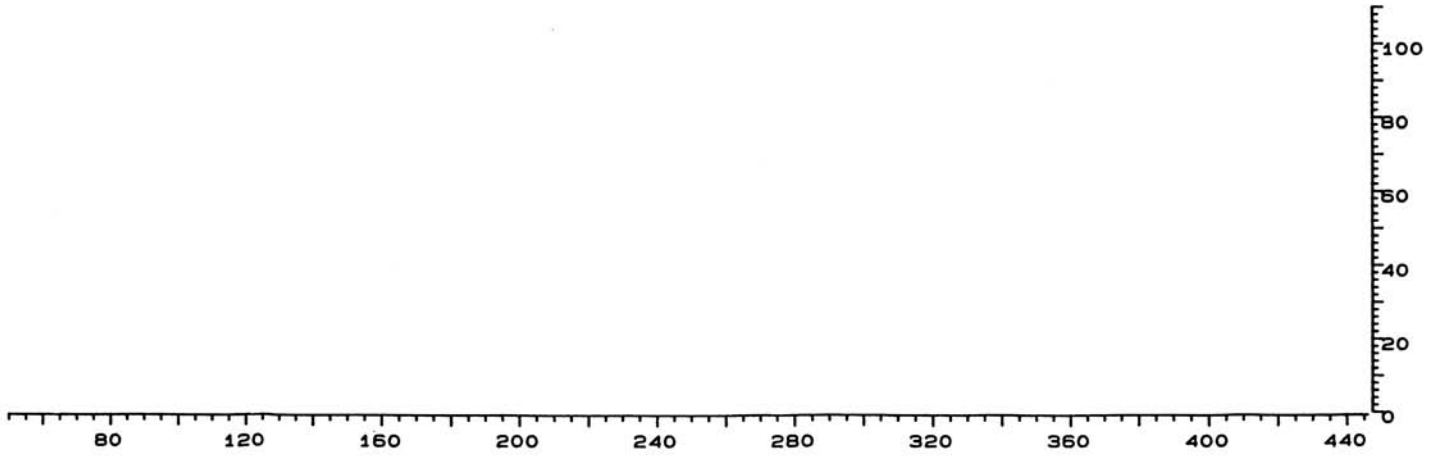
Molecular weight: 396.44 (396.05)
Synonyms: 6R-Trans-3-[(Acetyloxy)methyl]-8-oxo-7-[(2-thienylacetyl)amino]
-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid; cefalotin
Trade names: Ceporacin, Cepovenin, Keflin, Seffin

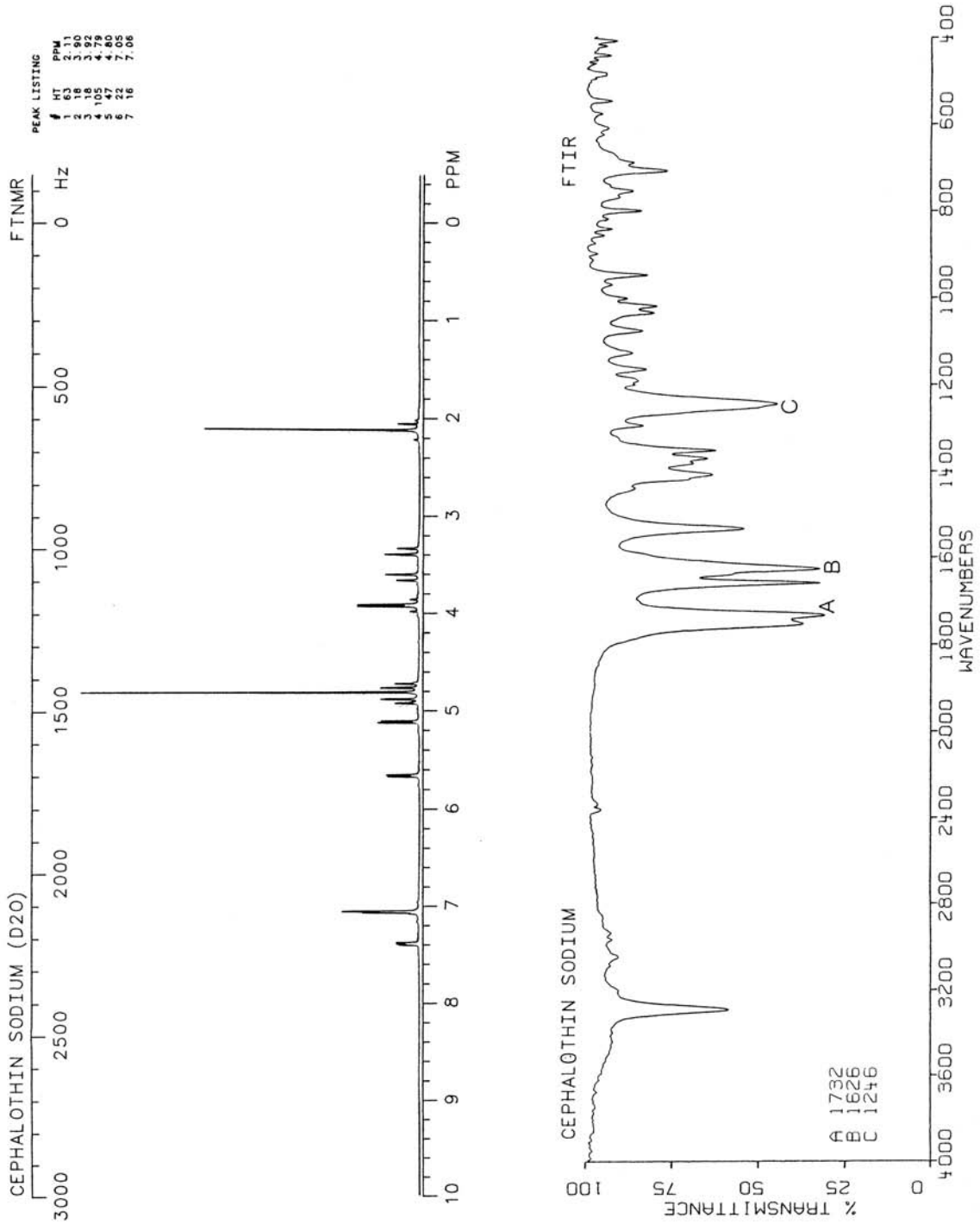
Use: Antibacterial
HPLC: Si-10; 10A:90B; 7.3
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



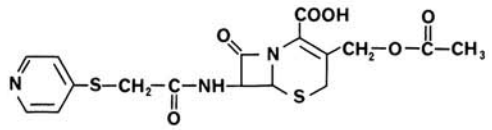

CEPHALOTHIN SODIUM (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 63 2.11
2 16 3.10
3 18 3.92
4 105 4.79
5 47 4.80
6 22 7.05
7 18 7.06
CEPHALOTHIN SODIUM
FTIR
A 1732
B 1626
C 1246
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

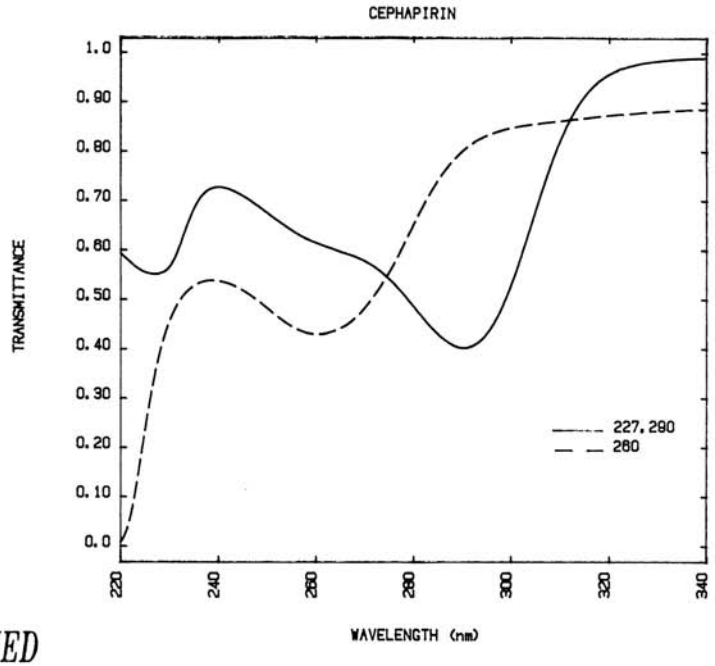
CEPHAPIRIN

$C_{17}H_{17}N_3O_6S_2$

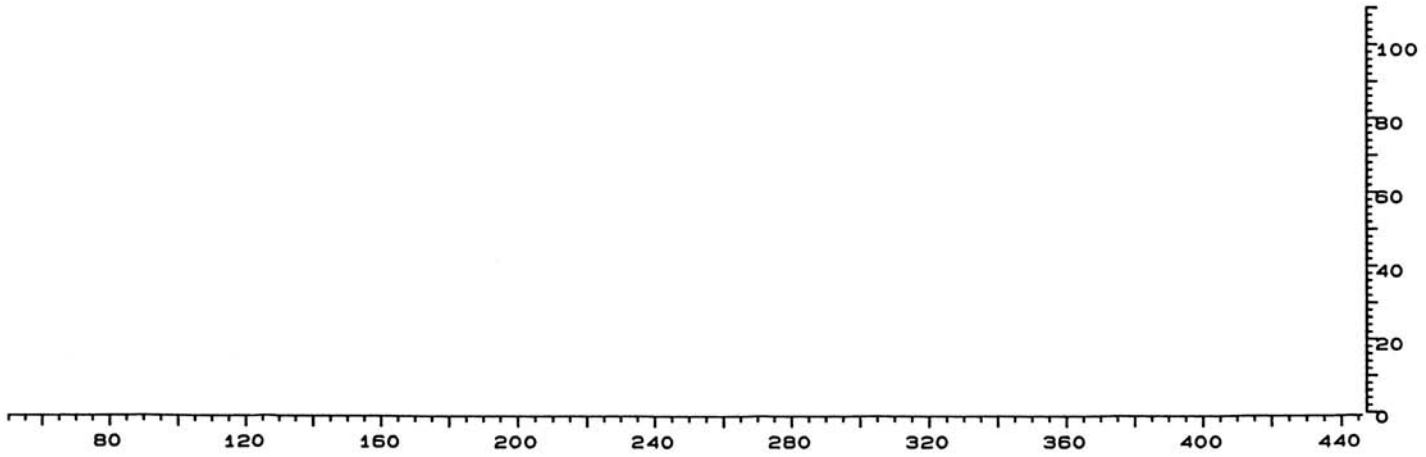
Molecular weight: 423.46 (423.06)
Synonyms: 3-[(Acetyloxy)methyl]-8-oxo-7-[[(4-pyridinylthio)-acetyl]-amino]-5-thia-1-azabicyclo-[4.2.0]oct-2-ene-2-carboxylic acid
Trade names: Cefadyl

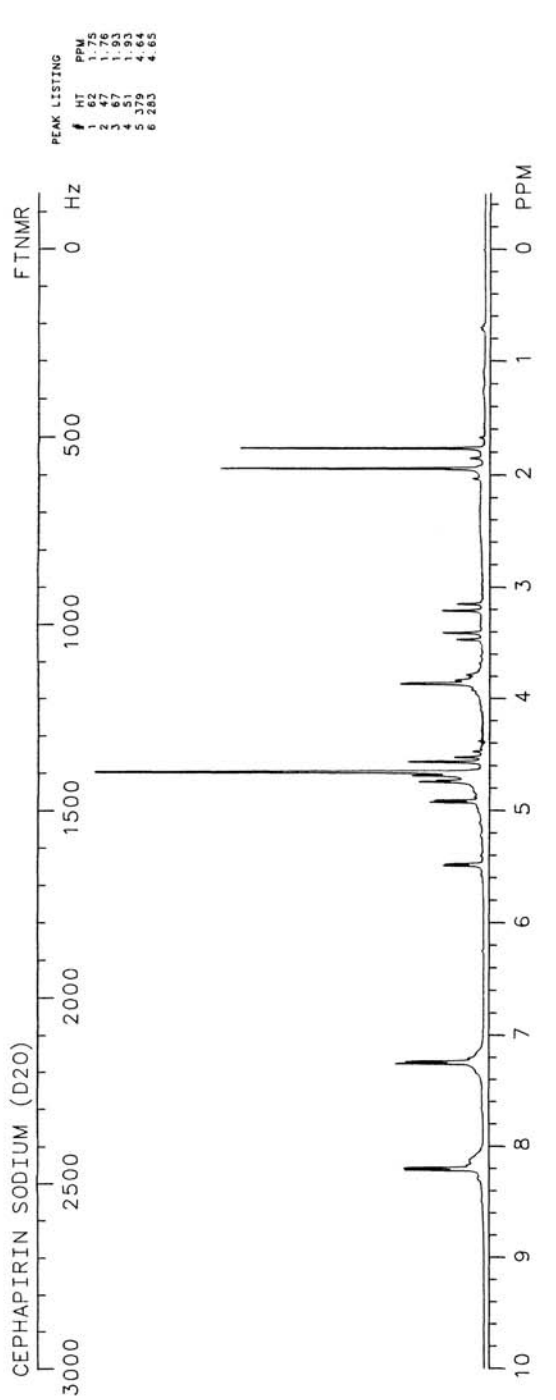
Use: Antibacterial
HPLC: Si-10; 20A:80B; 4.8
GC:

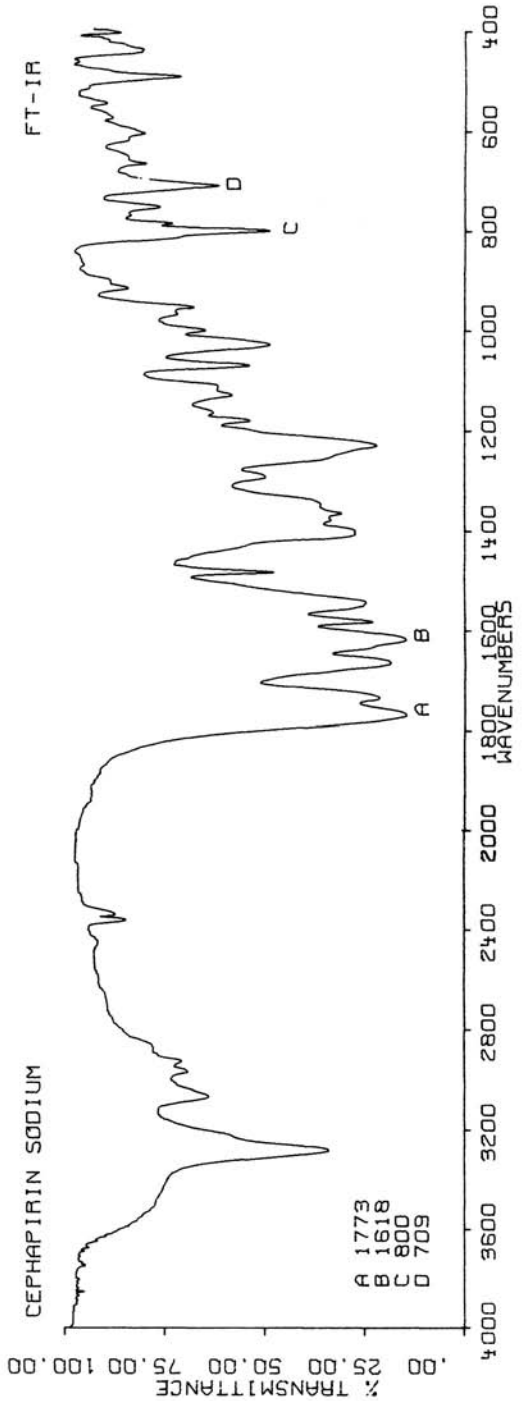




NO USEFUL MASS SPECTRUM WAS OBTAINED




CEPHAPIRIN SODIUM (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 62 1.75
2 47 1.76
3 67 1.93
4 51 1.93
5 339 4.64
6 283 4.65

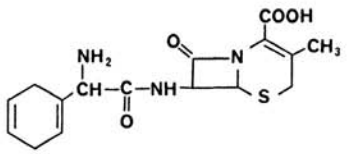

CEPHAPIRIN SODIUM
FT-IR
A 1773
B 1618
C 800
D 709
A B C D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
.00 25.00 50.00 75.00 100.00
% TRANSMITTANCE

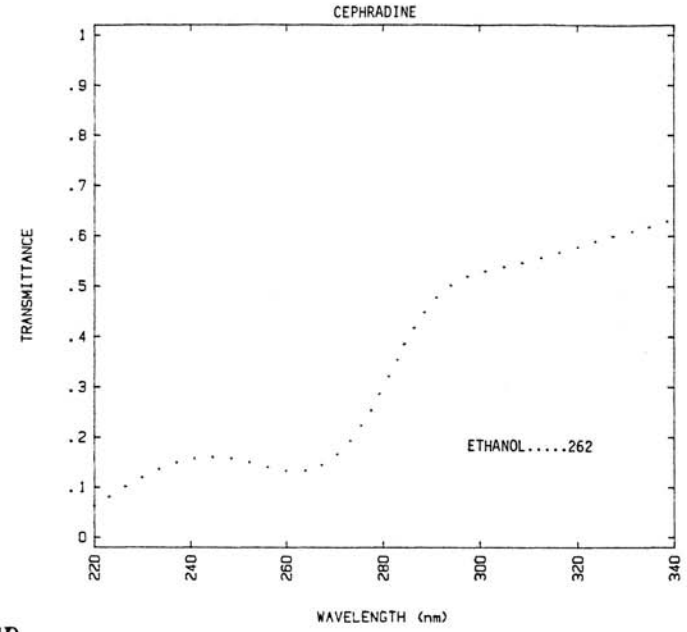
CEPHRADINE

$C_{16}H_{19}N_3O_4S$

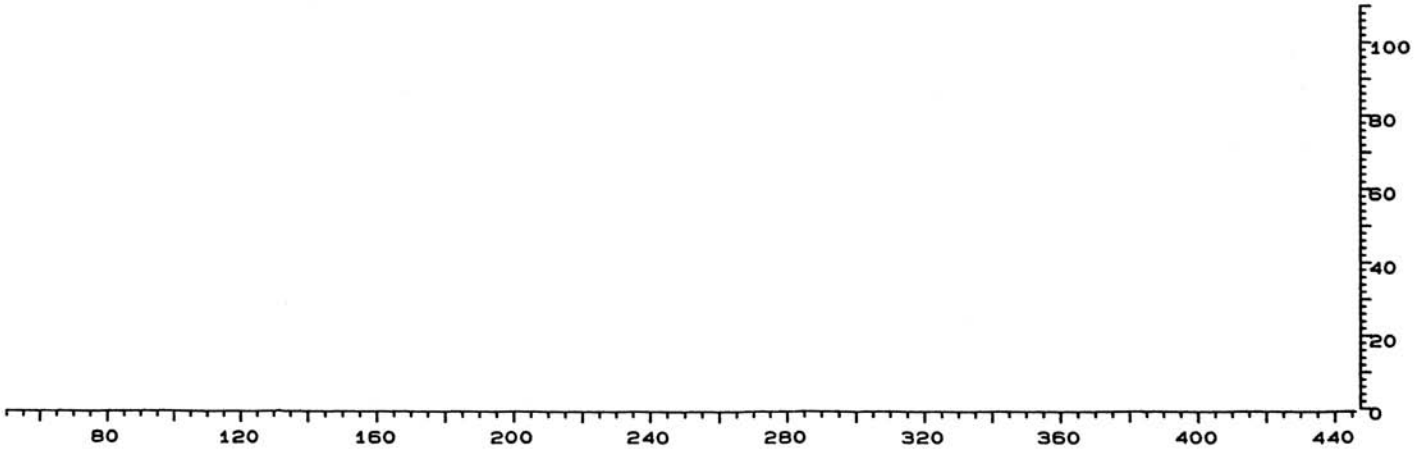
Molecular weight: 349.41 (349.11)
Synonyms: 7-[D-2-Amino-2-(1,4-cyclohexadien-1-yl)acetamido]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid; cefadrin; cefradine
Trade names: Anspor, Eskacef, Maxisporin, Megacef, Sefril, Velosef

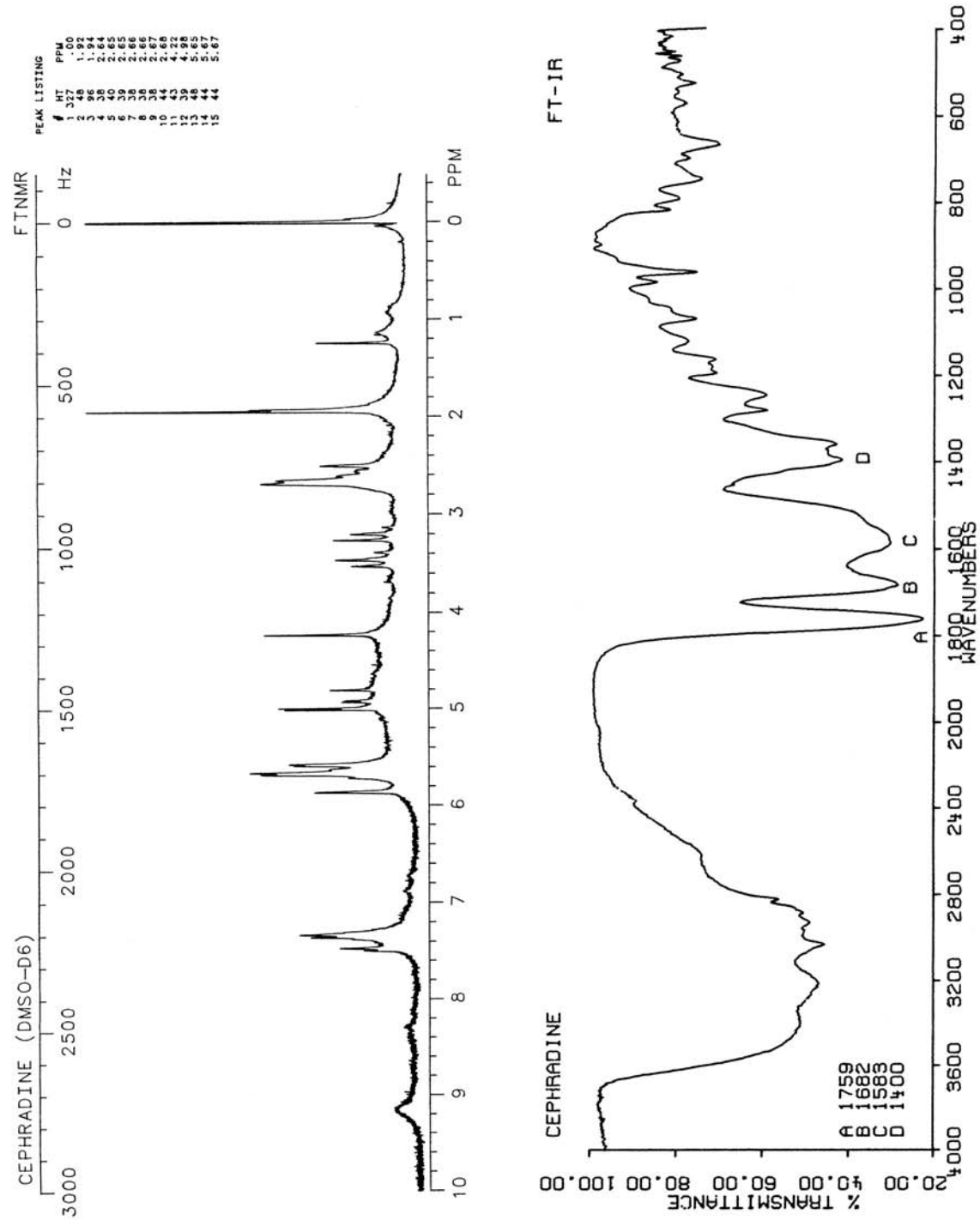
Use: Antibiotic
HPLC: Si-10; 20A:80B; 4.6
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

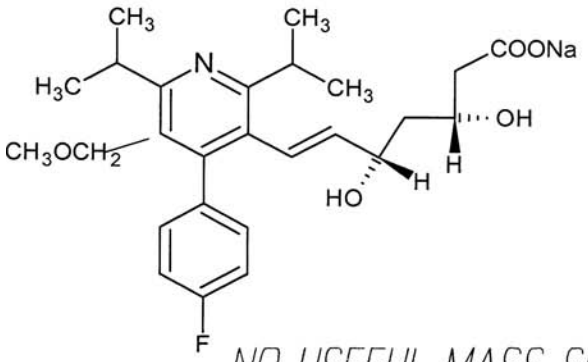


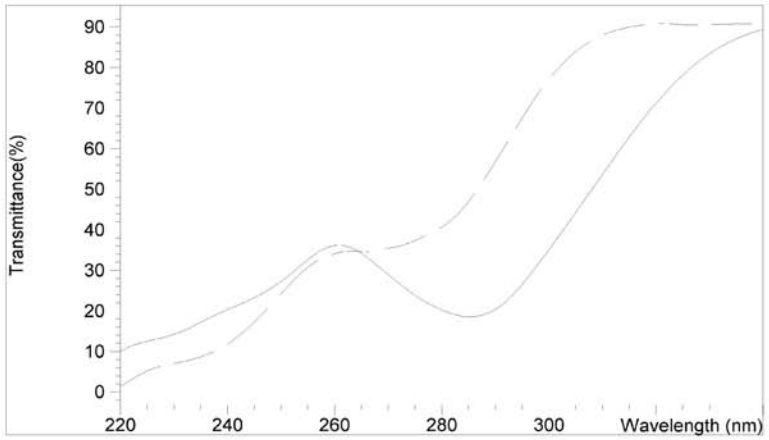

CEPHRADINE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 327 1.00
2 426 1.92
3 96 1.94
4 38 2.64
5 40 2.65
6 39 2.66
7 38 2.66
8 38 2.67
9 38 2.67
10 44 2.68
11 43 4.22
12 39 4.98
13 48 5.65
14 44 5.67
15 44 5.67
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CEPHRADINE
FT-IR
A 1759
B 1682
C 1583
D 1400
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CERIVASTATIN SODIUM

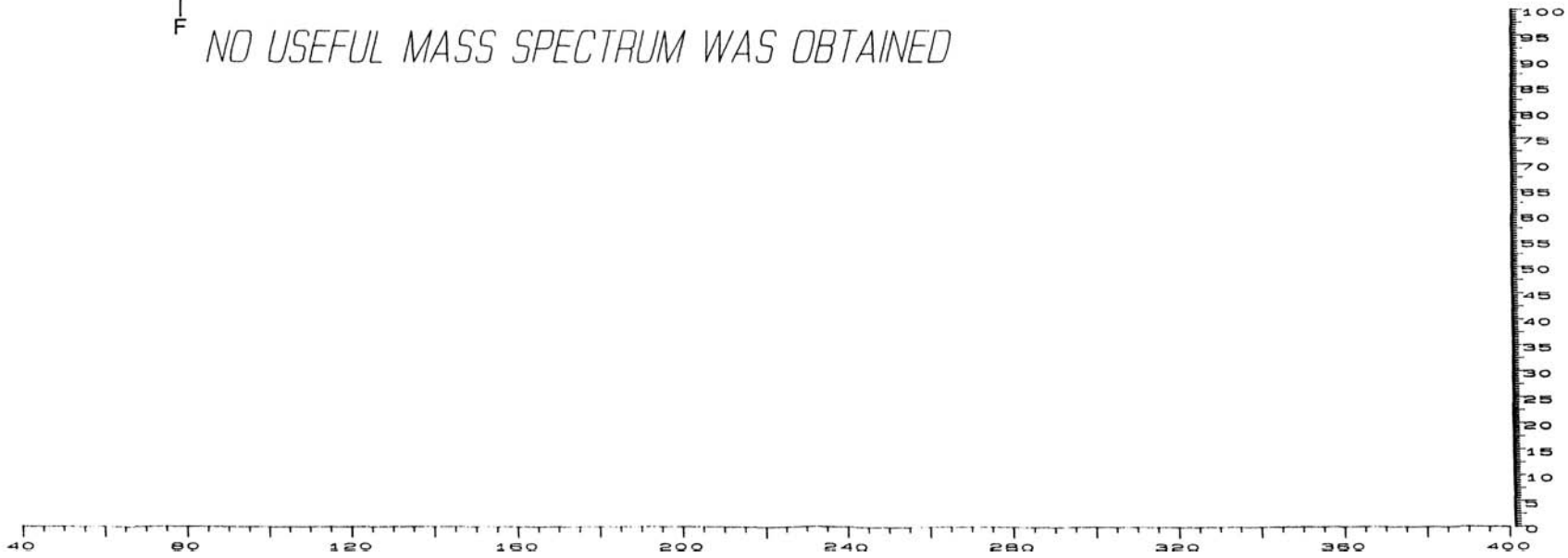
$C_{26}H_{33}FNNaO_5$

Molecular Weight: 481.53 (481.22)
Synonyms: (2) (+) – Sodium (3*R*,5*S*,6*E*)-7-[4-(*p*-fluorophenyl)-5-(methoxymethyl)-2,6- bis(1-methylethyl)-3-pyridinyl]-3,5-dihydroxy-6-heptenoate
Trade names: Rivastatin, Libobay, Baycol
Use: Antihyperlipoproteinemic



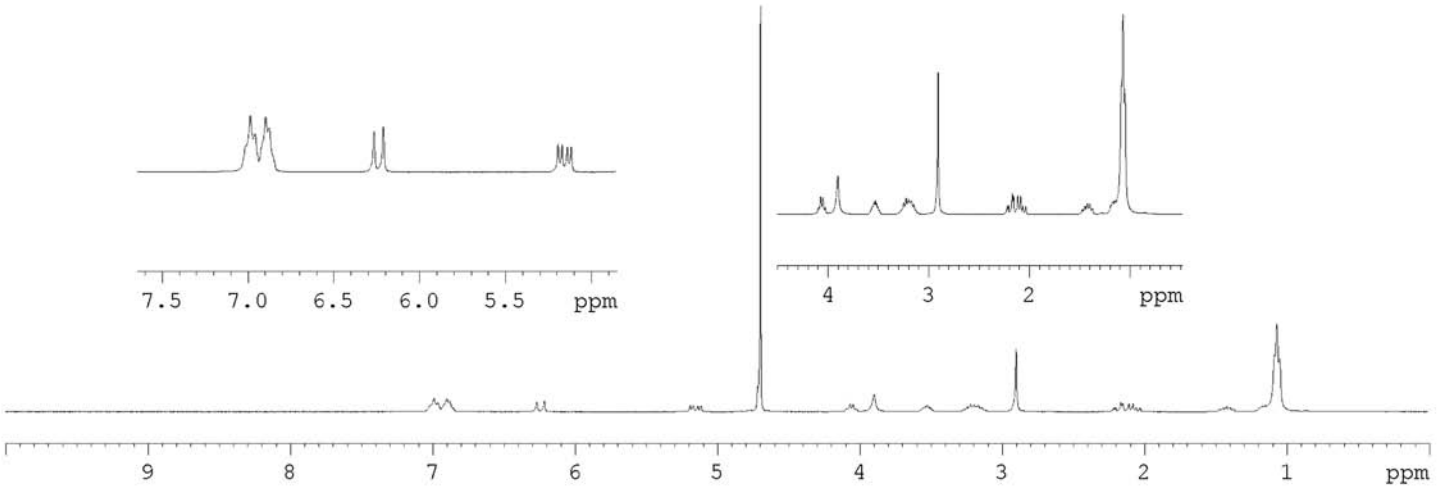


NO USEFUL MASS SPECTRUM WAS OBTAINED

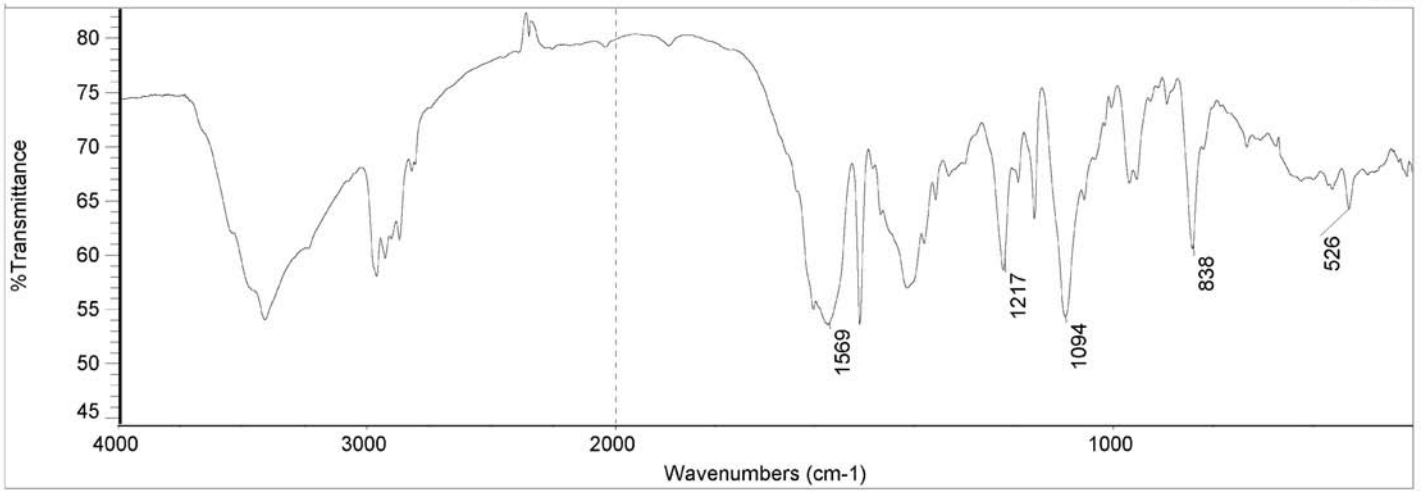


CERIVASTATIN SODIUM

FTNMR



FT-IR



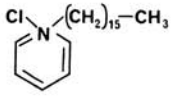
CETYLPYRIDINIUM CHLORIDE

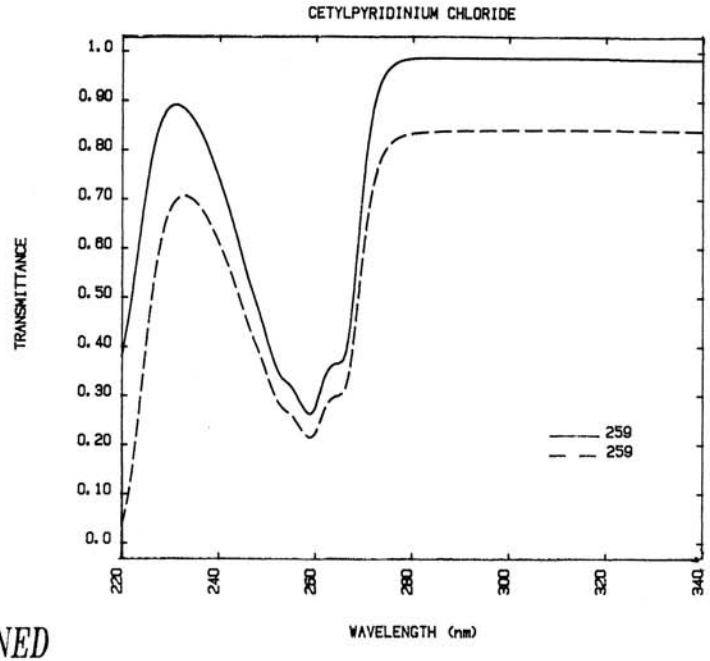
$C_{21}H_{38}ClN$

Molecular weight: 339.99 (339.27)
Synonyms: 1-Hexadecylpyridinium chloride

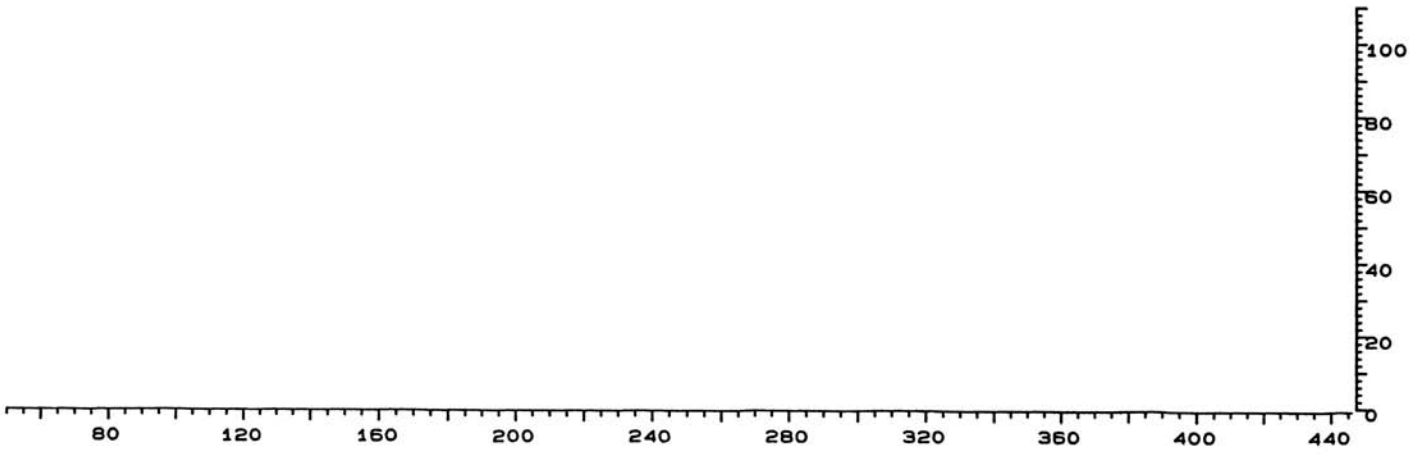
Trade names: Fungoid, Sinex, Vicks Nasal Spray, Vicks Throat Lozenges

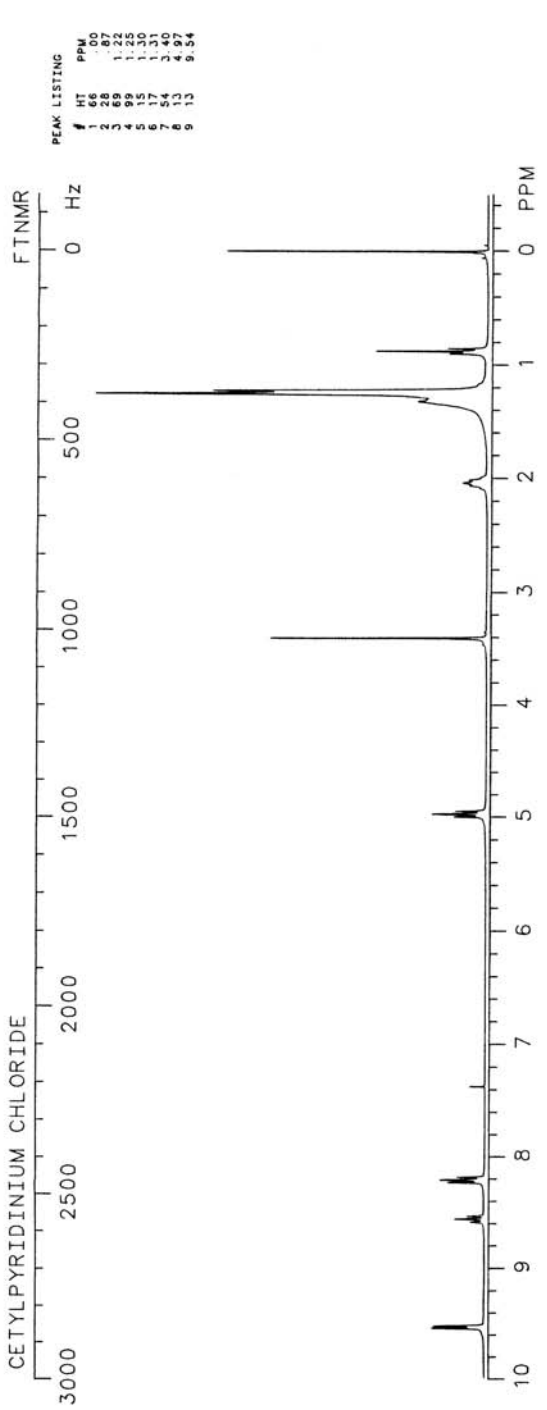
Use: Topical antiseptic
HPLC:
GC:

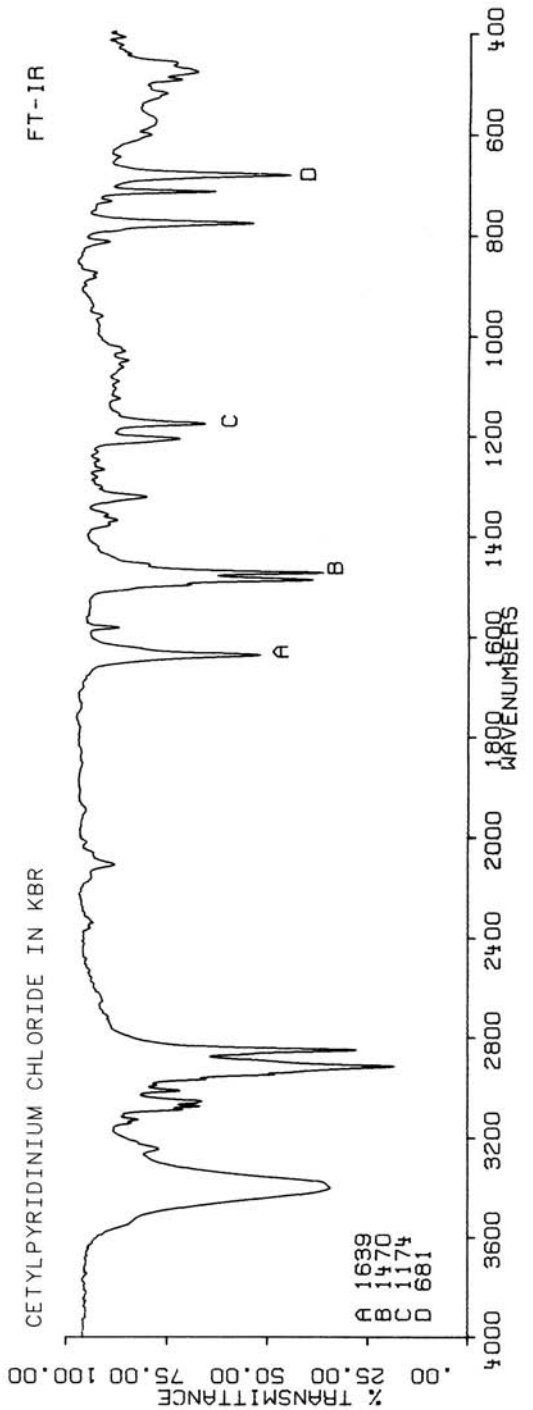




NO USEFUL MASS SPECTRUM WAS OBTAINED



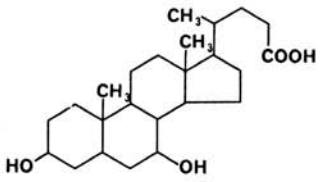

CETYLPYRIDINIUM CHLORIDE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 66 .00
2 28 .87
3 69 1.22
4 99 1.25
5 15 1.30
6 17 1.31
7 54 3.40
8 13 4.97
9 13 9.54

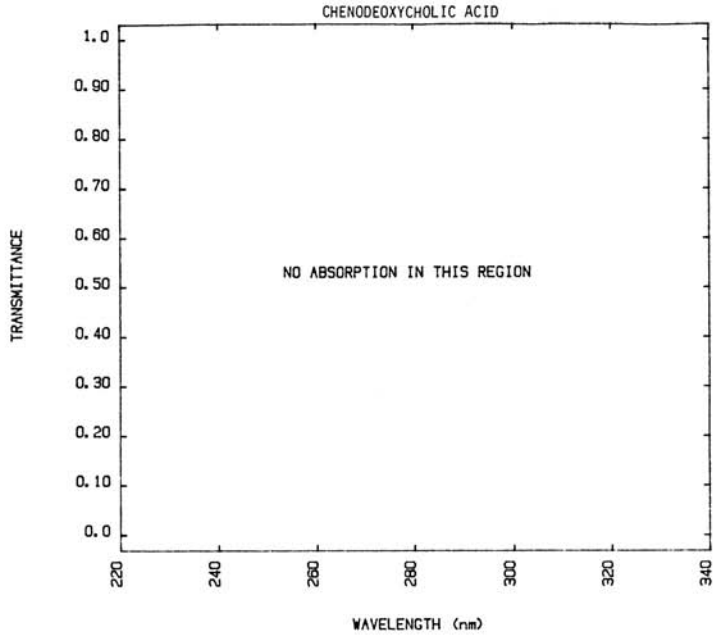

CETYLPYRIDINIUM CHLORIDE IN KBR
FT-IR
A 1639
B 1470
C 1174
D 681
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

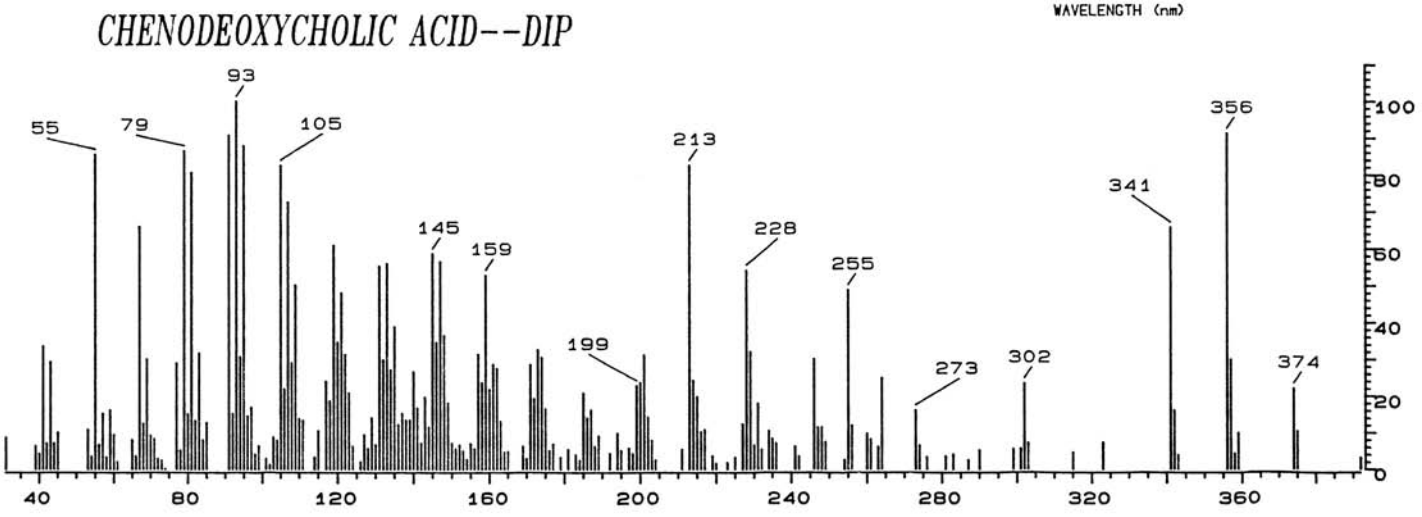
CHENODEOXYCHOLIC ACID

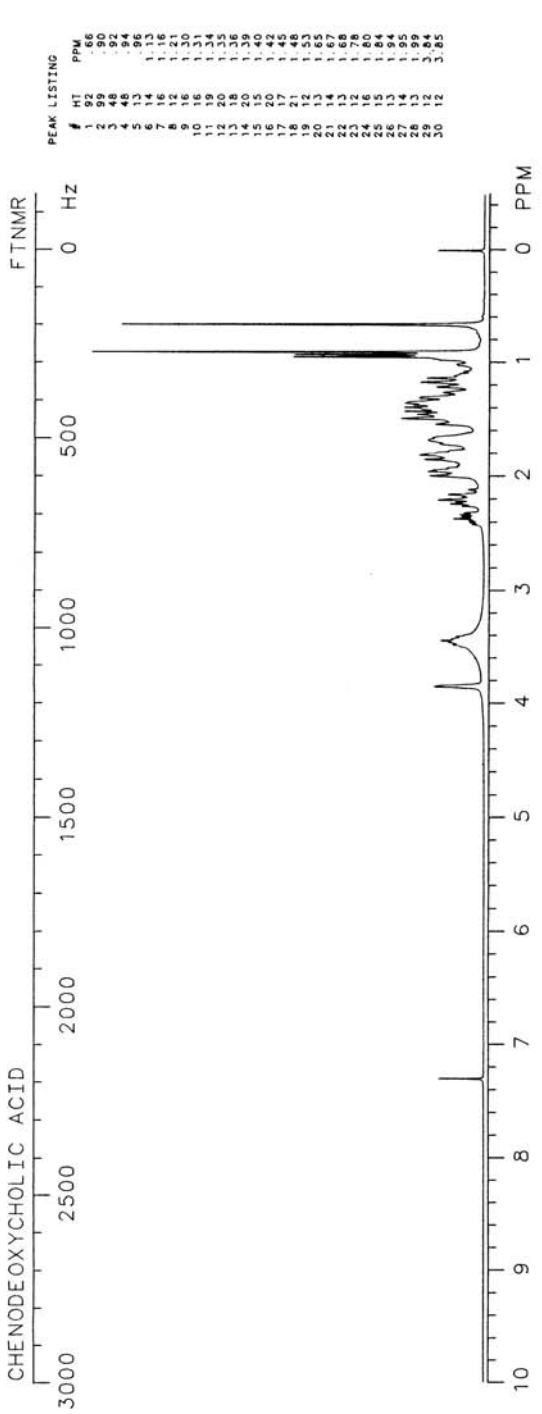
$C_{24}H_{40}O_4$

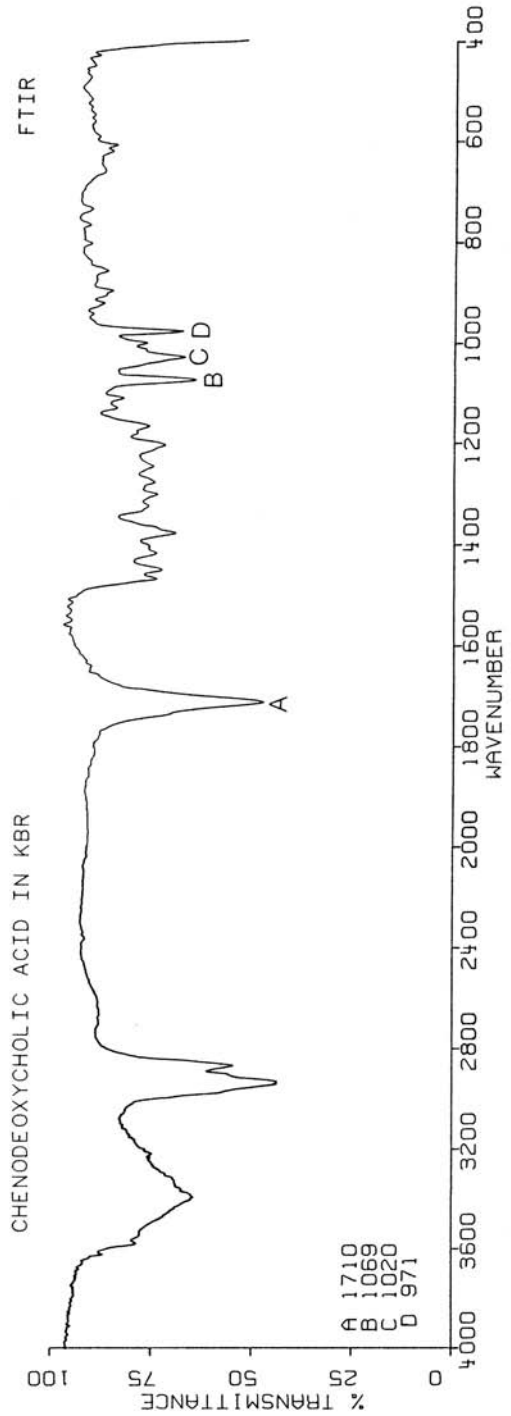
Molecular weight: 392.56 (392.29)
Synonyms: 3,7-Dihydroxycholan-24-oic acid; gallodesoxycholic acid; anthropodesoxycholic acid; chenic acid
Trade names: Chendol, Chenix, Chenodexm, Chenofalk, Fluibil, Hekbilin, Ulmenide
Use: Gallstones dissolution
HPLC:
GC:








CHENODEOXYCHOLIC ACID
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 92 .66
2 99 .90
3 48 .92
4 48 .94
5 13 .96
6 14 1.13
7 16 1.16
8 12 1.21
9 16 1.30
10 16 1.31
11 19 1.34
12 20 1.35
13 18 1.38
14 20 1.40
15 15 1.42
16 20 1.45
17 17 1.48
18 21 1.53
19 12 1.65
20 13 1.67
21 14 1.68
22 13 1.78
23 12 1.80
24 16 1.84
25 15 1.94
26 13 1.95
27 14 1.99
28 13 3.84
29 12 3.84
30 12 3.85
10 9 8 7 6 5 4 3 2 1 0 PPM

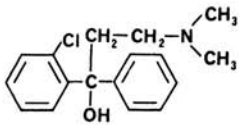

CHENODEOXYCHOLIC ACID IN KBR
FTIR
A
B C D
A 1710
B 1069
C 1020
D 971
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

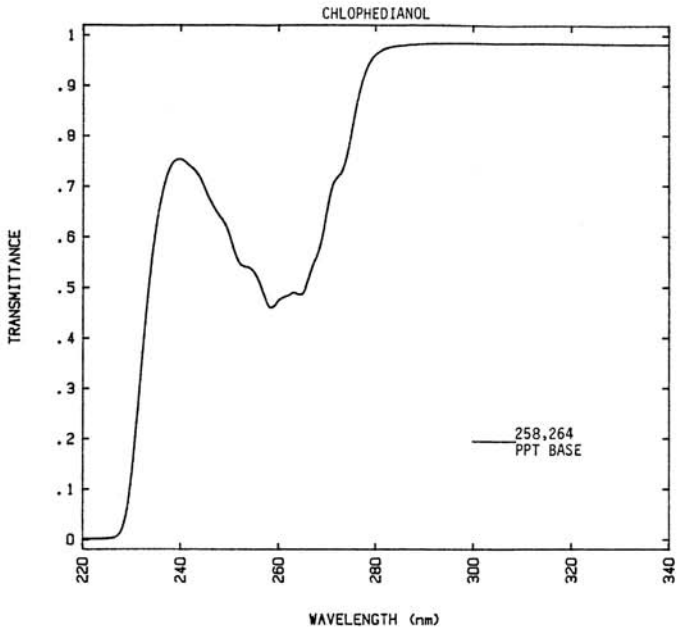
CHLOPHEDIANOL

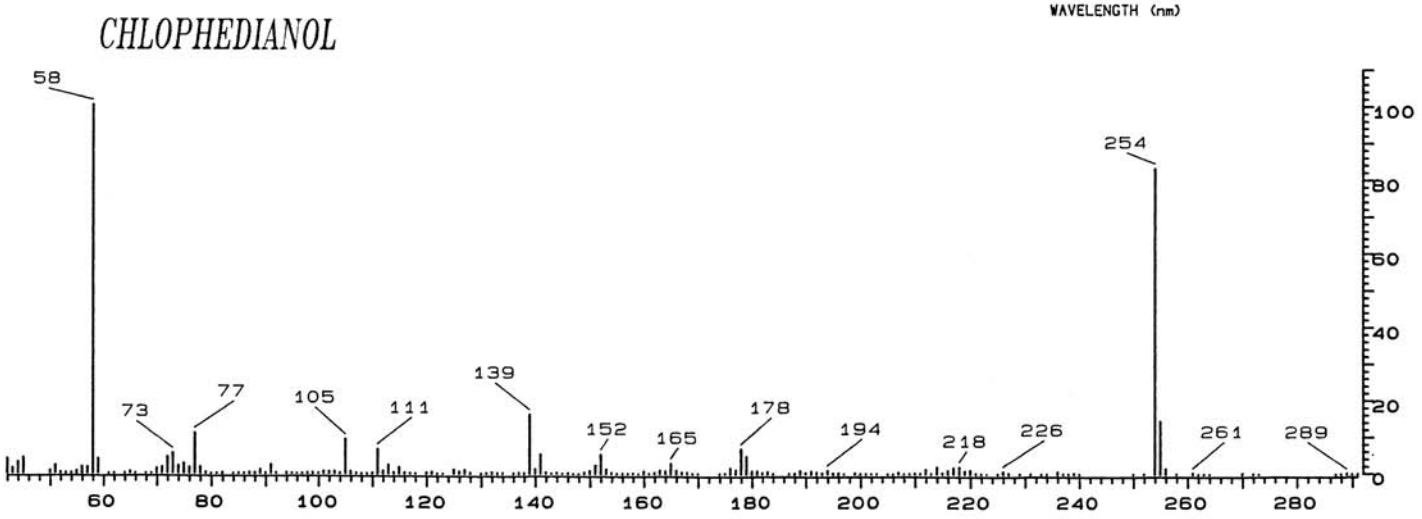
$C_{17}H_{20}ClNO$

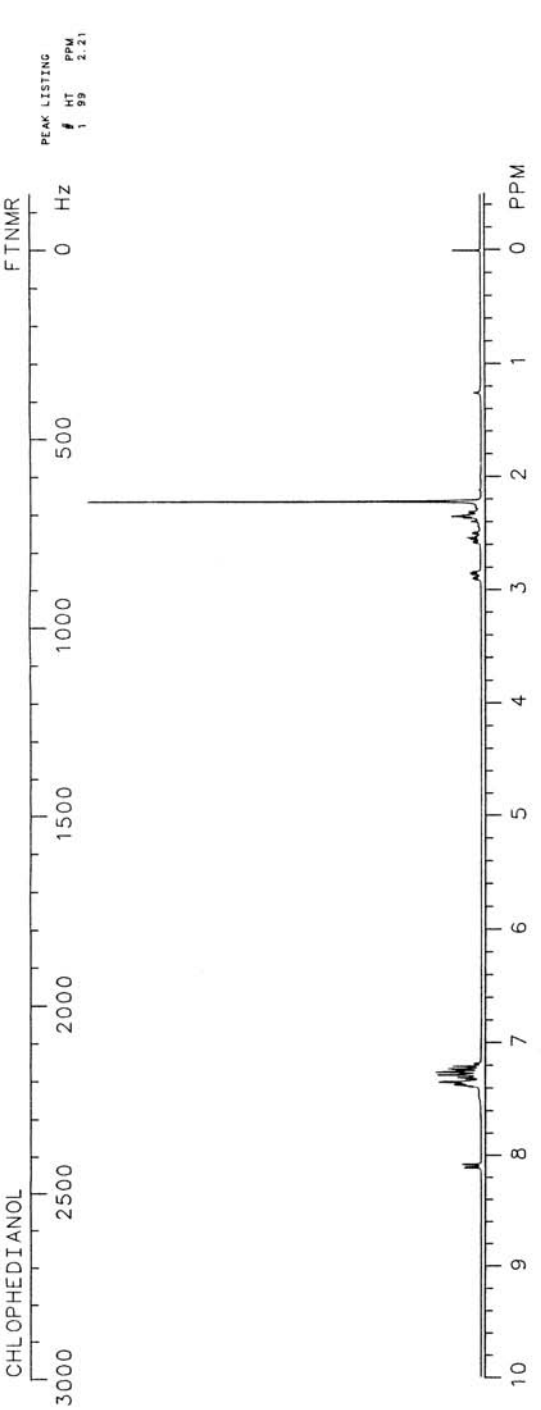
Molecular weight: 289.80 (289.12)
Synonyms: 2-Chloro-α-[2-(dimethylamino)ethyl]-α-phenylbenzene-methanol; clofedanol
Trade names: Detigon, Pectolitan, Refugal, Tussistop, ULO, Ulone

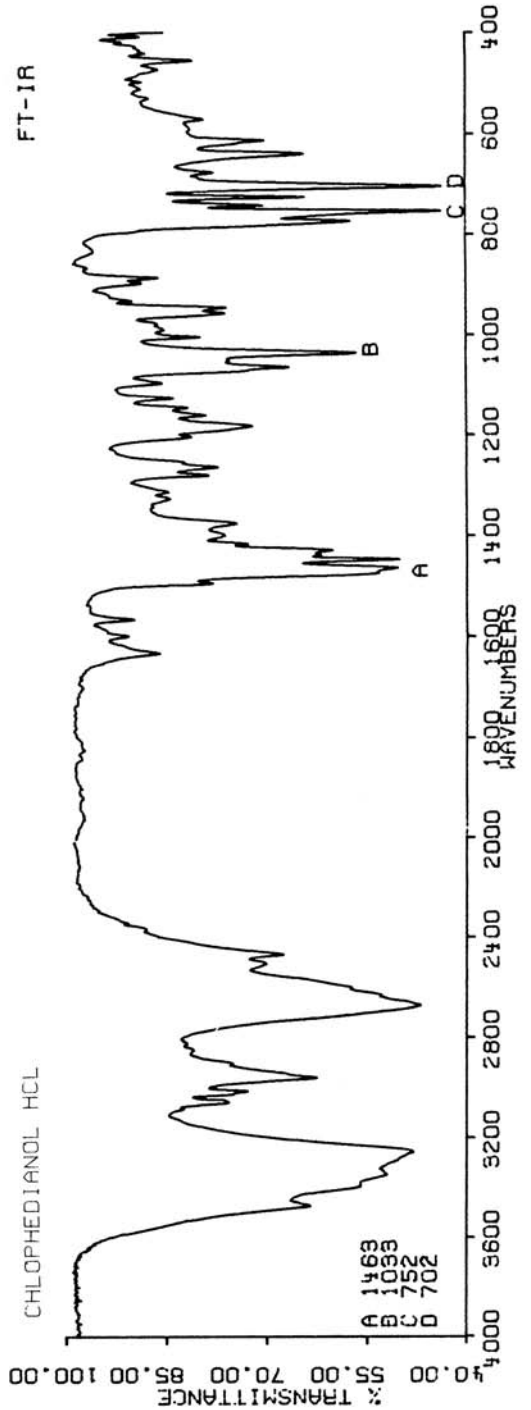
Use: Antitussive, cough suppressant
HPLC: Si-10; 2A:98B; 4.5
GC: 2157; 250°C








CHLOPHEDIANOL
FTNMR
PEAK LISTING
HT PPM
1 99 2.21
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CHLOPHEDIANOL HCL
A 1463
B 1033
C 752
D 702
A
B
C D
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

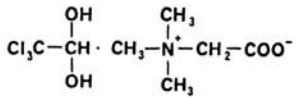
CHLORAL BETAINE

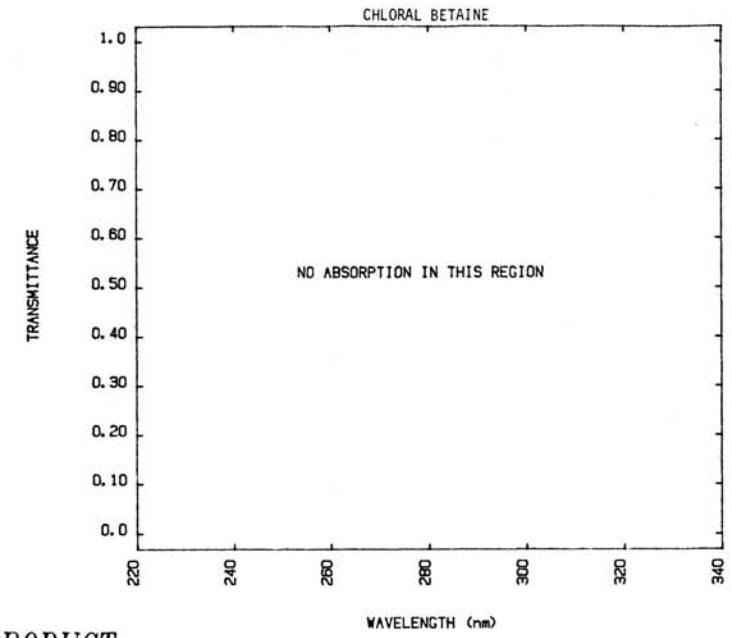
$C_7H_{14}Cl_3NO_4$

Molecular weight: 282.57 (281.00)
Synonyms: Beta-Chlor

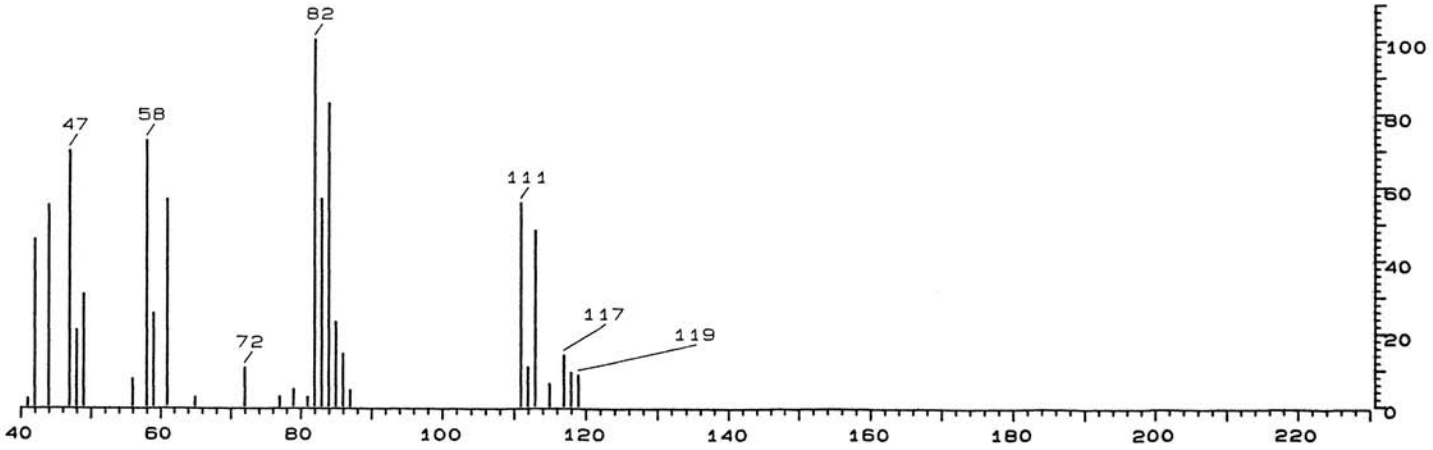
Trade names: Somilan

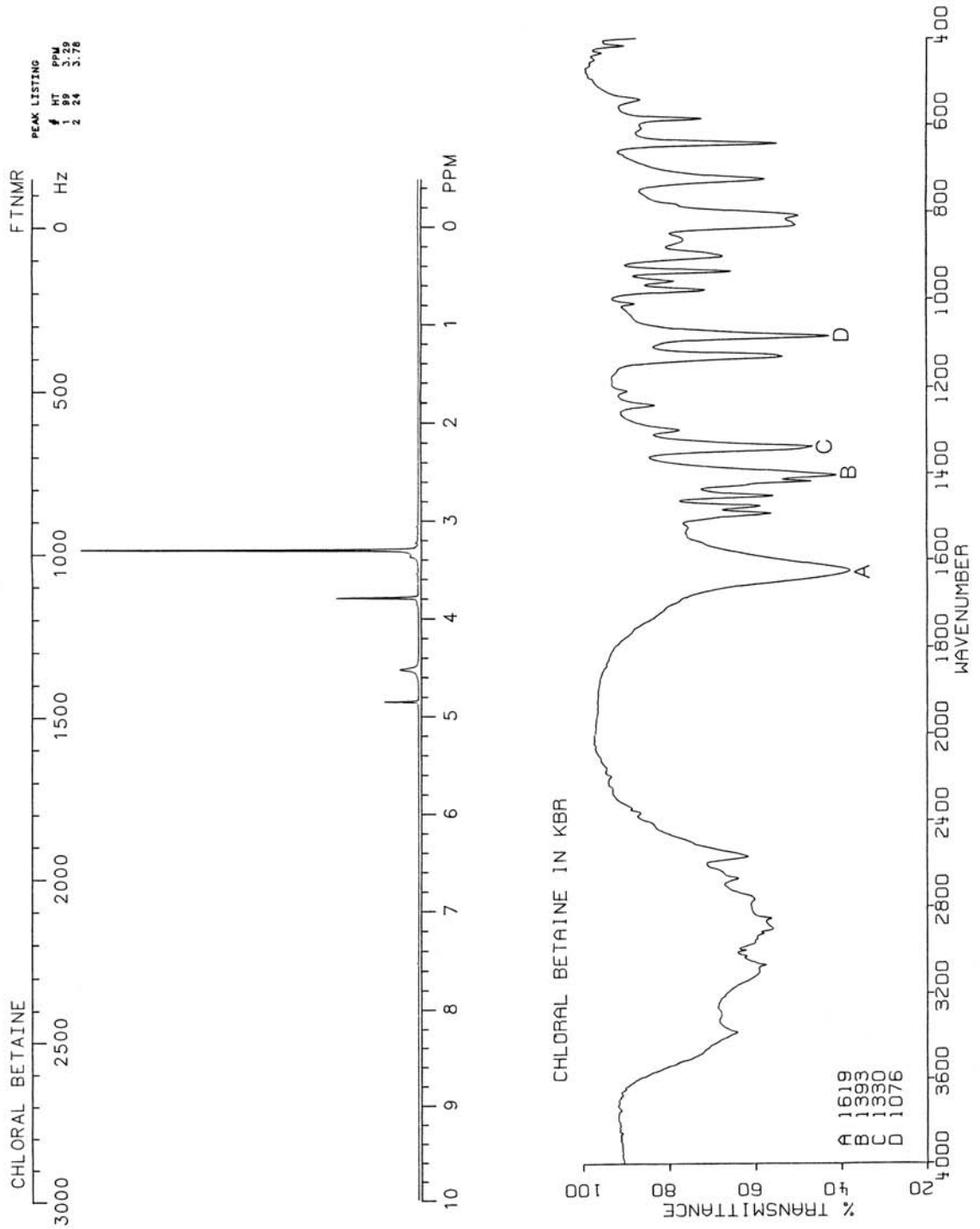
Use: Sedative
HPLC:
GC:





CHLORAL BETAINE--DECOMPOSITION PRODUCT



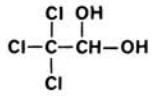

CHLORAL BETAINE
FTNMR
PEAK LISTING
HT PPM
1 99 3.29
2 24 3.78
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CHLORAL BETAINE IN KBR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1619
B 1393
C 1330
D 1076
A
B
C
D

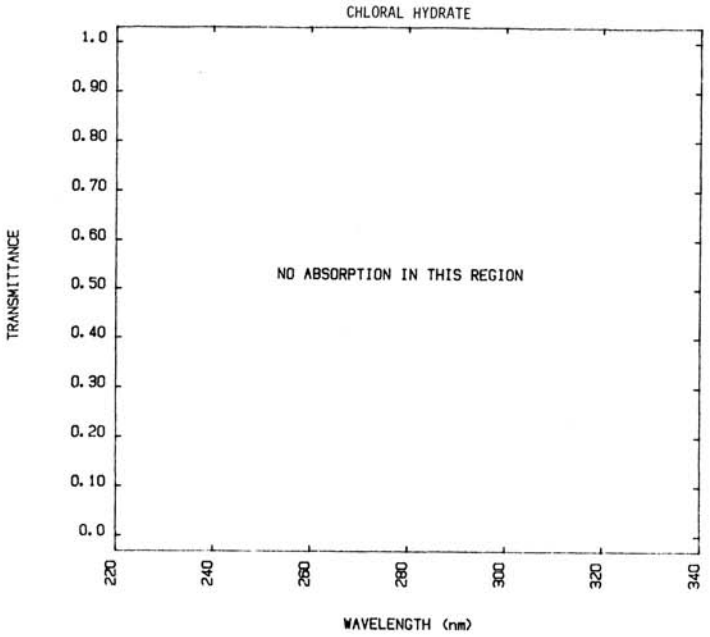
CHLORAL HYDRATE

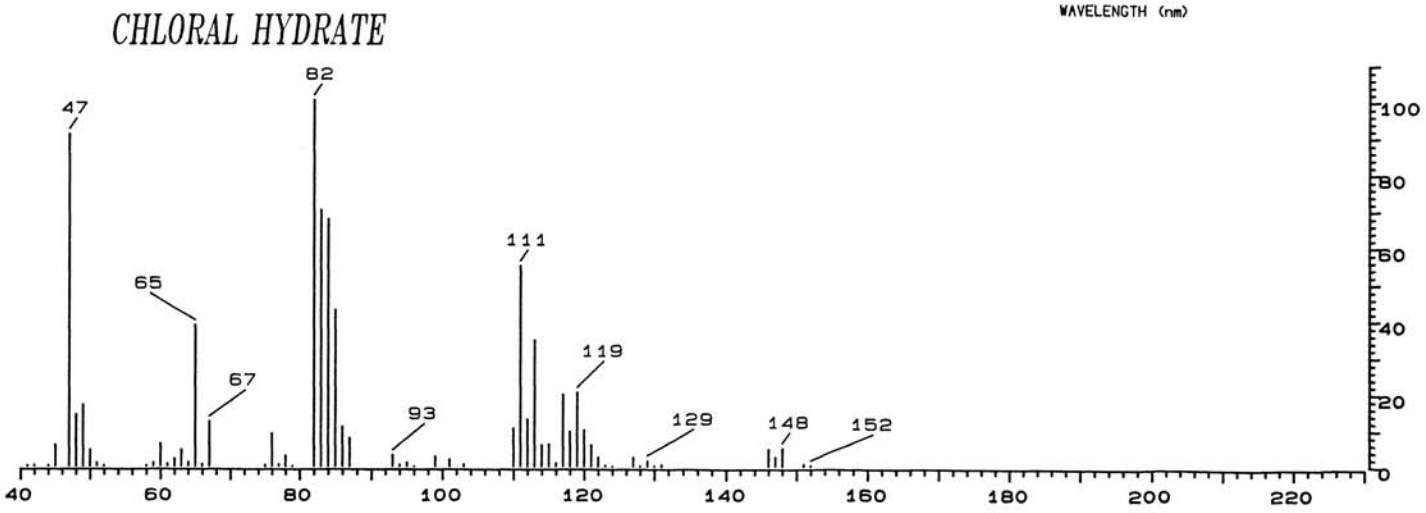
$C_2H_3Cl_3O_2$

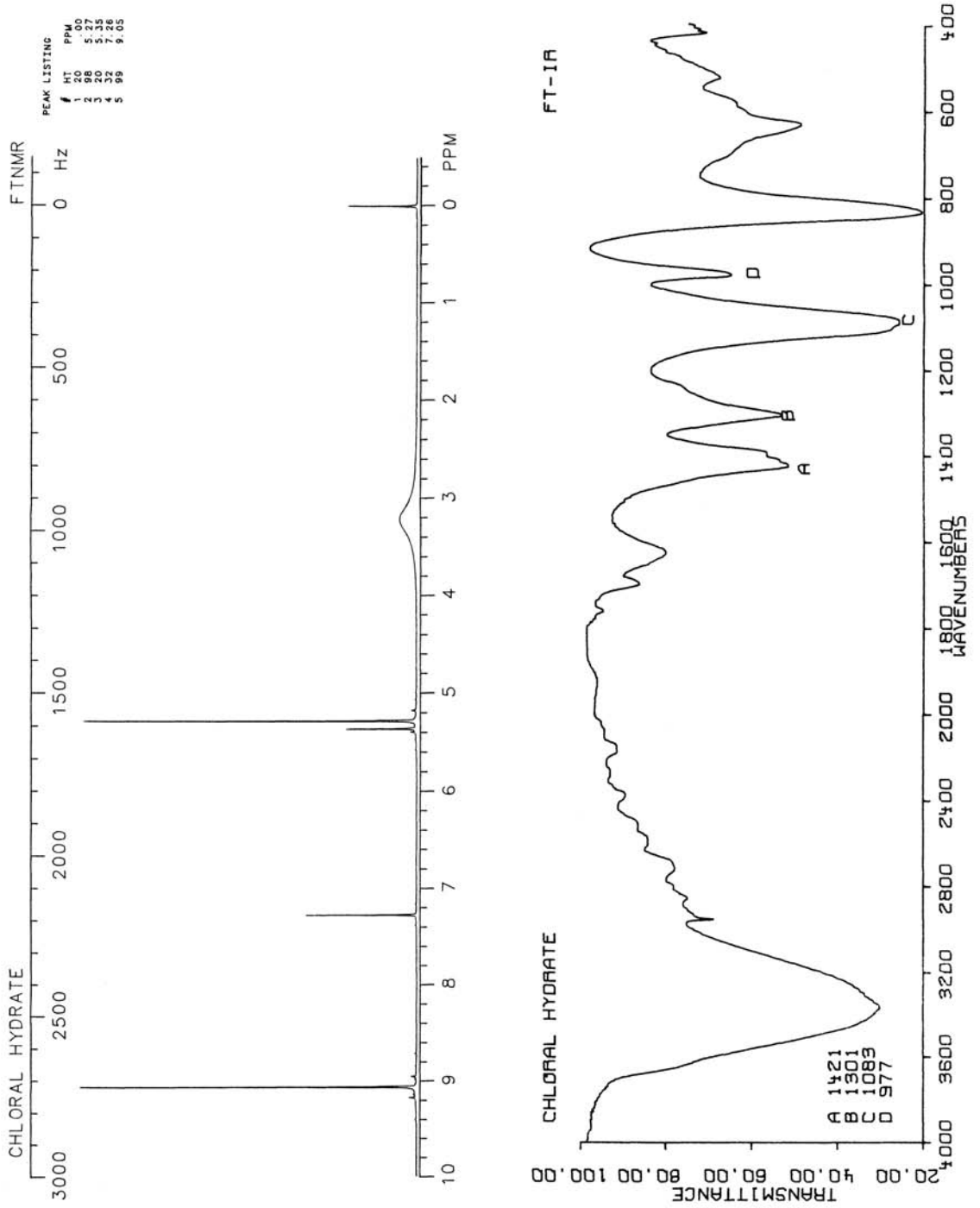
Molecular weight: 165.40 (163.92)
Synonyms: 2,2,2-Trichloro-1,1-ethanediol; trichloroacetaldehyde monohydrate; chloral
Trade names: Aquachloral, Noctec

Use: Sedative, hypnotic
HPLC:
GC: 687; 80°C







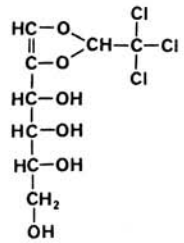

CHLORAL HYDRATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 20 .00
2 98 5.27
3 20 5.35
4 32 7.26
5 99 9.05
10
9
8
7
6
5
4
3
2
1
0 PPM
CHLORAL HYDRATE
FT-IR
A 1421
B 1301
C 1083
D 977
A
B
C
D
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
100.00
80.00
60.00
40.00
20.00
TRANSMITTANCE

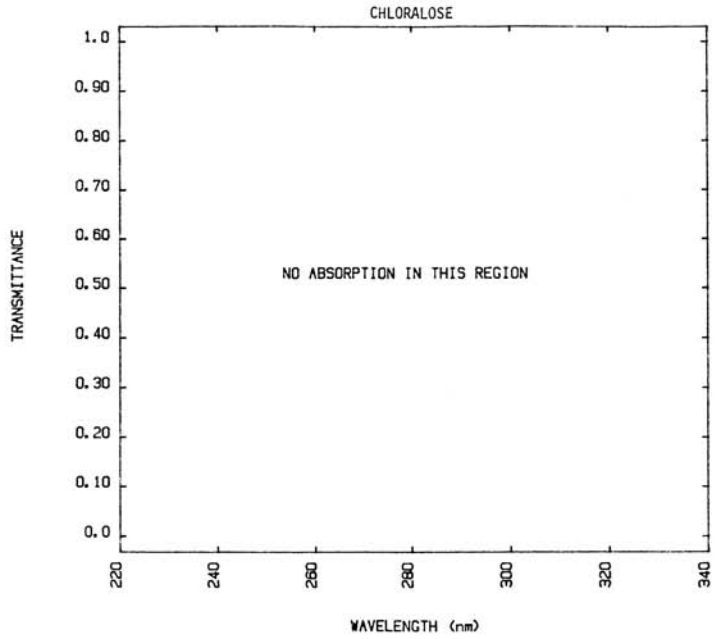
CHLORALOSE

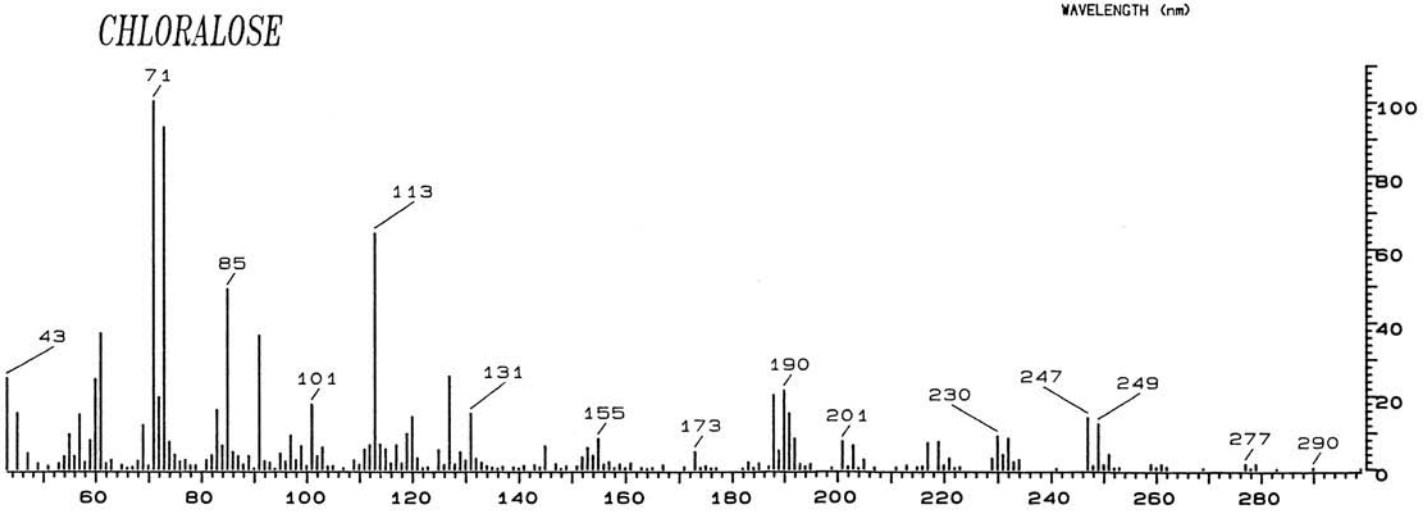
$C_8H_{11}Cl_3O_6$

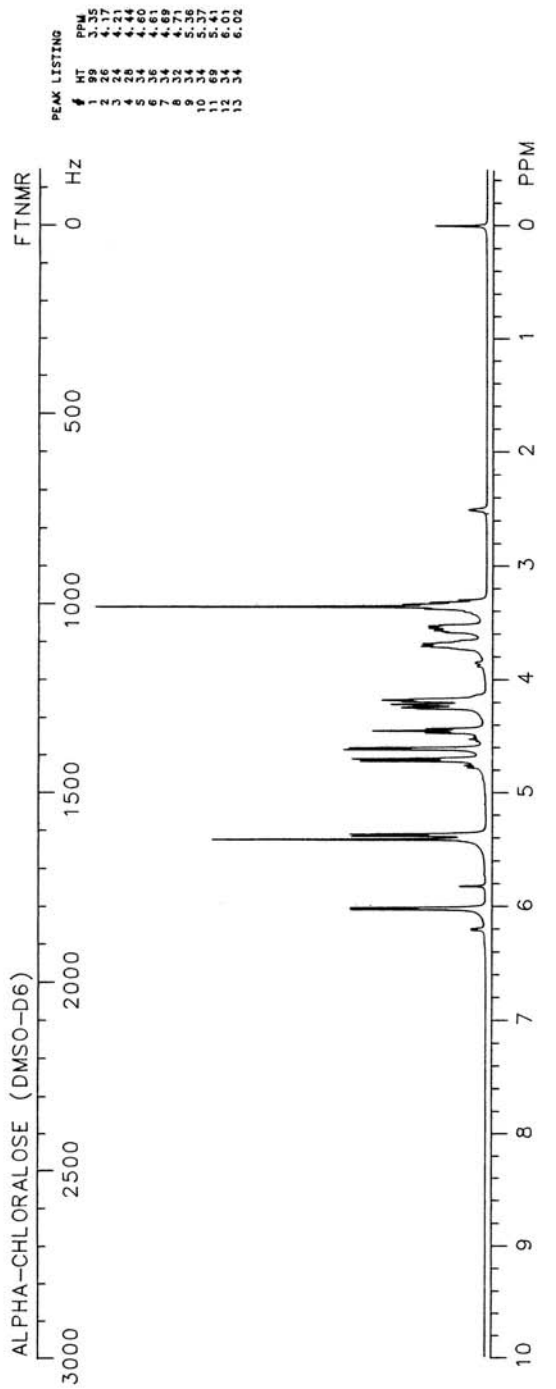
Molecular weight: 309.54 (307.96)
Synonyms: 1,2-O-(2,2,2-Trichloroethylidene)-α-D-glucofuranose; chloralosane; glucochloral; anhydroglucochloral
Trade names: Somio

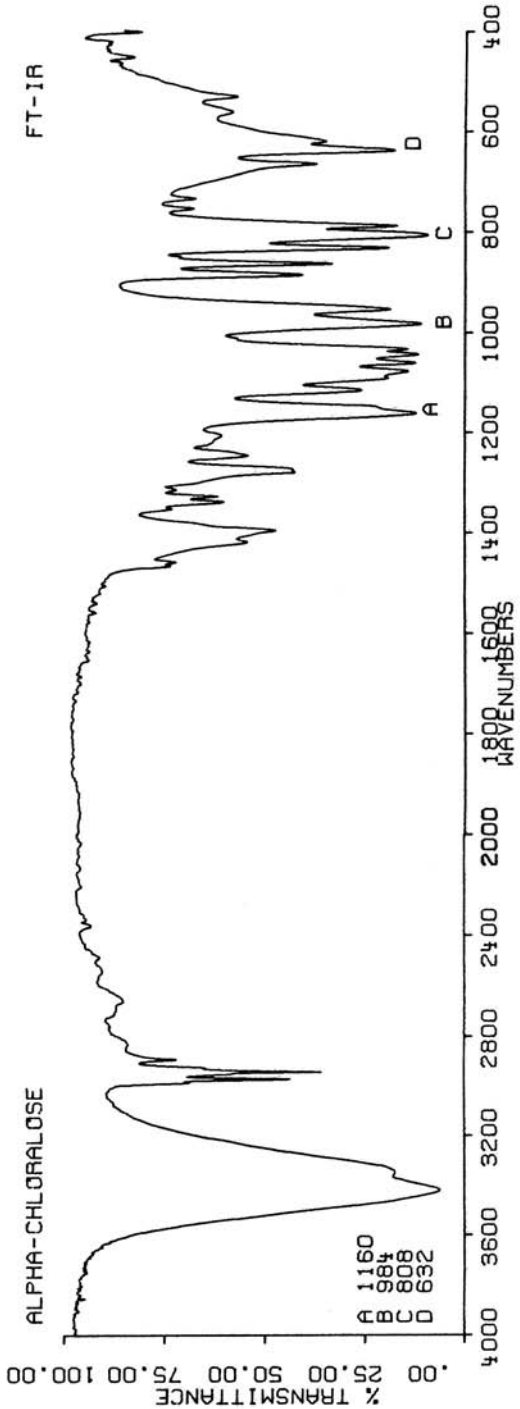
Use: Bird repellent
HPLC:
GC:








ALPHA-CHLORALOSE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 99 3.35
2 26 4.17
3 24 4.21
4 28 4.44
5 34 4.60
6 36 4.61
7 34 4.69
8 32 4.71
9 34 5.38
10 34 5.37
11 69 5.41
12 54 6.01
13 34 6.02

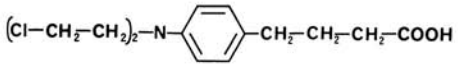

ALPHA-CHLORALOSE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1160
B 984
C 808
D 632
A
B
C
D

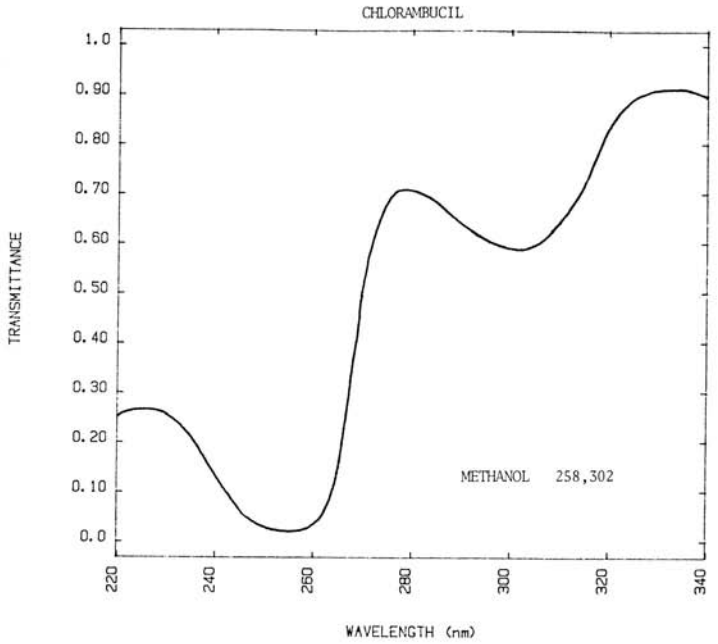
CHLORAMBUCIL

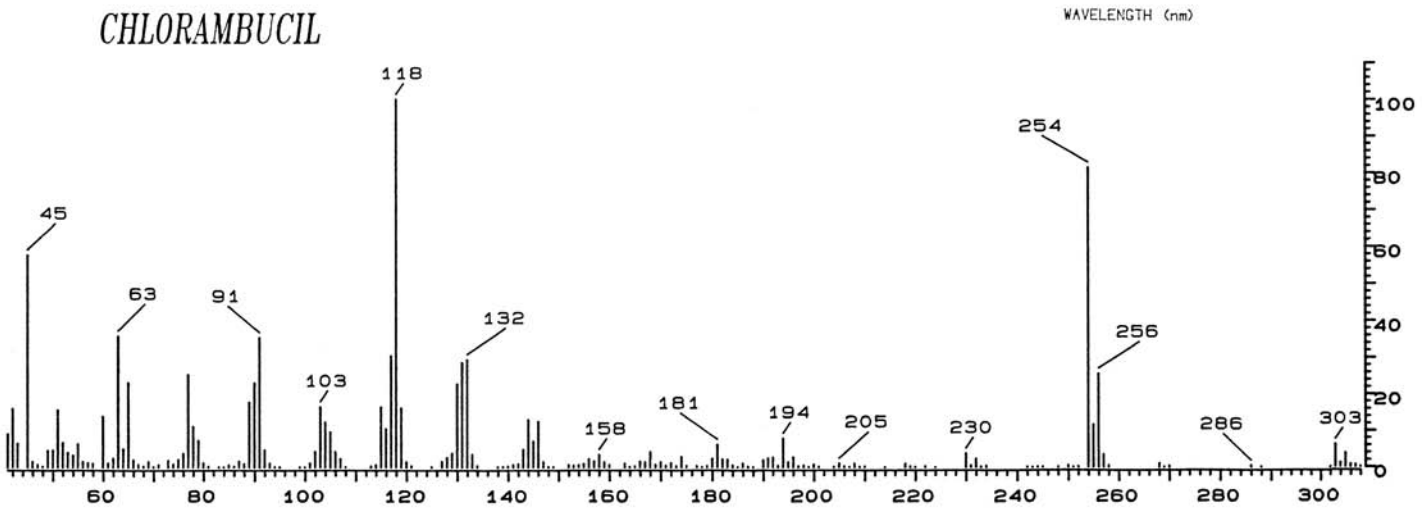
$C_{14}H_{19}Cl_2NO_2$

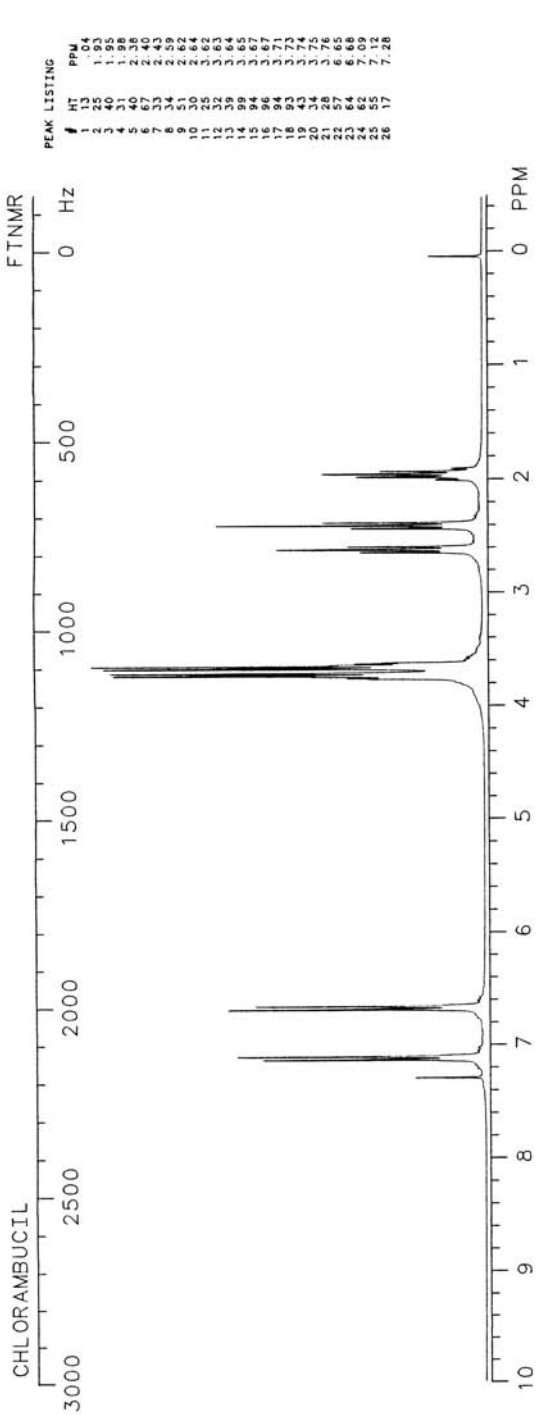
Molecular weight: 304.22 (303.08)
Synonyms: 4-[Bis(2-chloroethyl)amino]benzenebutanoic acid; chloroambucil; chloraminophene
Trade names: Leukeran

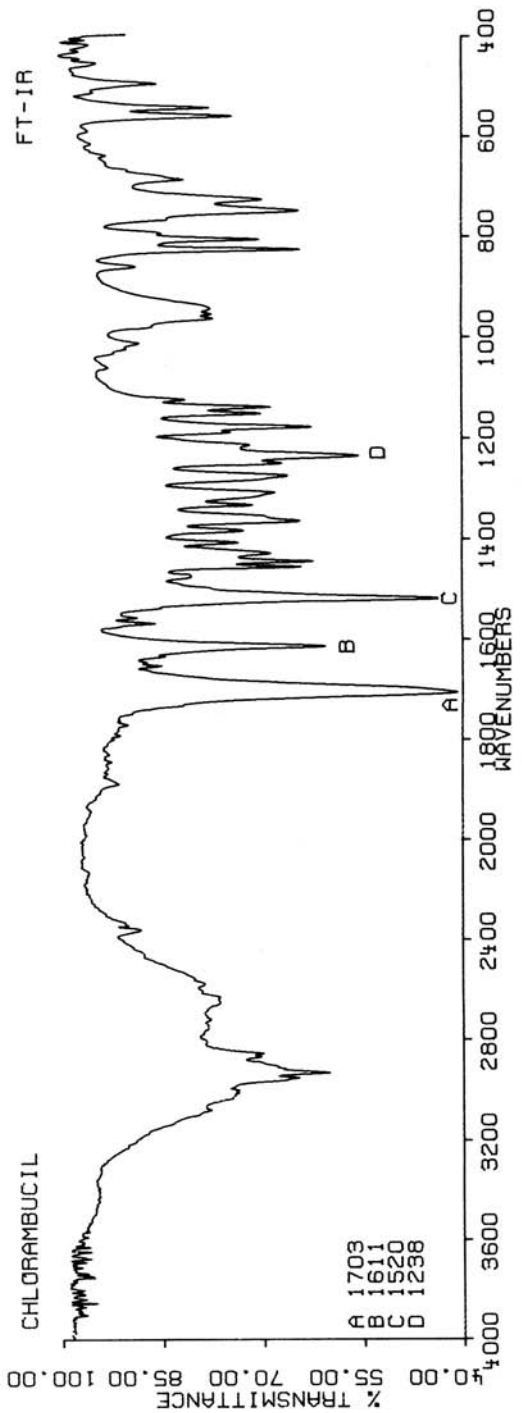
Use: Antineoplastic
HPLC: Si-10; 10A:90B; 4.0
GC:








FTNMR
CHLORAMBUCIL
PEAK LISTING
HT PPM
1 13 1.04
2 15 1.93
3 40 1.95
4 31 1.98
5 40 2.38
6 67 2.40
7 33 2.43
8 34 2.59
9 51 2.62
10 30 2.64
11 25 3.62
12 32 3.63
13 39 3.64
14 99 3.65
15 94 3.67
16 96 3.71
17 83 3.73
18 43 3.74
19 43 3.75
20 34 3.76
21 28 6.65
22 57 6.68
23 64 7.09
24 62 7.12
25 55 7.28
26 17 7.28
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

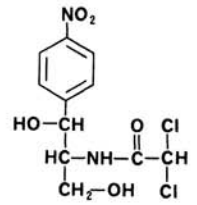

FT-IR
CHLORAMBUCIL
A 1703
B 1611
C 1520
D 1238
A
B
C
D
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

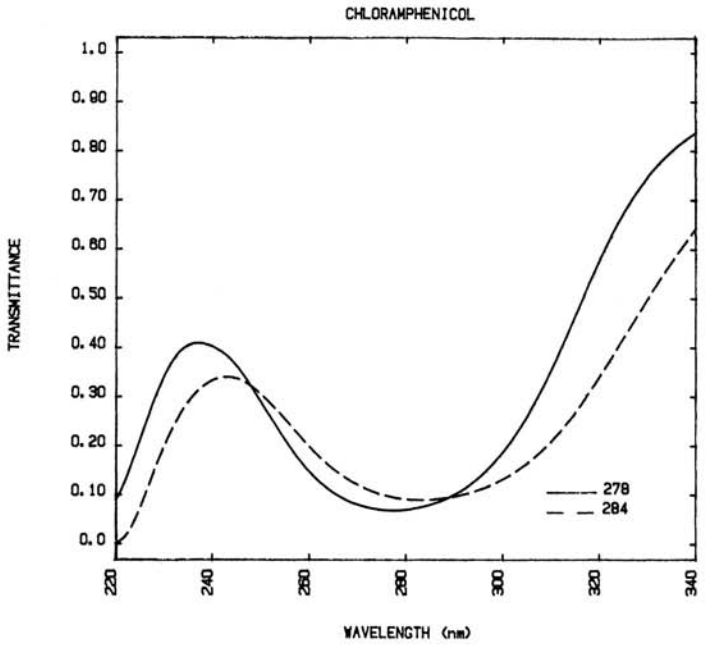
CHLORAMPHENICOL

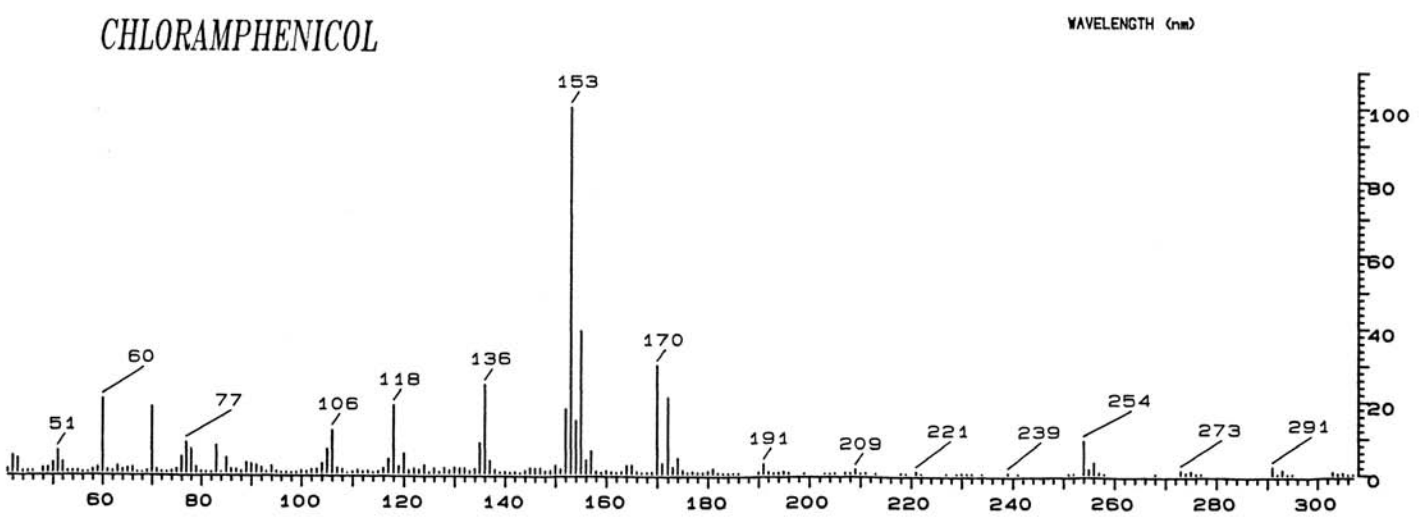
$C_{11}H_{12}Cl_2N_2O_5$

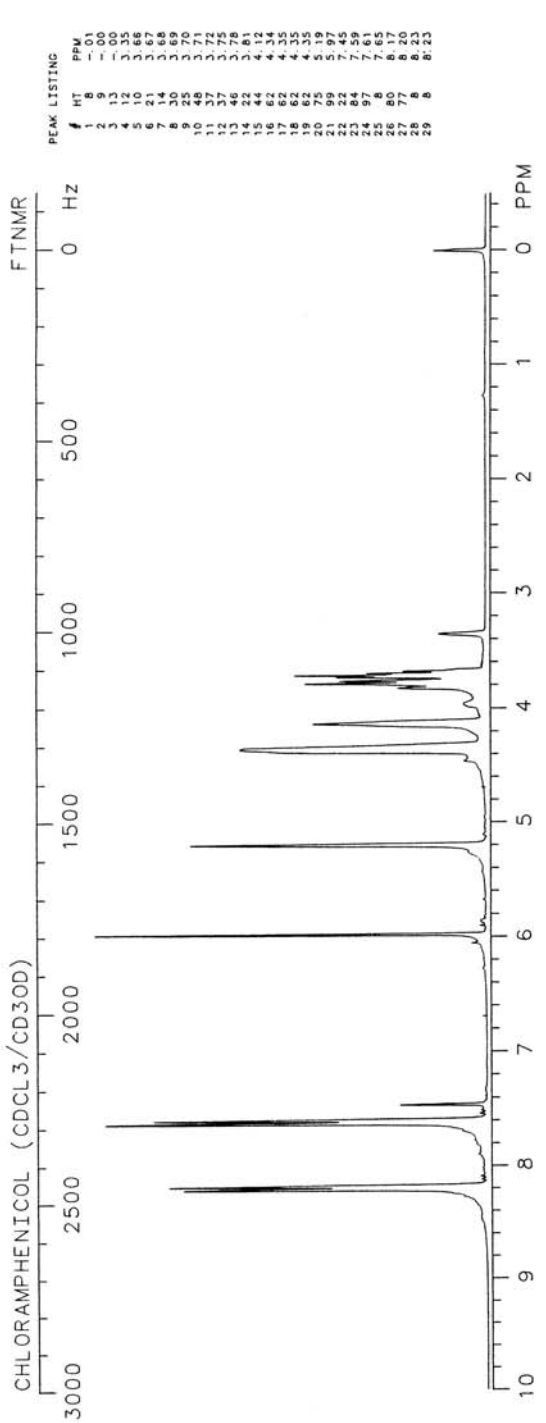
Molecular weight: 323.13 (322.01)
Synonyms: D(-)-Threo-2,2-dichloro-N-[β -hydroxy-α-(hydroxymethyl)-p-nitrophenethyl]acetamide
Trade names: Chloromycetin, Chloromyxin, Ophthochlor, Ophthocort

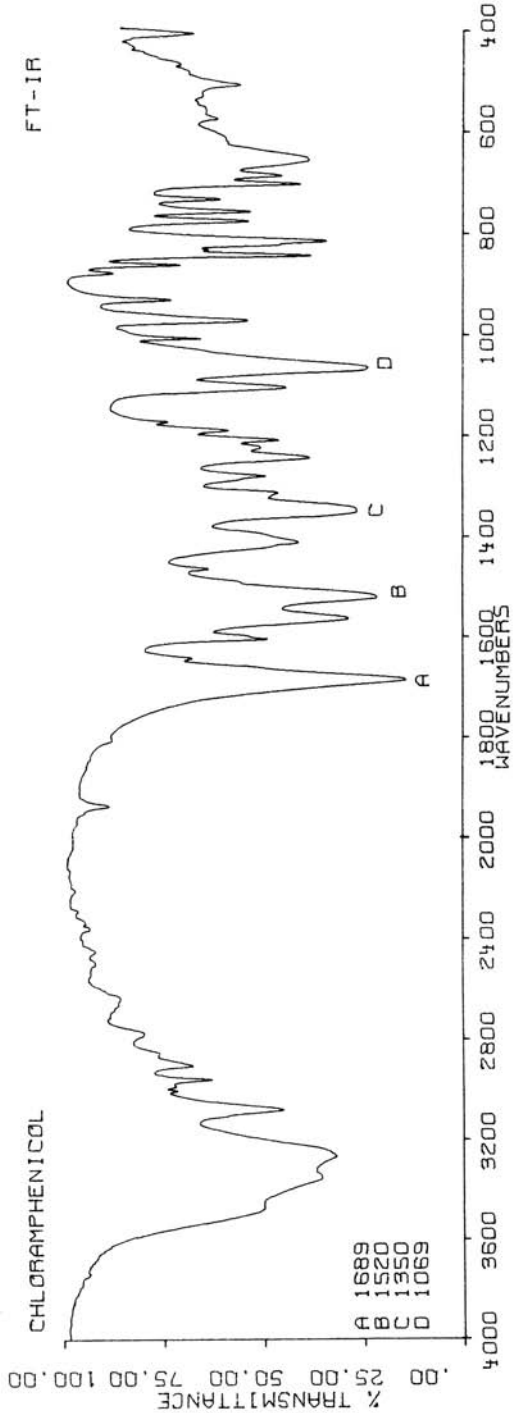
Use: Antibacterial, antirickettsial
HPLC: Si-10; 2A:98B; 5.0
GC:








FTNMR
CHLORAMPHENICOL (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 8 -.01
2 9 -.00
3 113 -.00
4 12 3.35
5 10 3.66
6 21 3.67
7 14 3.68
8 30 3.69
9 25 3.70
10 48 3.71
11 37 3.72
12 37 3.75
13 46 3.78
14 22 3.81
15 44 4.12
16 62 4.34
17 62 4.35
18 62 4.35
19 62 4.35
20 75 5.19
21 99 5.97
22 22 7.45
23 84 7.59
24 97 7.61
25 8 7.65
26 80 8.17
27 77 8.20
28 8 8.23
29 8 8.23

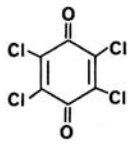

FT-IR
CHLORAMPHENICOL
A 1689
B 1520
C 1350
D 1069
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

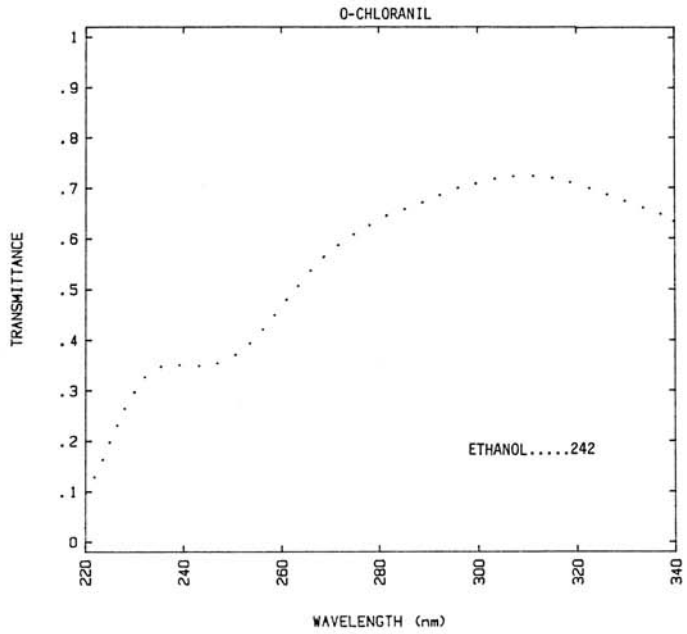
CHLORANIL

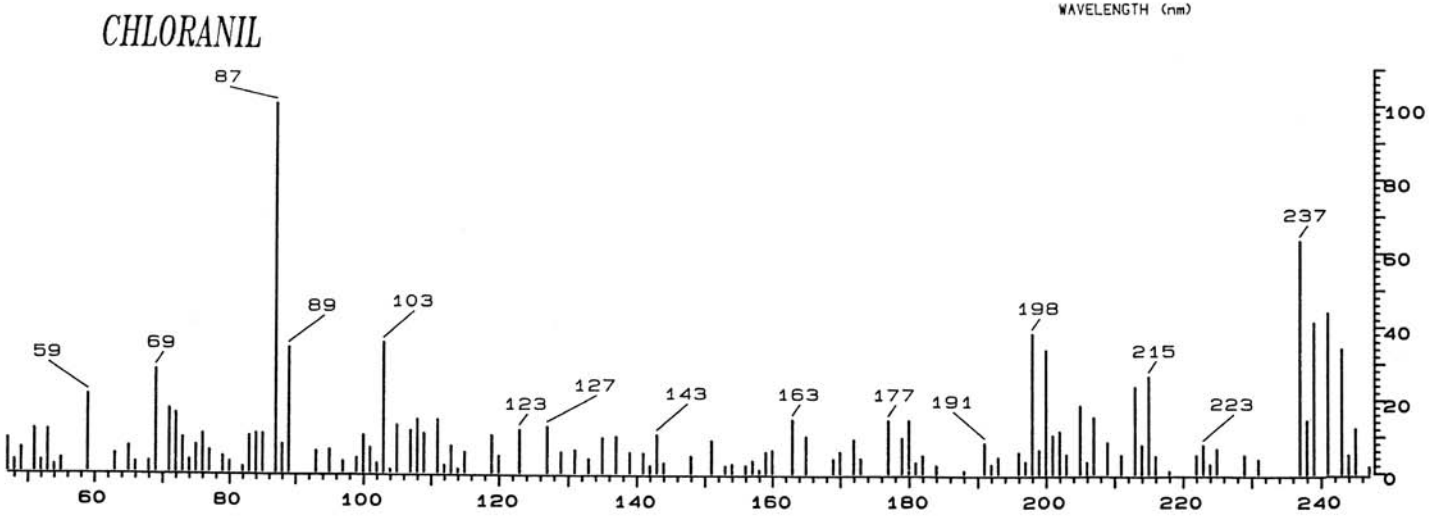
$C_6Cl_4O_2$

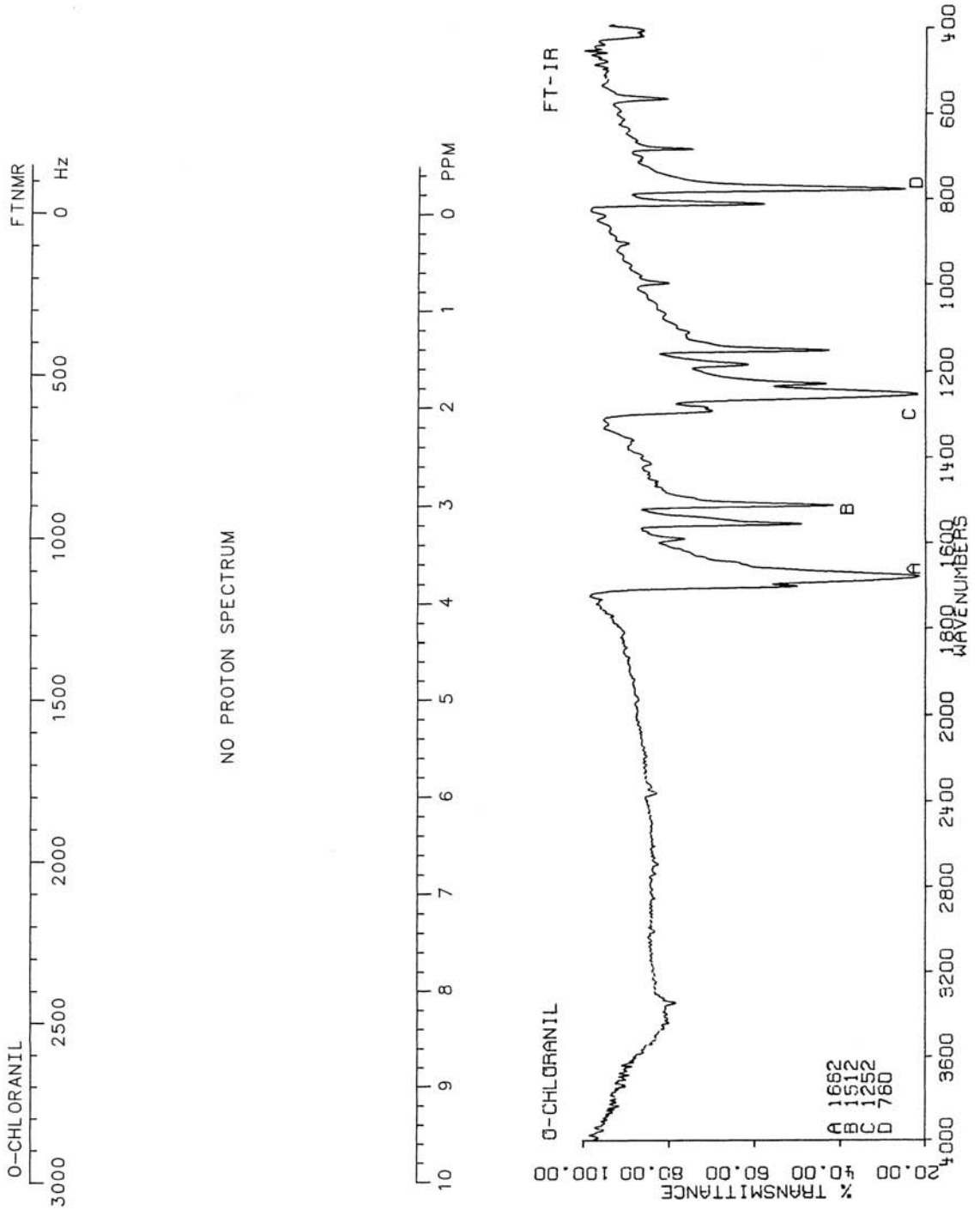
Molecular weight: 245.89 (243.87)
Synonyms: 2,3,5,6-Tetrachloro-2,5-cyclohexadiene-1,4-dione; tetrachloroquinone
Trade names: Spergon, Vulklor

Use: Fungicide
HPLC:
GC:








O-CHLORANIL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
NO PROTON SPECTRUM
10 9 8 7 6 5 4 3 2 1 0 PPM
O-CHLORANIL
FT-IR
A 1662
B 1512
C 1252
D 760
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

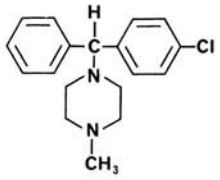
CHLORCYCLIZINE

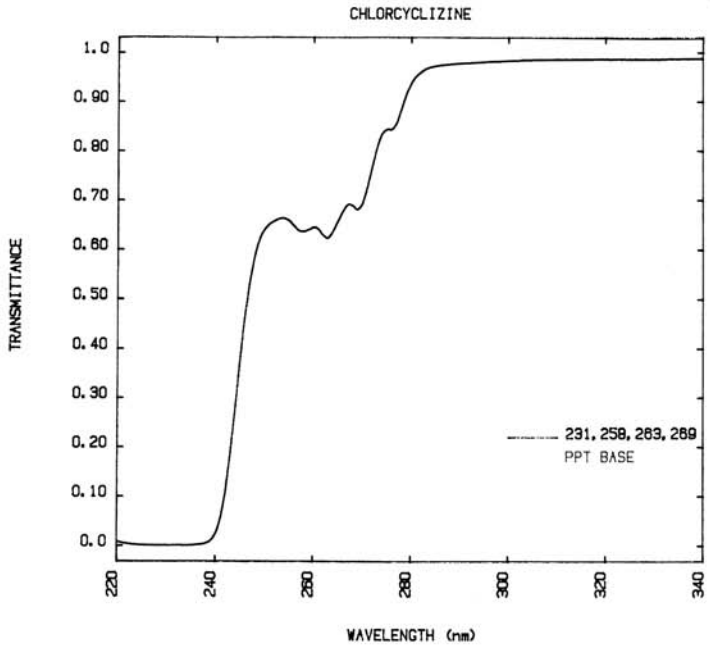
$C_{18}H_{21}ClN_2$

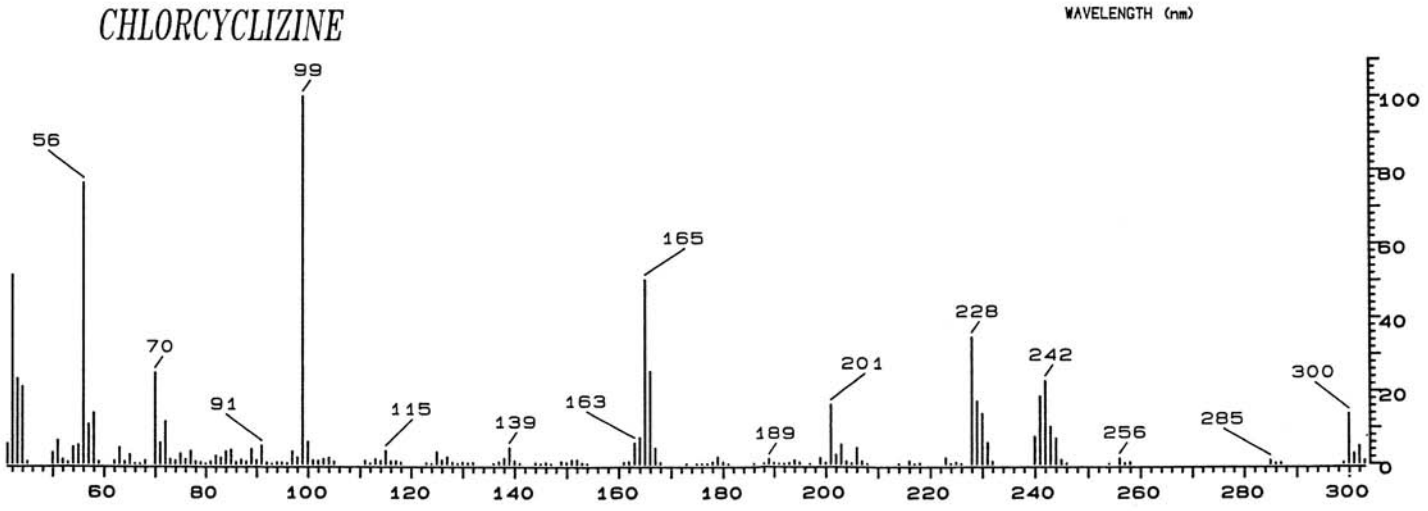
Molecular weight: 300.83 (300.14)
Synonyms: 1-[(4-Chlorophenyl)phenylmethyl]-4-methylpiperazine

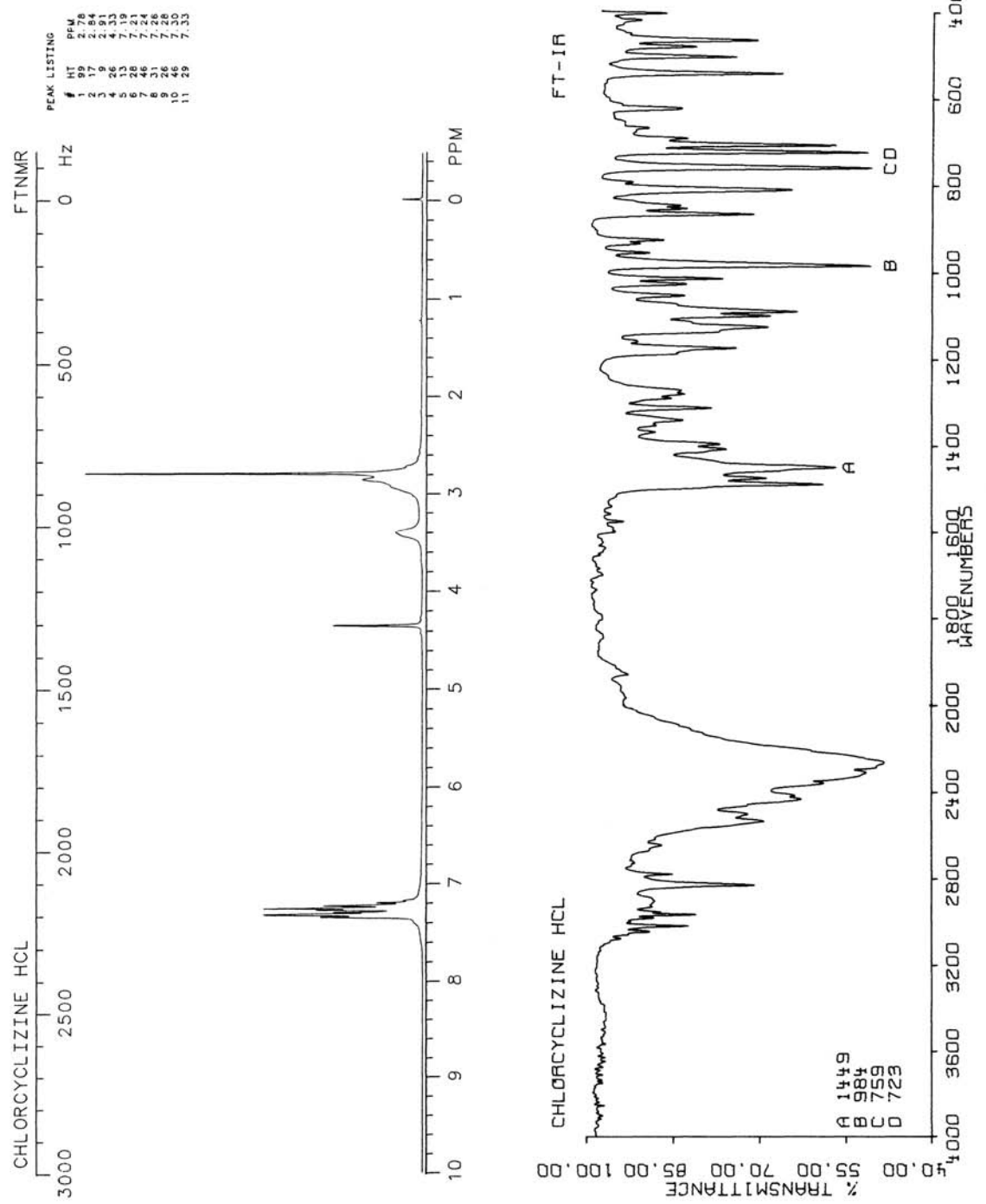
Trade names: Fedrazil, Mantadil

Use: Antihistaminic
HPLC: Si-10; 5A:95B; 4.0
GC: 2281; 250°C







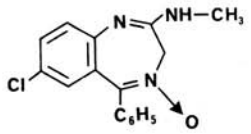

CHLORCYCLIZINE HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 99 2.78
2 97 2.84
3 9 2.91
4 26 4.33
5 13 7.19
6 28 7.21
7 46 7.24
8 31 7.26
9 26 7.28
10 46 7.30
11 29 7.33
CHLORCYCLIZINE HCL
FT-IR
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1449
B 984
C 759
D 723
A
B
CD

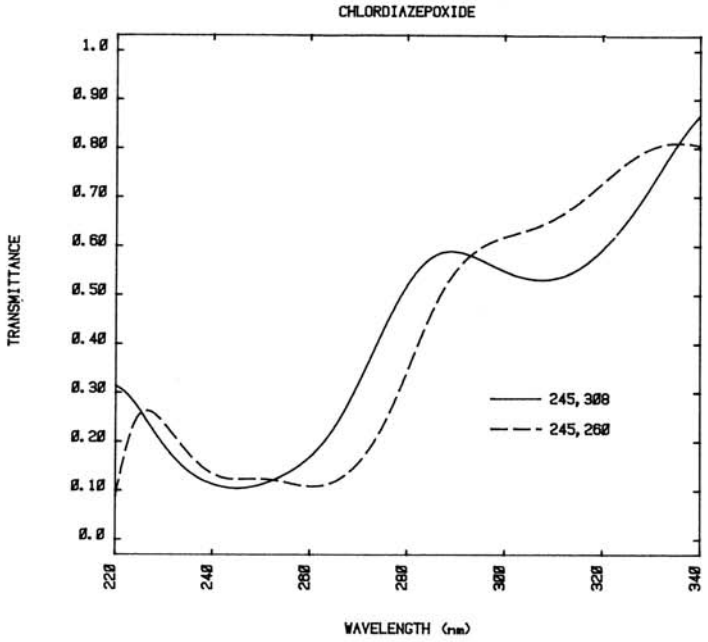
CHLORDIAZEPOXIDE

$C_{16}H_{14}ClN_3O$

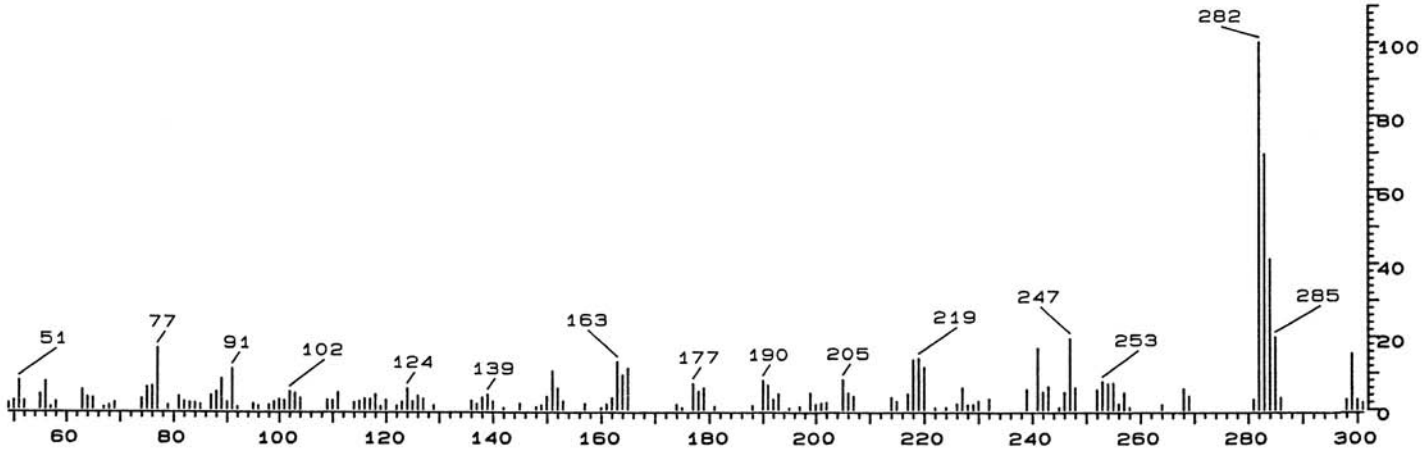
Molecular weight: 299.76 (299.08)
Synonyms: 7-Chloro-N-methyl-5-phenyl-3H-1,4-benzodiazepin-2-amine-4-oxide
Trade names: Librax, Libritabs, Librium, Limbitrol

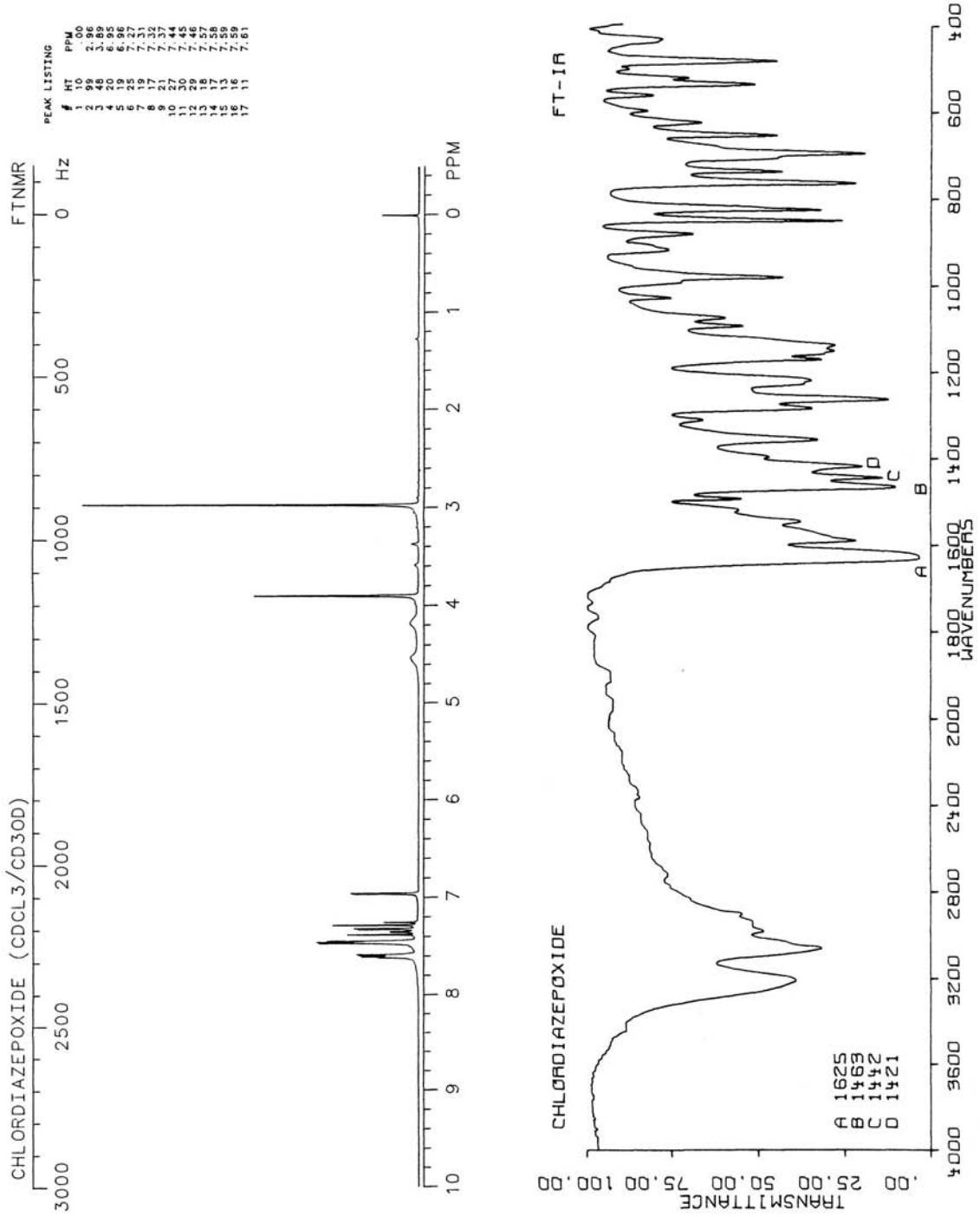
Use: Tranquilizer
HPLC: Si-10; 1A:99B; 6.0
GC: 2611; 280°C





CHLORDIAZEPOXIDE



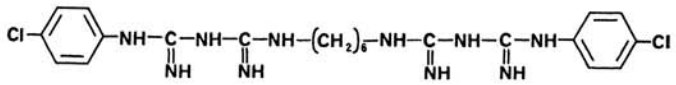

CHLORDIAZEPOXIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 10 .00
2 99 2.96
3 48 3.89
4 20 6.95
5 19 6.96
6 25 7.27
7 17 7.31
8 17 7.32
9 21 7.37
10 27 7.44
11 30 7.45
12 29 7.46
13 18 7.57
14 13 7.58
15 13 7.59
16 16 7.59
17 11 7.61
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CHLORDIAZEPOXIDE
FT-IR
A 1625
B 1463
C 1442
D 1421
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

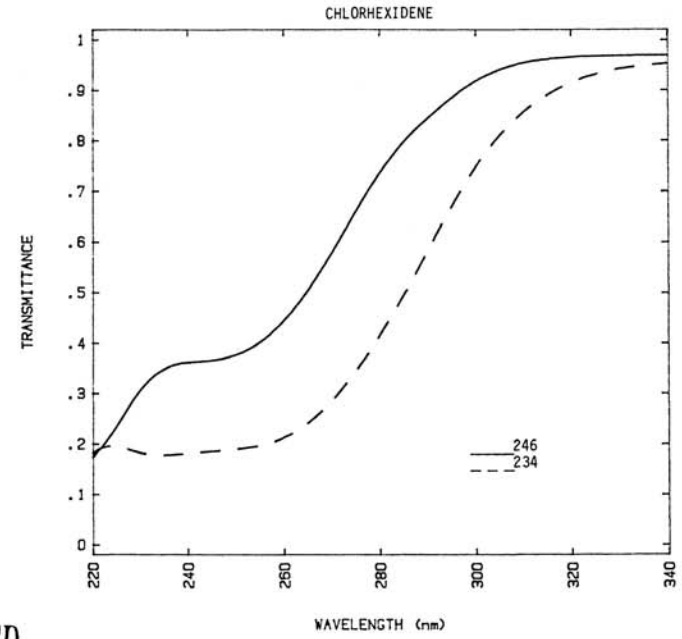
CHLORHEXIDINE

$C_{22}H_{30}Cl_2N_{10}$

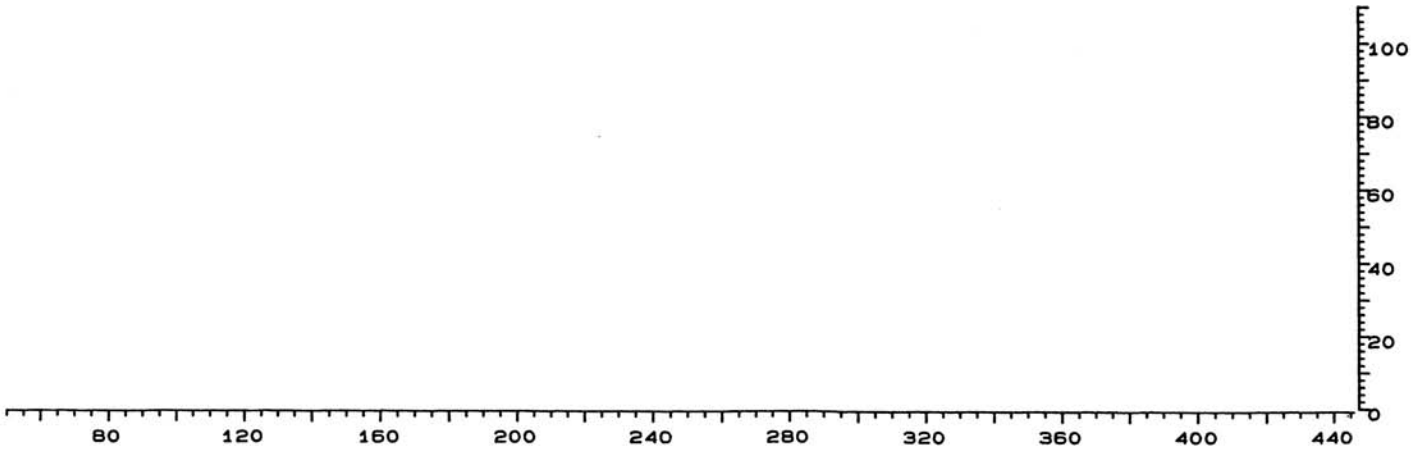
Molecular weight: 505.48 (504.20)
Synonyms: N,N''-Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetra-azatetradecanediimidamide; hexol
Trade names: Cetal, Hibiclens, Hibistat, Lisium, Sterilon

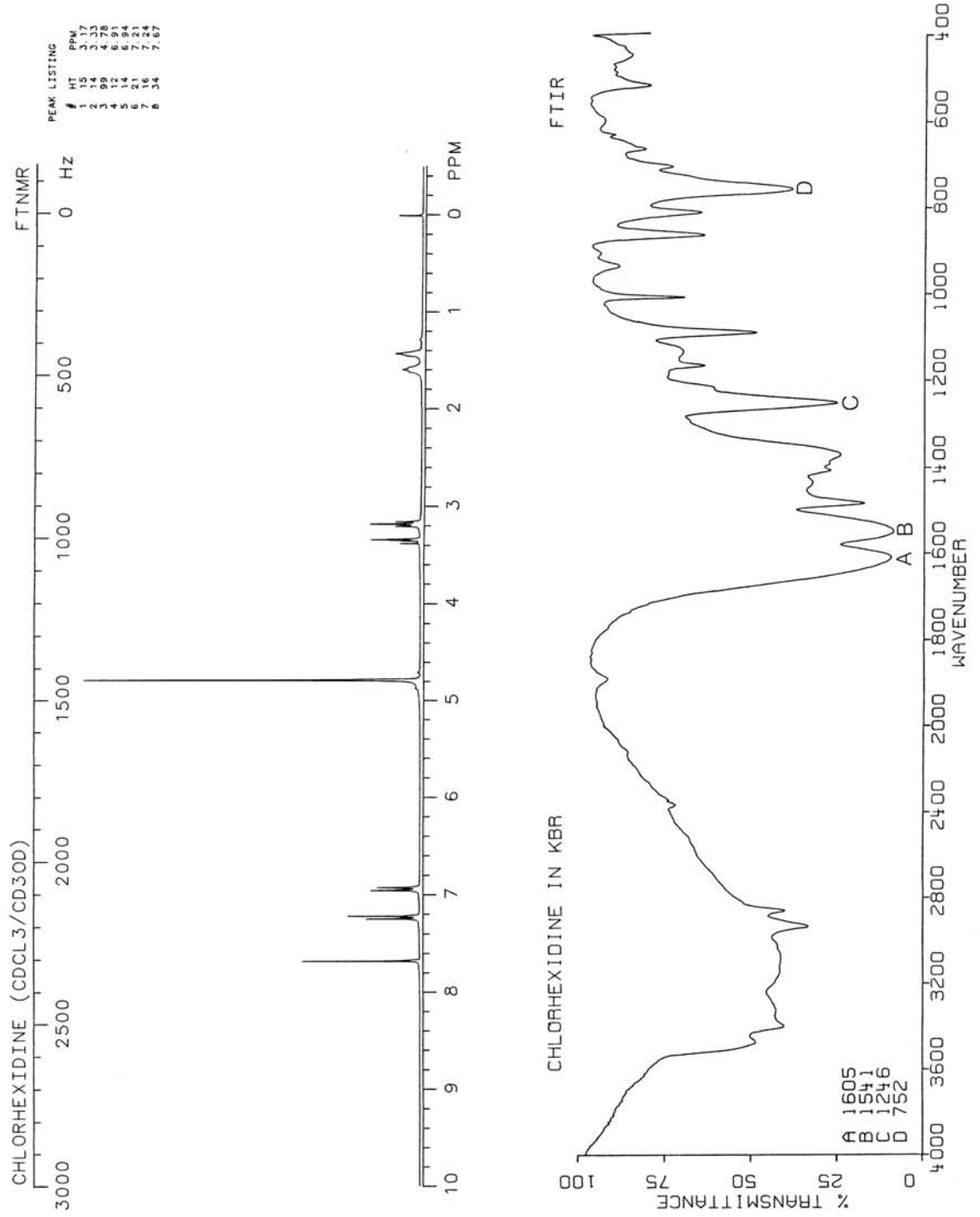
Use: Topical anti-infective
HPLC: Si-10; 2A:98B; 8.0
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

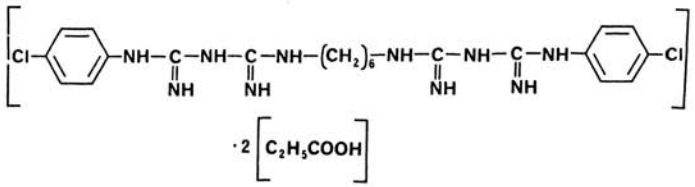


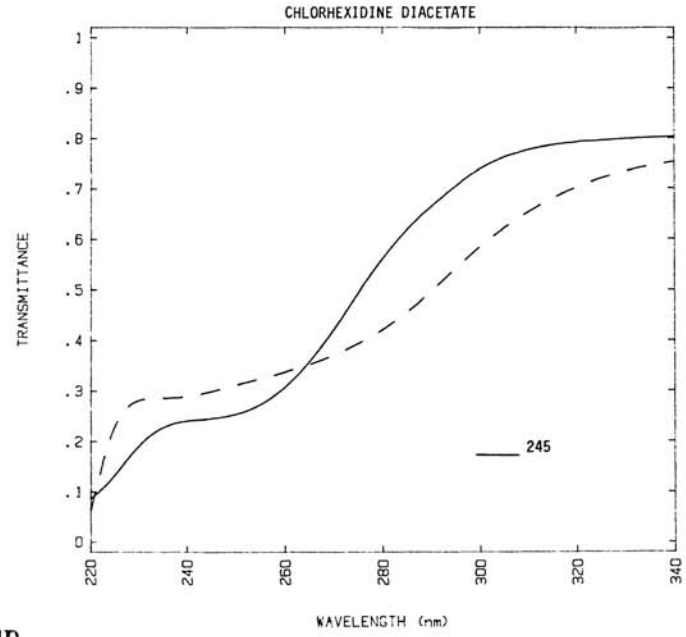

CHLORHEXIDINE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 15 3.17
2 14 3.33
3 99 4.78
4 12 6.93
5 14 6.94
6 21 7.21
7 16 7.24
8 34 7.67
CHLORHEXIDINE IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1605
B 1541
C 1246
D 752

CHLORHEXIDINE DIACETATE

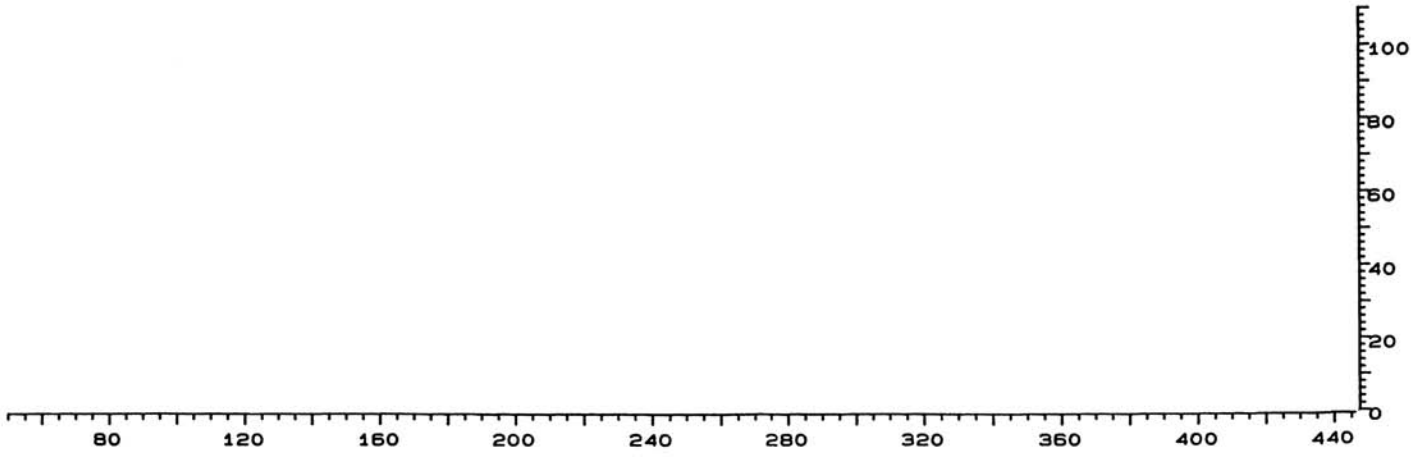
$C_{26}H_{38}Cl_2N_{10}O_4$

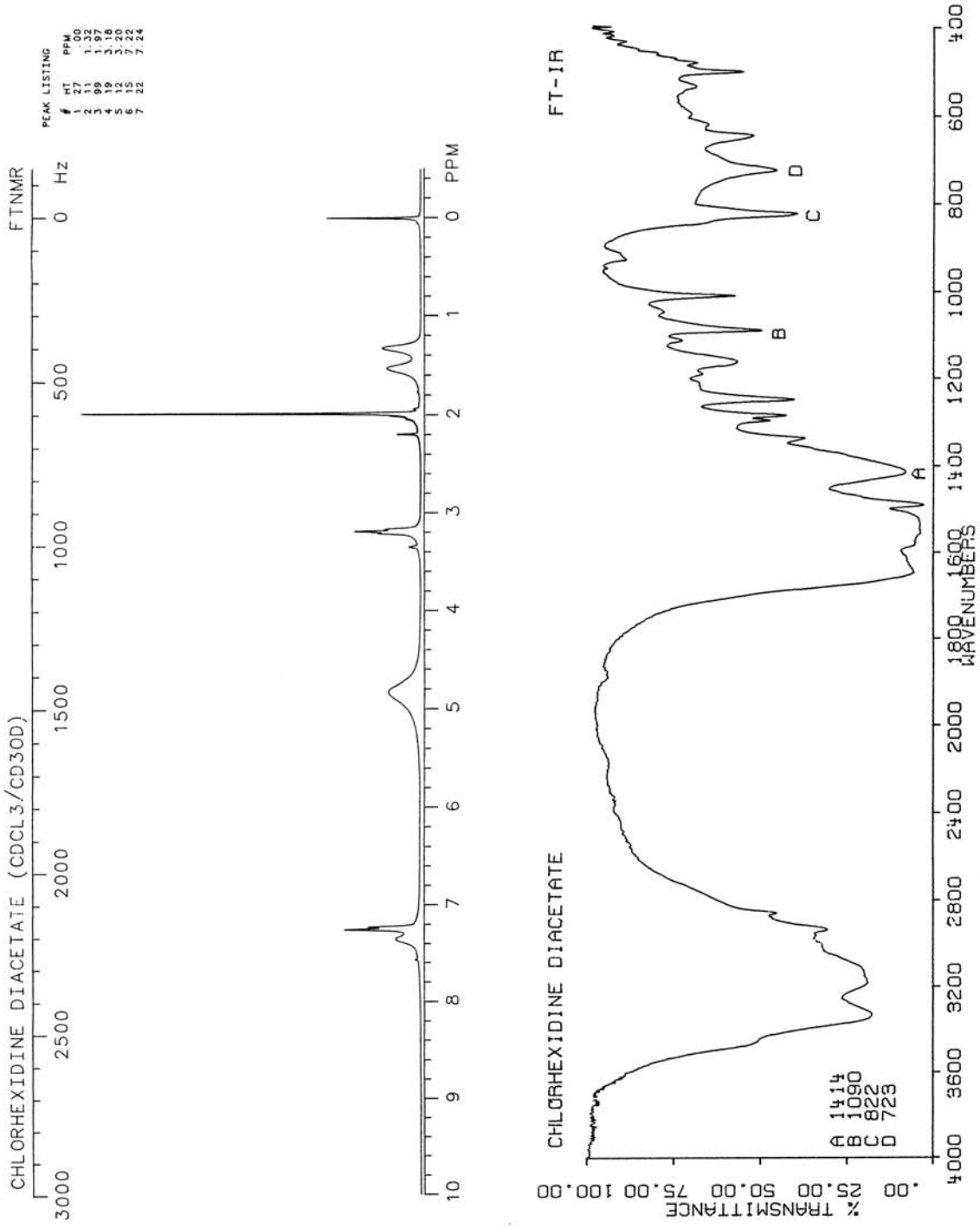
Molecular weight: 625.53 (624.25)
Synonyms: N,N''-Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetra-azatetradecanediimidamide diacetate
Trade names: Corsodyl, Hibitane, Hibiclens, Hibiscrub, Norgotin, PlacOut, Plurexid, Rotersept, Travasept
Use: Antimicrobial
HPLC: Si-10; 20A:80B; 4.3
GC: 1193; 140°C





NO USEFUL MASS SPECTRUM WAS OBTAINED



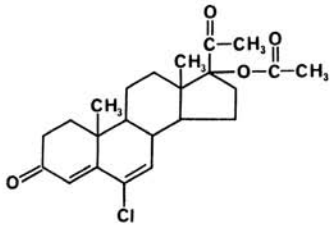

CHLORHEXIDINE DIACETATE (CDCL3/CD3OD)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 27 .00
2 11 1.32
3 99 1.97
4 19 3.18
5 12 3.20
6 15 7.22
7 22 7.24
CHLORHEXIDINE DIACETATE
FT-IR
A 1414
B 1090
C 822
D 723
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

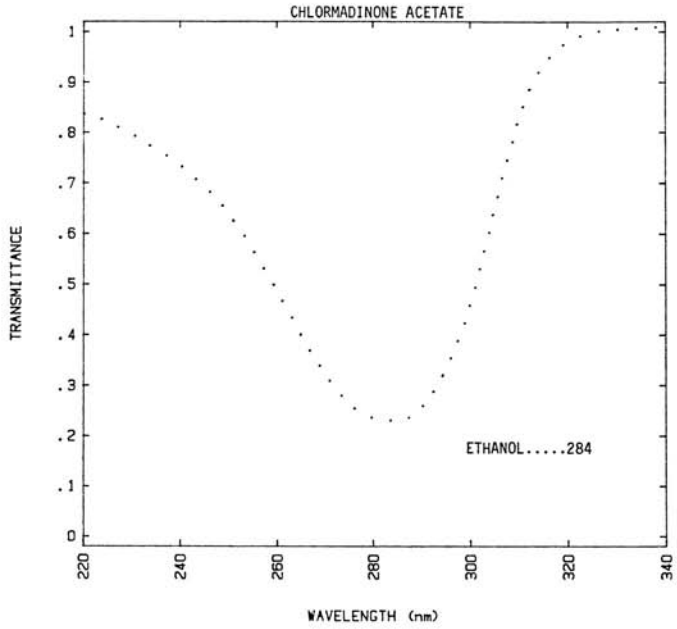
CHLORMADINONE ACETATE

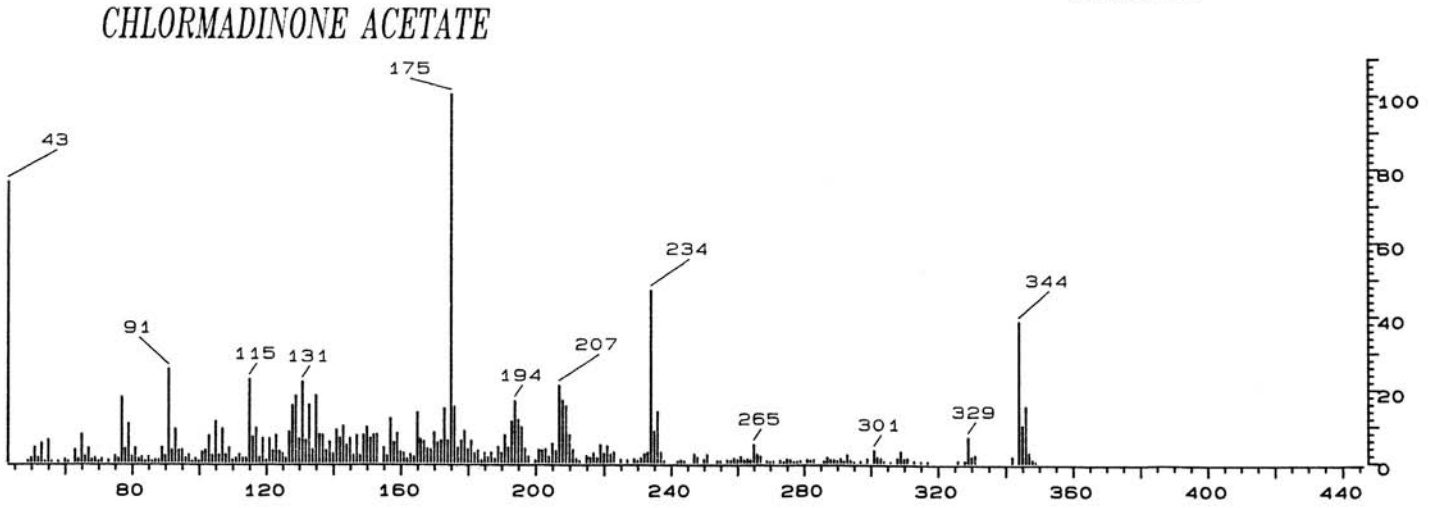
$C_{23}H_{29}ClO_4$

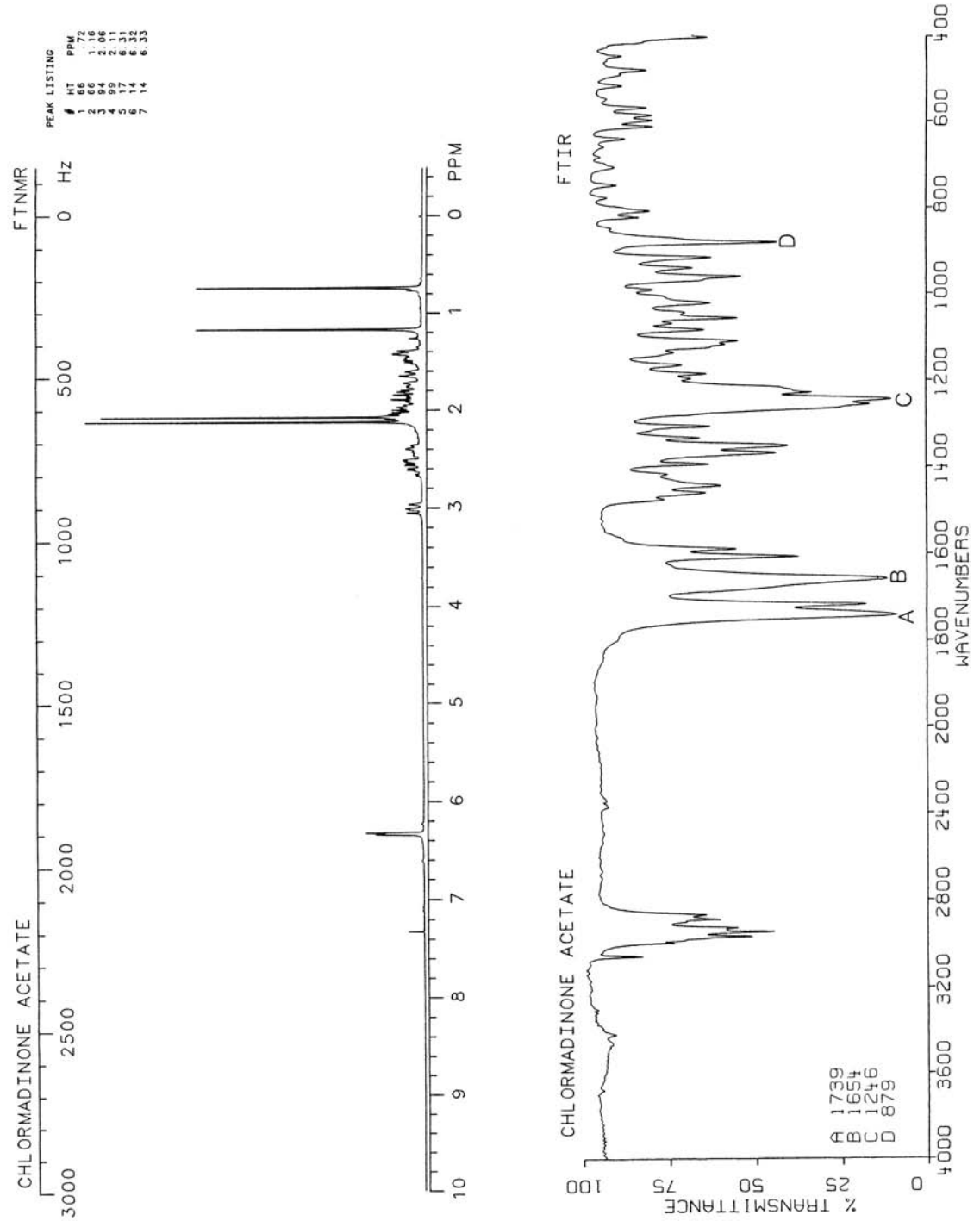
Molecular weight: 404.94 (404.18)
Synonyms: 6-Chloro-17-hydroxy-pregna-4,6-3,20-dione acetate;
6-chloro-6-dehydro-17α-hydroxyprogesterone acetate
Trade names: Amenyl, Gestafontin, Luteran, Menova, Sequens

Use: Progestin
HPLC: Si-10; 100B; 3.4
GC:







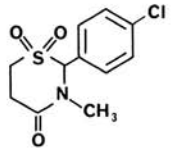

FTNMR
CHLORMADINONE ACETATE
PEAK LISTING
HT PPM
1 66 .72
2 66 1.16
3 64 2.06
4 99 2.11
5 17 6.31
6 14 6.32
7 14 6.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
CHLORMADINONE ACETATE
A 1739
B 1654
C 1246
D 879
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

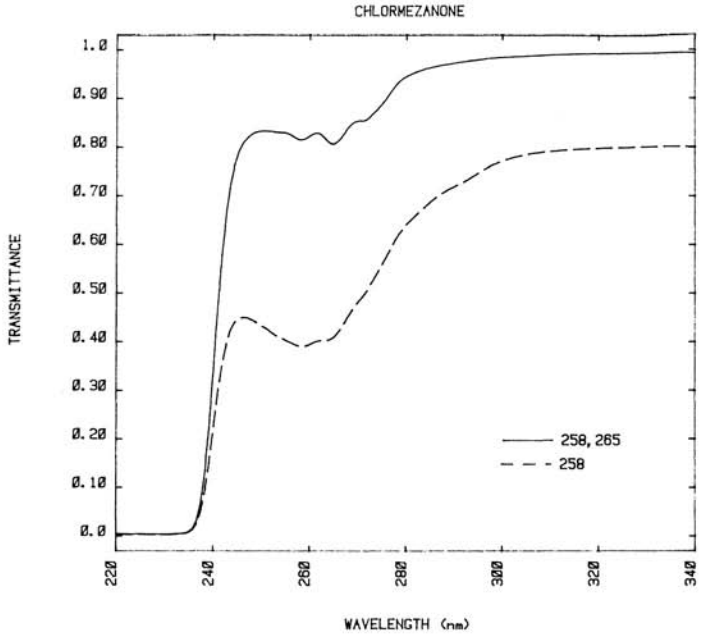
CHLORMEZANONE

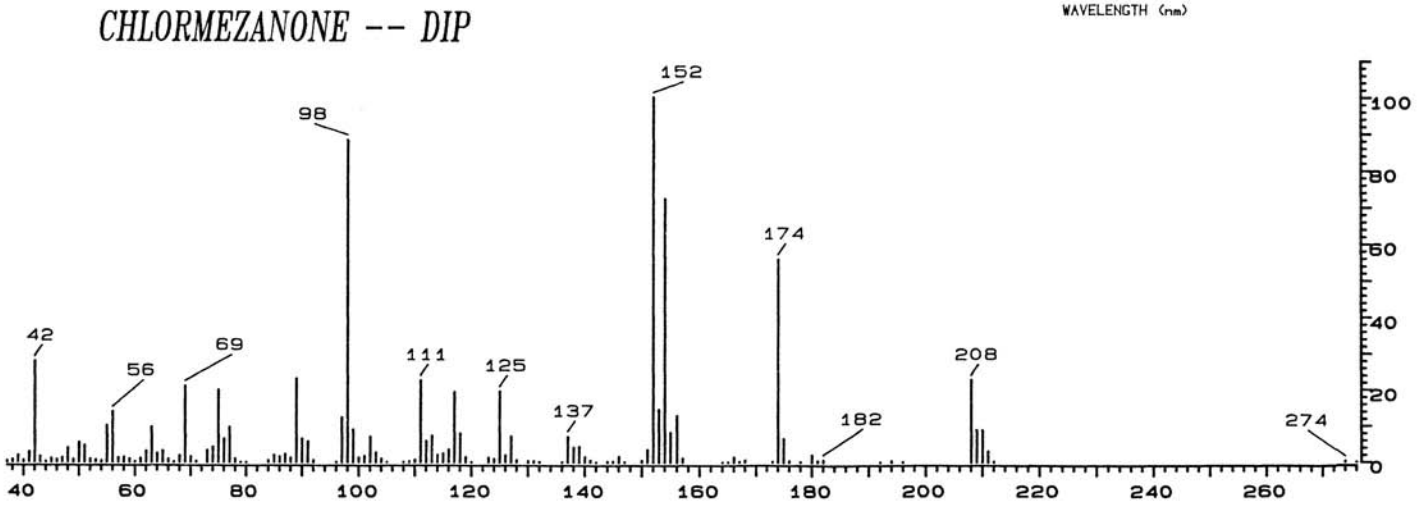
$C_{11}H_{12}ClNO_3S$

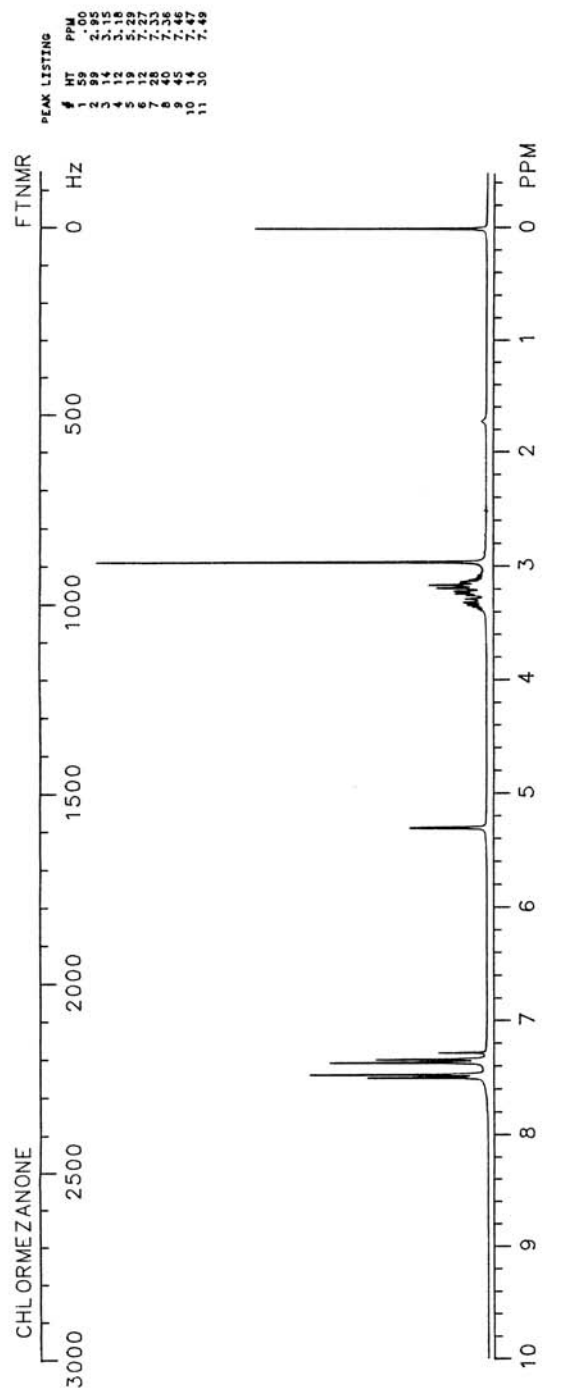
Molecular weight: 273.73 (273.02)
Synonyms: 2-(4-Chlorophenyl)tetrahydro-3-methyl-4H-1,3-thiazin-4-one-1,1-dioxide; chlormethazanone
Trade names: Trancopal

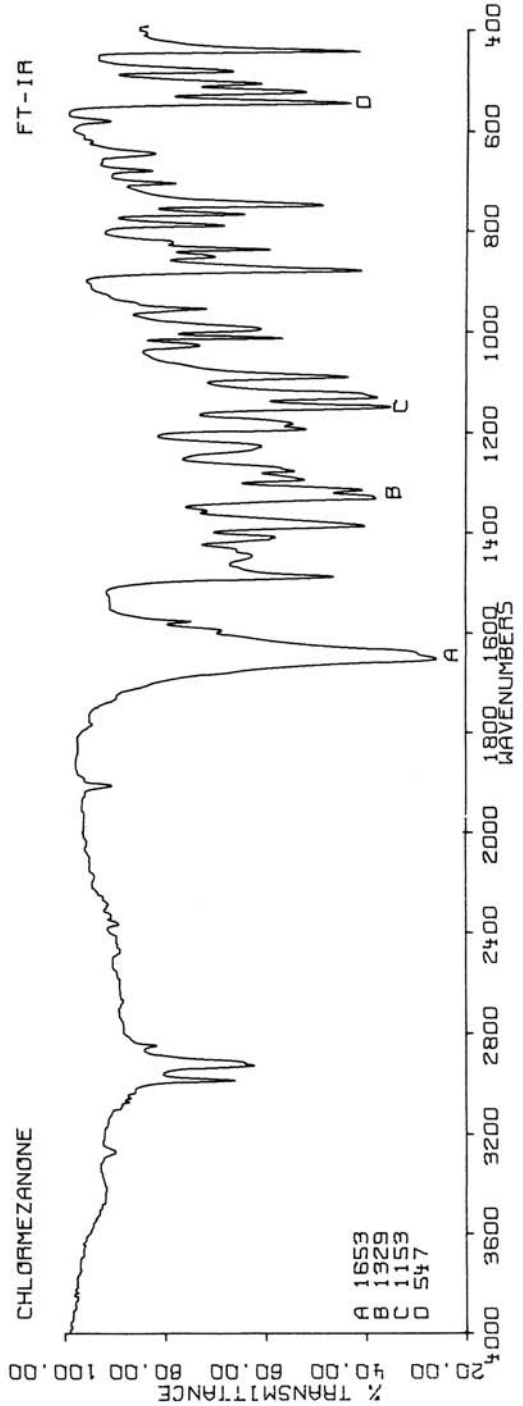
Use: Tranquilizer
HPLC: Si-10; 1A:99B; 6.3
GC: 1253; 140°C








FTNMR
CHLORMEZANONE
PEAK LISTING
HT PPM
1 59 .00
2 99 2.95
3 14 3.15
4 12 3.28
5 19 5.27
6 12 7.27
7 28 7.33
8 40 7.36
9 45 7.46
10 14 7.47
11 30 7.49
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CHLORMEZANONE
A 1653
B 1329
C 1153
D 547
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

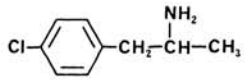
CHLOROAMPHETAMINE

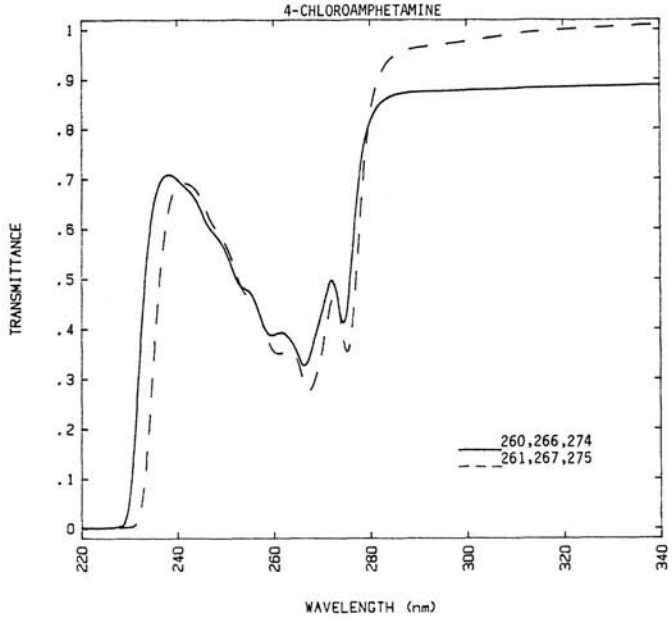
$C_9H_{12}NCl$

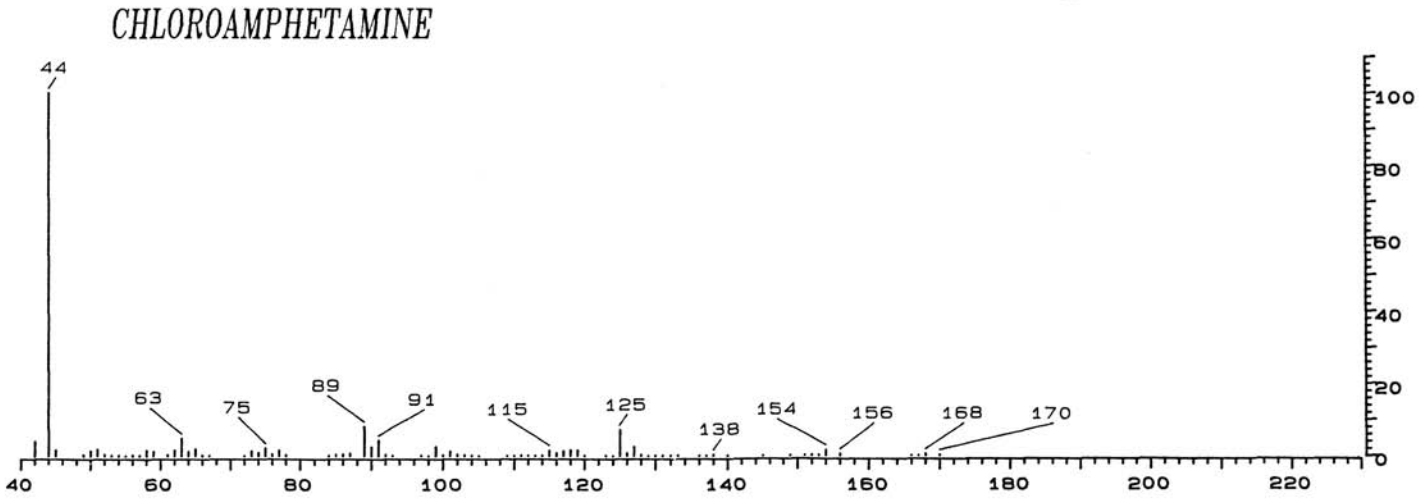
Molecular weight: 169.65 (169.07)
Synonyms: 4-Chloro-α-methylbenzeneethanamine

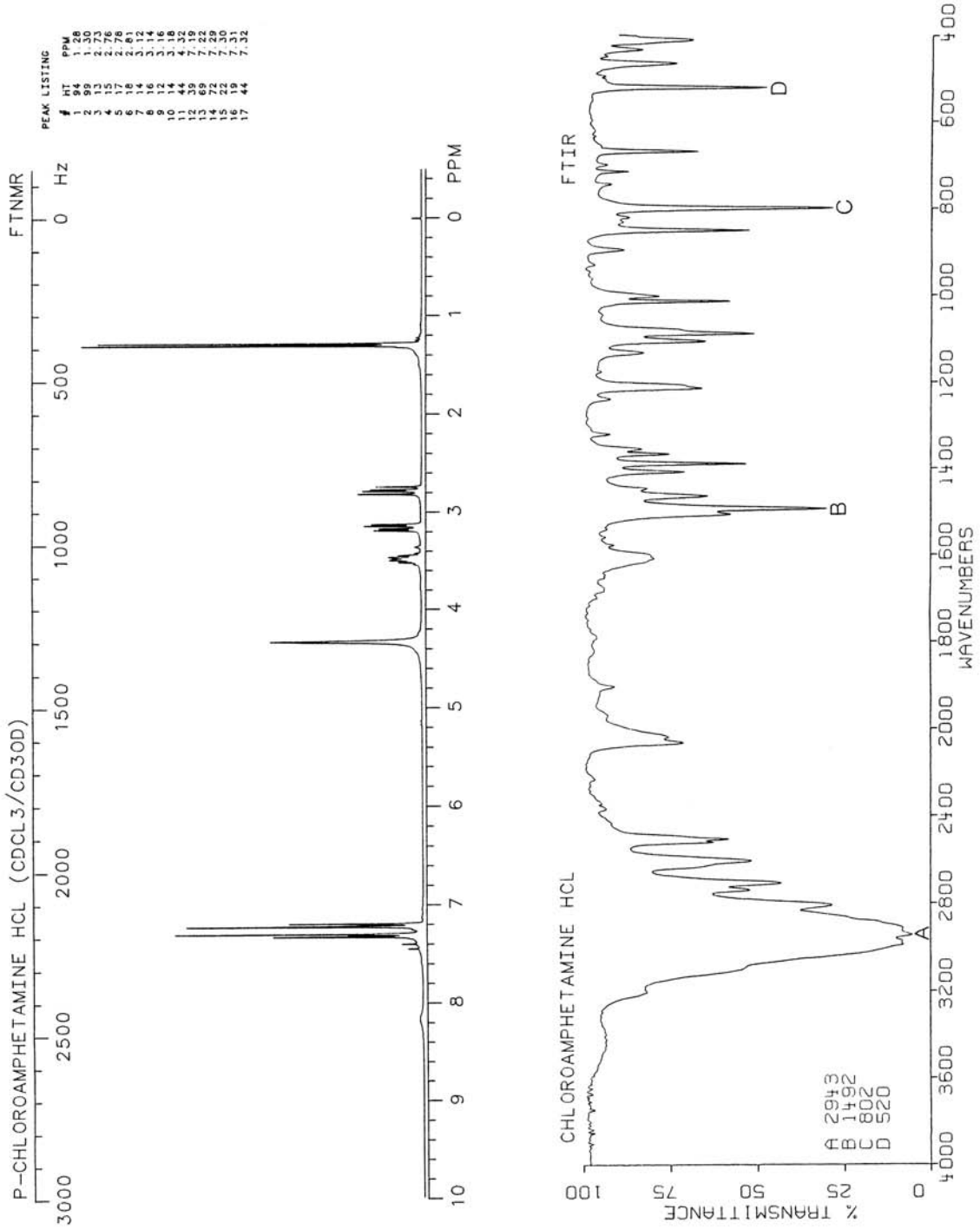
Trade names:

Use: Central stimulant
HPLC: Si-10; 10A:90B; 4.3
GC: 1321; 140°C








P-CHLOROAMPHETAMINE HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 94 1.28
2 99 1.30
3 13 2.73
4 15 2.75
5 17 2.76
6 18 2.81
7 14 3.12
8 16 3.14
9 12 3.16
10 14 3.18
11 44 4.32
12 39 7.19
13 69 7.22
14 72 7.29
15 22 7.30
16 19 7.31
17 44 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CHLOROAMPHETAMINE HCL
FTIR
A 2943
B 1492
C 802
D 520
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

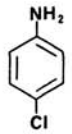
CHLOROANILINE

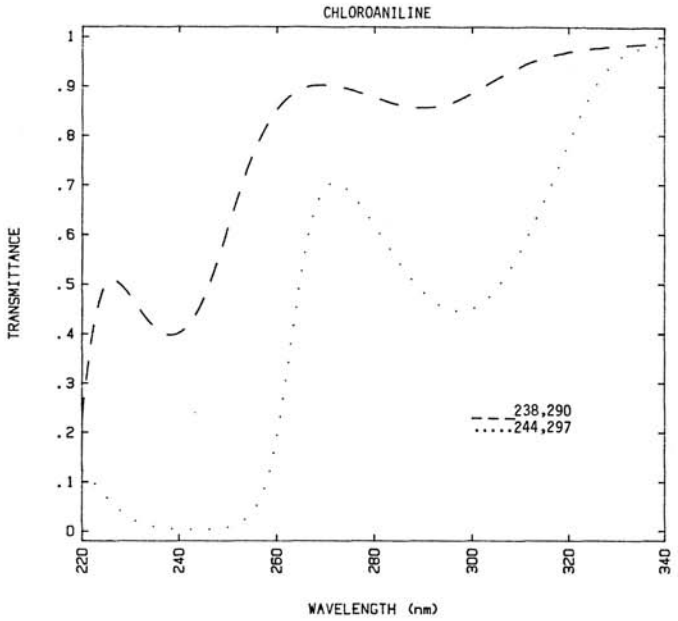
C_6H_6ClN

Molecular weight: 127.57 (127.02)
Synonyms: Chlorobenzenamine

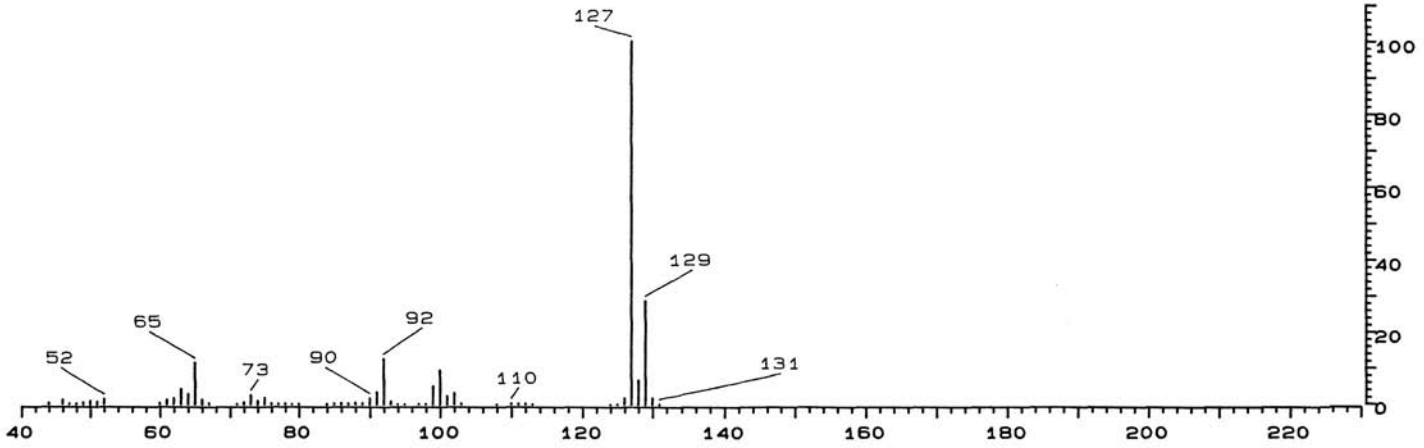
Trade names:

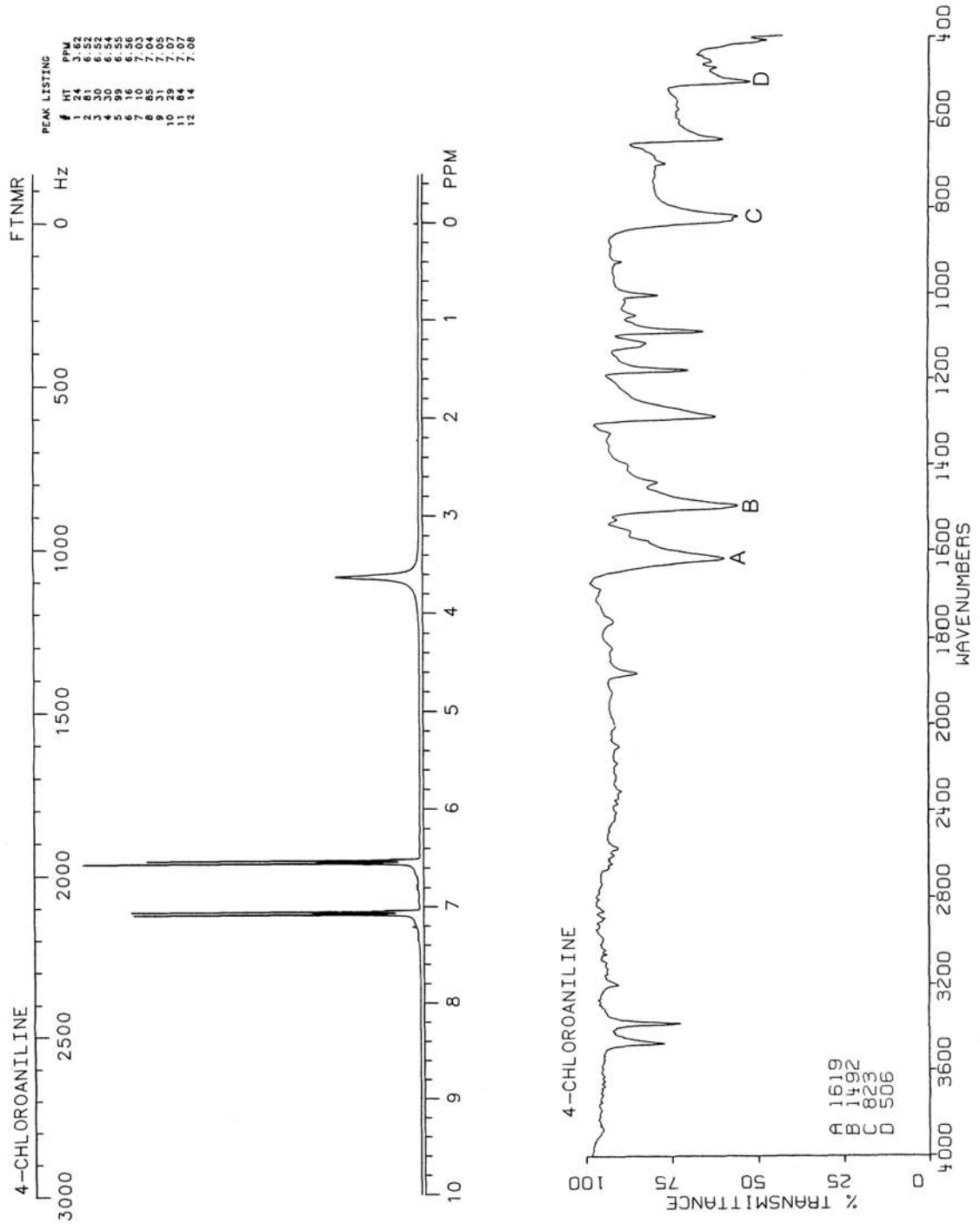
Use: Synthesis
HPLC: Si-10; 20B:80C; 6.0
GC: 1205; 140°C





CHLOROANILINE



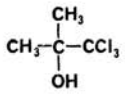

4-CHLOROANILINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 24 3.62
2 81 6.52
3 30 6.52
4 30 6.54
5 99 6.55
6 16 6.56
7 10 7.03
8 85 7.04
9 31 7.05
10 29 7.07
11 64 7.07
12 14 7.08
4-CHLOROANILINE
A 1619
B 1492
C 823
D 506
A
B
C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBERS

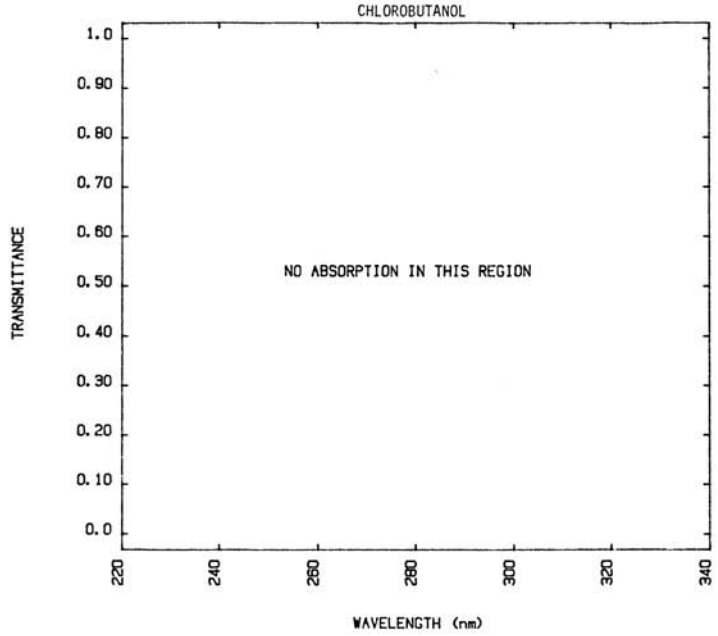
CHLOROBUTANOL

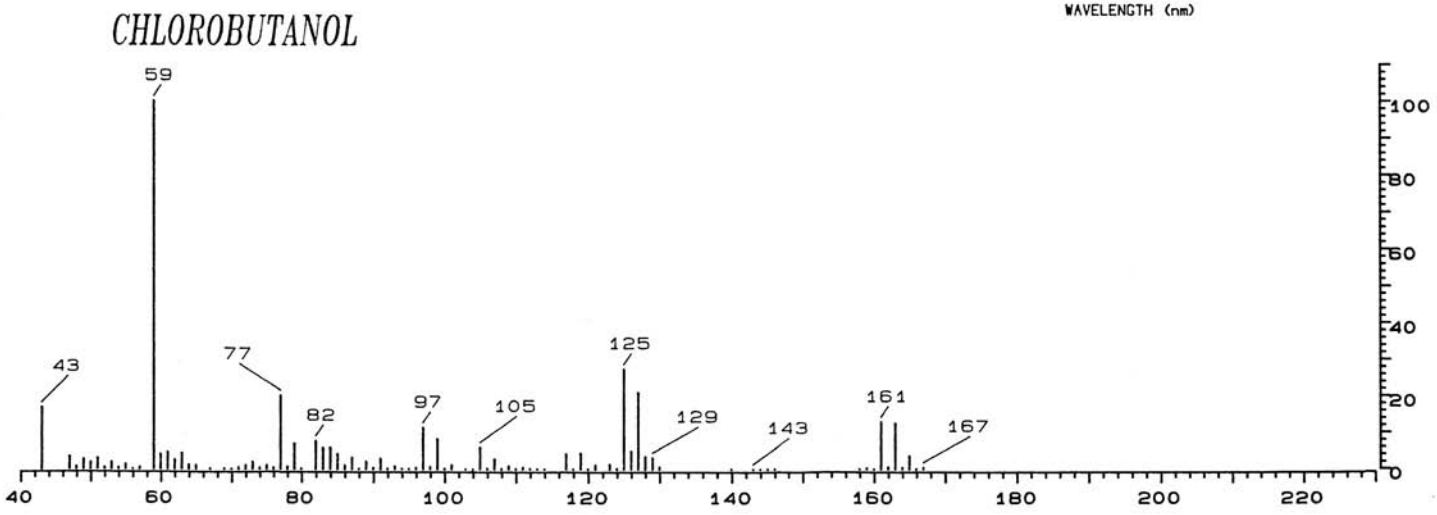
$C_4H_7Cl_3O$

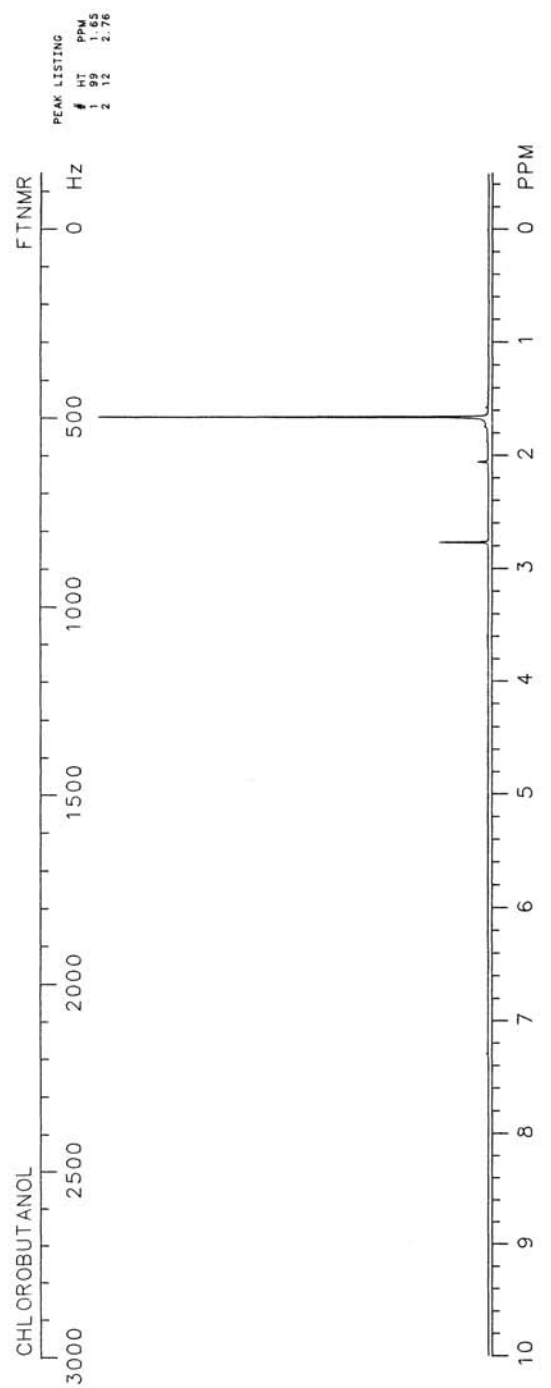
Molecular weight: 177.47 (175.96)
Synonyms: 1,1,1-Trichloro-2-methyl-2-propanol acetone chloroform; chlorbutol; chlorbutanol; acetone-chloroforme
Trade names: Chloetone, Methaform,Sedaform

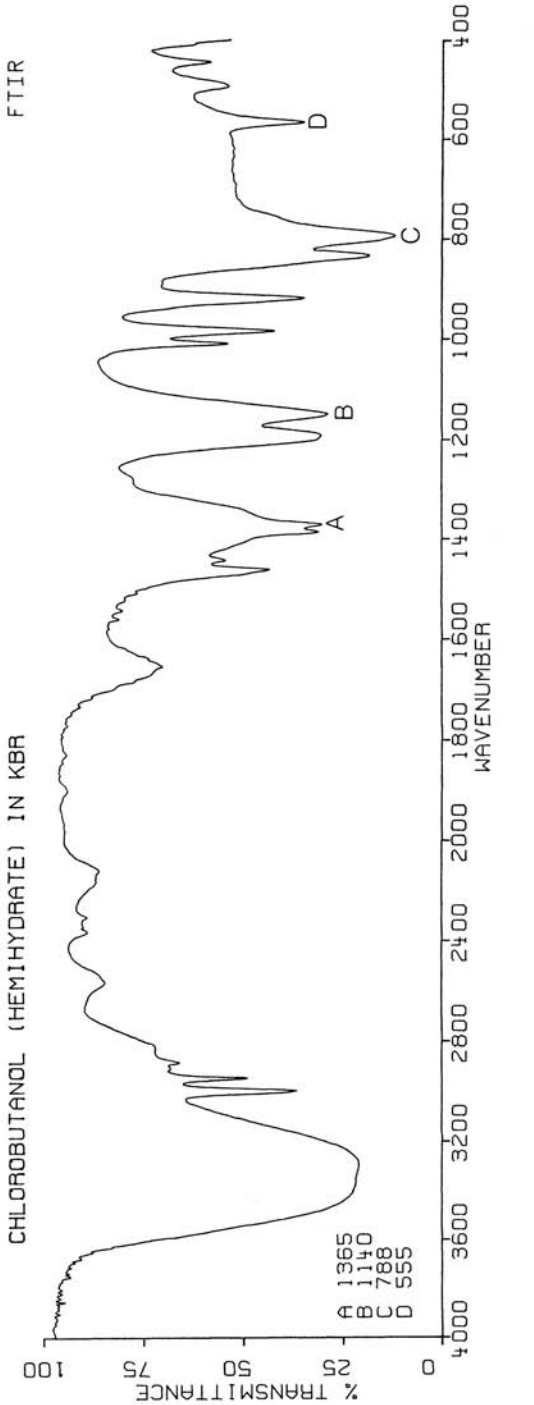
Use: Dental analgesic, antimicrobial
HPLC:
GC: 926; 80°C








FTNMR
CHLOROBUTANOL
PEAK LISTING
HT PPM
1 99 1.65
2 12 2.76
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

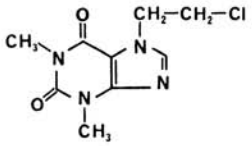

FTIR
CHLOROBUTANOL (HEMIHYDRATE) IN KBR
A 1365
B 1140
C 788
D 555
A
B
C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

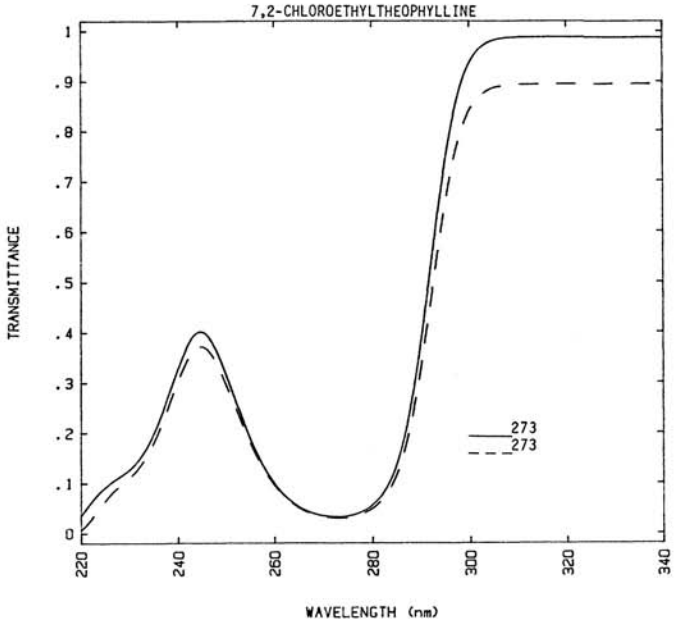
CHLOROETHYLTHEOPHYLLINE

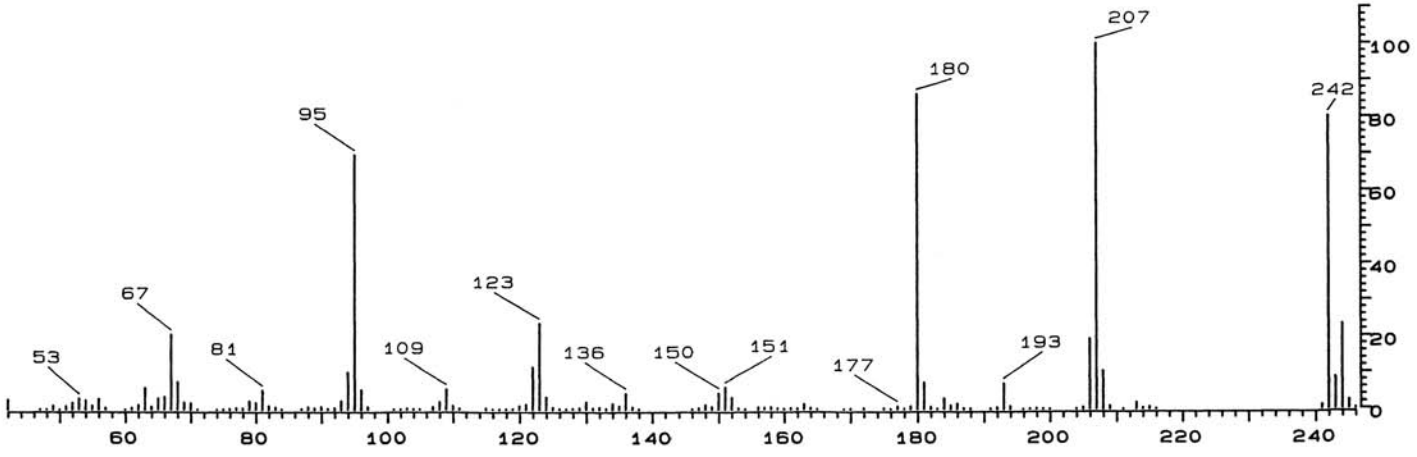
$C_9H_{11}ClN_4O_2$

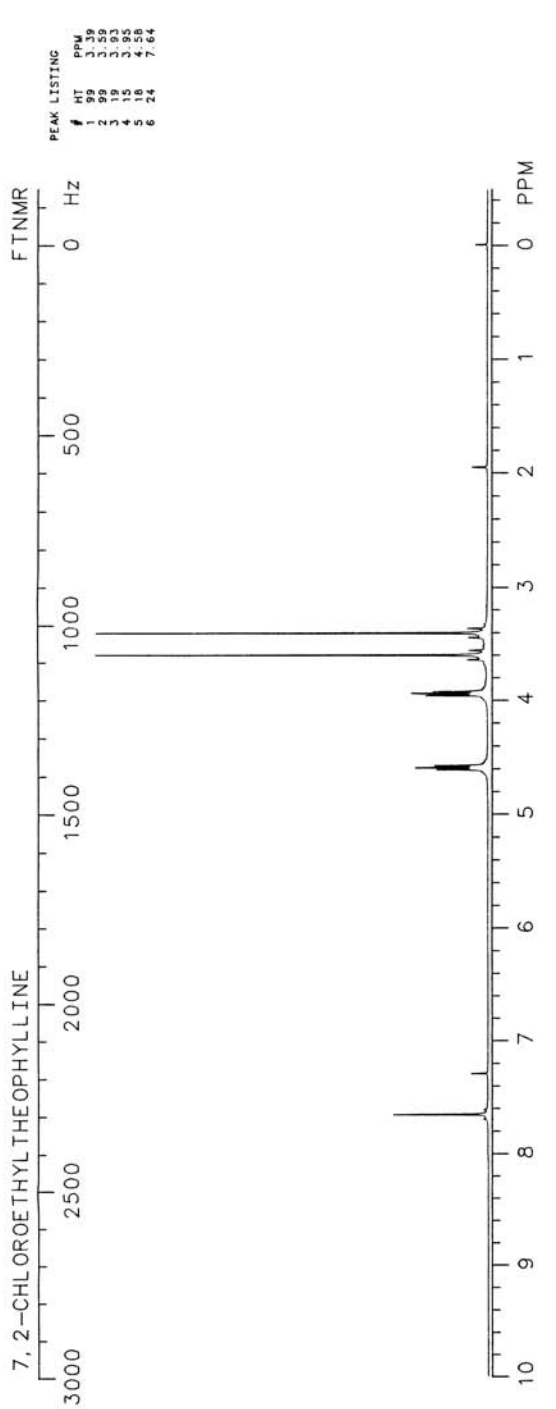
Molecular weight: 242.68 (242.06)
Synonyms: 7-(2-Chloroethyl)-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione; 7-(β-chloroethyl)theophylline
Trade names: Eupnophile

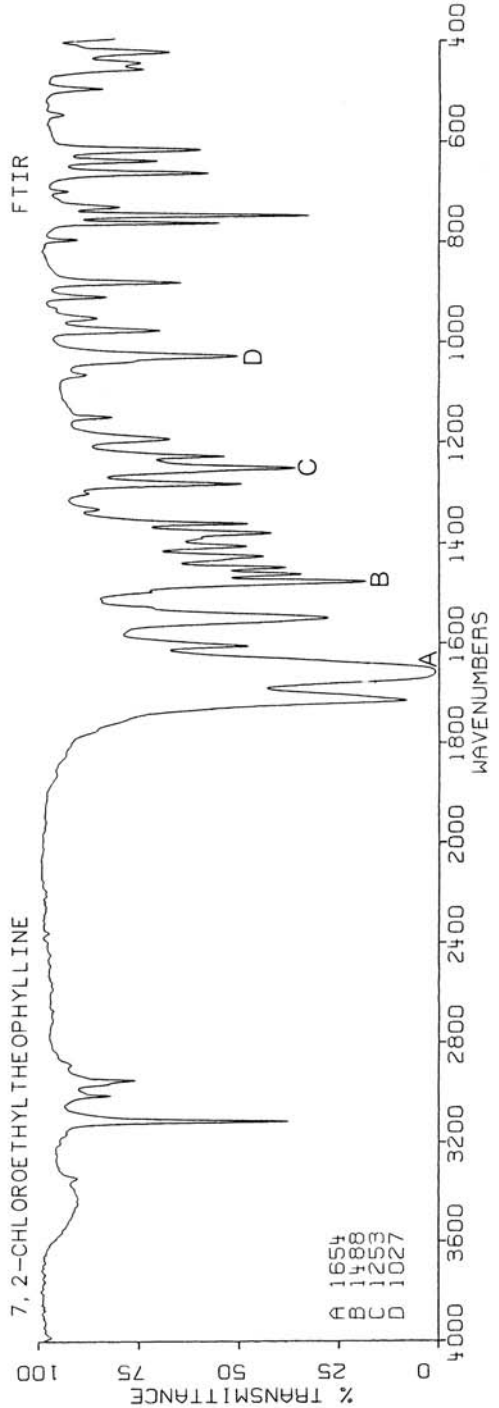
Use: Bronchodilator
HPLC:
GC: 2112; 250°C








FTNMR
7, 2-CHLOROETHYLTHEOPHYLLINE
PEAK LISTING
HT PPM
1 99 3.39
2 99 3.59
3 19 3.83
4 15 3.95
5 16 4.58
6 24 7.64
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

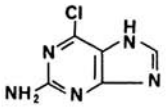

FTIR
7, 2-CHLOROETHYLTHEOPHYLLINE
A 1654
B 1488
C 1253
D 1027
A
B
C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBERS

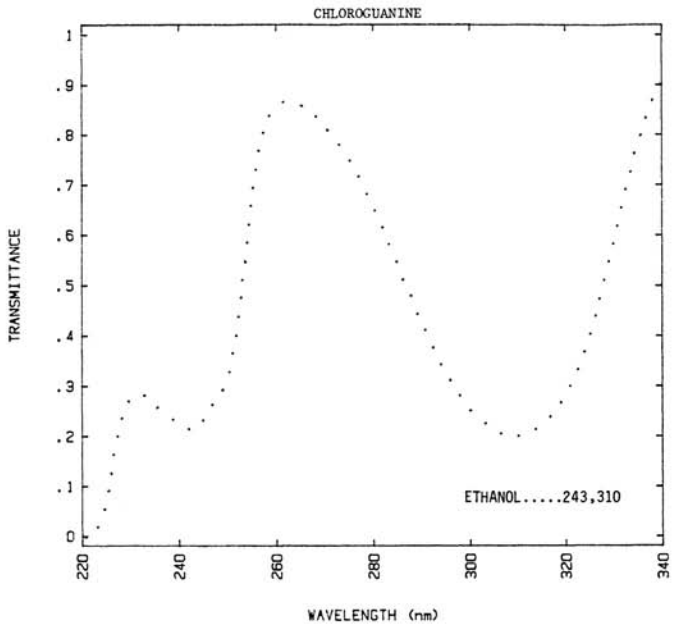
CHLOROGUANINE

$C_5H_4ClN_5$

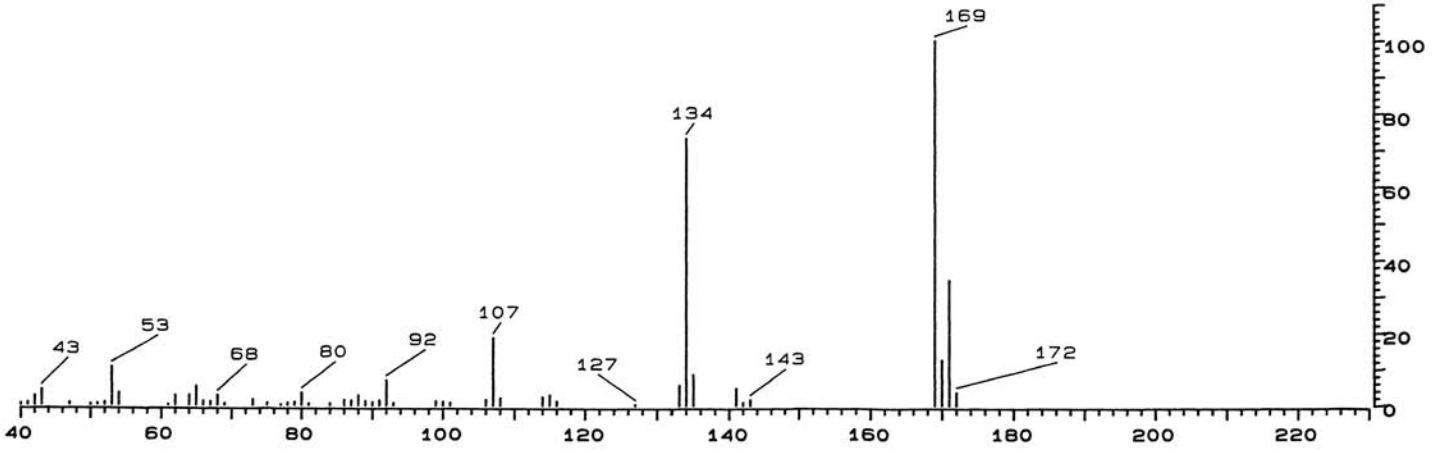
Molecular weight: 169.57 (169.02)
Synonyms: 7-dihydro-6H-purin-6-one; 2-amino-6-chloro-purine
Trade names:

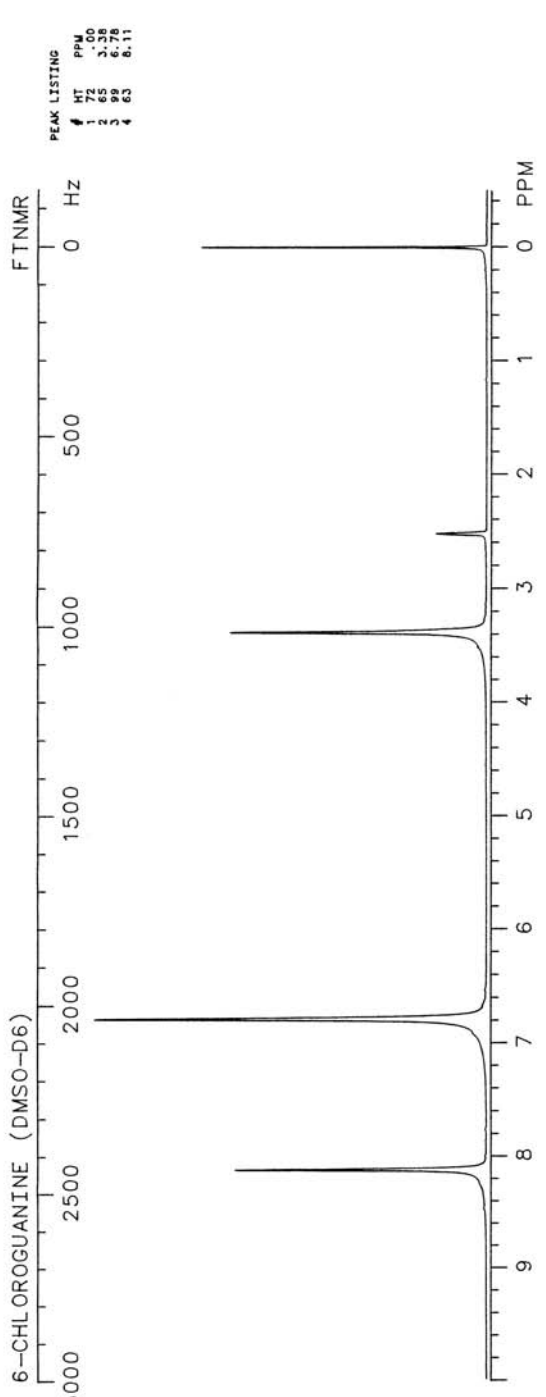
Use: Nucleic acid constituent
HPLC:
GC:

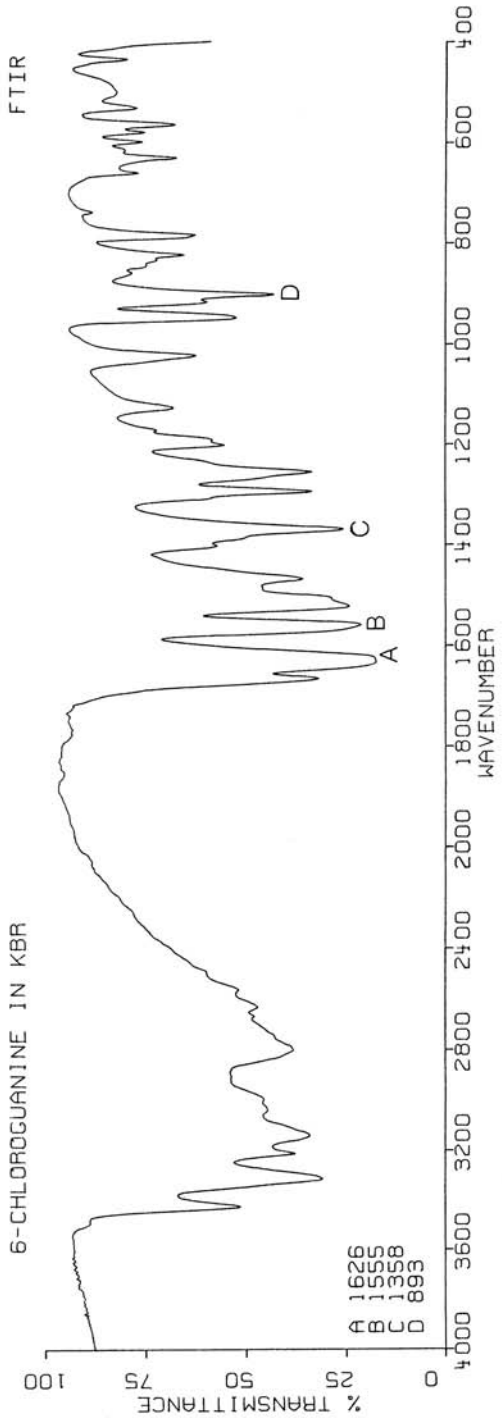




CHLOROGUANINE--DIP




FTNMR
6-CHLOROGUANINE (DMSO-D6)
PEAK LISTING
HT PPM
1 72 .00
2 65 3.38
3 89 6.78
4 63 6.11
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

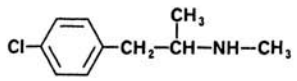

FTIR
6-CHLOROGUANINE IN KBR
A 1626
B 1555
C 1358
D 893
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

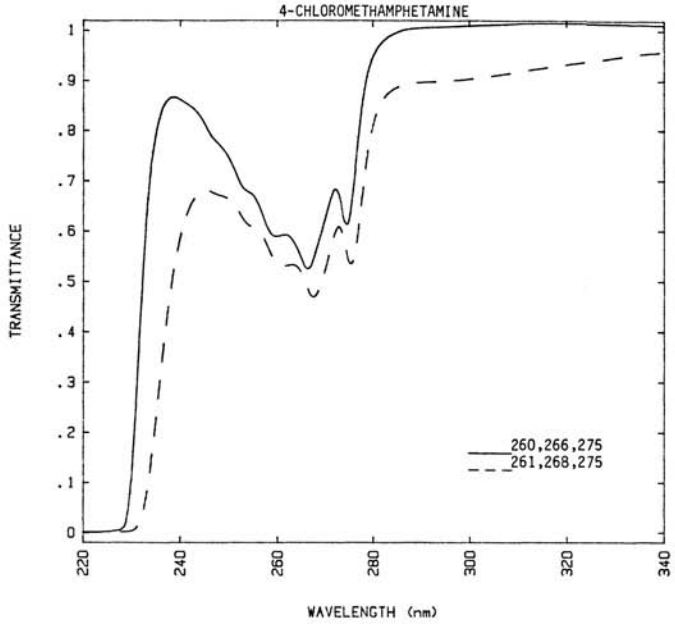
CHLOROMETHAMPHETAMINE

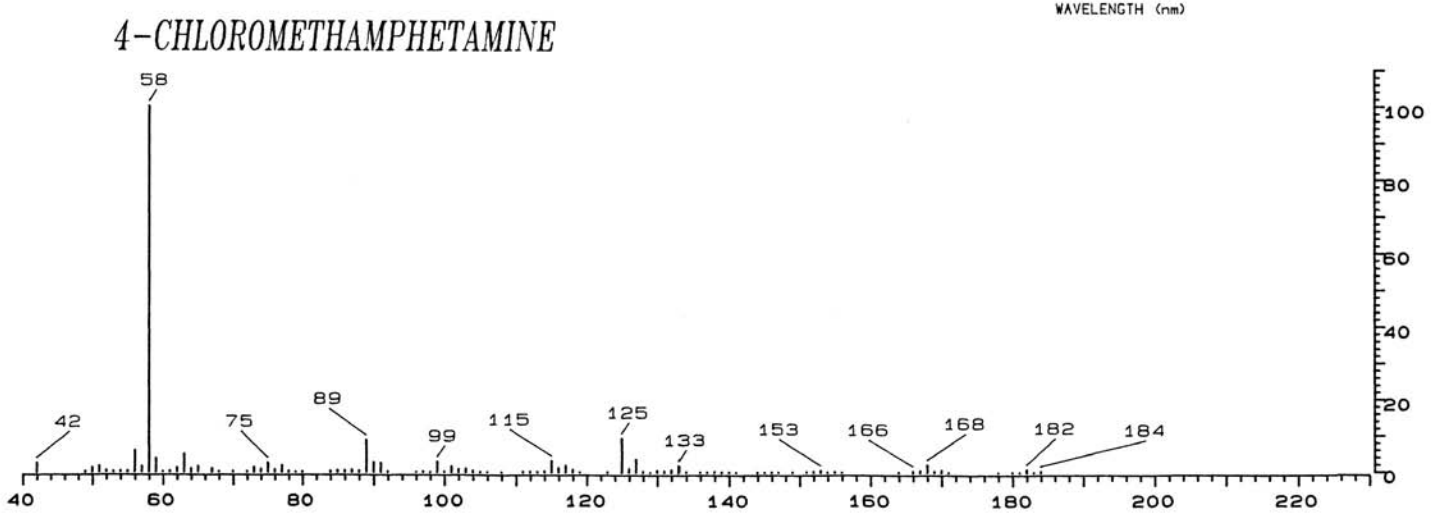
$C_{10}H_{14}ClN$

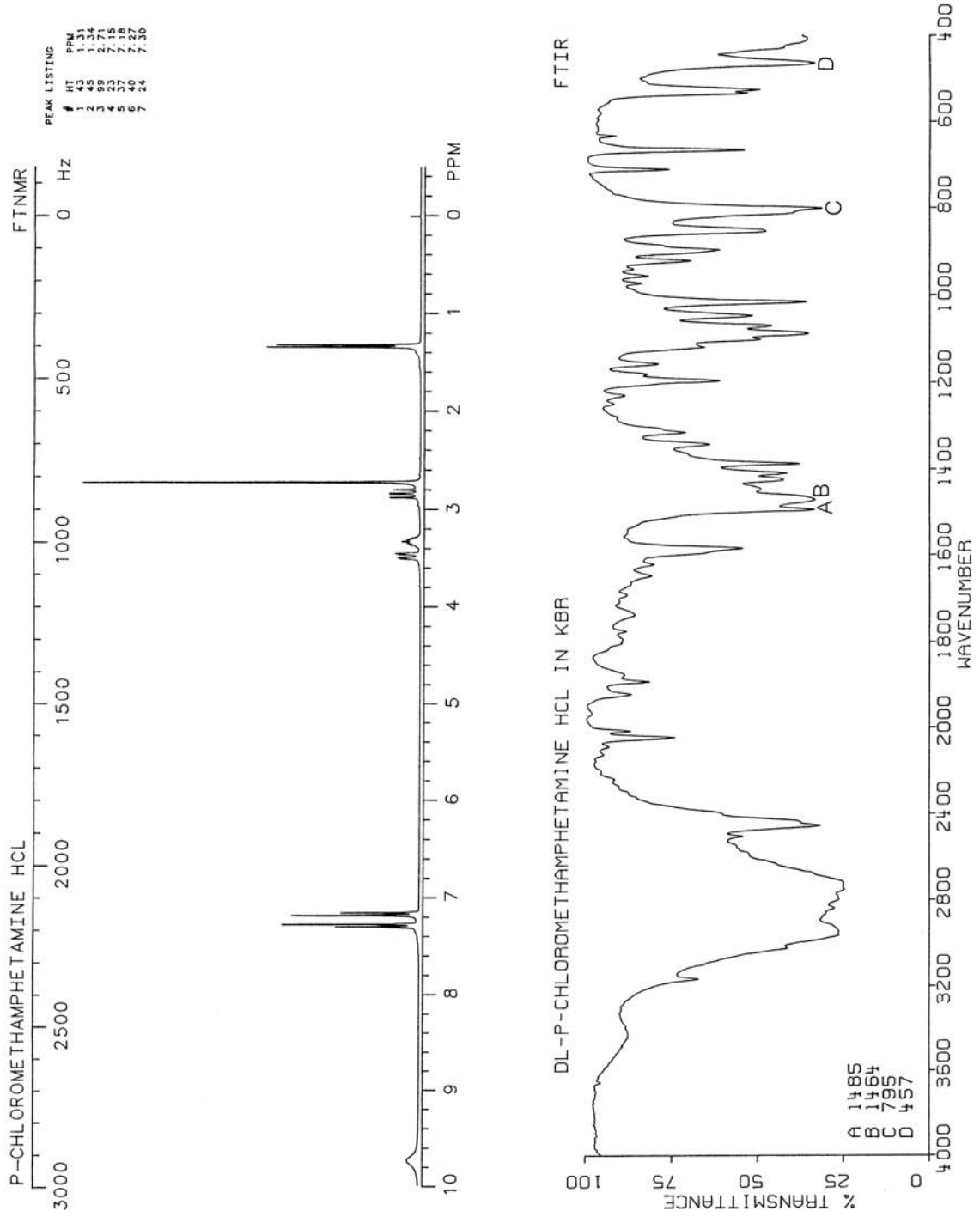
Molecular weight: 183.68 (183.08)
Synonyms: 4-Chloro-N-α-dimethylbenzeneethamine; 4-chloro-d-N,α-dimethylphenethylamine
Trade names:

Use:
HPLC: Si-10; 20A:80B; 4.3
GC:








P-CHLOROMETHAMPHETAMINE HCL
FTNMR
PEAK LISTING
HT PPM
1 43 1.31
2 45 1.34
3 99 2.71
4 33 7.15
5 37 7.18
6 40 7.27
7 24 7.30
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
DL-P-CHLOROMETHAMPHETAMINE HCL IN KBR
FTIR
A 1485
B 1464
C 795
D 457
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D

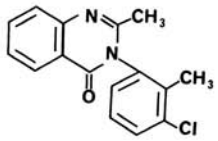
CHLOROMETHAQUALONE

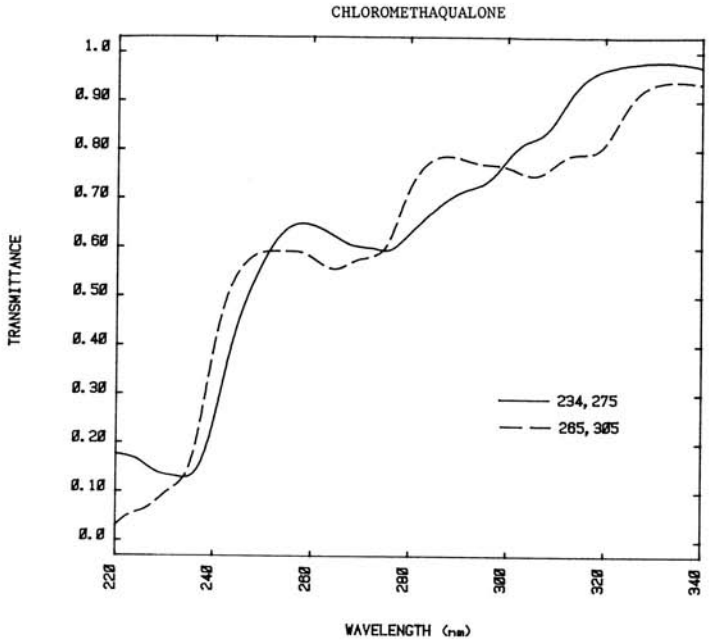
$C_{16}H_{13}ClN_2O$

Molecular weight: 284.75 (284.07)
Synonyms: 3-(3-Chloro-o-tolyl)-2-methyl-4(3H)-quinazolinone

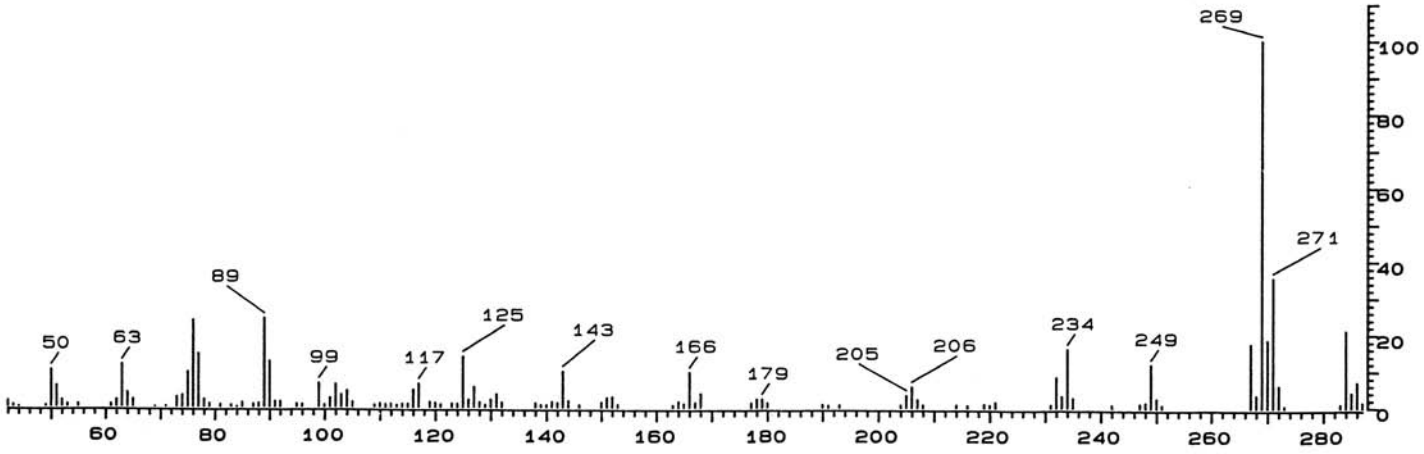
Trade names:

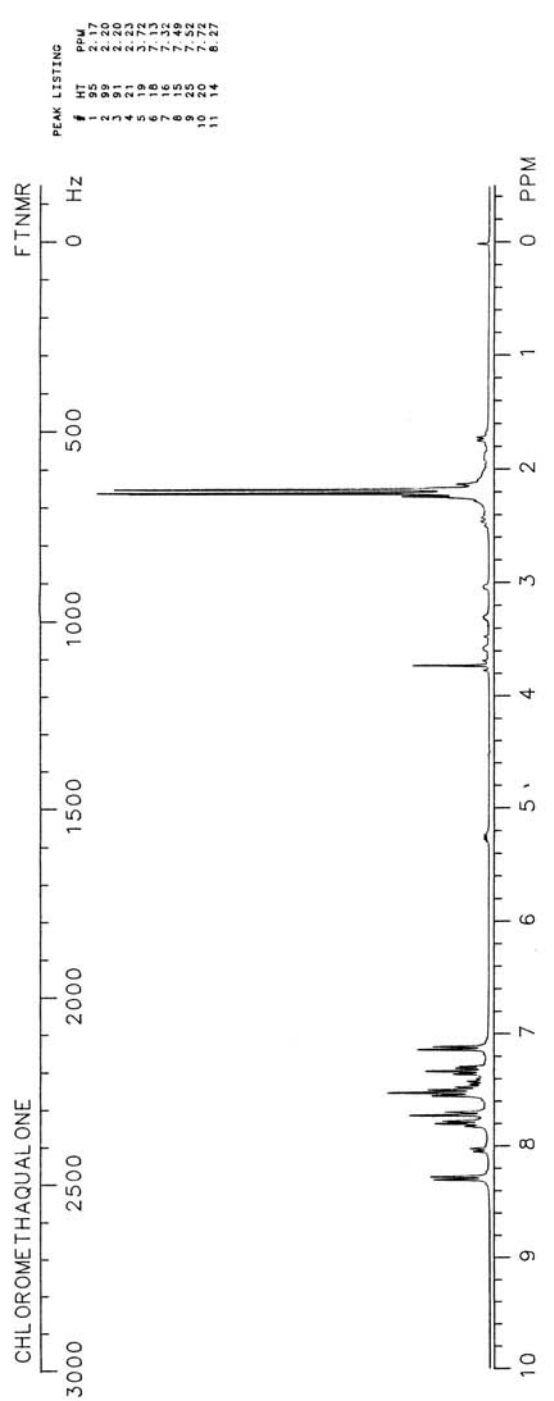
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 3.5
GC: 2395; 250°C

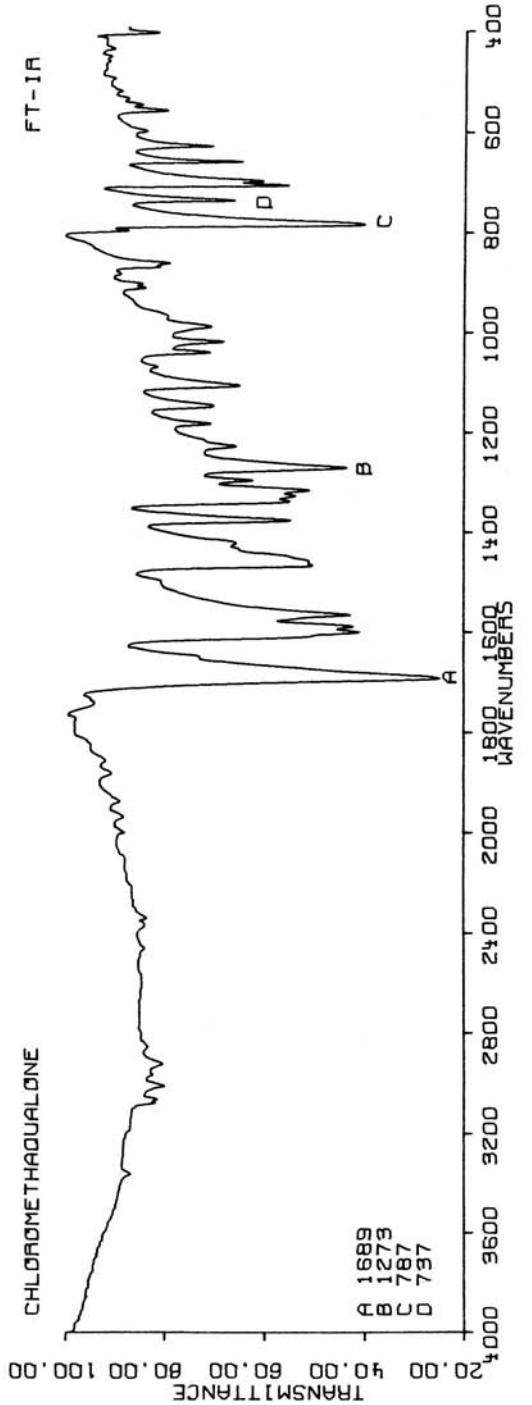




CHLOROMETHAQUALONE




CHLOROMETHAQUALONE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 85 2.17
2 99 2.20
3 91 2.20
4 21 2.23
5 19 3.72
6 18 7.13
7 16 7.32
8 15 7.49
9 25 7.52
10 20 7.72
11 14 8.27


CHLOROMETHAQUALONE
FT-IR
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1689
B 1273
C 787
D 737
A
B
C
D

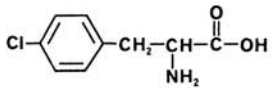
CHLOROPHENYLALANINE

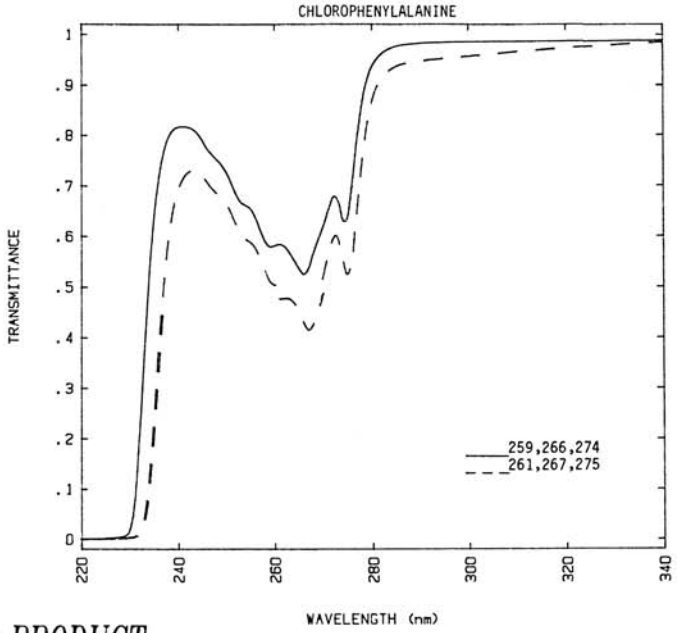
$C_9H_{10}ClNO_2$

Molecular weight: 199.63 (199.04)
Synonyms: Chloro-β -phenylalanine; chloro-α -aminohydrocinnamic acid

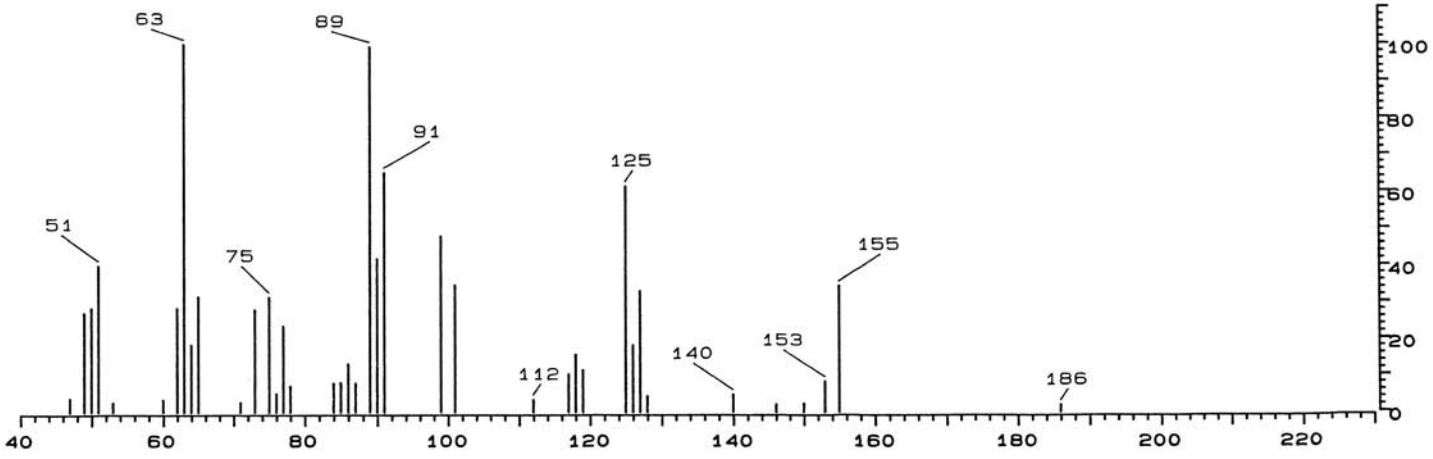
Trade names:

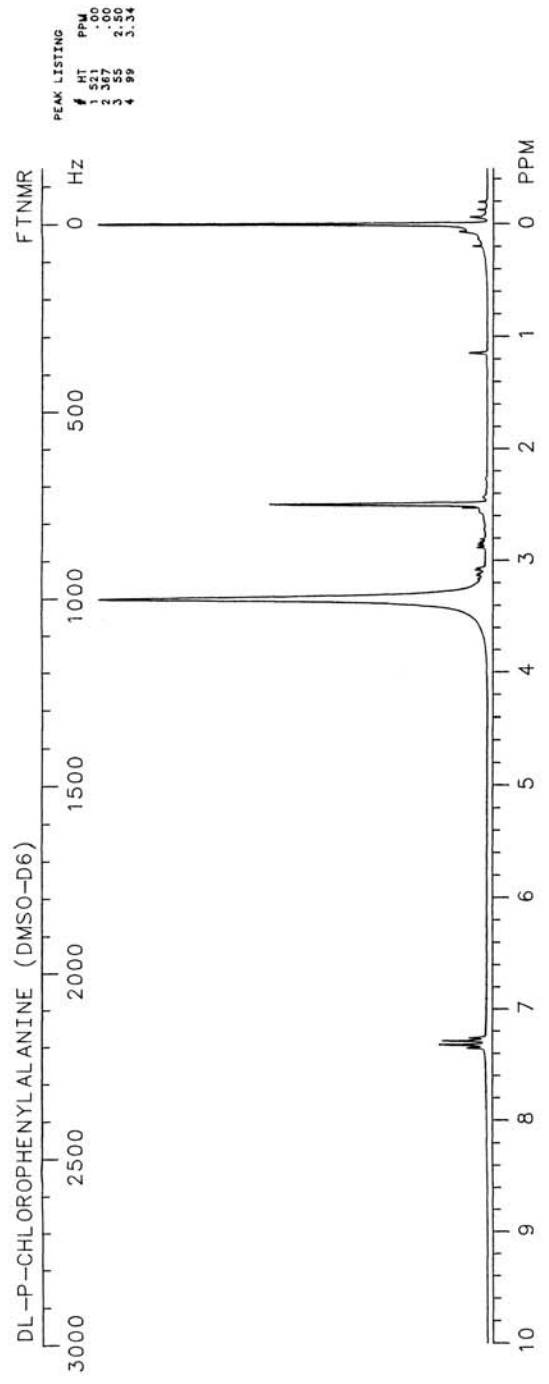
Use: Amino acid
HPLC: Si-10; 20A:80B; 9.3
GC:

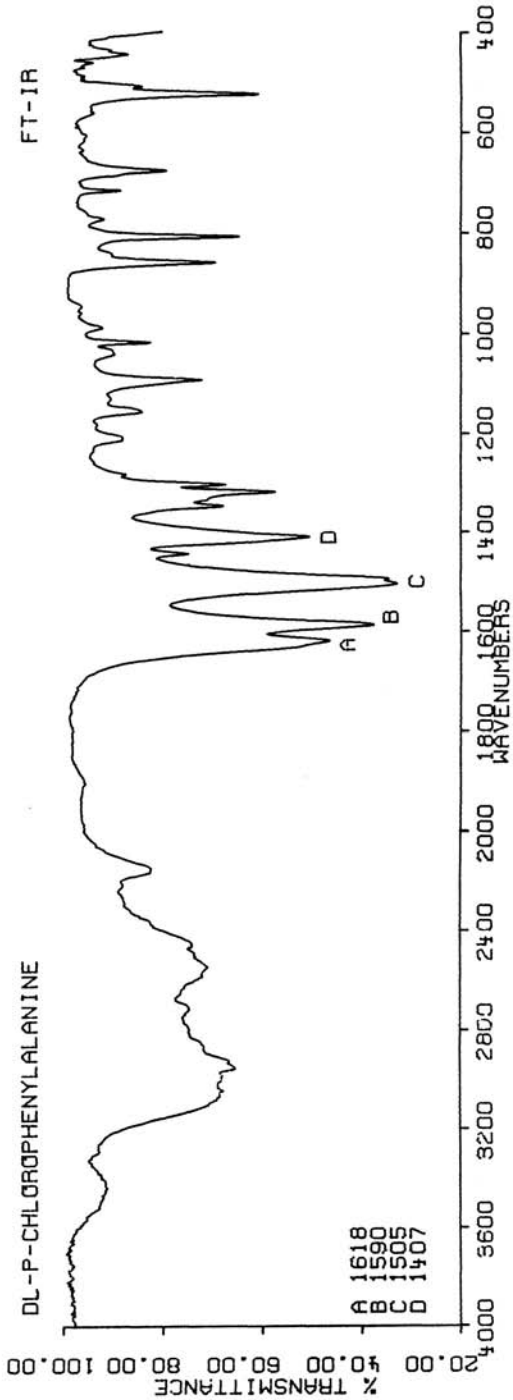




CHLOROPHENYLALANINE--DECOMPOSITION PRODUCT




FTNMR
DL-P-CHLOROPHENYLALANINE (DMSO-D6)
PEAK LISTING
HT PPM
1 521 .00
2 367 2.60
3 355 2.50
4 99 3.34
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

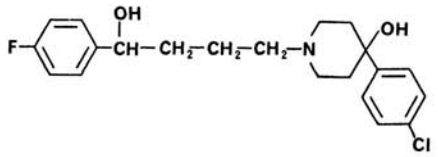

FT-IR
DL-P-CHLOROPHENYLALANINE
A 1618
B 1590
C 1505
D 1407
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

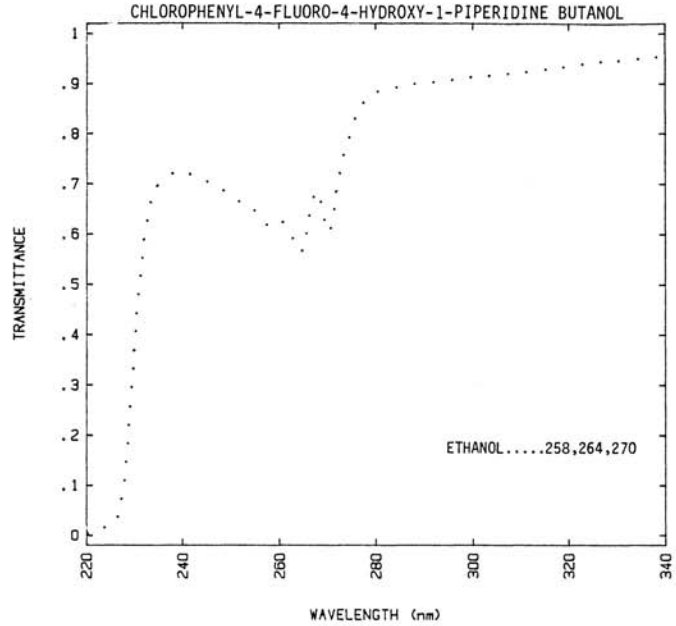
CHLOROPHENYL-4-FLUORO-4-HYDROXY-1-PIPERIDINE BUTANOL

$C_{21}H_{25}ClFNO_2$

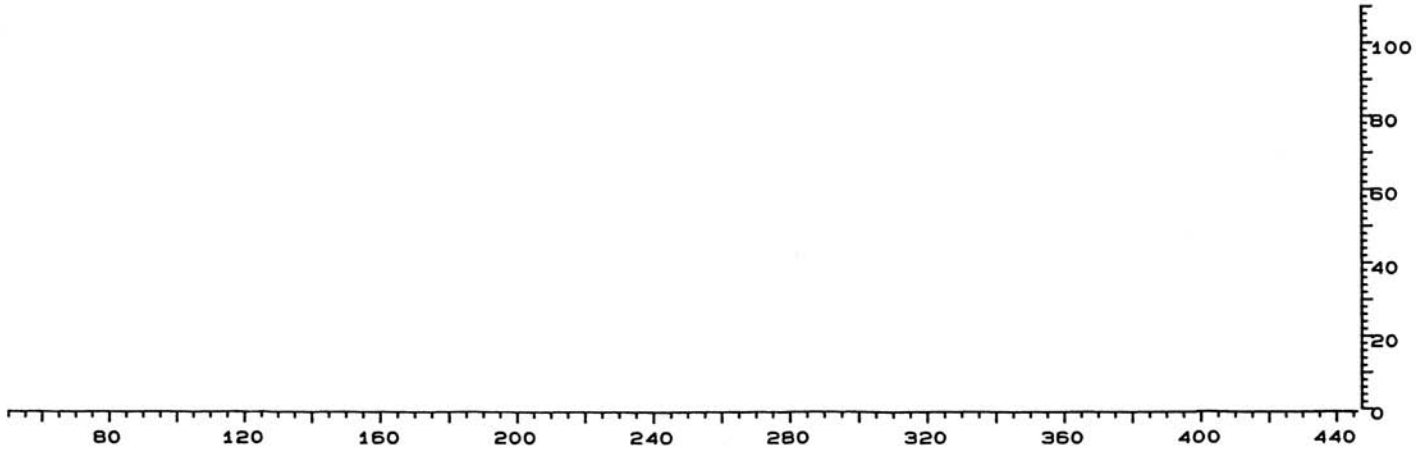
Molecular weight: 377.88 (377.16)
Synonyms: 4-(4-Chlorophenyl)-α-(4-fluorophenyl)-4-hydroxy-1-piperidinebutanol
Trade names:

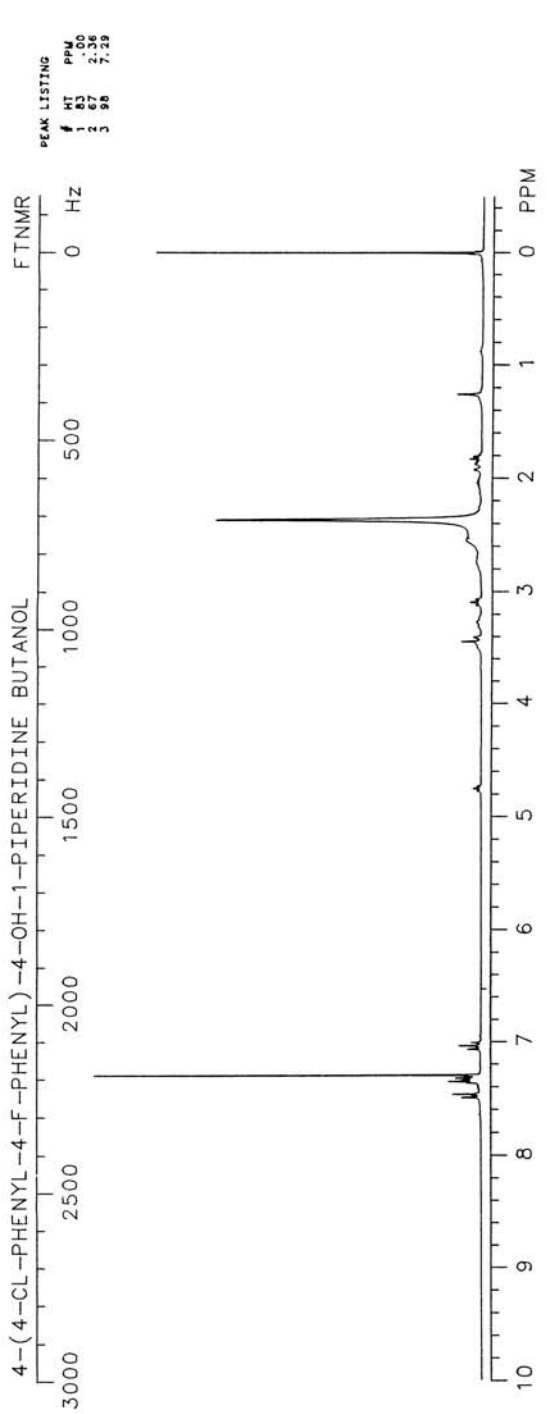
Usc:
HPLC:
GC:

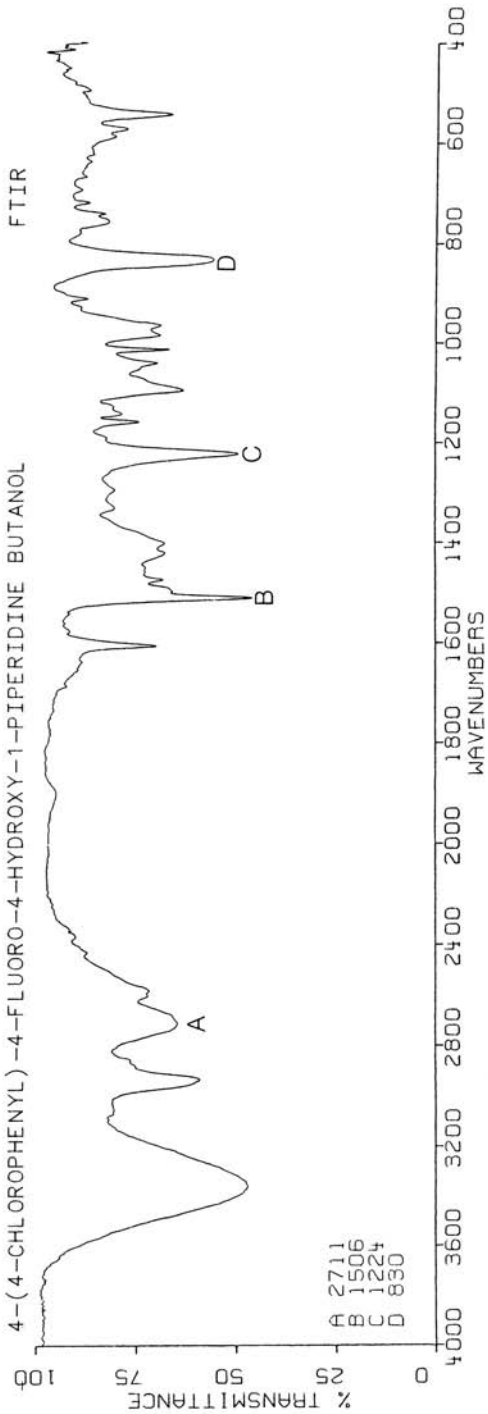




NO USEFUL MASS SPECTRUM WAS OBTAINED




4-(4-CL-PHENYL-4-F-PHENYL)-4-OH-1-PIPERIDINE BUTANOL
FTNMR
PEAK LISTING
HT PPM
1 83 2.00
2 67 2.36
3 98 7.28
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


4-(4-CHLOROPHENYL)-4-FLUORO-4-HYDROXY-1-PIPERIDINE BUTANOL
FTIR
A 2711
B 1506
C 1224
D 830
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

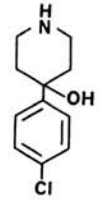
CHLOROPHENYL-4-PIPERIDINOL

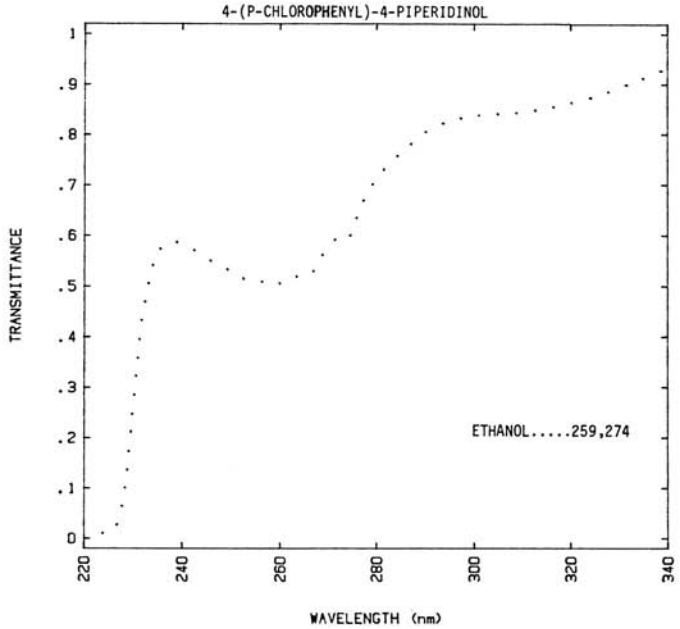
$C_{11}H_{14}ClNO$

Molecular weight: 211.69 (211.07)
Synonyms: 4-(p-Chlorophenyl)-4-piperidinol

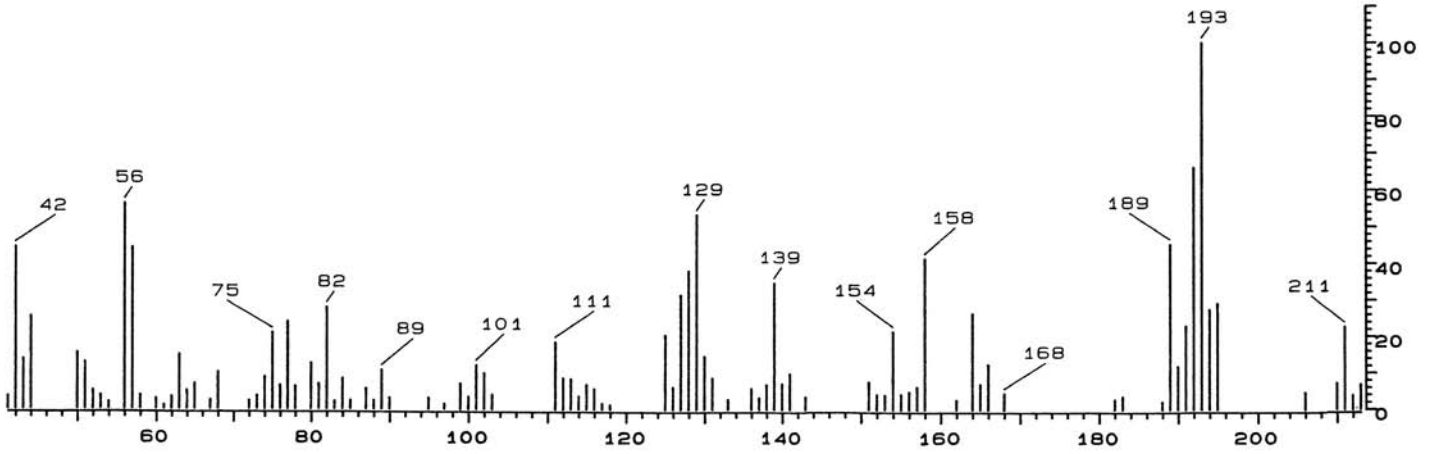
Trade names:

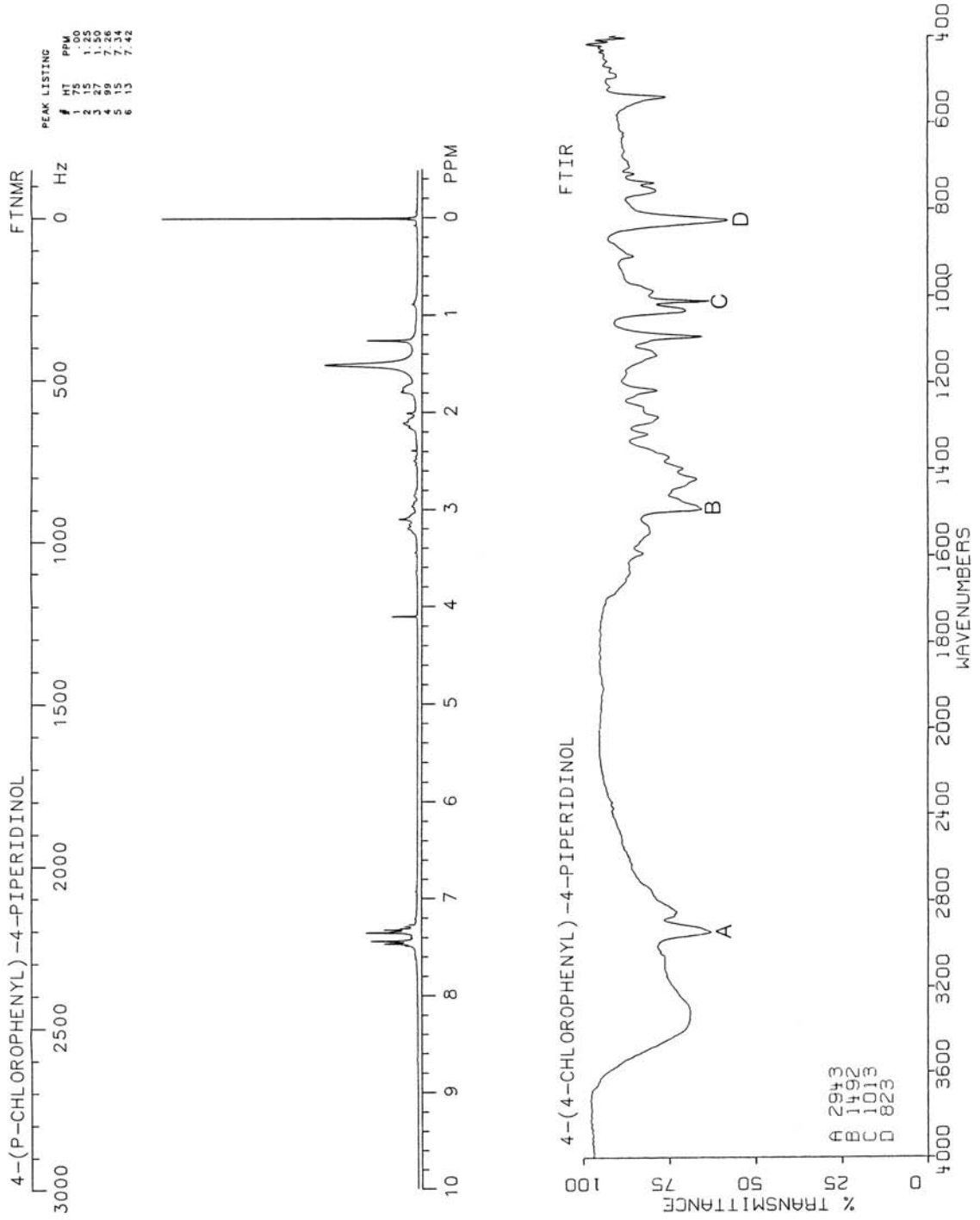
Use:
HPLC:
GC: 2081; 250°C





CHLOROPHENYL-4-PIPERIDINOL




4-(P-CHLOROPHENYL)-4-PIPERIDINOL
FTNMR
PEAK LISTING
HT PPM
1 75 1.00
2 15 1.25
3 27 1.50
4 99 7.26
5 15 7.34
6 13 7.42
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
4-(4-CHLOROPHENYL)-4-PIPERIDINOL
FTIR
A 2943
B 1492
C 1013
D 823
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

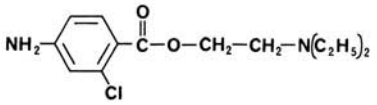
2-CHLOROPROCAINE

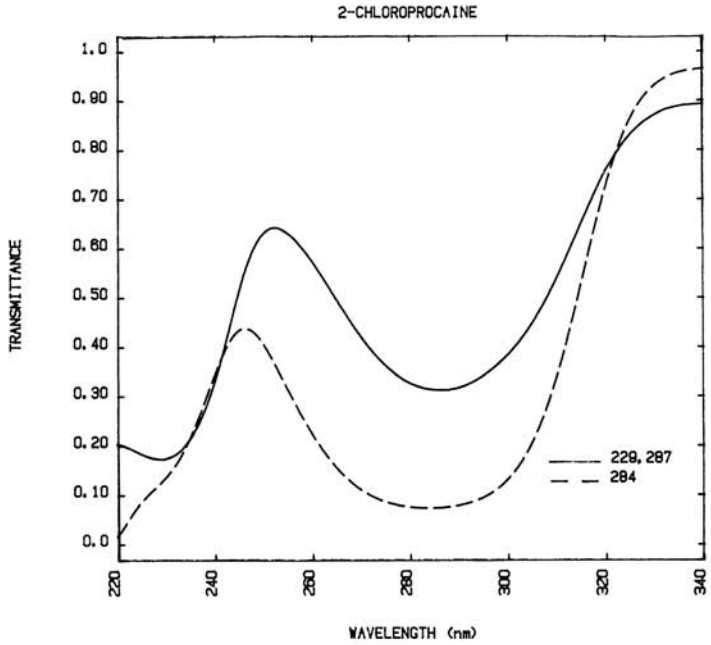
$C_{13}H_{19}ClN_2O_2$

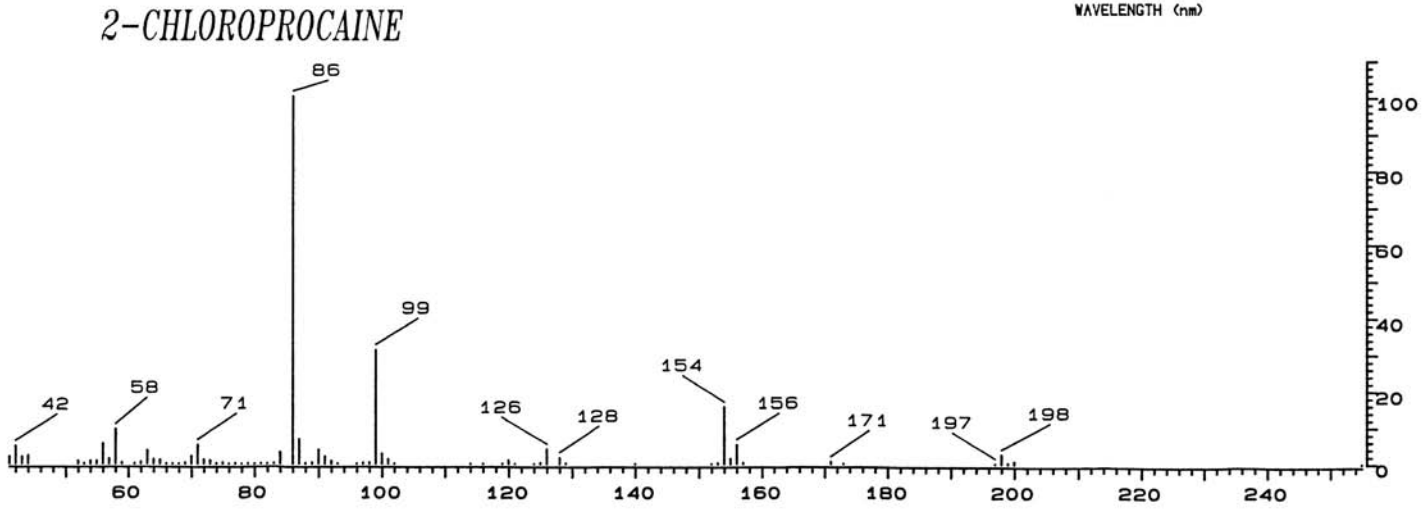
Molecular weight: 270.76 (270.11)
Synonyms: 4-Amino-2-chlorobenzoic acid 2-diethylaminoethyl ester

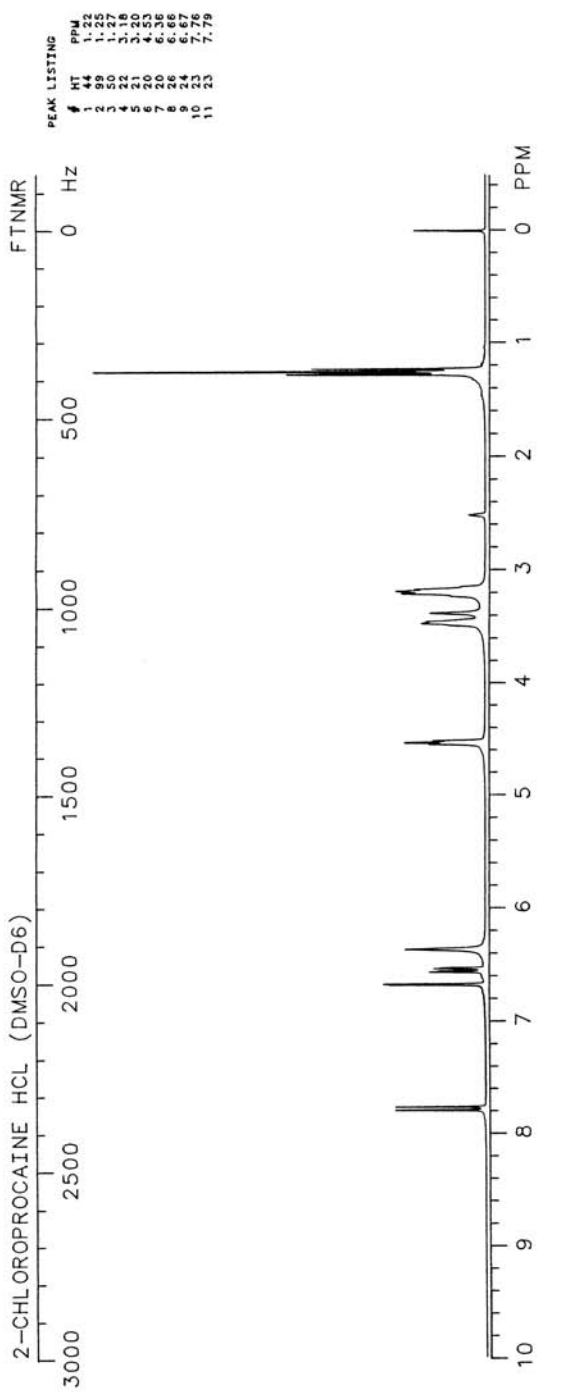
Trade names: Nesacaine

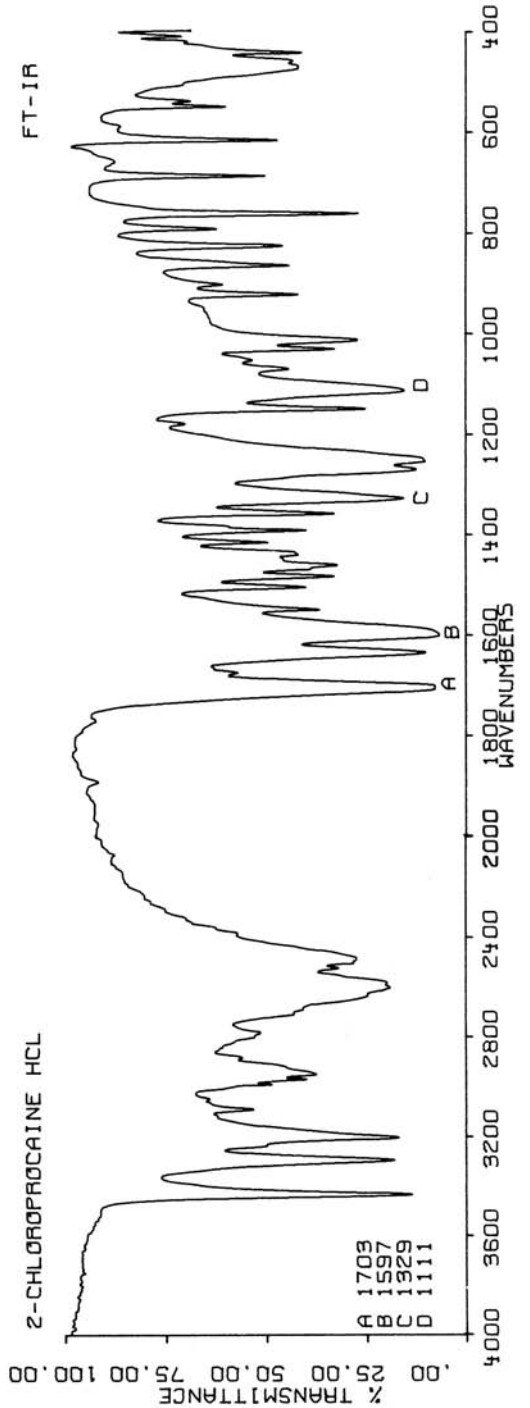
Use: Local anesthetic
HPLC: Si-10; 5A:95B; 4.6
GC: 2250; 250°C








2-CHLOROPROCAINE HCL (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 44 1.22
2 99 1.25
3 50 1.27
4 21 3.16
5 21 3.20
6 20 4.53
7 20 6.36
8 26 6.66
9 24 6.67
10 23 7.76
11 23 7.79

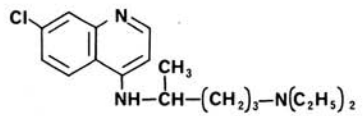

2-CHLOROPROCAINE HCL
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1703
B 1597
C 1329
D 1111
A
B
C
D

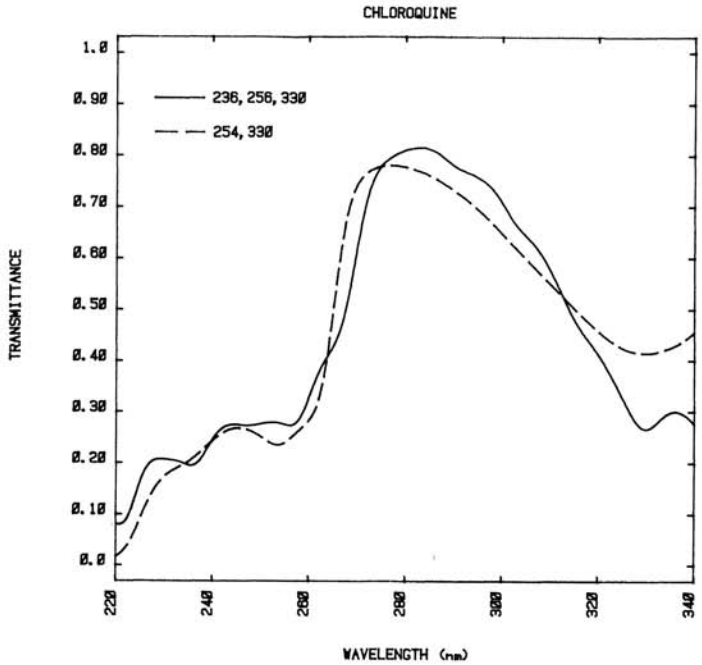
CHLOROQUINE

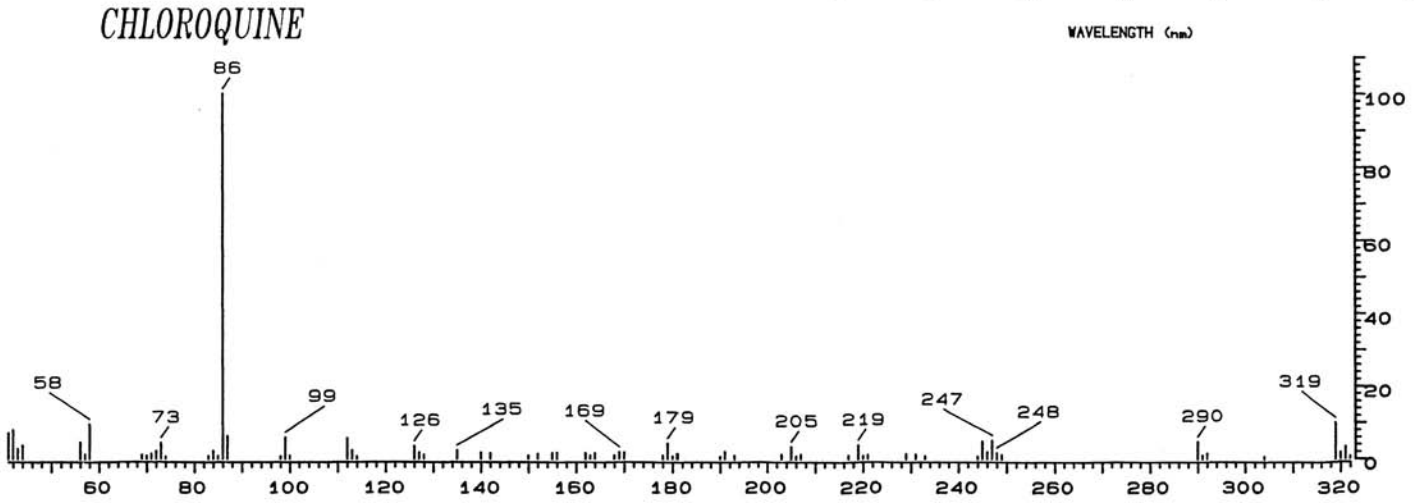
$C_{18}H_{26}ClN_3$

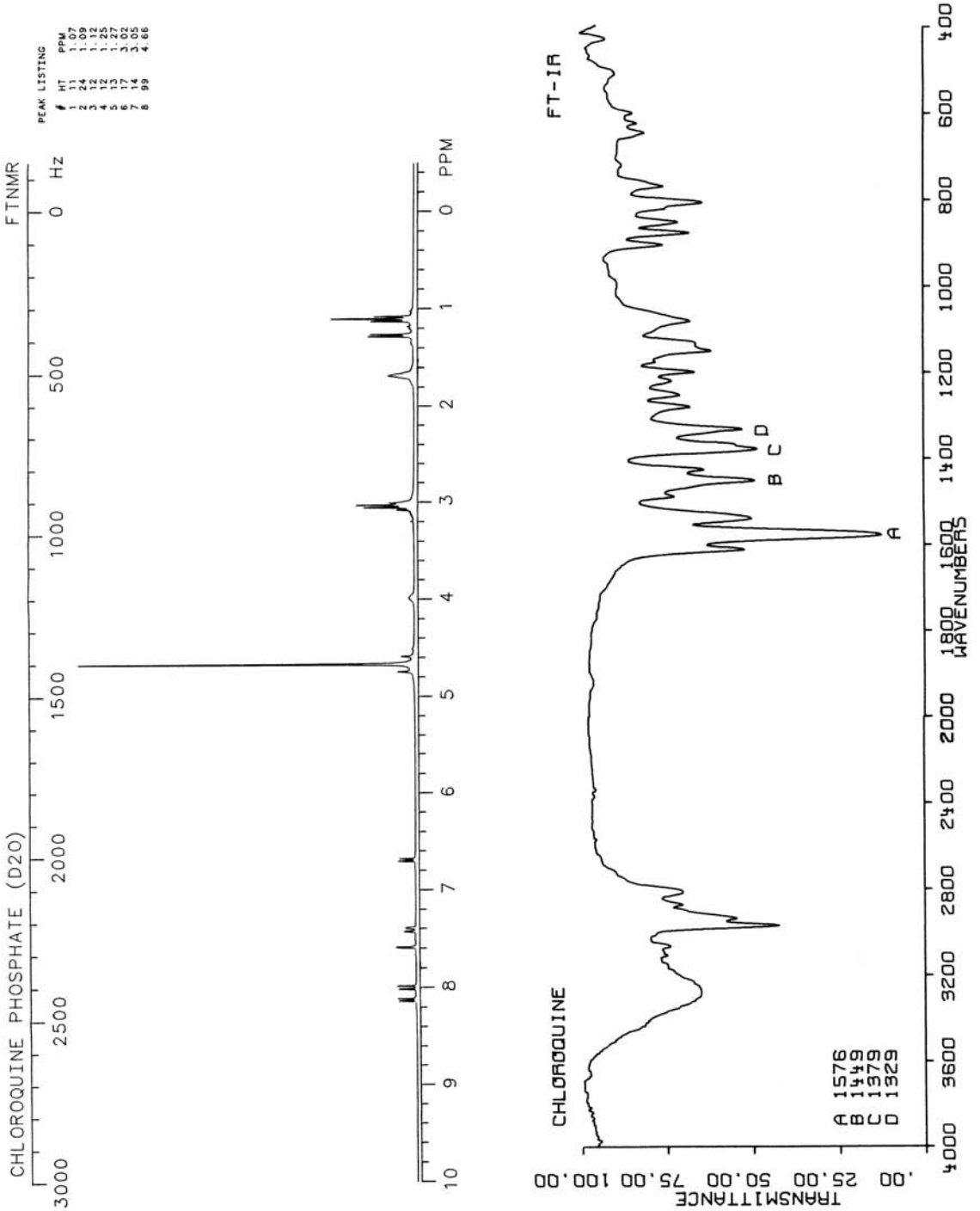
Molecular weight: 319.88 (319.18)
Synonyms: N -(7-Chloro-4-quinoliny1)-N',N'-diethyl-1,4-pentane-diamine; 7-chloro-4-(4-diethylamino-1-methylbutylamino)quinoline
Trade names: Aralen

Use: Antimalarial
HPLC: Si-10; 20A:80B; 8.0
GC: 2656; 250°C







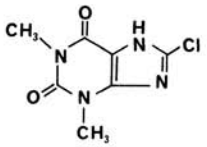

CHLOROQUINE PHOSPHATE (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 11 1.07
2 24 1.09
3 12 1.12
4 12 1.25
5 13 1.27
6 17 3.02
7 14 3.05
8 99 4.66
10 9 8 7 6 5 4 3 2 1 0 PPM
CHLOROQUINE
FT-IR
A 1576
B 1449
C 1379
D 1329
A
B C D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

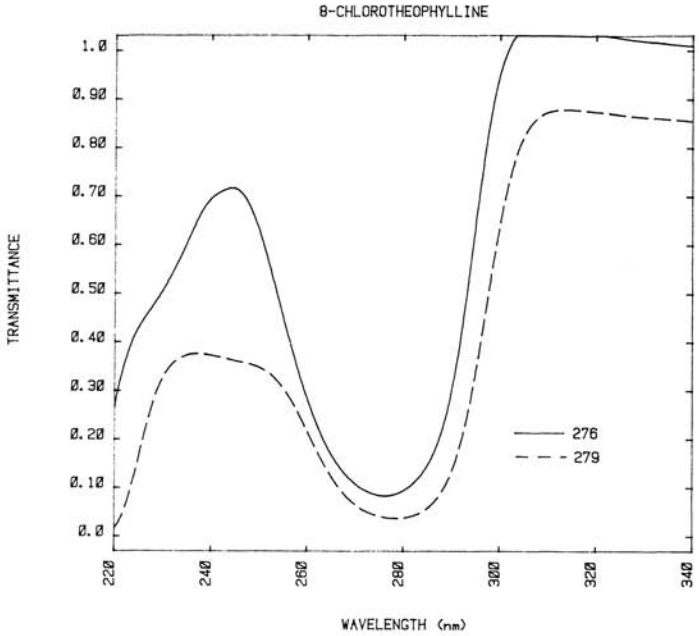
8-CHLOROTHEOPHYLLINE

$C_7H_7ClN_4O_2$

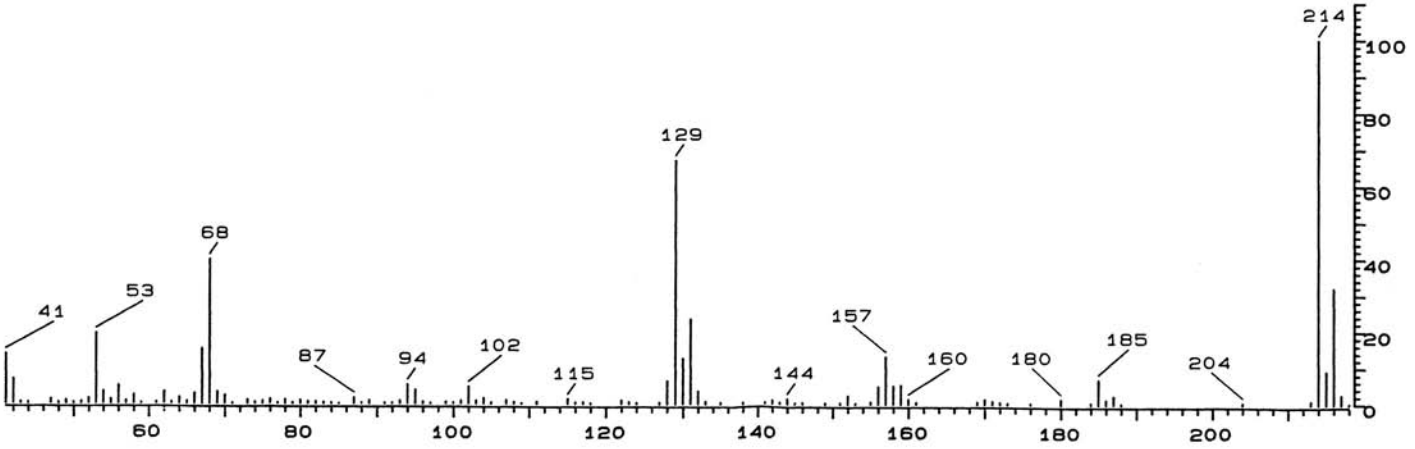
Molecular weight: 214.61 (214.03)
Synonyms: 8-Chloro-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione; theoclate
Trade names:

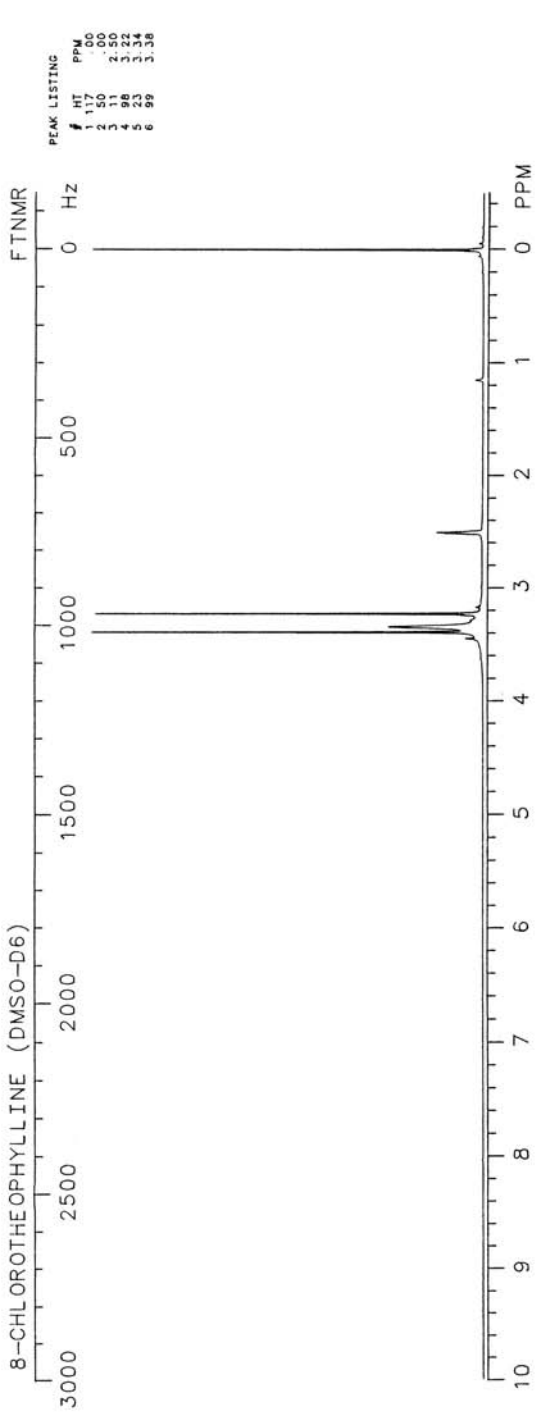
Use:
HPLC: Si-10; 5A:95B; 5.0
GC: 2069; 250°C

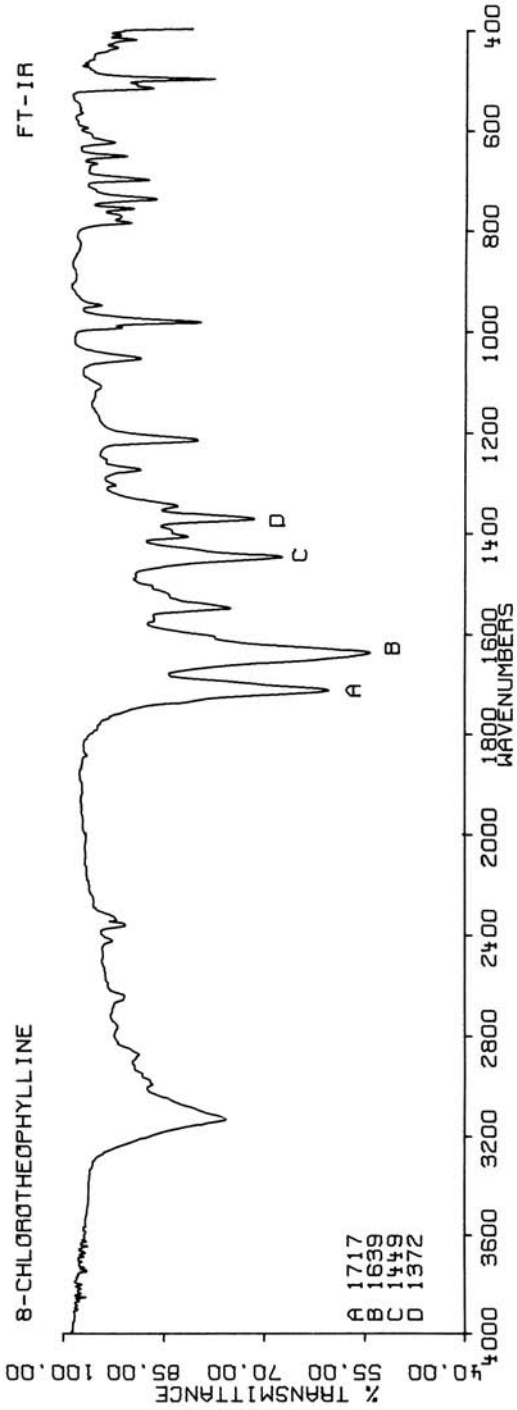




8-CHLOROTHEOPHYLLINE




8-CHLOROTHEOPHYLLINE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 117 .00
2 50 .00
3 11 2.50
4 98 3.22
5 23 3.34
6 99 3.38
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

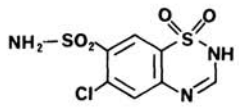

8-CHLØRØTHEØPHYLLINE
FT-IR
A 1717
B 1639
C 1449
D 1372
A
B
C
D
% TRANSMITTANCE
0.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

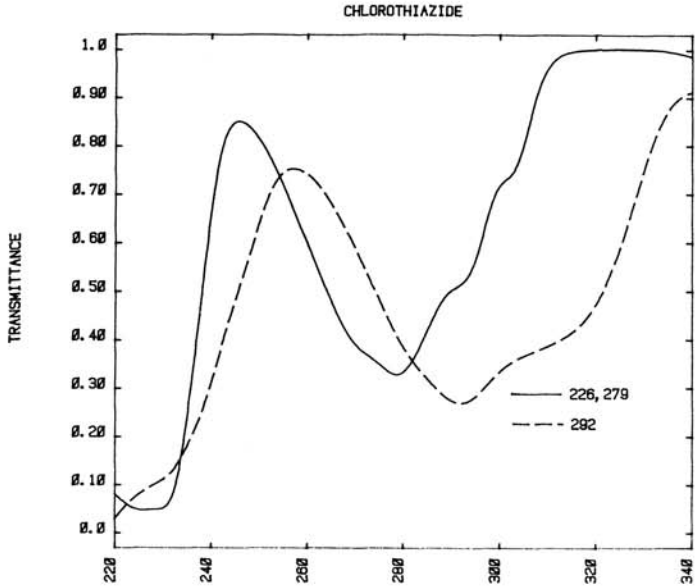
CHLOROTHIAZIDE

$C_7H_6ClN_3O_4S_2$

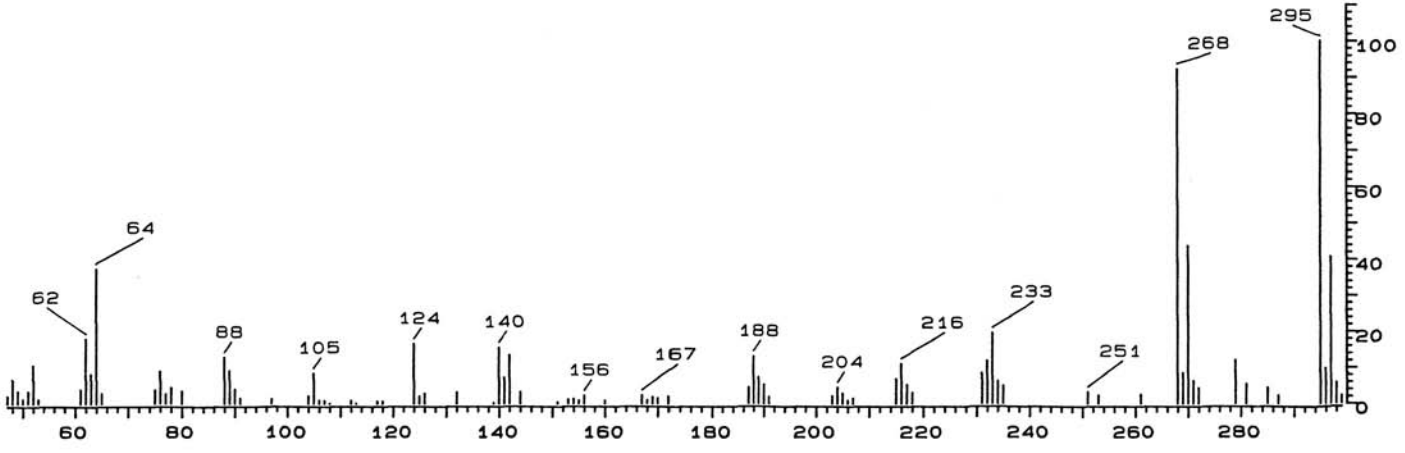
Molecular weight: 295.72 (294.95)
Synonyms: 6-Chloro-2H-1,2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide
Trade names: Diuril, Diupres

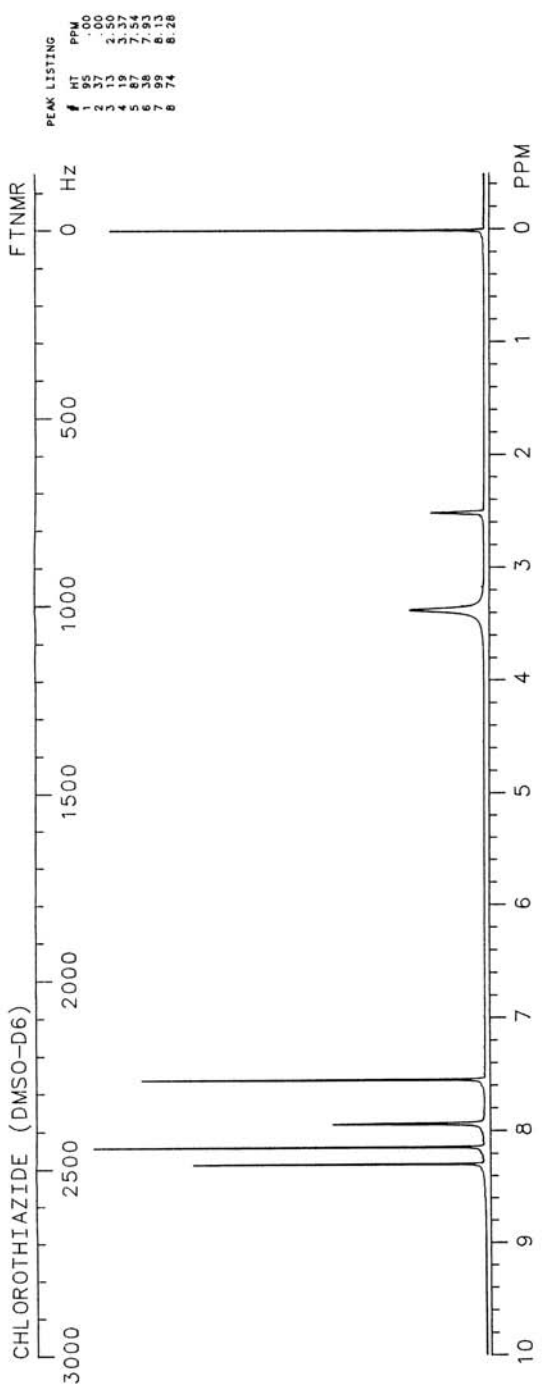
Use: Diuretic
HPLC: Si-10; 5A:95B; 6.0
GC:

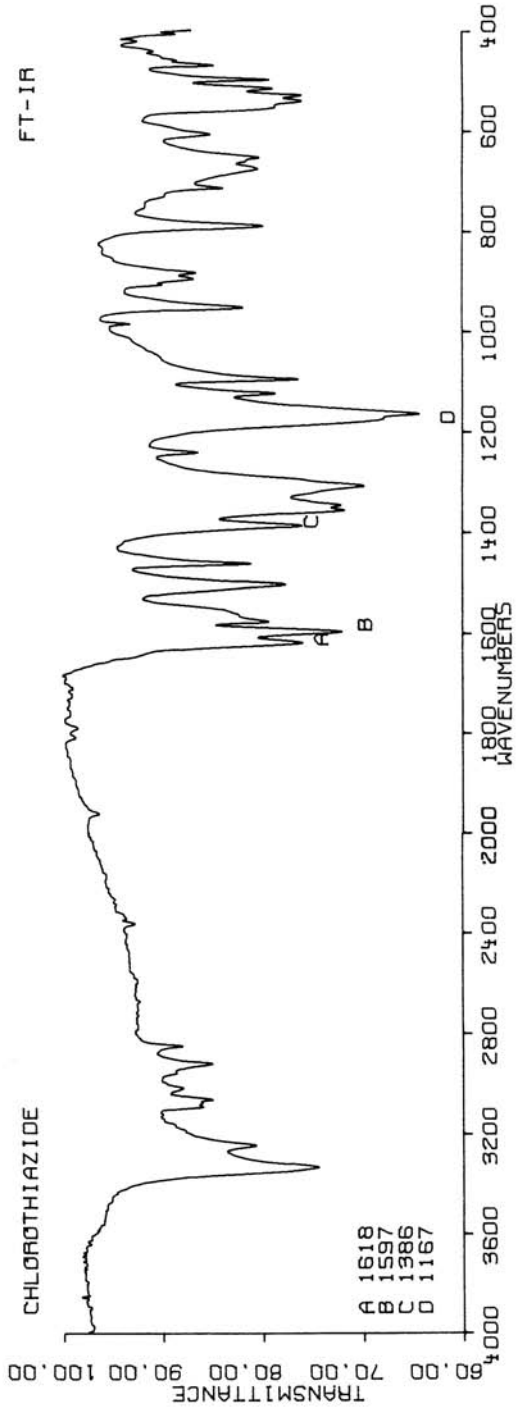




CHLOROTHIAZIDE




CHLOROTHIAZIDE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 95 .00
2 37 .00
3 13 2.50
4 19 3.37
5 87 7.54
6 38 7.83
7 99 8.13
8 74 8.28

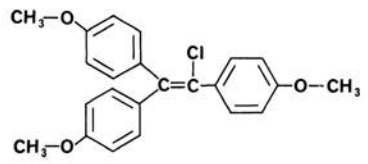

CHLOROTHIAZIDE
FT-IR
TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1618
B 1597
C 1386
D 1167
A
B
C
D

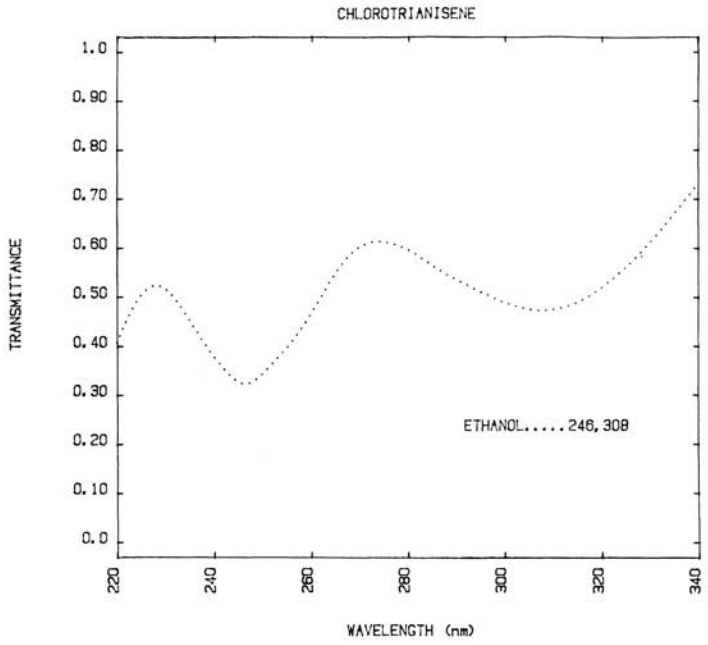
CHLOROTRIANISENE

$C_{23}H_{21}ClO_3$

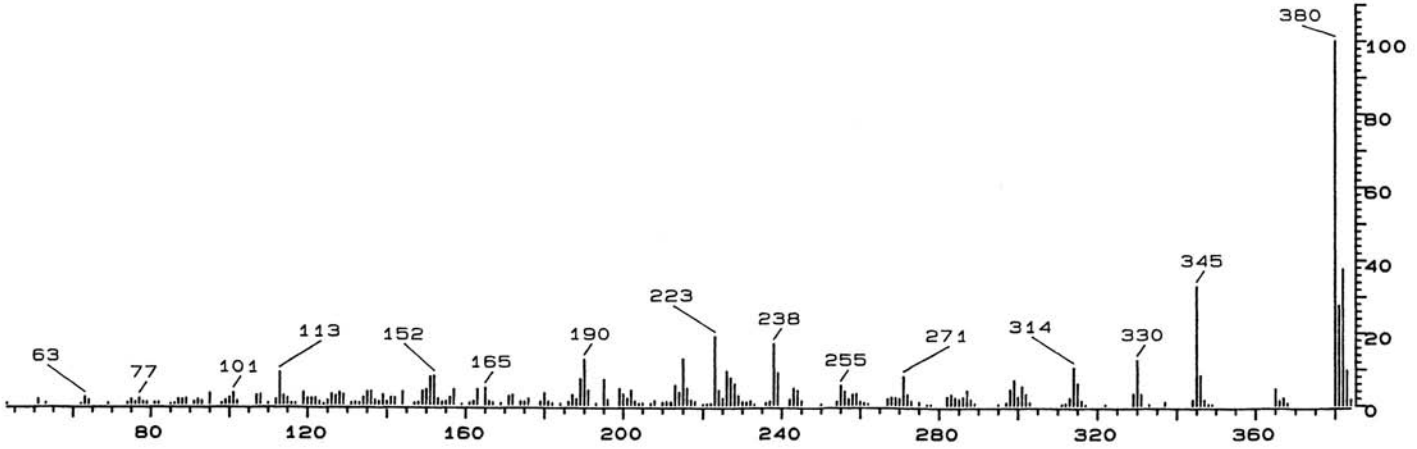
Molecular weight: 380.87 (380.12)
Synonyms: 1,1',1''-(1-Chloro-1-ethenyl-2-ylidene)tris(4-methoxybenzene); chlorotris(p-methoxyphenyl)ethylene
Trade names: TACE

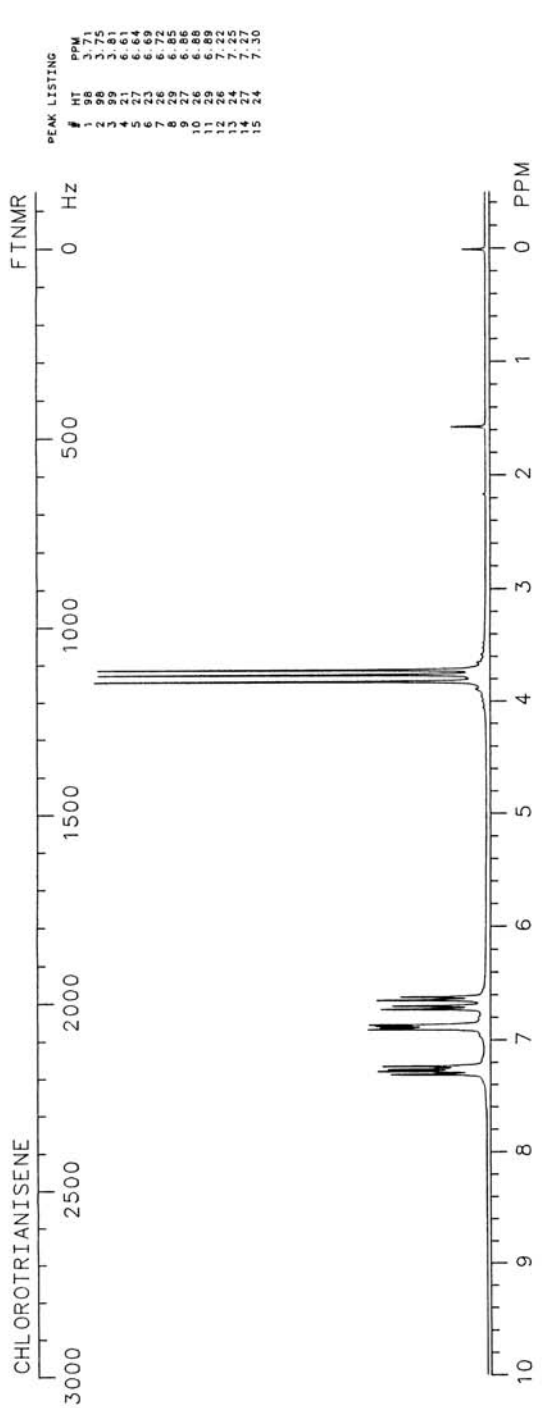
Use: Estrogen
HPLC:
GC: 2950; 280°C

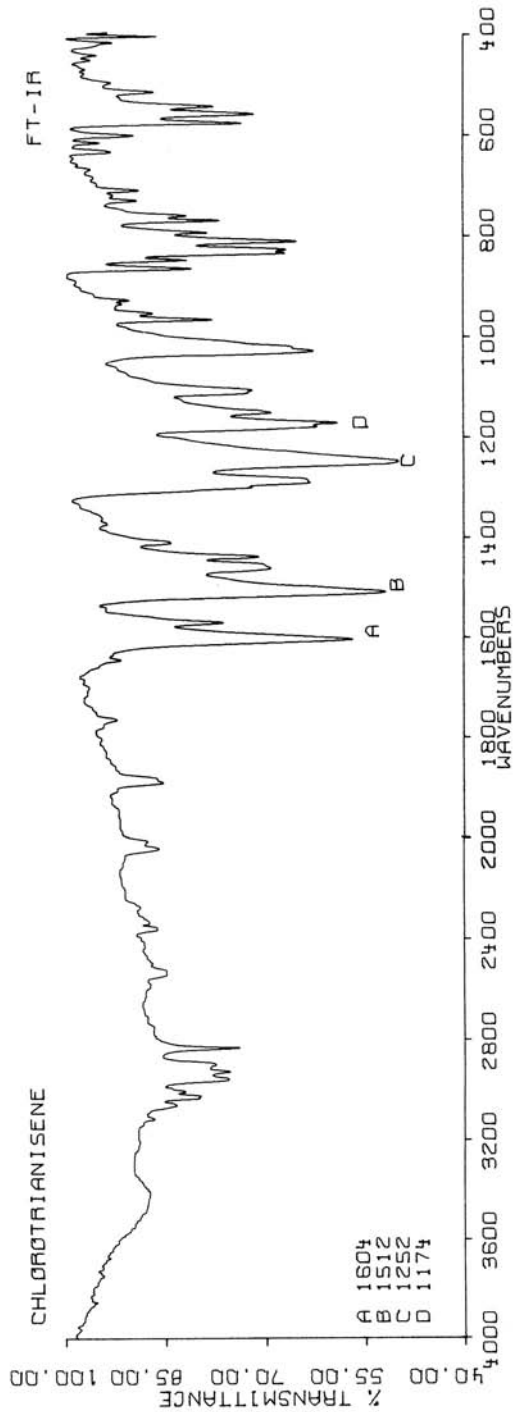




CHLOROTRIANISENE




FTNMR
CHLOROTRIANISENE
PEAK LISTING
HT PPM
1 98 3.71
2 98 3.75
3 99 3.81
4 21 6.61
5 27 6.64
6 23 6.69
7 26 6.72
8 29 6.85
9 27 6.86
10 26 6.88
11 29 6.89
12 26 7.22
13 24 7.25
14 27 7.27
15 24 7.30
Hz
PPM

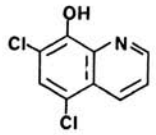

FT-IR
CHLOROTRIANISENE
A 1604
B 1512
C 1252
D 1174
% TRANSMITTANCE
WAVENUMBERS

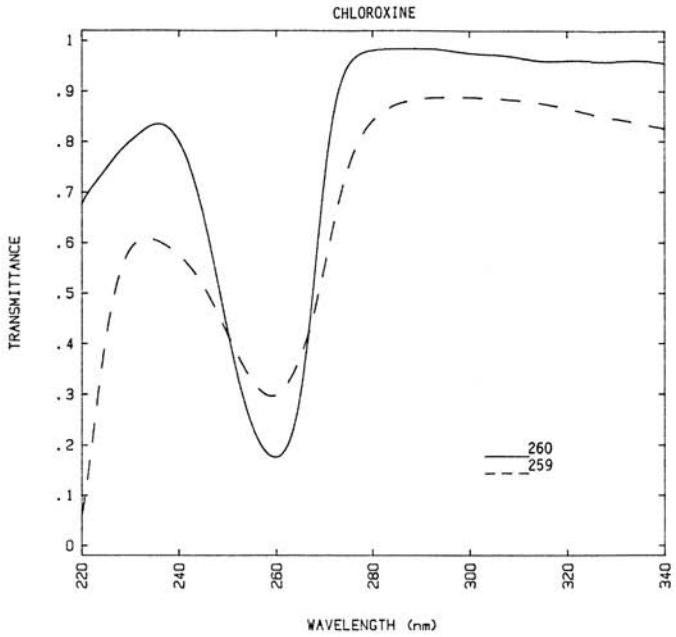
CHLOROXINE

$C_9H_5Cl_2NO$

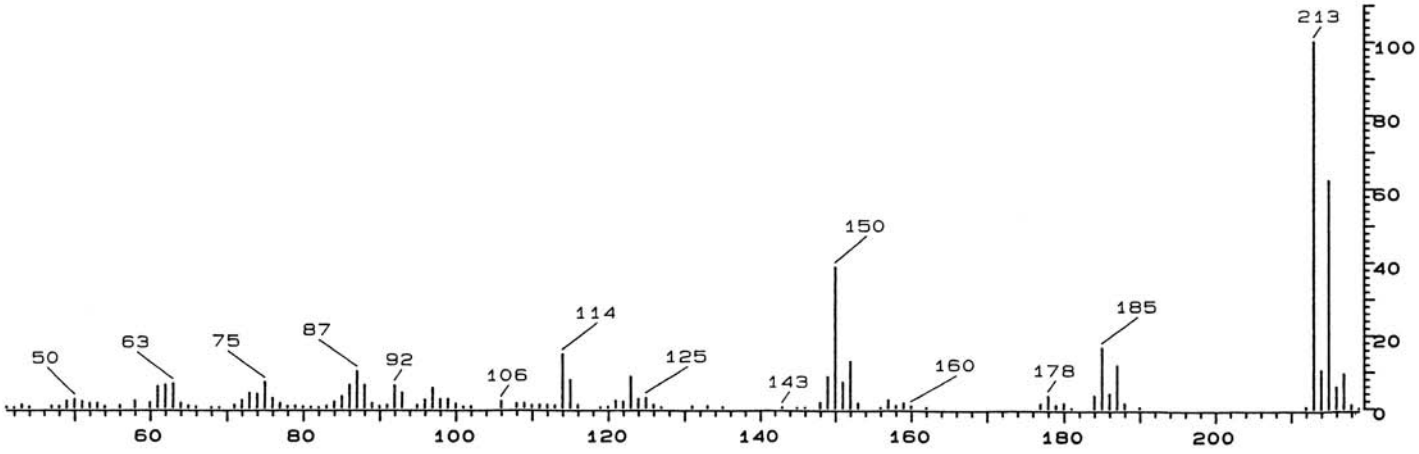
Molecular weight: 214.06 (212.98)
Synonyms: 5,7-Dichloro-8-quinolinol; 5,7-dichloro-8-hydroxyquinoline
Trade names: Capitrol

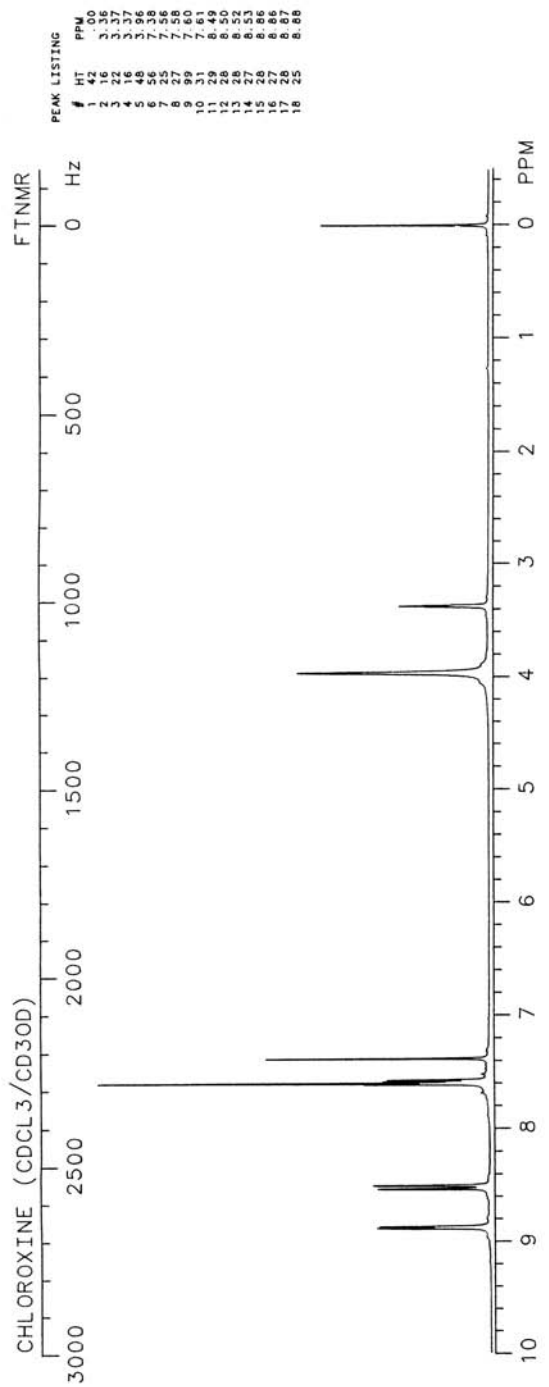
Use: Antidiarrheal
HPLC:
GC: 1749; 200°C

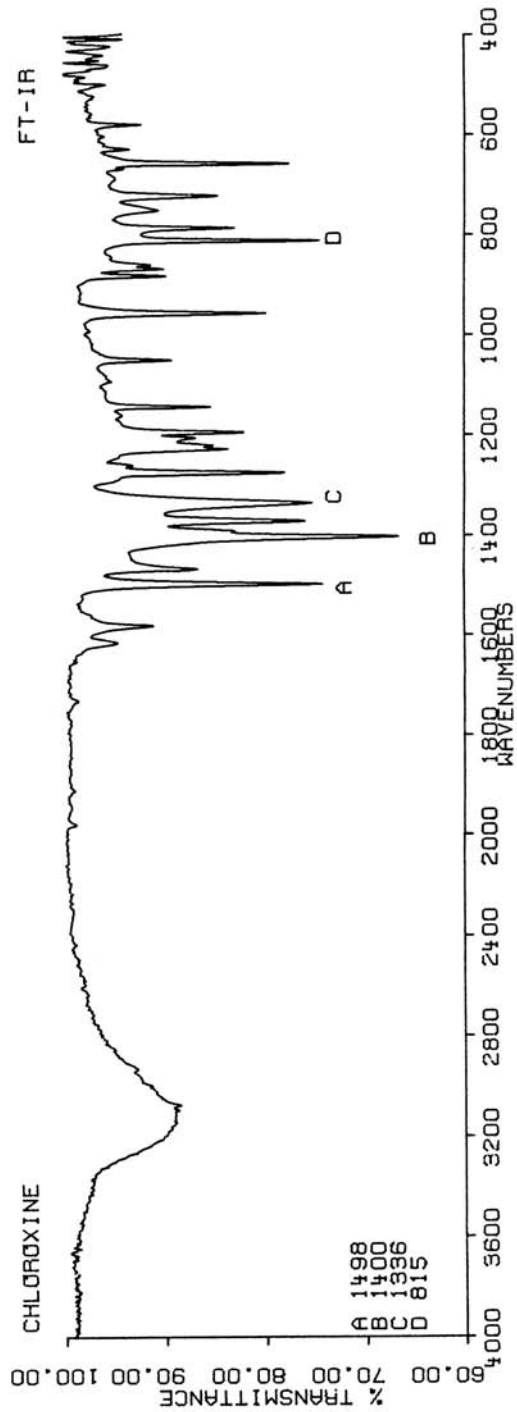




CHLOROXINE




CHLOROXINE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 42 7.00
2 16 3.36
3 22 3.37
4 16 3.37
5 48 3.96
6 56 7.38
7 25 7.56
8 27 7.58
9 99 7.60
10 31 7.61
11 29 8.49
12 28 8.50
13 28 8.52
14 27 8.53
15 27 8.86
16 27 8.86
17 28 8.87
18 25 8.88
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

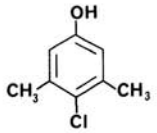

FT-IR
CHLOROXINE
A 1498
B 1400
C 1336
D 815
A
B
C
D
% TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

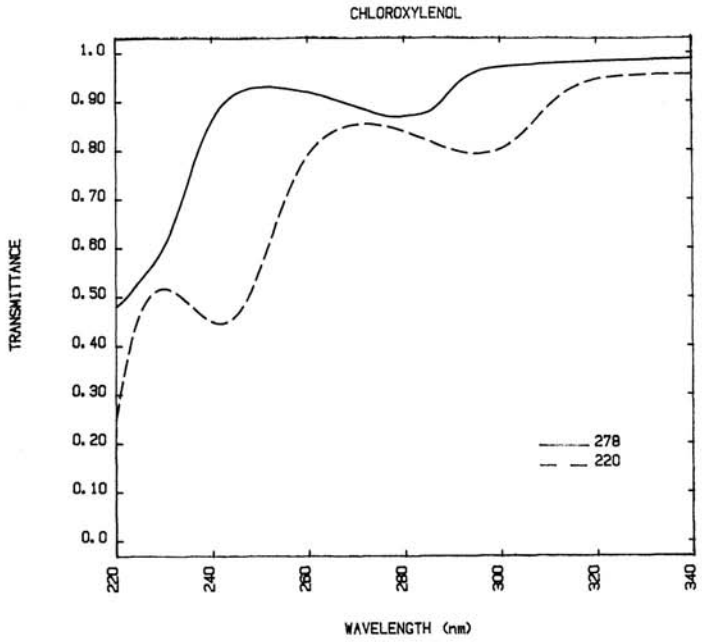
CHLOROXYLENOL

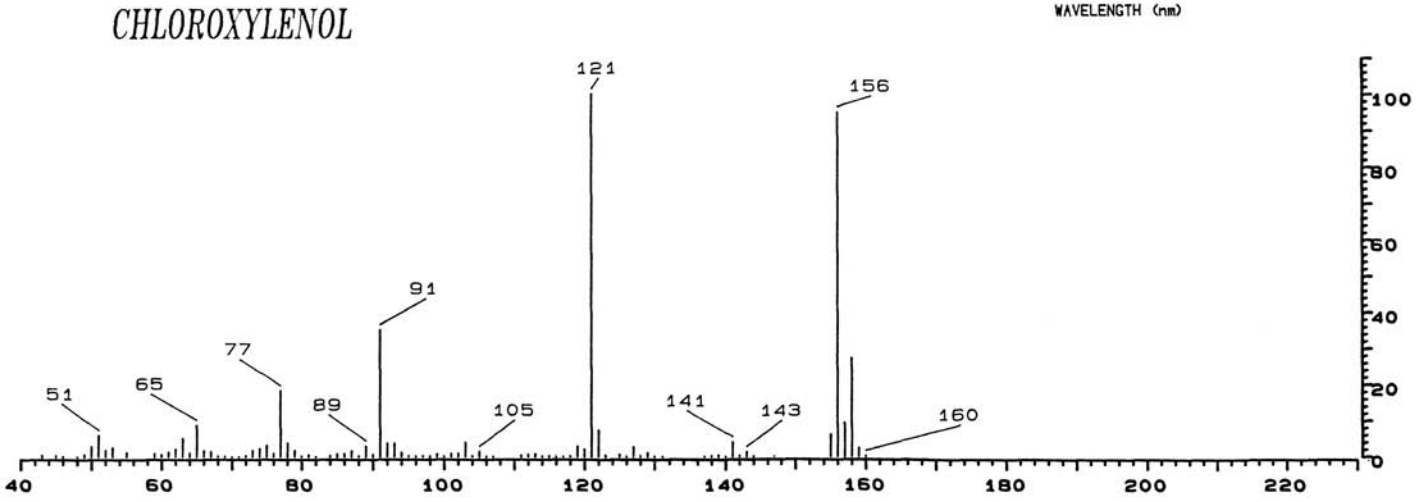
C_8H_9ClO

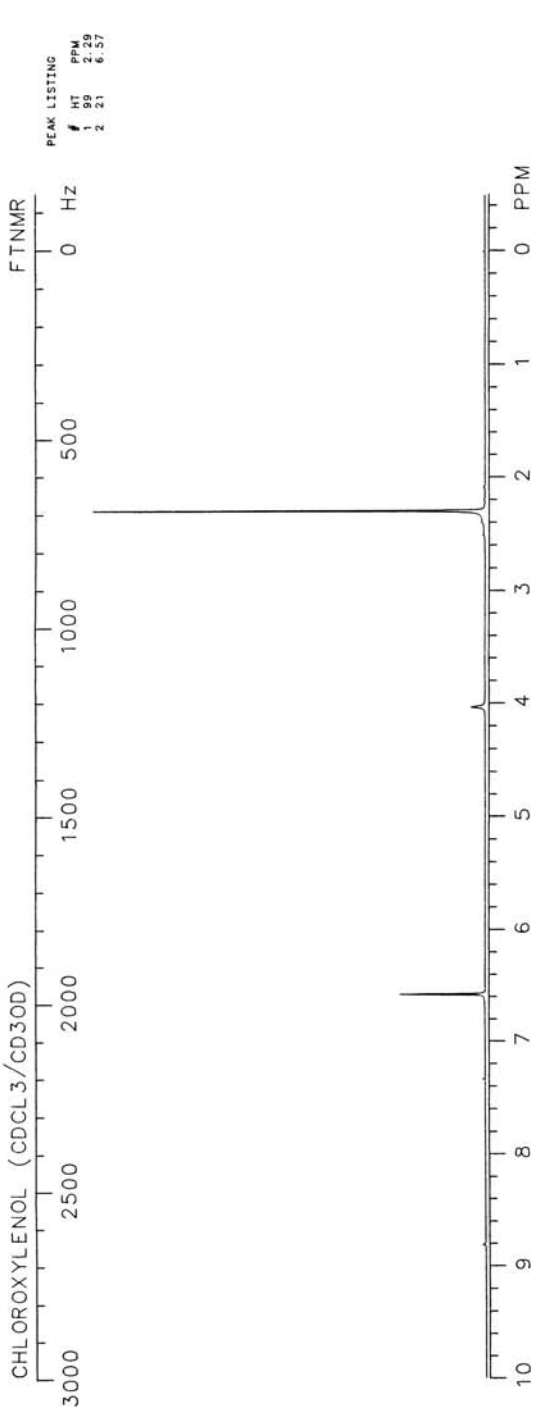
Molecular weight: 156.61 (156.03)
Synonyms: 4-Chloro-3,5-dimethylphenol; p-chloro-m-xylenol; parachlorometaxylenol
Trade names: Fungoid, Lobana, Micro-Guard

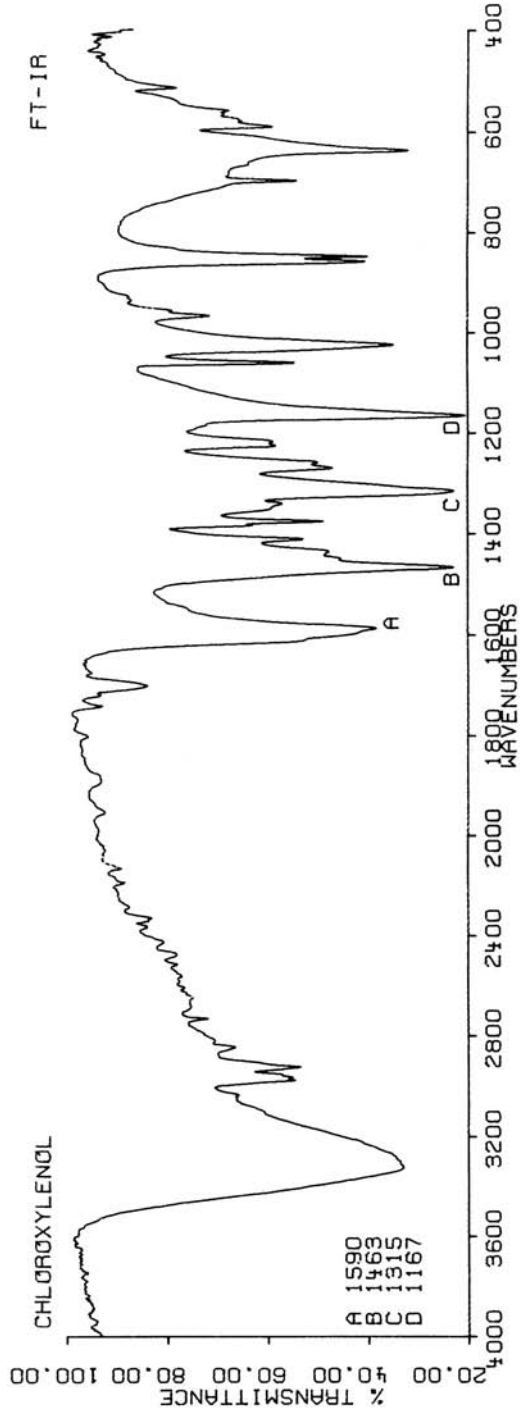
Use: Topical antiseptic
HPLC: Si-10; 100B; 6.0
GC: 1370; 140°C








FTNMR
CHLOROXYLENOL (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 99 2.29
2 21 6.57
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CHLOROXYLENOL
A 1590
B 1463
C 1315
D 1167
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

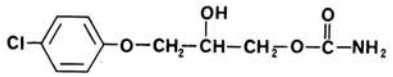
CHLORPHENESIN CARBAMATE

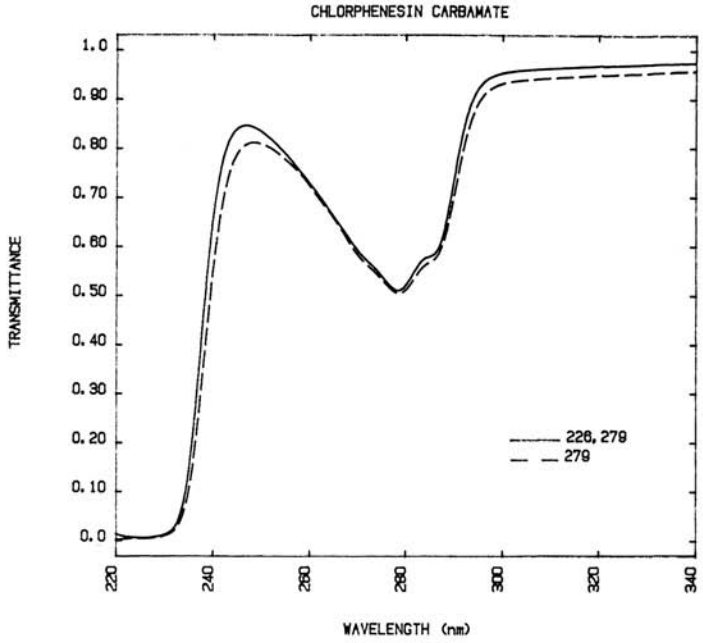
$C_{10}H_{12}ClNO_4$

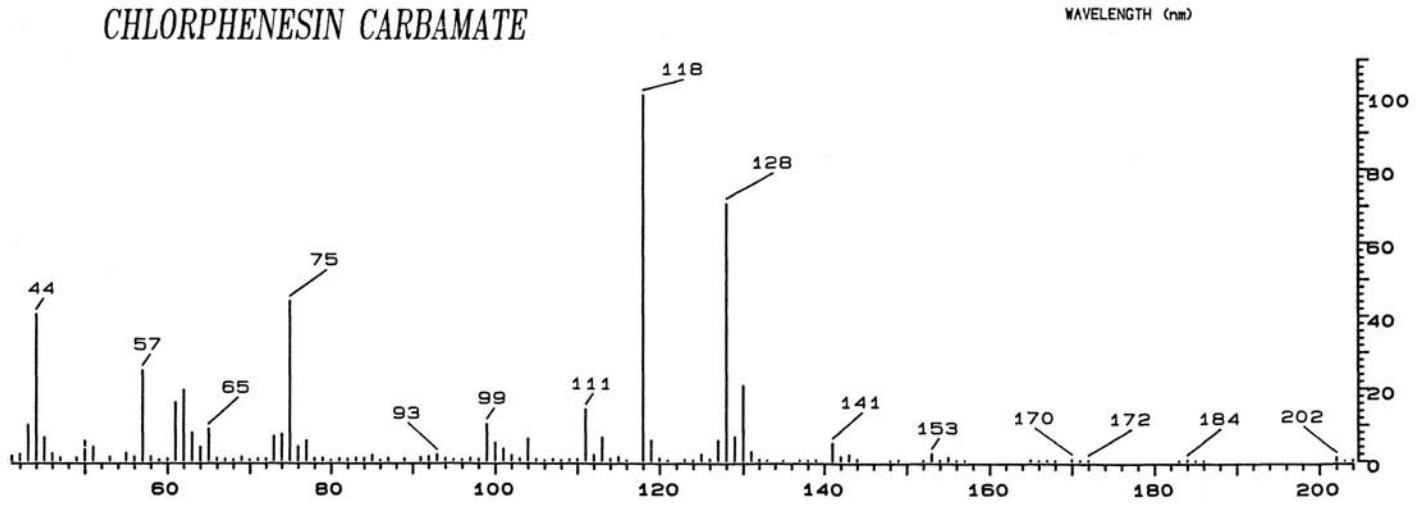
Molecular weight: 245.66 (245.05)
Synonyms: 3-(4-Chlorophenoxy)-1,2-propanediol-1-carbamate

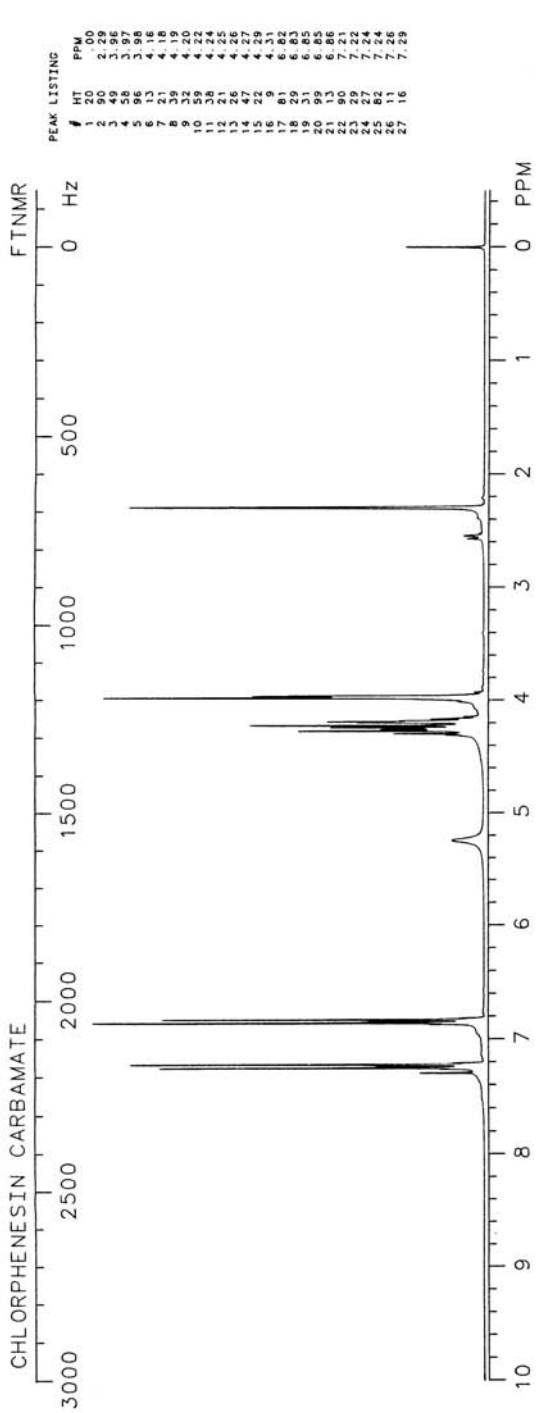
Trade names: Maolate

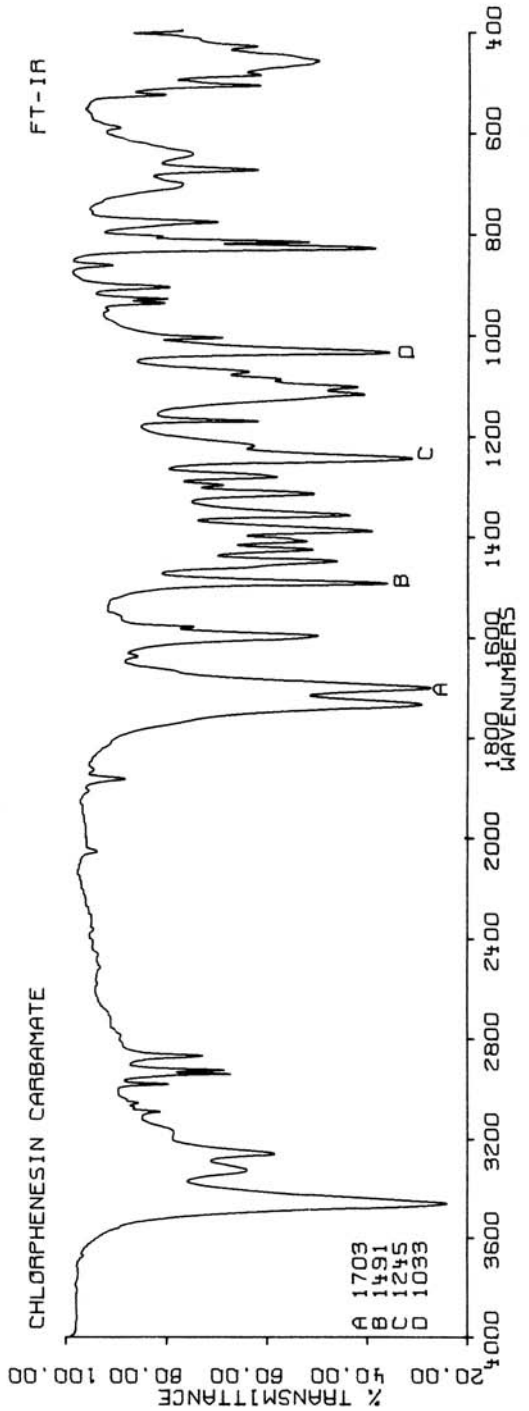
Use: Topical antifungal
HPLC: Si-10; 2A:98B; 4.7
GC: 1699; 200°C








CHLORPHENESIN CARBAMATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 20 .00
2 90 2.29
3 49 3.96
4 58 3.97
5 96 3.98
6 13 4.16
7 21 4.18
8 39 4.19
9 32 4.20
10 59 4.22
11 28 4.24
12 21 4.25
13 26 4.26
14 47 4.27
15 22 4.29
16 9 4.31
17 81 6.82
18 29 6.83
19 31 6.85
20 99 6.85
21 13 6.86
22 90 7.21
23 29 7.22
24 27 7.24
25 82 7.24
26 11 7.26
27 16 7.29

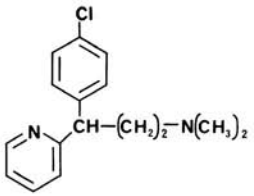

FT-IR
CHLORPHENESIN CARBAMATE
A 1703
B 1491
C 1245
D 1033
A
B
C
D
% TRANSMITTANCE
20.00
40.00
60.00
80.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

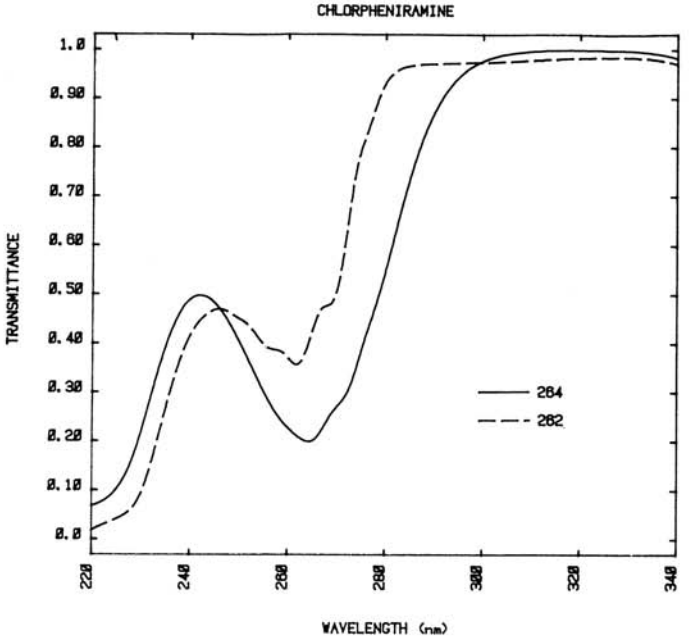
CHLORPHENIRAMINE

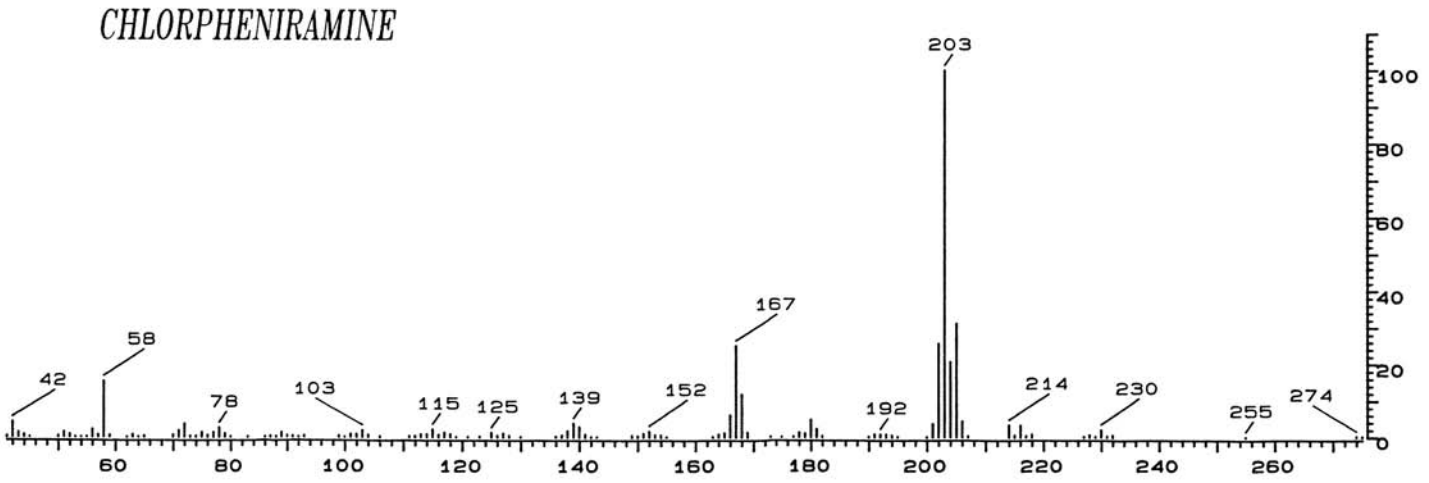
$C_{16}H_{19}ClN_2$

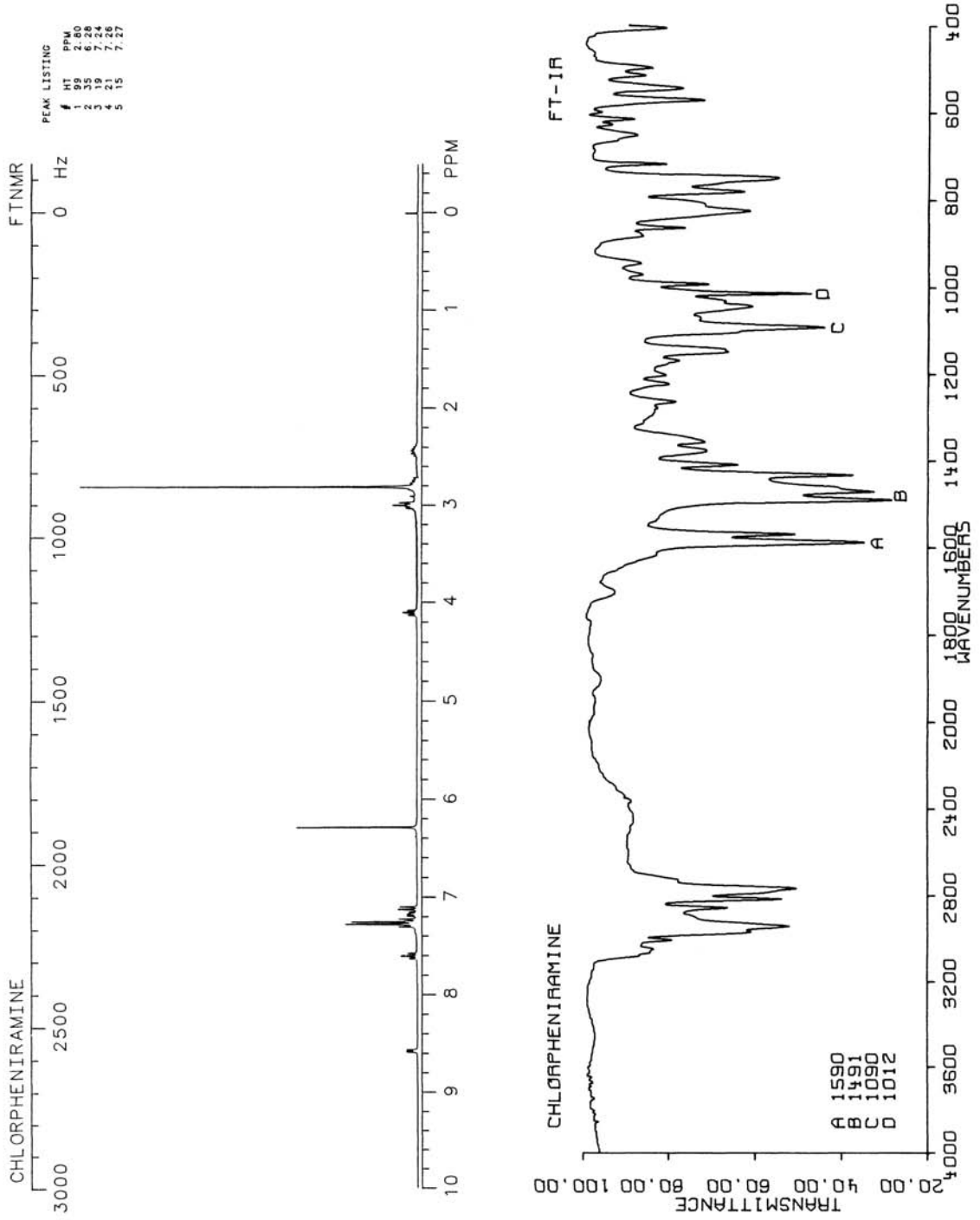
Molecular weight: 274.79 (274.12)
Synonyms: γ-(4-Chlorophenyl)-N,N-dimethyl-2-pyridinepropanamine

Trade names: Anamine, Anatuss, Brexin, Chlorafed, Chlor-Trimeton, Citra, Codimal-LA, Colrex, Comhist, Comtrex, Conex, Coricidin, Coryban-D, Co-Tylenol, Decon-Aid, Deconamine, Decon-Tuss, Dehist, Extendryl, 4-Way Cold, Fedahist, Guistrey, Histabid, Histalet, Historal, Hycomine, Isoclor, Korigesic, Leder, Napril, Neotep, Nilcol, Novafed, Novahistine, Ornade, Protid, Resaid, Rhinafed, Sinulin, Triaminic, Tussar, Tuss-Ornade
Use: Antihistaminic
HPLC: Si-10; 10A:90B; 6.0
GC: 2059; 250°C





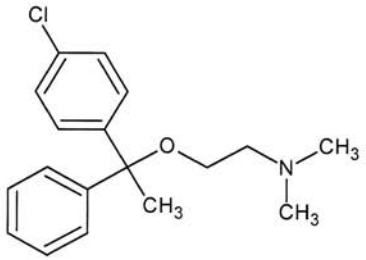


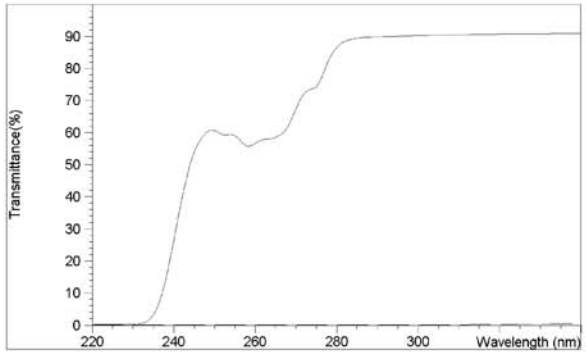

CHLORPHENIRAMINE
FTNMR
PEAK LISTING
HT PPM
1 99 2.80
2 35 6.28
3 19 7.24
4 21 7.26
5 15 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CHLORPHENIRAMINE
FT-IR
A 1590
B 1491
C 1090
D 1012
A
B
C
D
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CHLORPHENOXAMINE

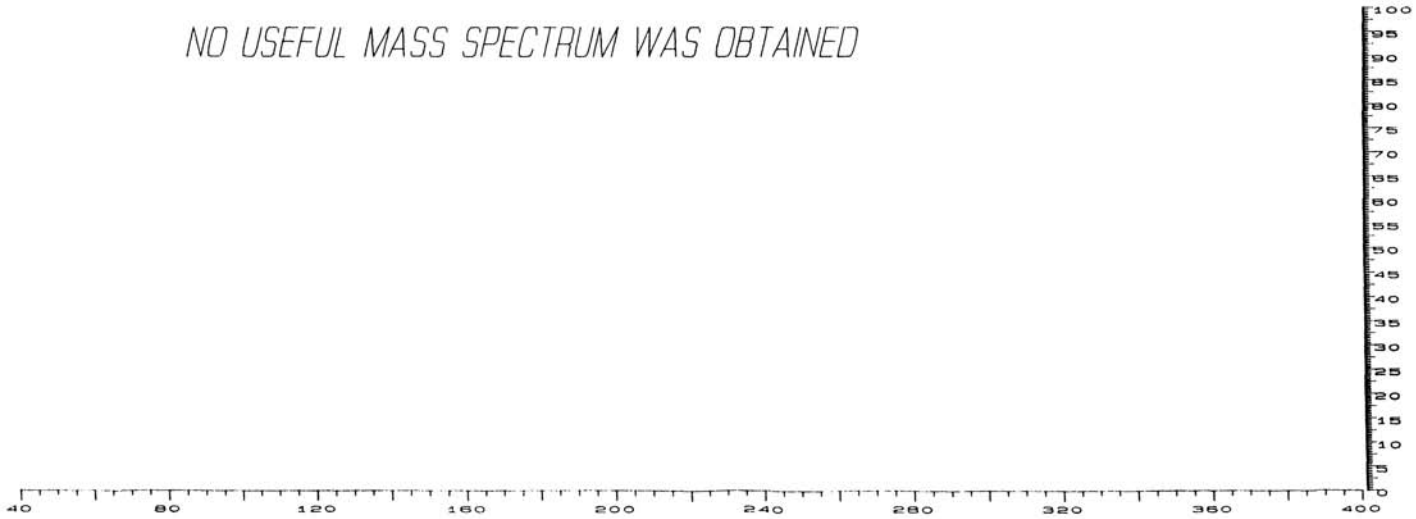
$C_{18}H_{22}ClNO$

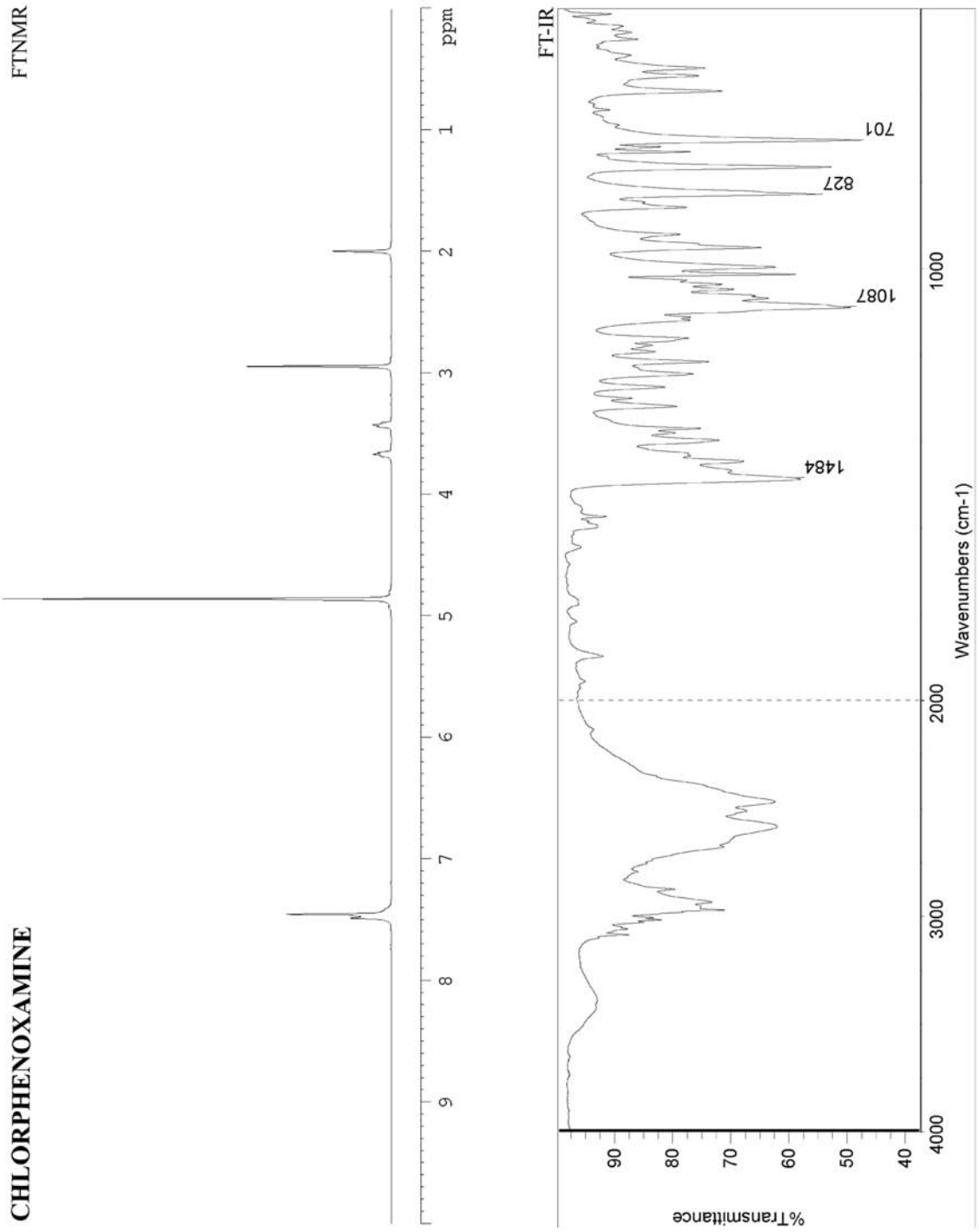
Molecular Weight: 303.83 (303.14)
Synonyms: 2-[1-(4-Chlorophenyl)-1-phenylethoxy]-*N*,*N*-dimethylethanamine
Trade names: Clorevan, Systral
Use: Antihistamine





NO USEFUL MASS SPECTRUM WAS OBTAINED



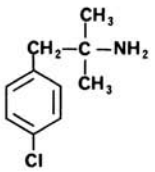

CHLORPHENOXAMINE
FTNMR
ppm
9
8
7
6
5
4
3
2
1
FT-IR
%Transmittance
90
80
70
60
50
40
4000
3000
2000
1000
Wavenumbers (cm-1)
1484
1087
827
701

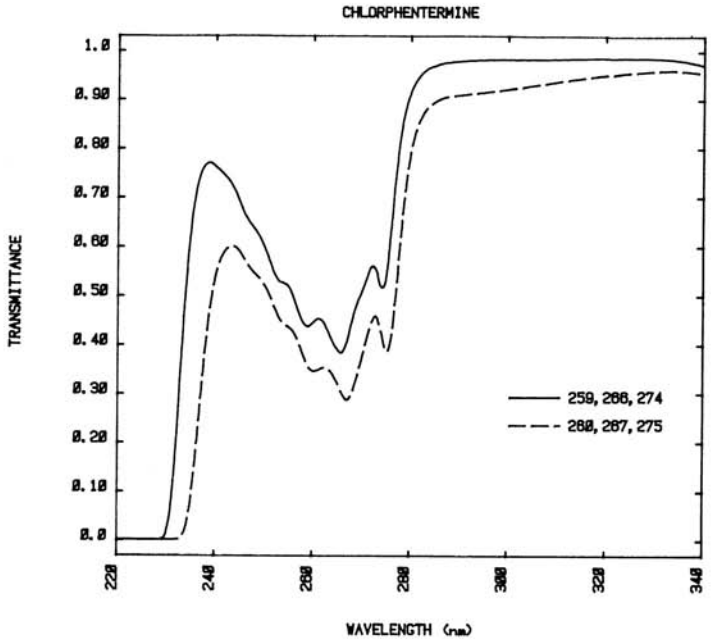
CHLORPHENTERMINE

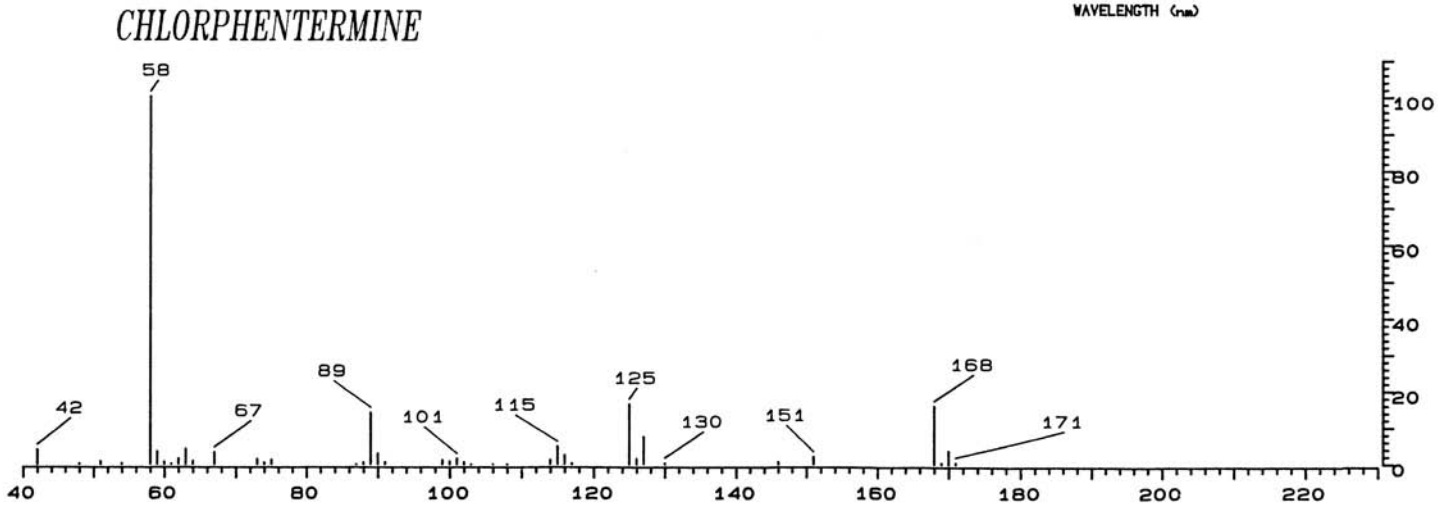
$C_{10}H_{14}ClN$

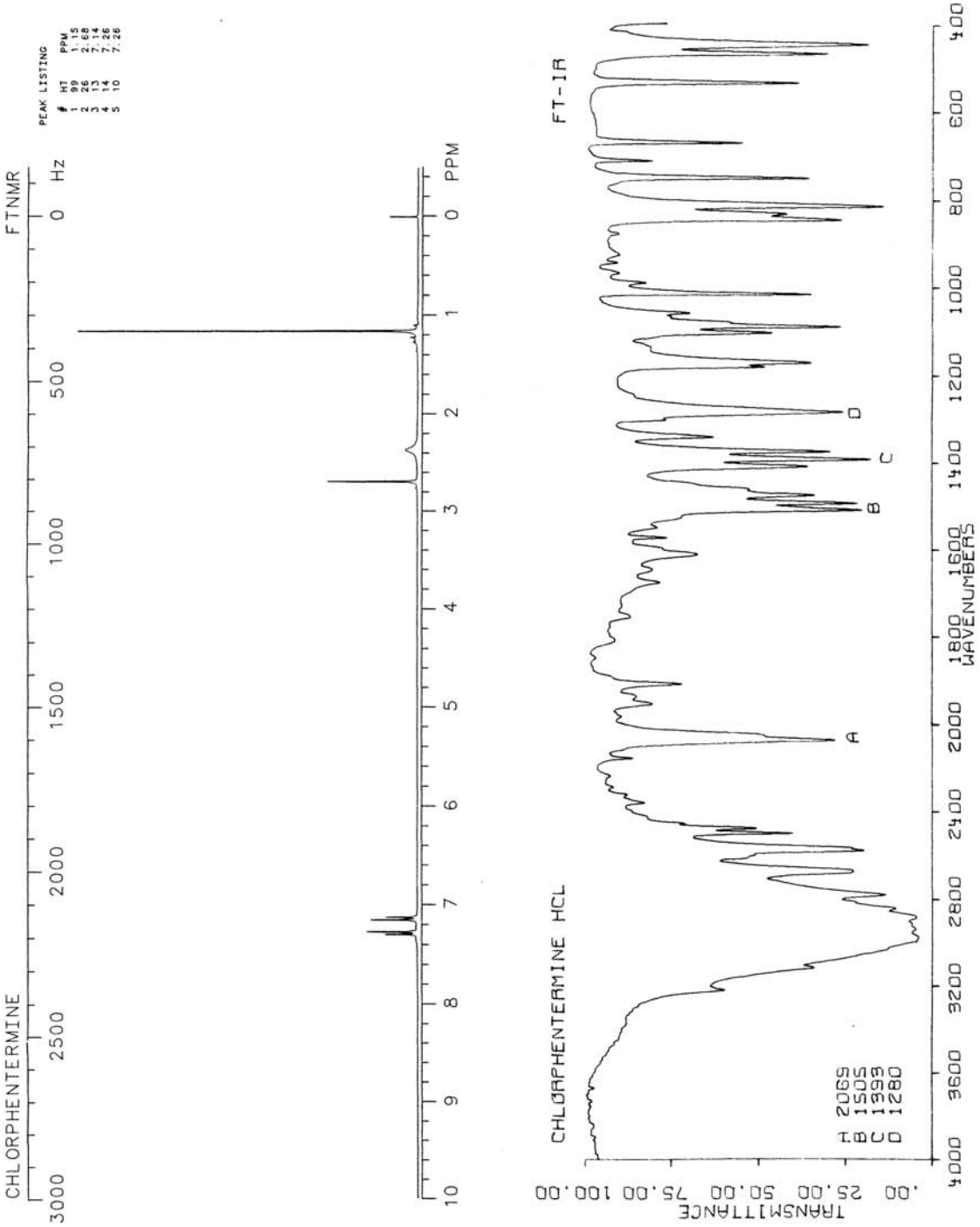
Molecular weight: 183.68 (183.08)
Synonyms: 4-Chloro-α,α-dimethylbenzeneethanamine; 4-chloro-α,α-dimethylphenethylamine
Trade names: Pre-Sate

Use: Anorexic
HPLC: Si-10; 10A:90B; 5.0
GC: 1349j; 140°C







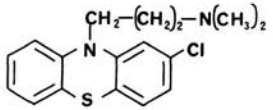

CHLORPHENTERMINE
FTNMR
PEAK LISTING
HT PPM
1 99 1.15
2 26 2.68
3 13 7.14
4 14 7.26
5 10 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CHLORPHENTERMINE HCL
FT-IR
TRANSMITTANCE
100.00 75.00 50.00 25.00 .00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 2065
B 1505
C 1393
D 1280
A
B
C
D

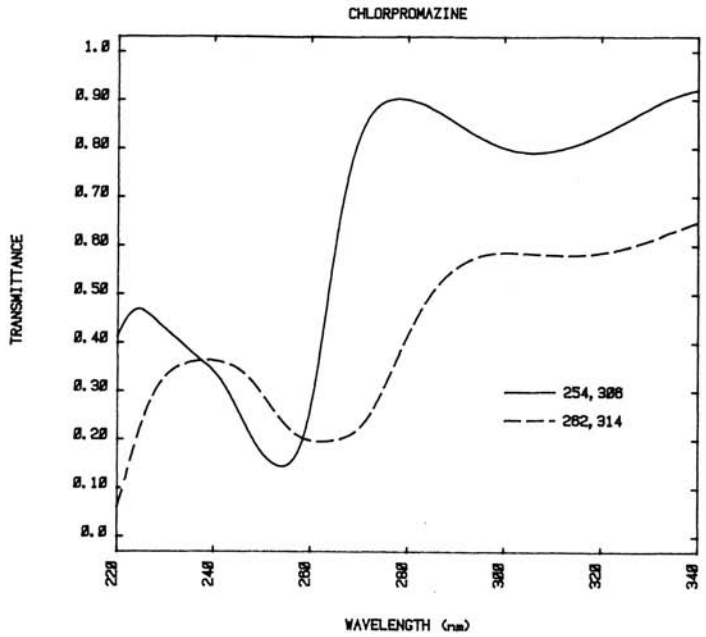
CHLORPROMAZINE

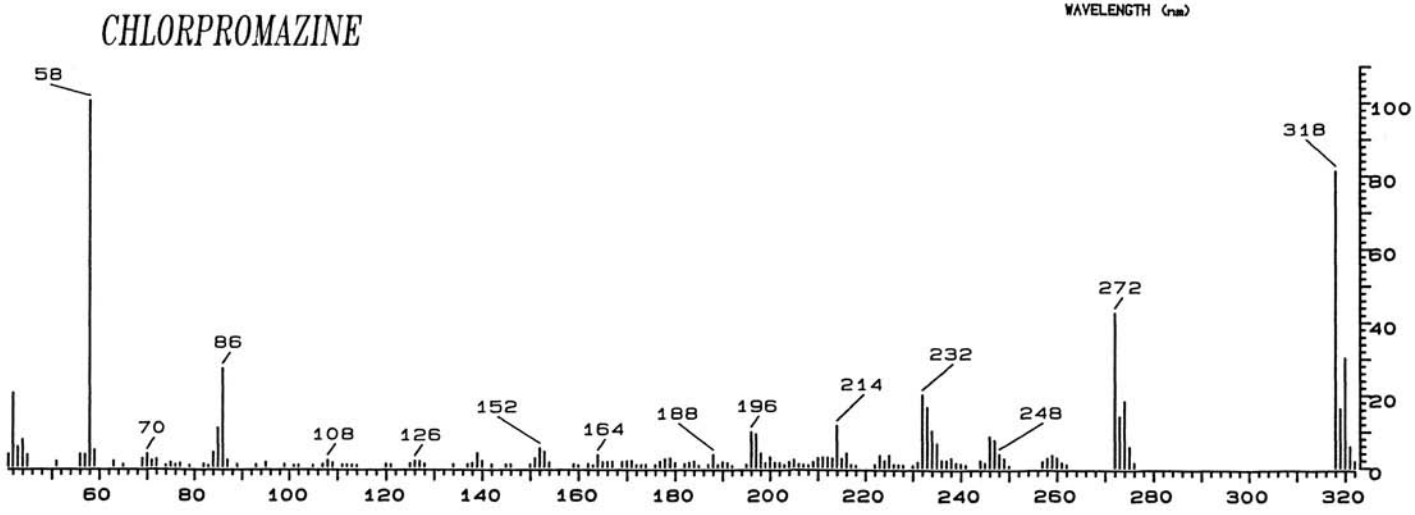
$C_{17}H_{19}ClN_2S$

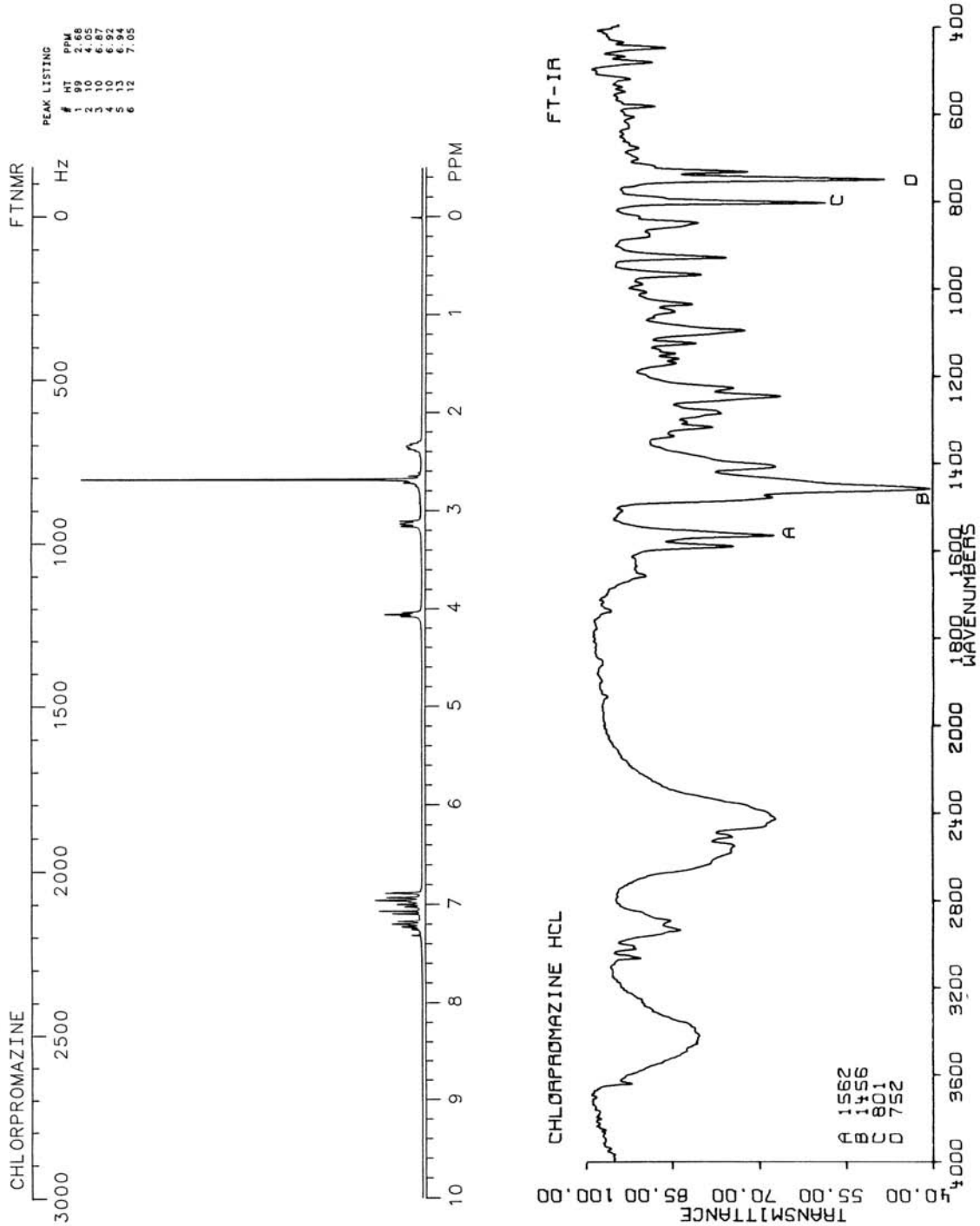
Molecular weight: 318.86 (318.10)
Synonyms: 2-Chloro-N,N-dimethyl-10H-phenothiazine-10-propanamine;
N-(3-dimethylaminopropyl)-3-chlorophenothiazine
Trade names: Thorazine, Chlorpromazine

Use: Tranquilizer, sedative, antiemetic
HPLC: Si-10; 2A:98B; 4.5
GC: 2548; 250°C








CHLORPROMAZINE
FTNMR
PEAK LISTING
HT PPM
1 99 2.68
2 10 4.05
3 10 6.87
4 10 6.92
5 13 6.94
6 12 7.05
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CHLORPROMAZINE HCL
FT-IR
A 1562
B 1456
C 801
D 752
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

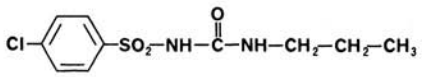
CHLORPROPAMIDE

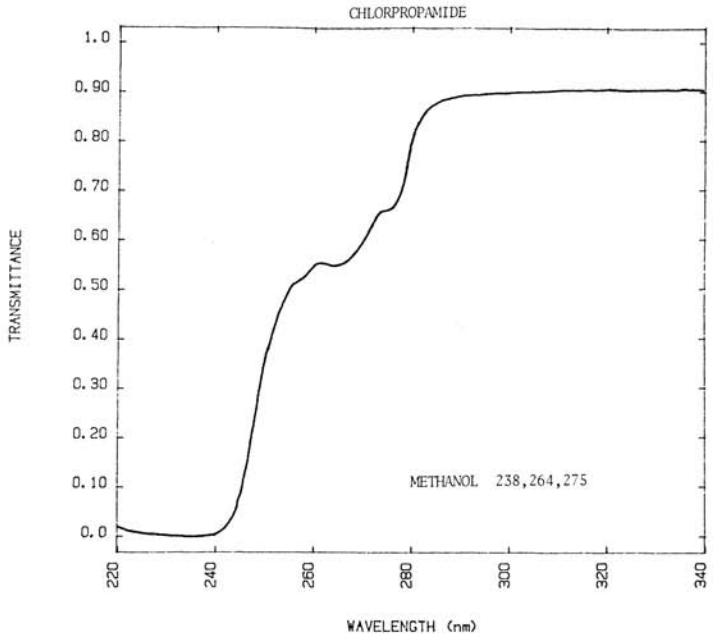
$C_{10}H_{13}ClN_2O_3S$

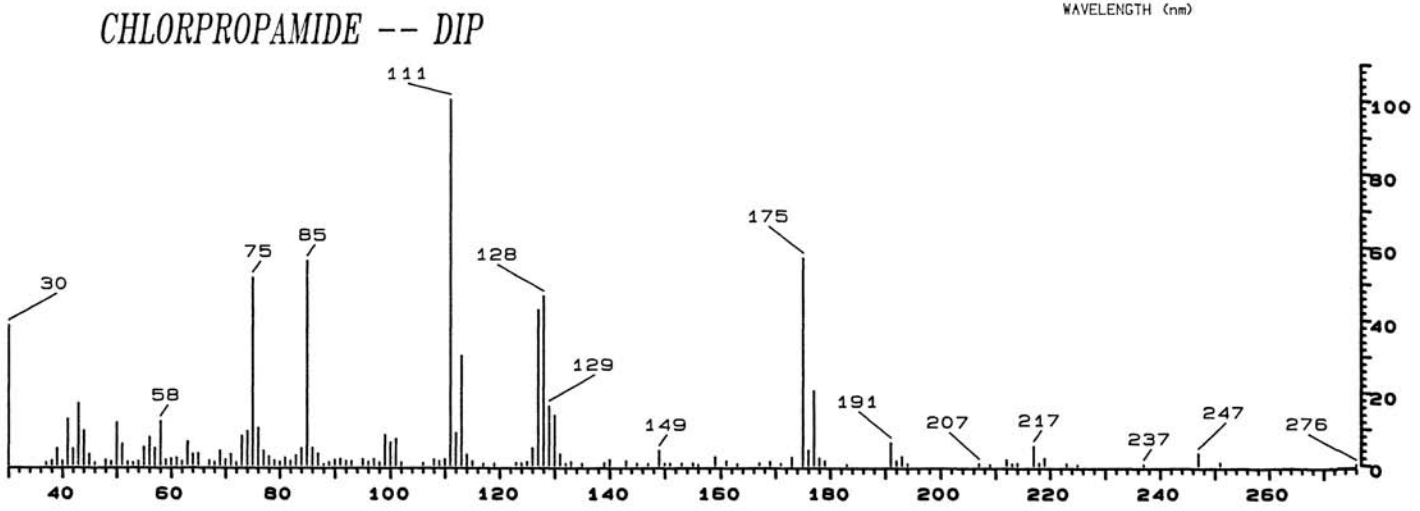
Molecular weight: 276.74 (276.03)
Synonyms: 4-Chloro-N-[(propylamino)carbonyl]benzensulfonamide

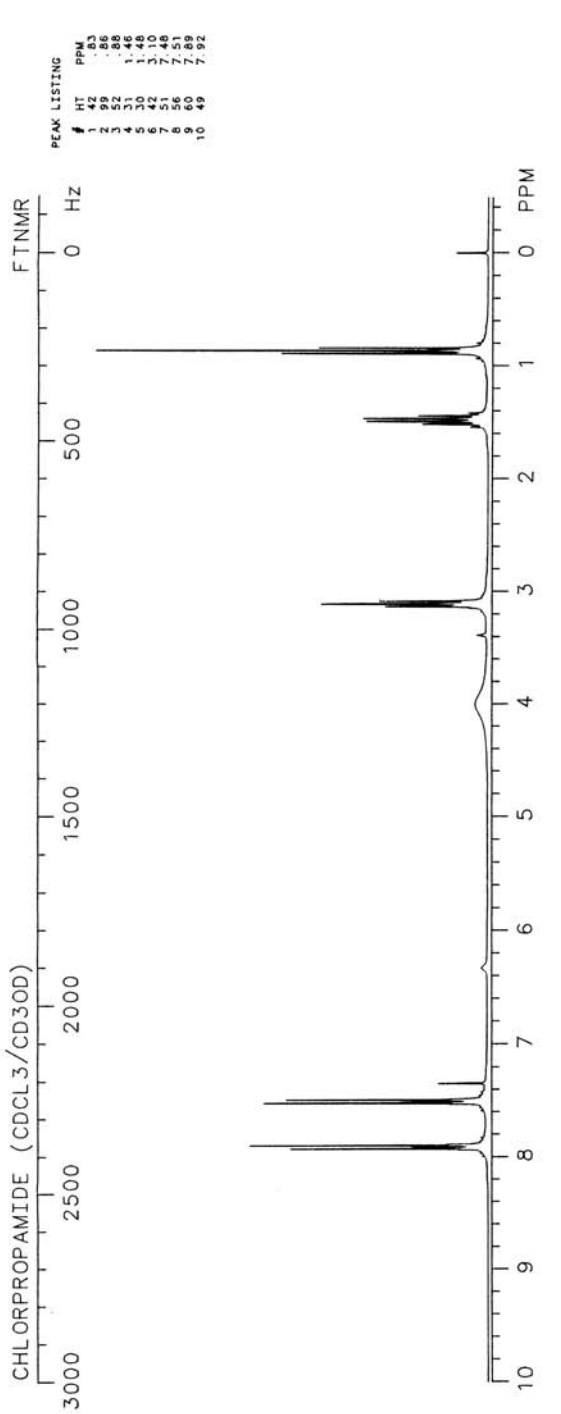
Trade names: Chlorpropamide, Diabinese

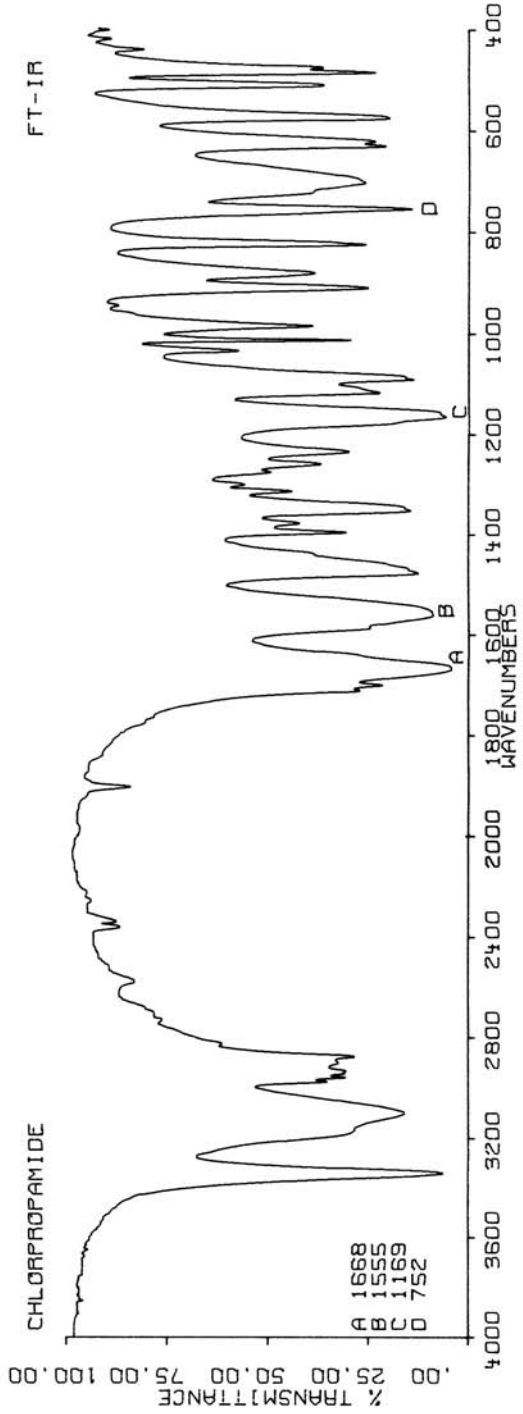
Use: Oral hypoglycemic
HPLC: Si-10; 5A:95B; 4.5
GC: 1696; 200°C








FTNMR
CHLORPROPAMIDE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 42 8.03
2 49 7.86
3 52 7.88
4 31 1.46
5 30 3.10
6 42 7.48
7 51 7.51
8 56 7.59
9 60 7.82
10 49 7.92
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

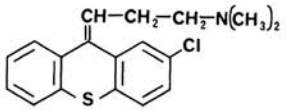

FT-IR
CHLORPROPAMIDE
A 1668
B 1555
C 1169
D 752
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

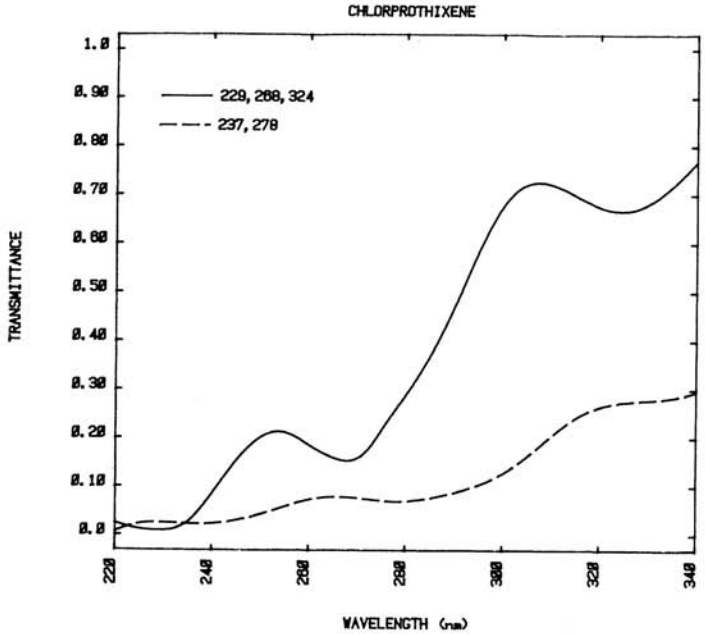
CHLORPROTHIXENE

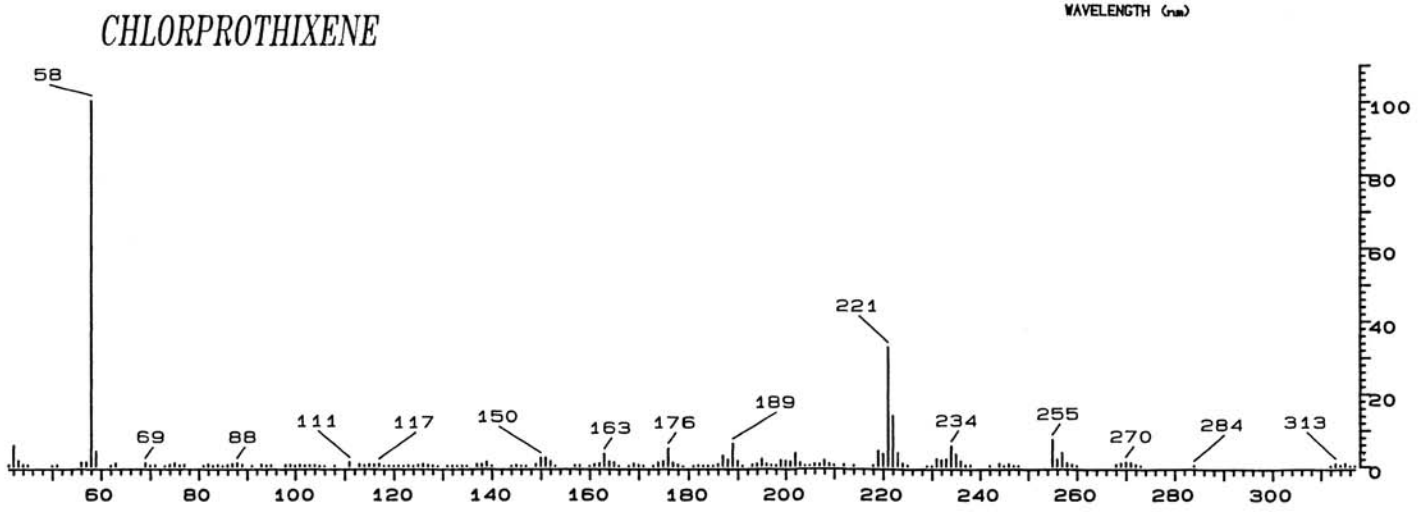
$C_{18}H_{18}ClNS$

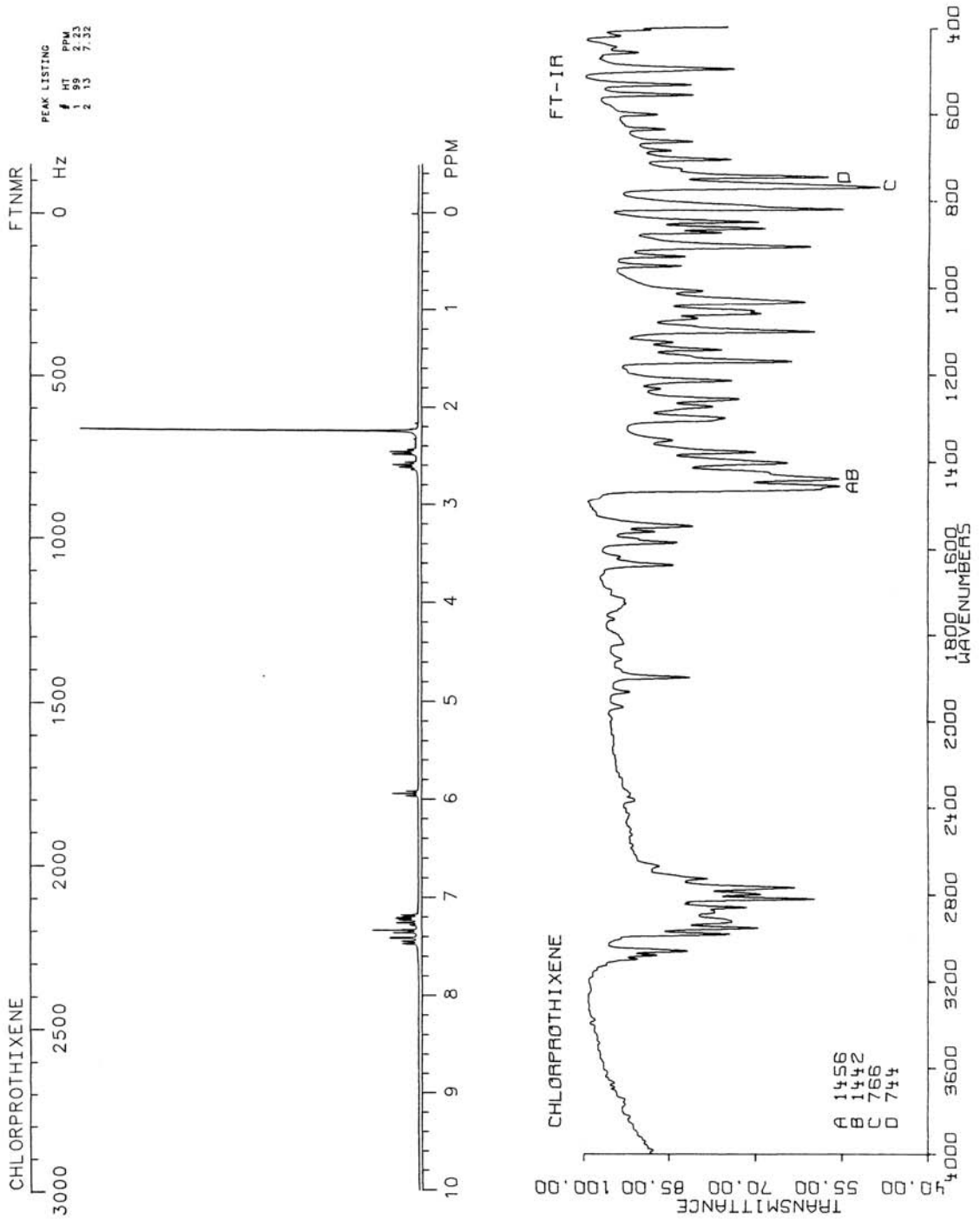
Molecular weight: 315.86 (315.09)
Synonyms: 3-(2-Chloro-9H-thioxanthen-9-ylidene)-N,N-dimethyl-1-propanamine
Trade names: Taractan

Use: Tranquilizer
HPLC: Si-10; 5A:95B; 4.5
GC: 2590; 250°C







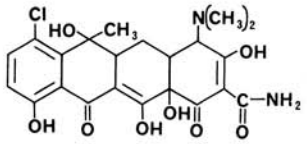

FTNMR
CHLORPROTHIXENE
PEAK LISTING
HT PPM
1 99 2.23
2 13 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
CHLORPROTHIXENE
A 1456
B 1442
C 766
D 744
AB
C
D
TRANSMITTANCE
50.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

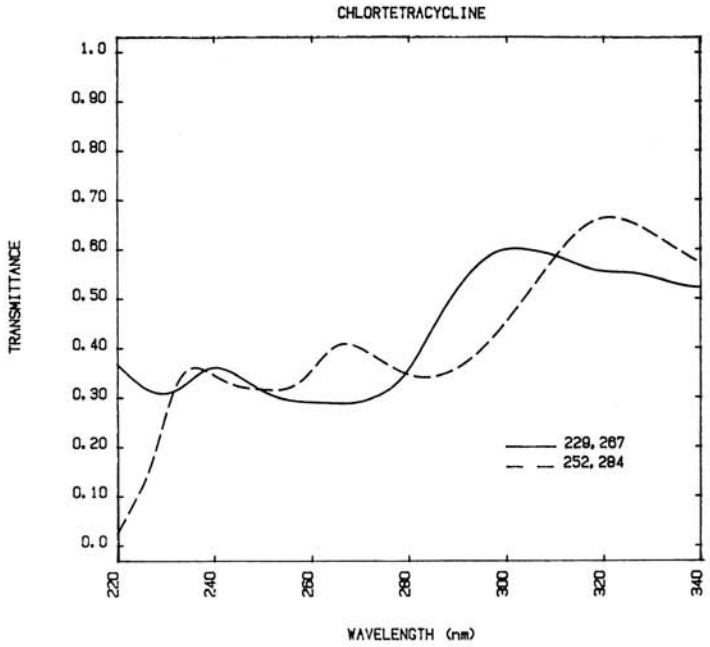
CHLORTETRACYCLINE

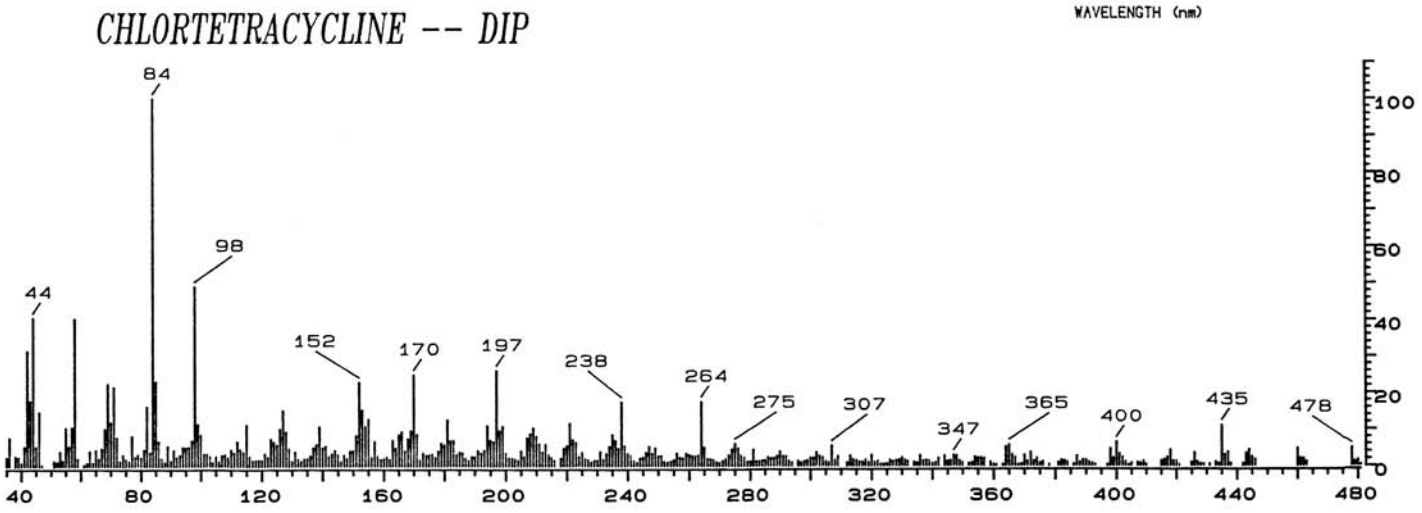
$C_{22}H_{23}ClN_2O_8$

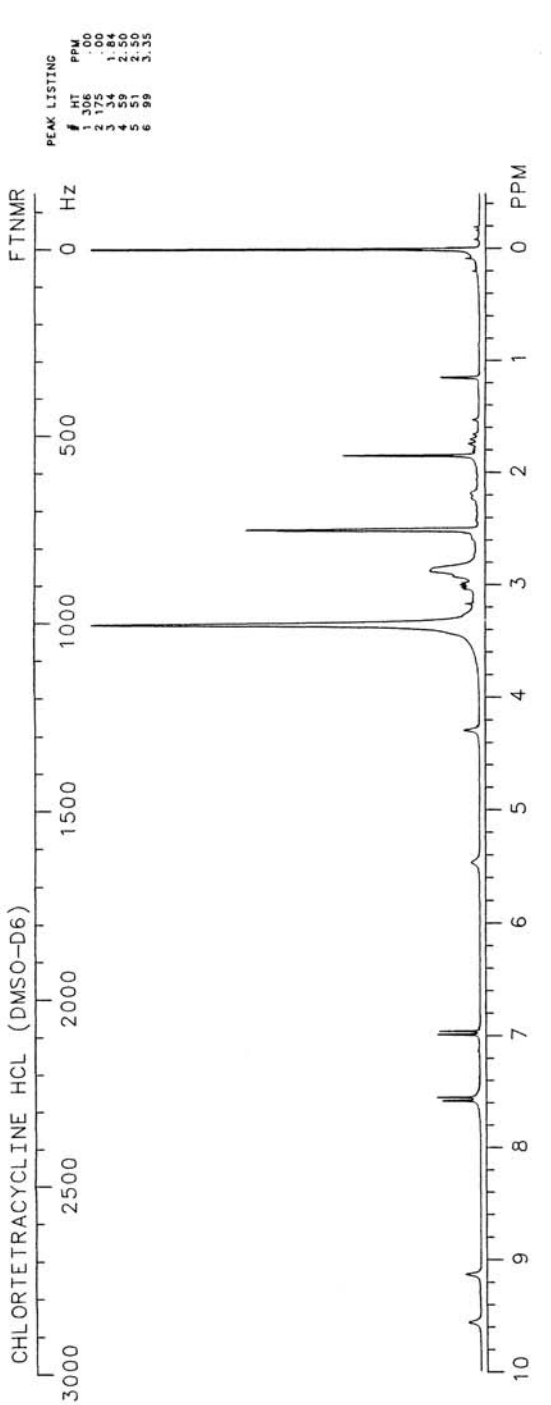
Molecular weight: 478.88 (478.11)
Synonyms: 7-Chloro-4-dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide; 7-chlorotetracycline
Trade names: Aureomycin

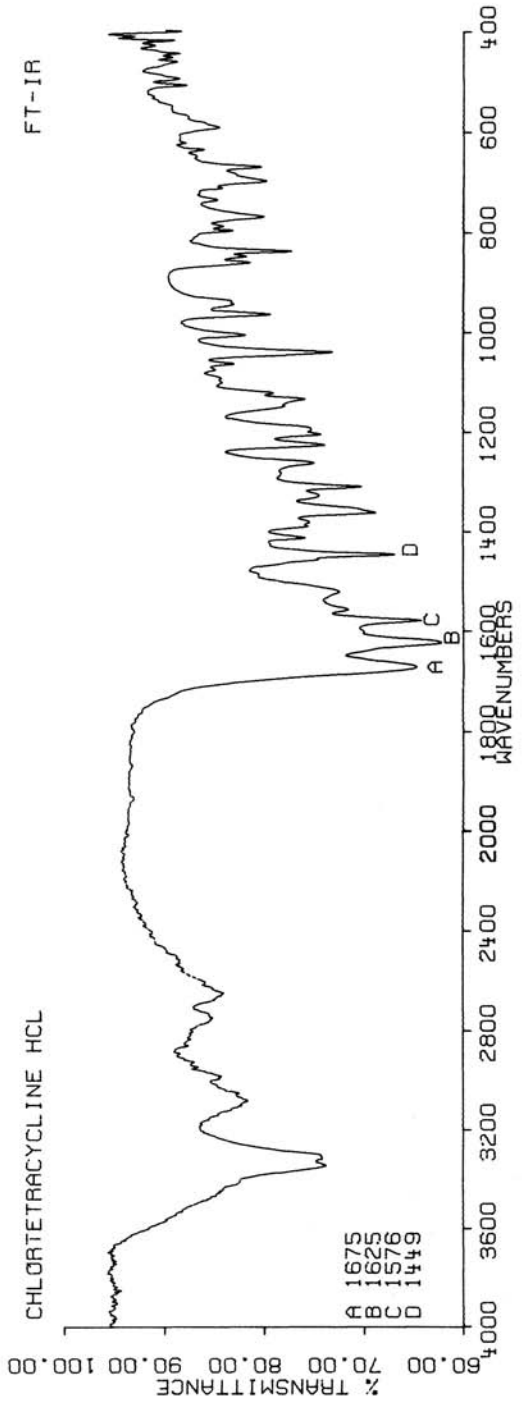
Use: Antibacterial, antiprotozoal
HPLC:
GC:







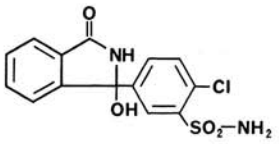

FTNMR
CHLORTETRACYCLINE HCL (DMSO-D6)
PEAK LISTING
HT PPM
1 306 .00
2 175 .00
3 34 1.84
4 59 2.50
5 51 2.30
6 99 3.35
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

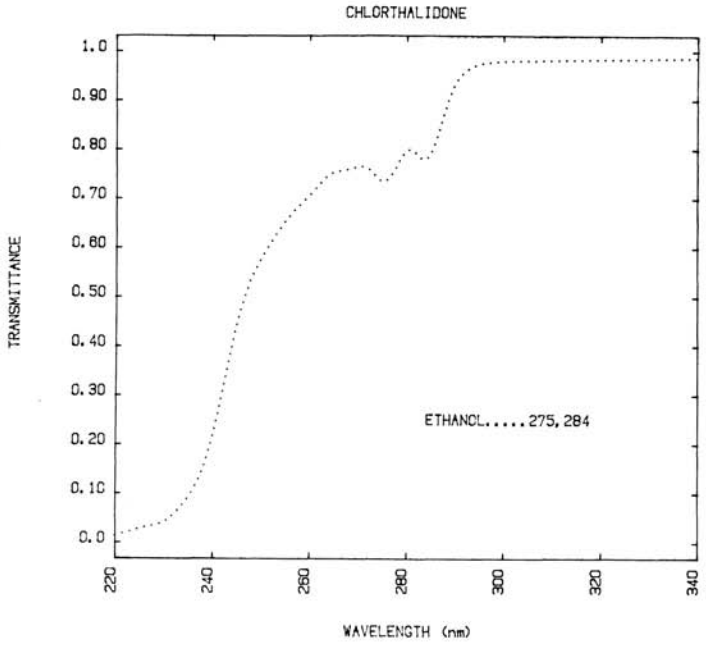

FT-IR
CHLORTETRACYCLINE HCL
A 1675
B 1625
C 1576
D 1449
% TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

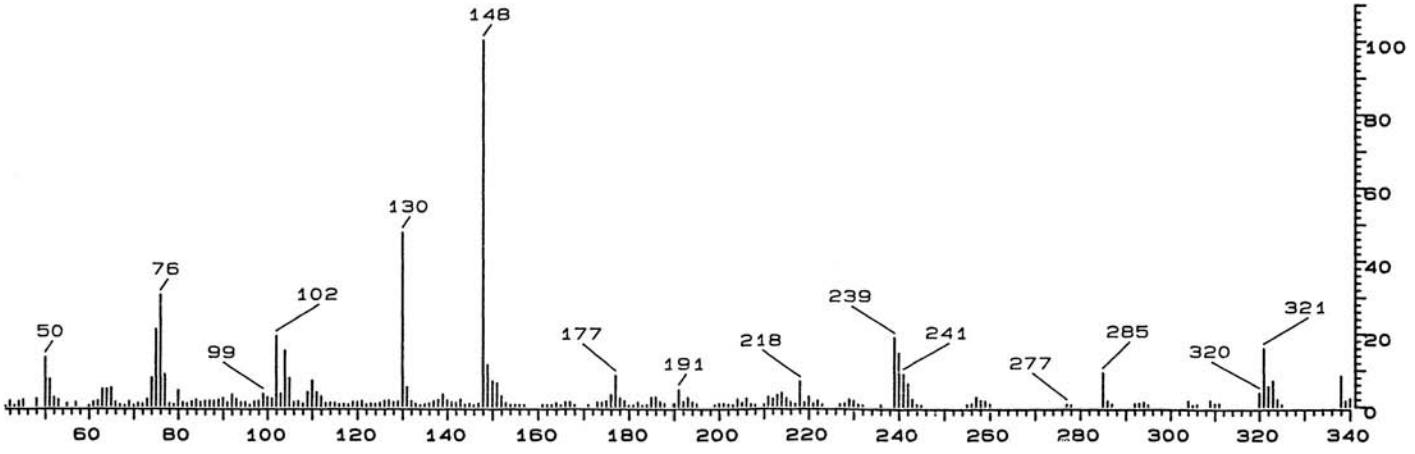
CHLORTHALIDONE

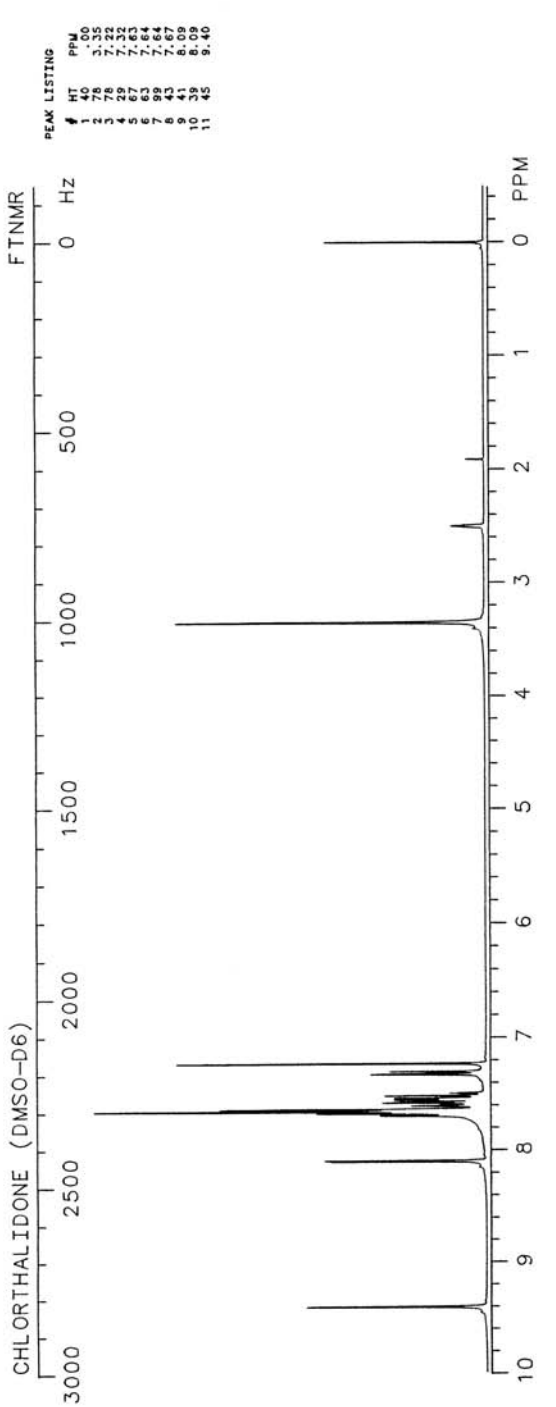
$C_{14}H_{11}ClN_2O_4S$

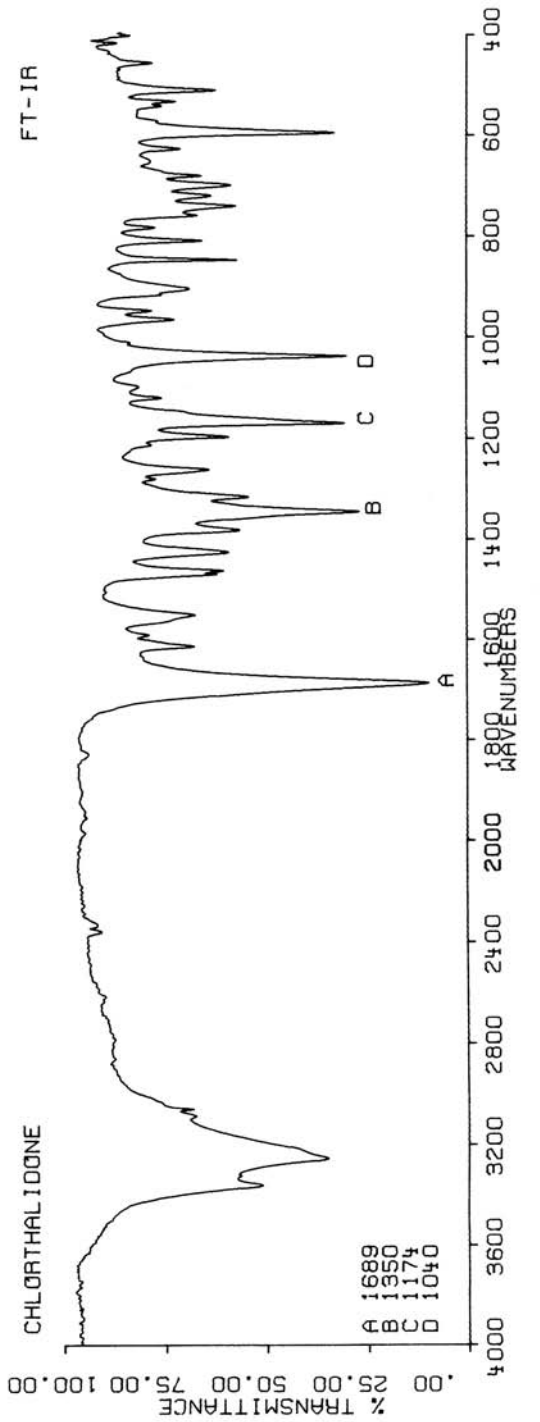
Molecular weight: 338.77 (338.01
Synonyms: 2-Chloro-5-(1-hydroxy-3-oxo-1-isoindolinyl)benzene-sulfonamide
Trade names: Chlorthalidone, Combipres, Demi-Regroton, Hygroton, Regroton
Use: Diuretic, antihypertensive
HPLC:
GC:








FTNMR
CHLORTHALIDONE (DMSO-D6)
PEAK LISTING
HT PPM
1 40 .00
2 78 3.35
3 78 7.32
4 29 7.32
5 67 7.63
6 63 7.64
7 99 7.64
8 43 7.67
9 41 8.09
10 39 8.09
11 45 9.40
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CHLORTHALIDONE
A 1689
B 1350
C 1174
D 1040
A B C D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

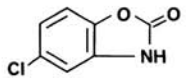
CHLORZOXAZONE

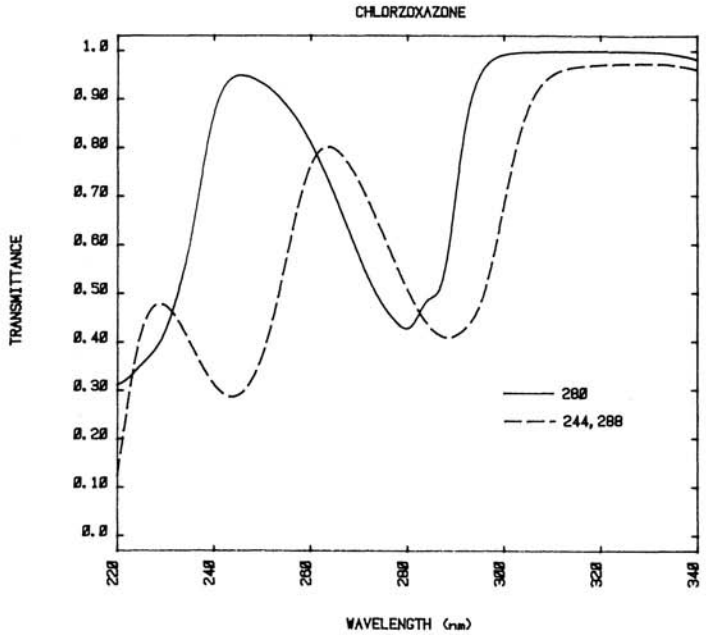
$C_7H_4ClNO_2$

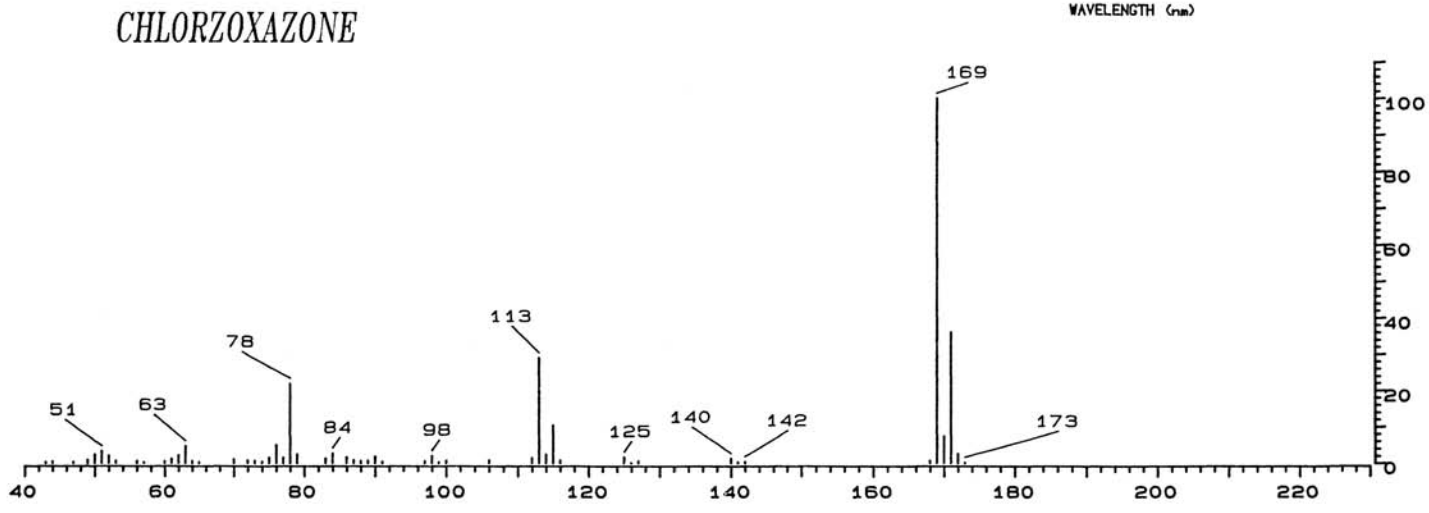
Molecular weight: 169.57 (169.00)
Synonyms: 5-Chloro-2(3H)-benzoxazolone; 5-chloro-2-benzoxazolol

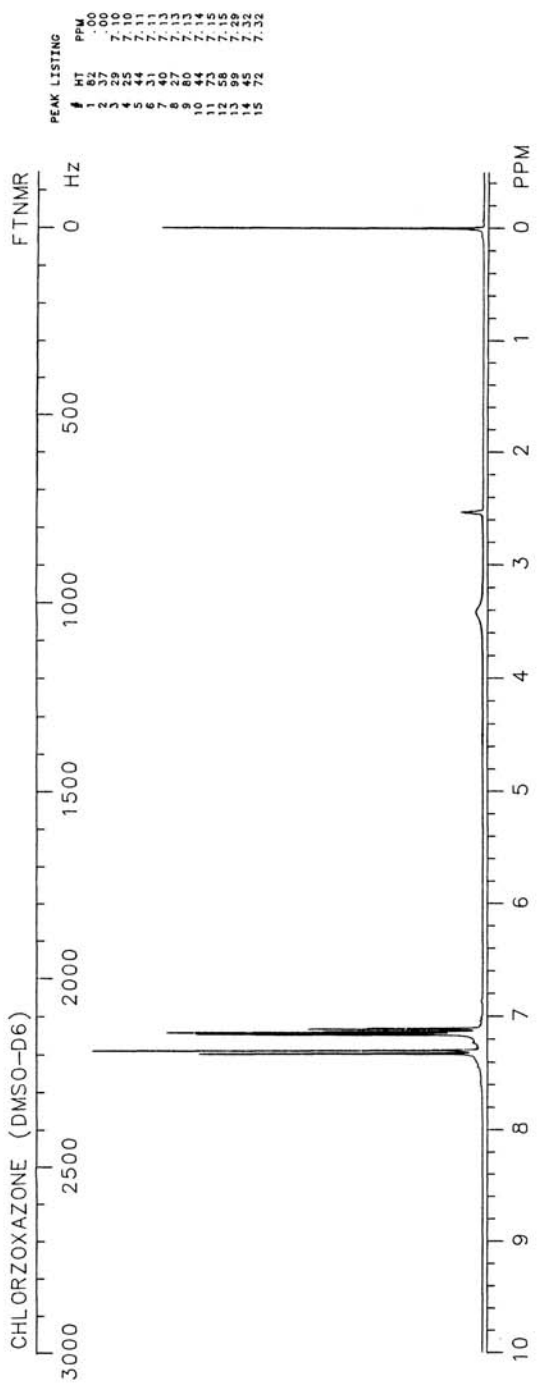
Trade names: Paraflex, Parafon Forte

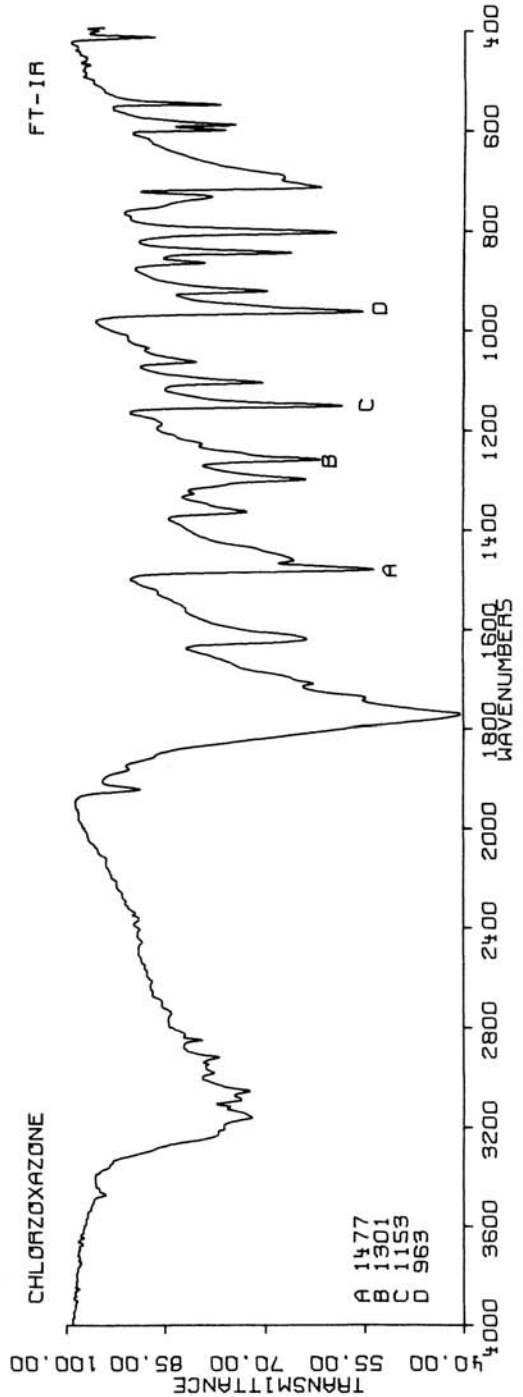
Use: Skeletal muscle relaxant
HPLC: Si-10; 1A:99B; 8.5
GC: 1769; 200°C








FTNMR
CHLORZOXAZONE (DMSO-D6)
PEAK LISTING
HT PPM
1 82 .00
2 37 .00
3 29 7.10
4 25 7.10
5 44 7.11
6 31 7.11
7 40 7.13
8 27 7.13
9 80 7.13
10 44 7.14
11 71 7.15
12 58 7.15
13 99 7.29
14 45 7.32
15 72 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

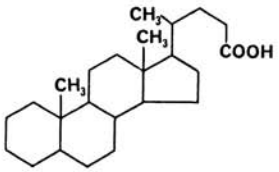

FT-IR
CHLORZOXAZONE
A 1477
B 1301
C 1153
D 963
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

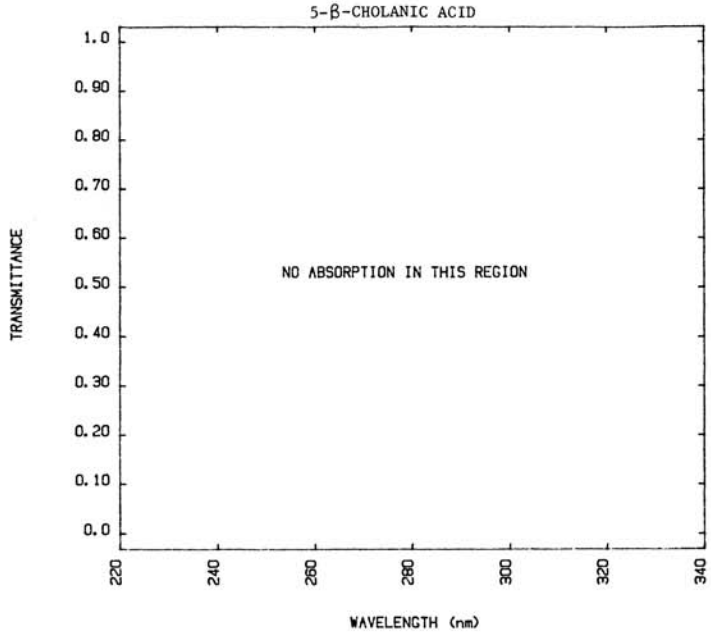
5-β-CHOLANIC ACID

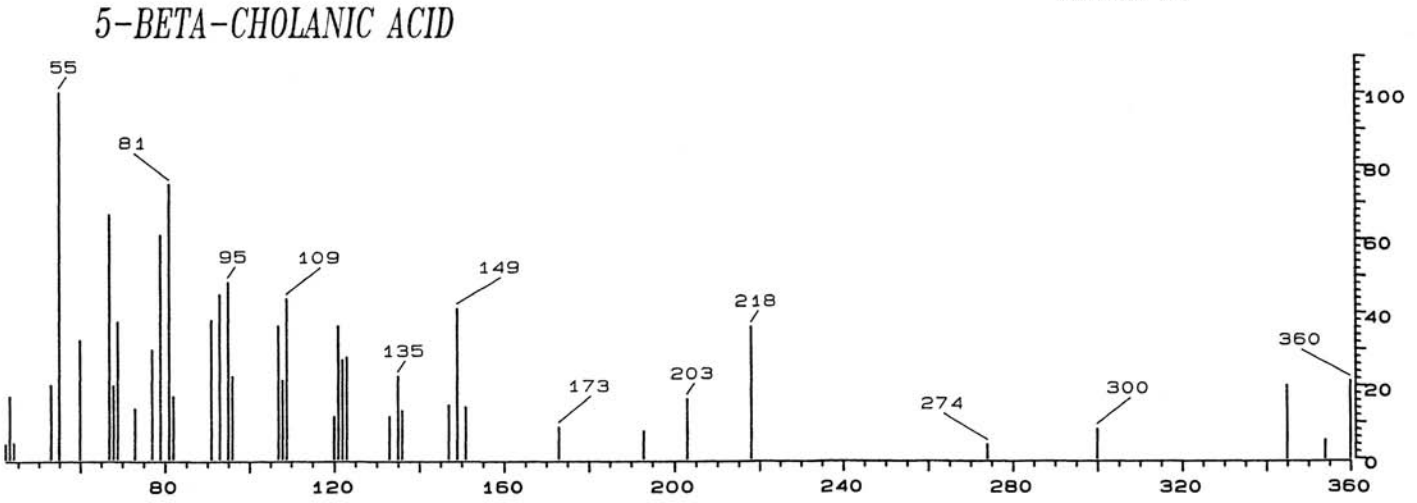
$C_{24}H_{40}O_2$

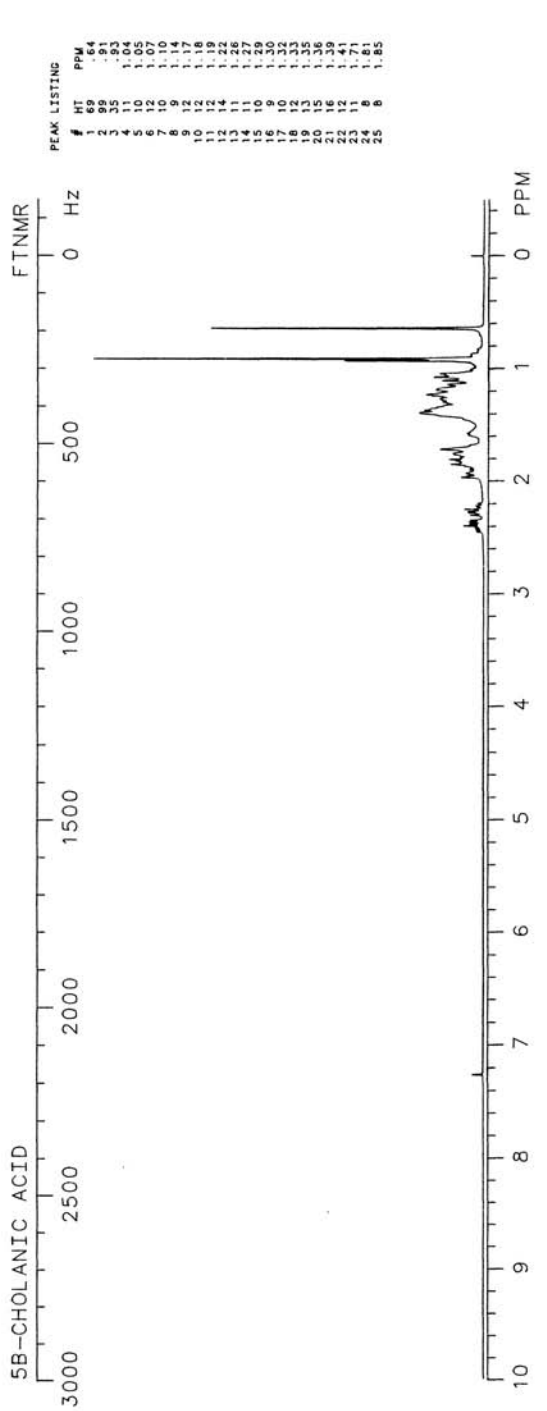
Molecular weight: 360.56 (360.30)
Synonyms: 5-beta-Cholan-24-oic acid; cholanic acid; ursocholanic acid
Trade names:

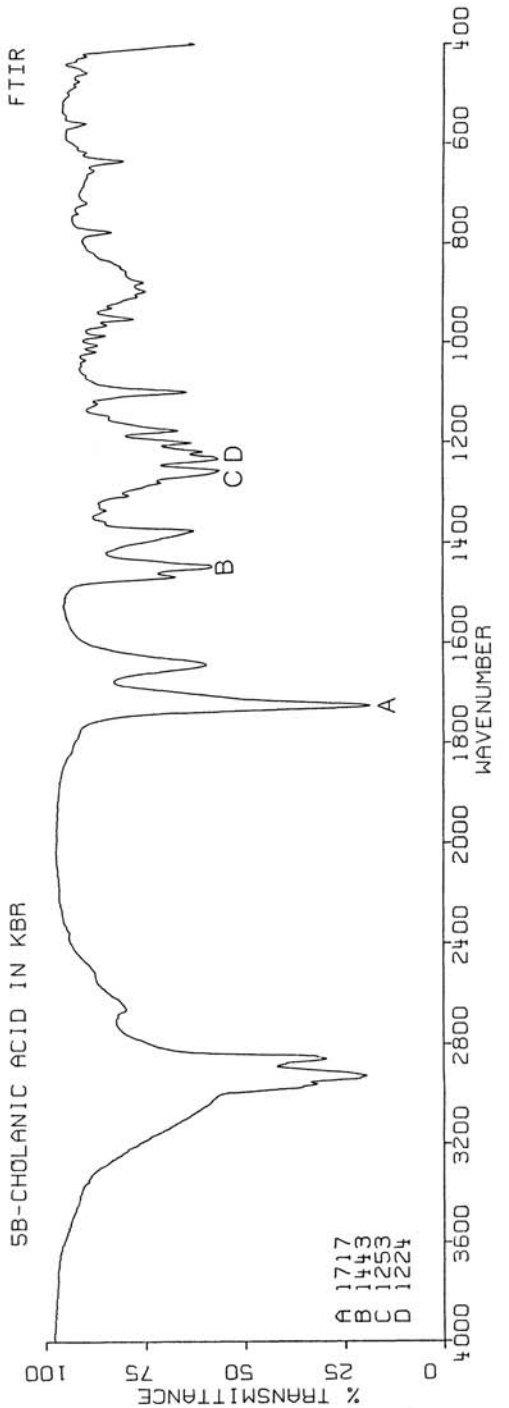
Use:
HPLC:
GC:








5B-CHOLANIC ACID
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 69 .64
2 99 .91
3 35 .93
4 11 1.04
5 10 1.05
6 12 1.07
7 10 1.10
8 9 1.14
9 12 1.17
10 12 1.18
11 12 1.19
12 14 1.22
13 11 1.26
14 11 1.27
15 10 1.29
16 9 1.30
17 10 1.32
18 12 1.33
19 13 1.35
20 15 1.36
21 16 1.39
22 12 1.41
23 11 1.71
24 8 1.81
25 8 1.85

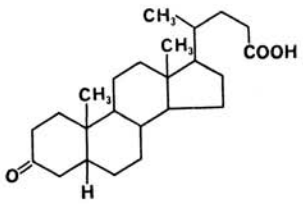

5B-CHOLANIC ACID IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D
A 1717
B 1443
C 1253
D 1224

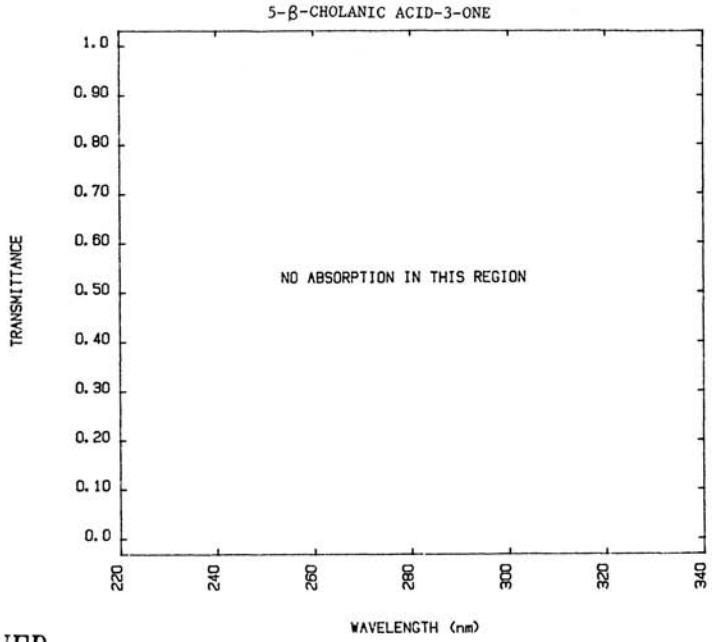
5-β-CHOLANIC ACID-3-ONE

$C_{24}H_{39}O_3$

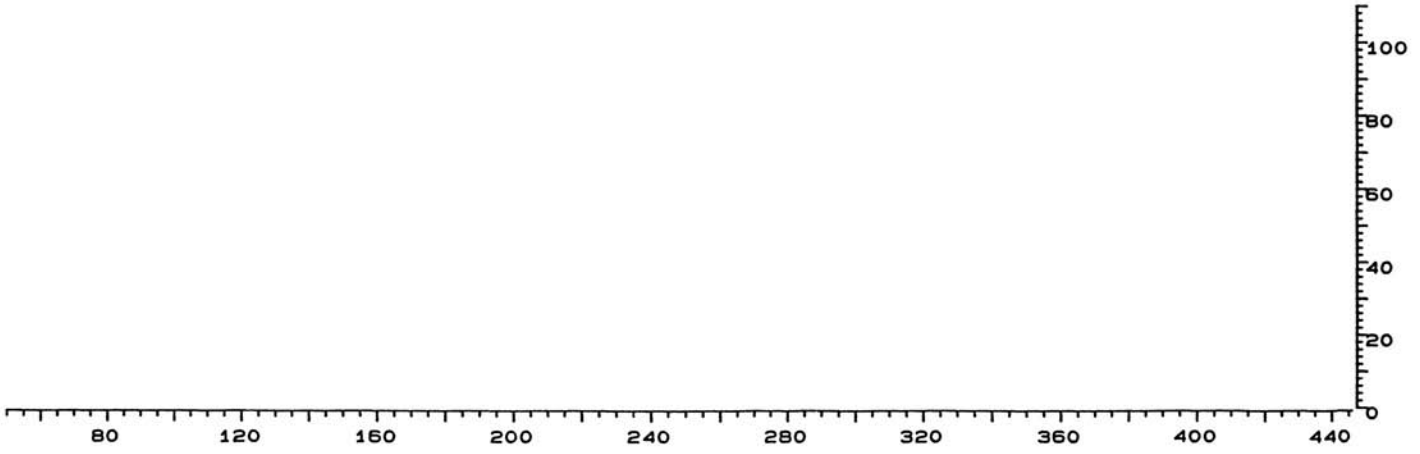
Molecular weight: 375.56 (375.29)
Synonyms: 5-beta-Cholan-24-oic acid-3-one; dehydrolithocholic acid;
3-keto-5-beta-cholanic acid
Trade names:

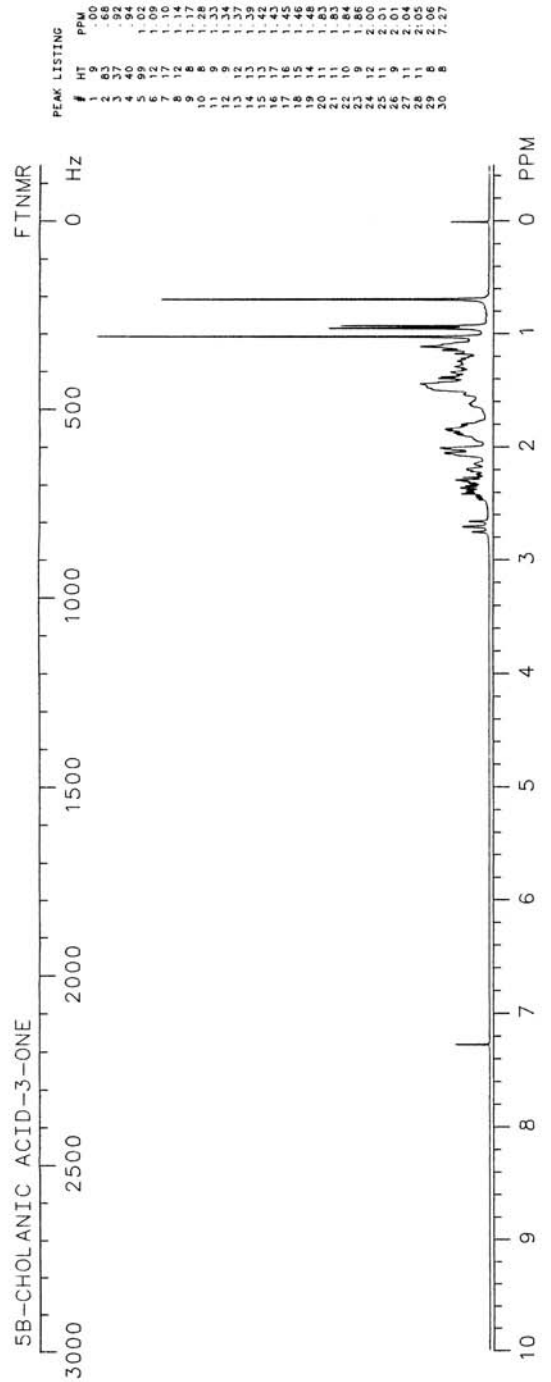
Use:
HPLC:
GC:

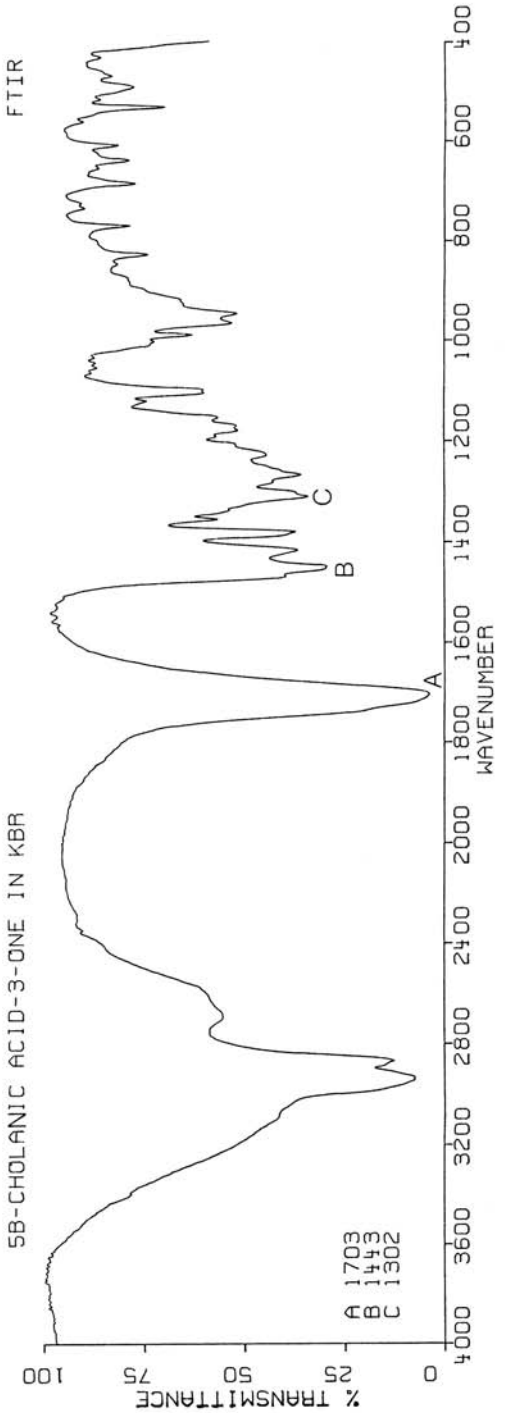




NO USEFUL MASS SPECTRUM WAS OBTAINED



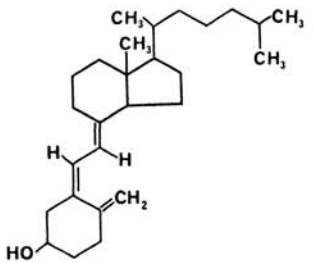

5B-CHOLANIC ACID-3-ONE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 9 .00
2 83 1.68
3 97 1.92
4 40 1.94
5 99 1.02
6 12 1.09
7 17 1.10
8 12 1.14
9 8 1.27
10 8 1.28
11 9 1.33
12 9 1.34
13 12 1.37
14 13 1.39
15 13 1.42
16 17 1.43
17 16 1.45
18 15 1.46
19 14 1.48
20 11 1.83
21 11 1.83
22 10 1.84
23 9 1.86
24 12 2.00
25 11 2.01
26 9 2.01
27 11 2.04
28 11 2.05
29 8 2.06
30 8 7.27

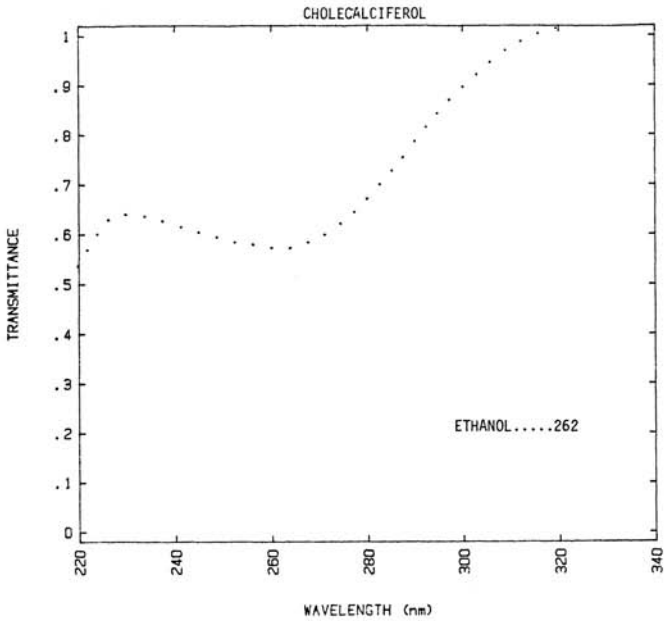

5B-CHOLANIC ACID-3-ONE IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1703
B 1443
C 1302
A
B
C

CHOLECALCIFEROL

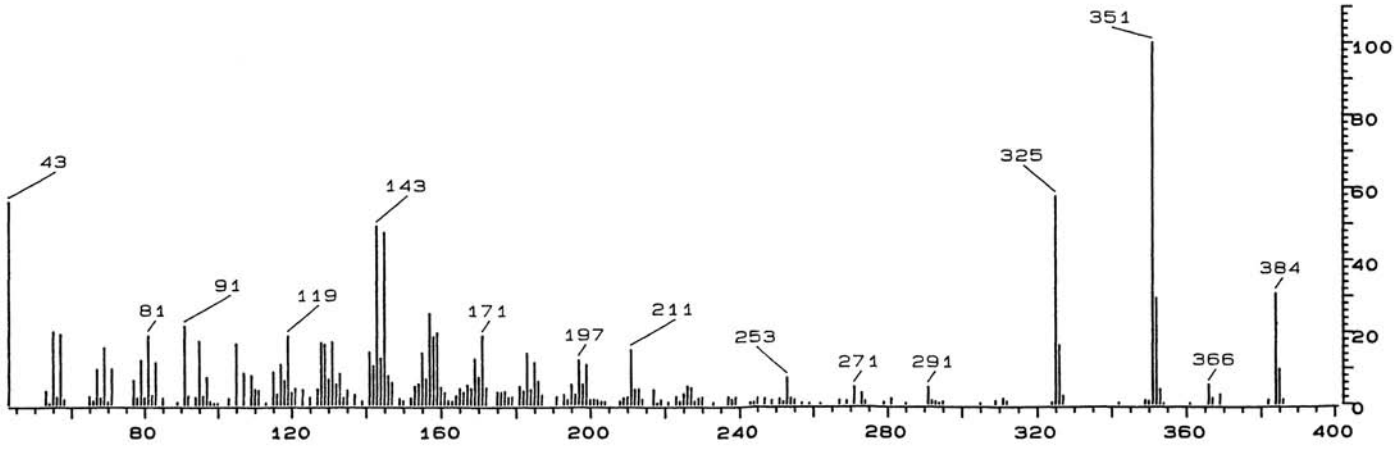
$C_{27}H_{44}O$

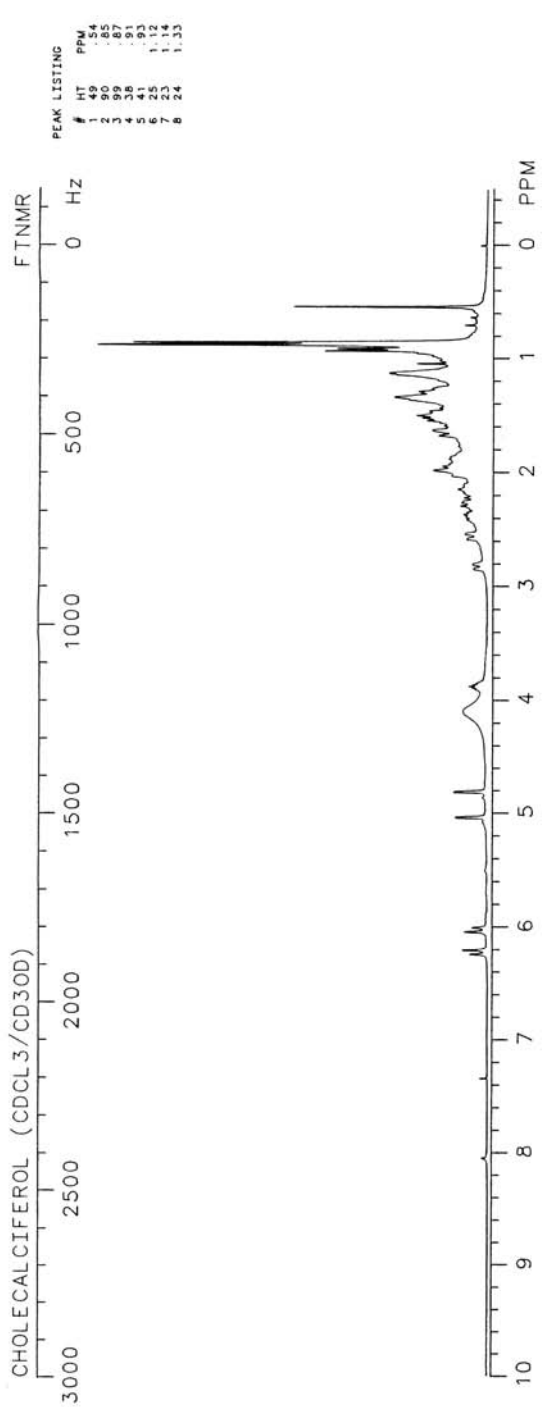
Molecular weight: 384.62 (384.34)
Synonyms: 9,10-Secocholesta-5,7,10(19)-trien-3 -ol; Vitamin D_3;
oleovitamin D_3; colecalciferol
Trade names: Calel-D, Delsterol, Deparal, Duphafral D3, Ebivit, Provitina
NeoDohyFral D3, Ricketon, Trivitan, Vigantol, Vigorsan
Use: Vitamin
HPLC:
GC:

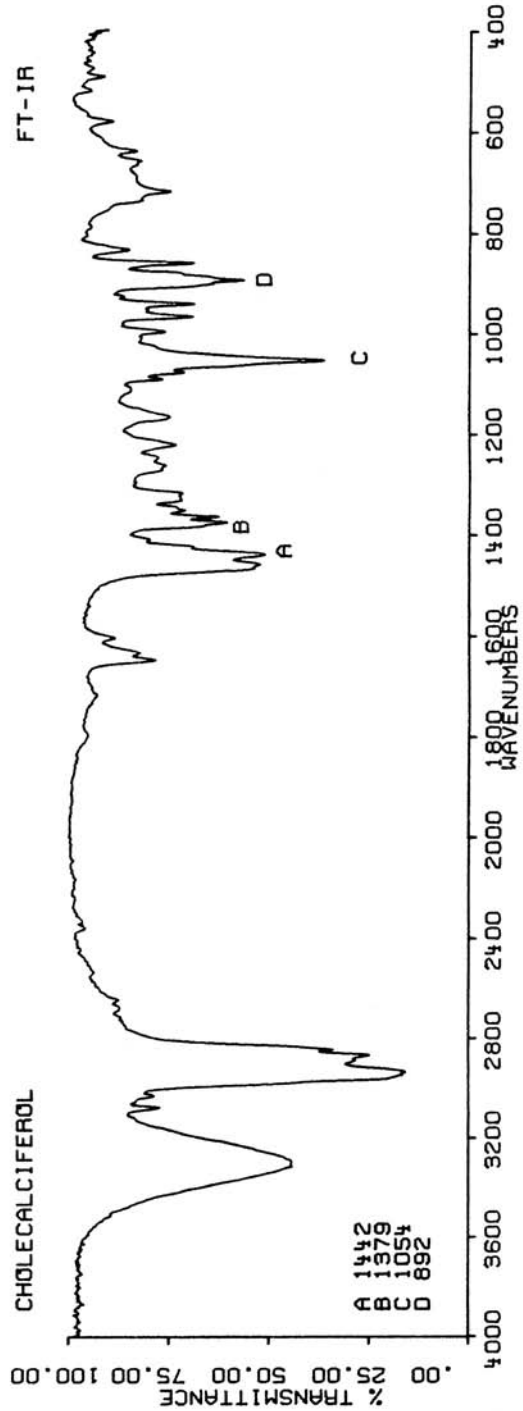




CHOLECALCIFEROL




CHOLECALCIFEROL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 49 .54
2 60 .85
3 99 .87
4 38 .91
5 41 .93
6 25 1.12
7 23 1.14
8 24 1.33
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CHOLECALCIFEROL
A 1442
B 1379
C 1054
D 892
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

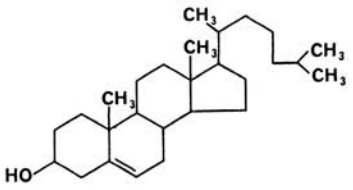
CHOLESTEROL

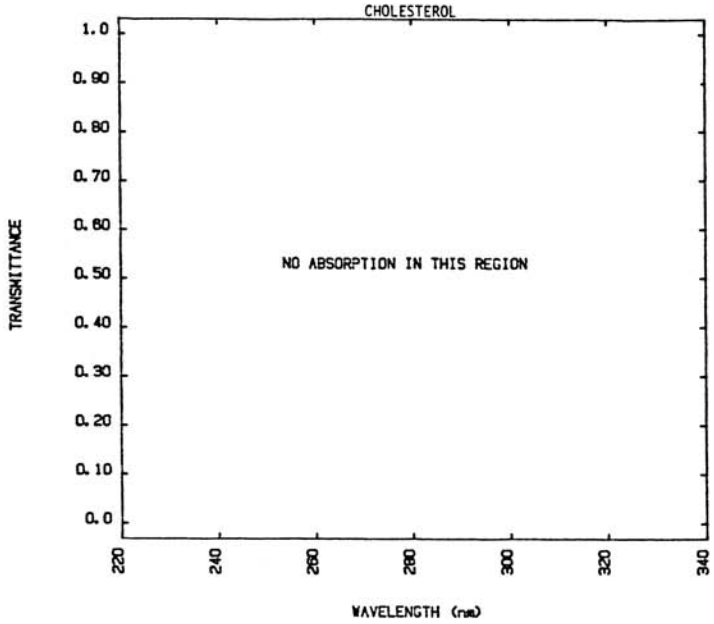
$C_{27}H_{46}O$

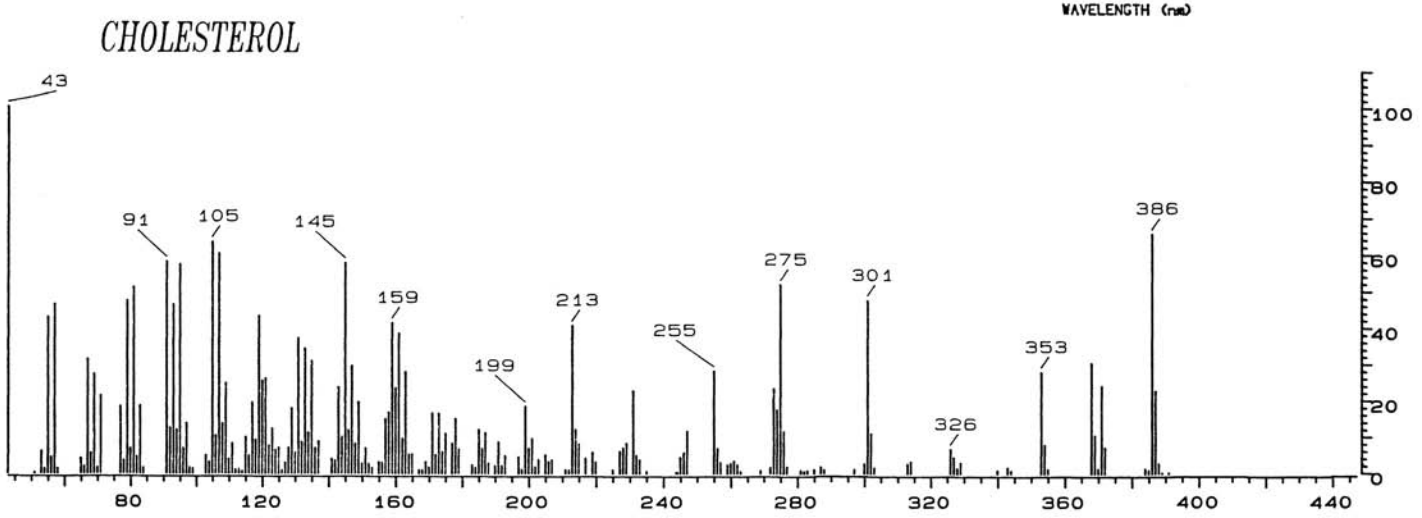
Molecular weight: 386.64 (386.36)
Synonyms: Cholest-5-en-3β-ol; cholesterin

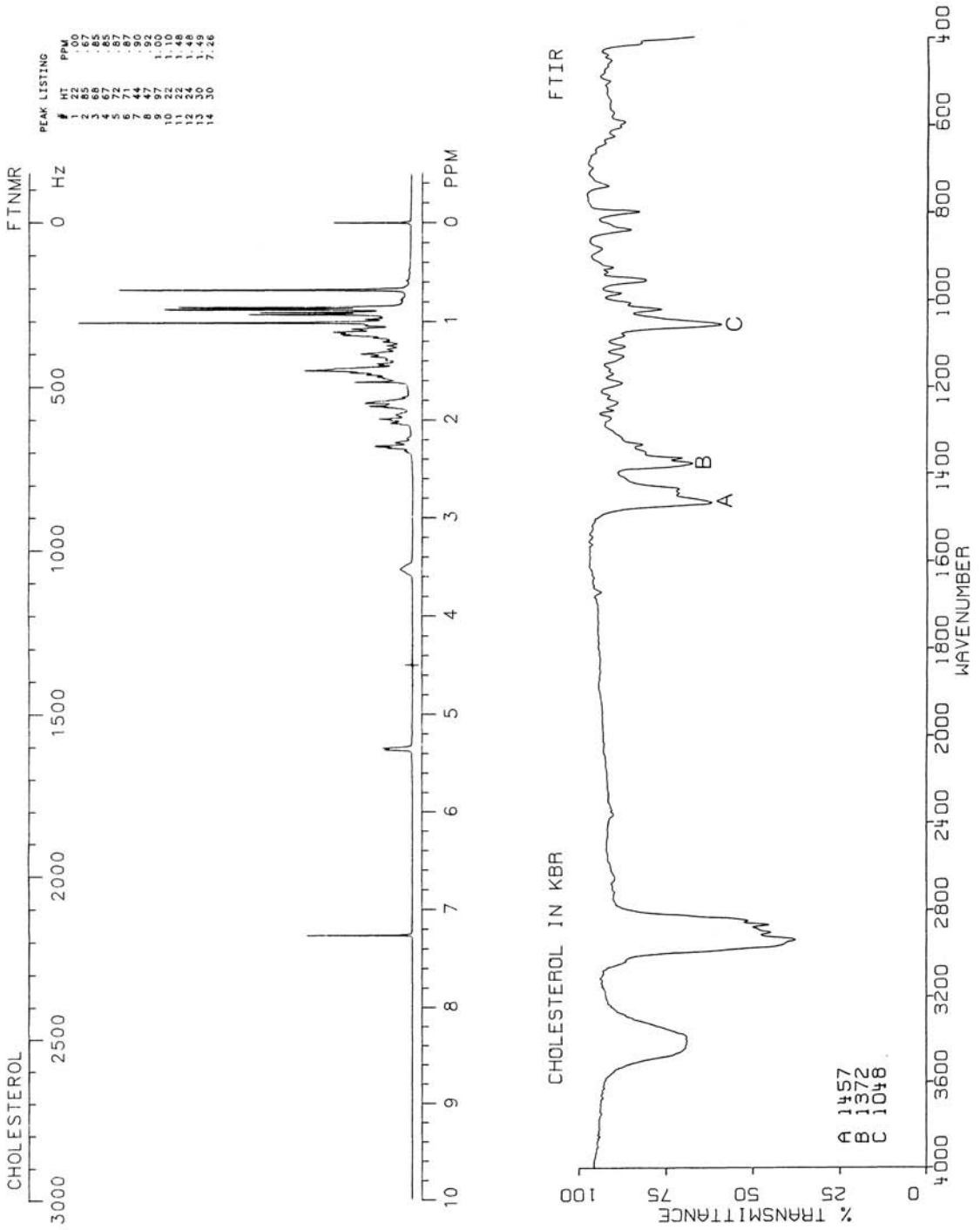
Trade names:

Use: Steroid
HPLC:
GC: 3074; 280°C





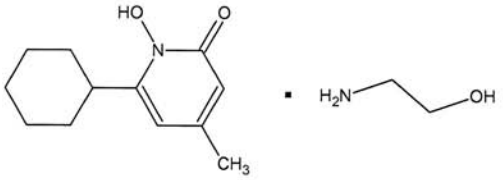


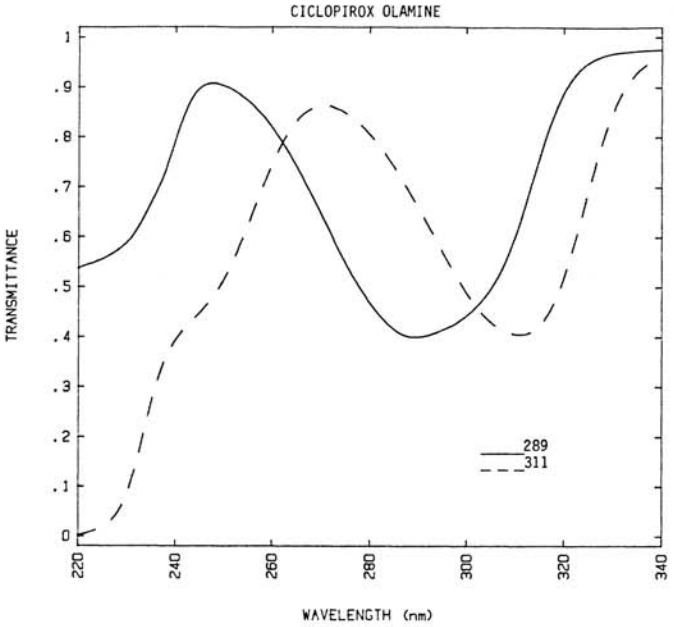

CHOLESTEROL
FTNMR
PEAK LISTING
HT PPM
1 22 .00
2 85 .67
3 68 .85
4 67 .85
5 72 .87
6 71 .87
7 44 .90
8 47 .92
9 97 1.00
10 22 1.10
11 24 1.48
12 24 1.48
13 30 1.49
14 30 7.26
0 Hz
500
1000
1500
2000
2500
3000
0 PPM
1
2
3
4
5
6
7
8
9
10
CHOLESTEROL IN KBR
FTIR
A 1457
B 1372
C 1048
A
B
C
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

CICLOPIROX OLAMINE

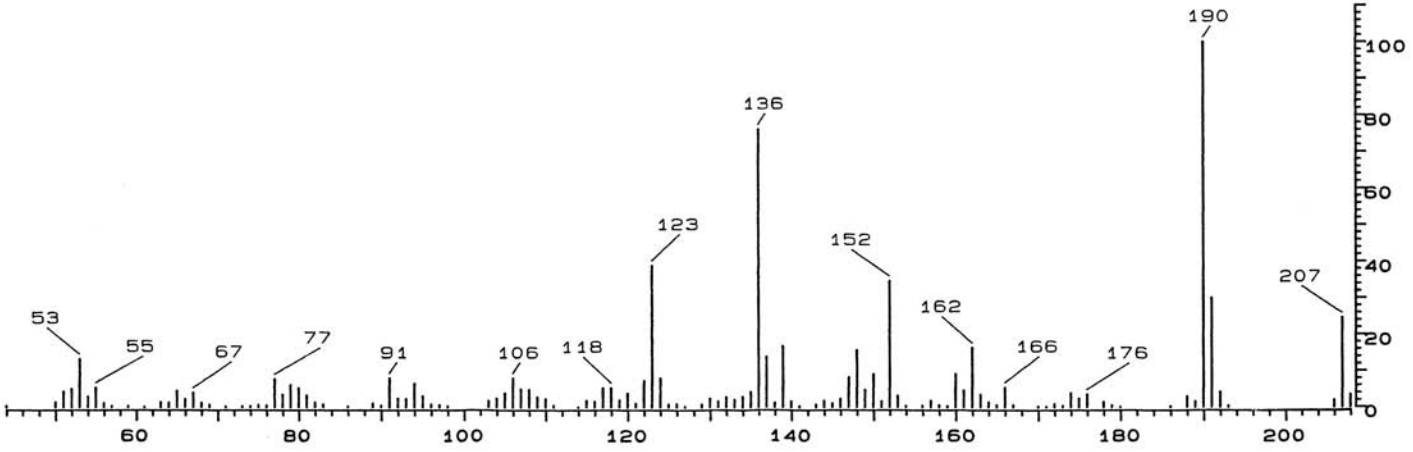
$C_{12}H_{17}NO_2.C_2H_7NO$

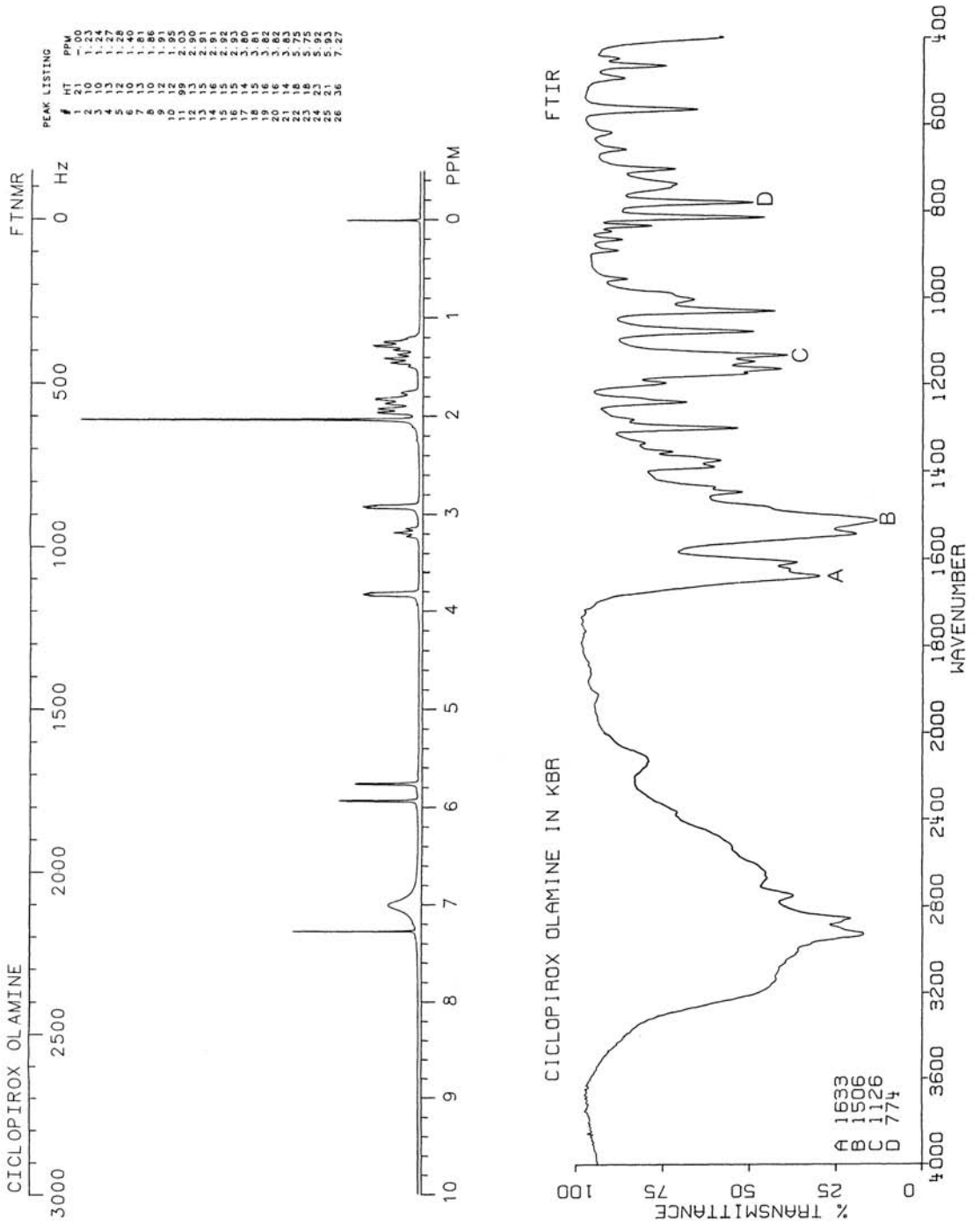
Molecular Weight: 268.35 (268.18)
Synonyms: 6-Cyclohexyl-1-hydroxy-4-methyl-2(1H)-pyridinone compound with 2-aminoethanol (1:1); ciclopirox ethanolamine salt
Trade names: Loprox
Use: Antifungal





CICLOPIROX



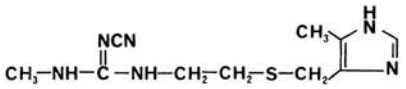

CICLOPIROX OLAMINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 21 7.00
2 10 1.23
3 10 1.24
4 13 1.27
5 12 1.28
6 10 1.40
7 13 1.81
8 10 1.86
9 12 1.89
10 12 1.95
11 99 2.03
12 13 2.90
13 15 2.91
14 16 2.91
15 15 2.92
16 15 2.93
17 14 3.80
18 15 3.81
19 16 3.82
20 16 3.82
21 14 3.93
22 16 5.75
23 18 5.92
24 23 5.93
25 21 7.27
26 36
CICLOPIROX OLAMINE IN KBR
FTIR
A 1633
B 1506
C 1126
D 774
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D

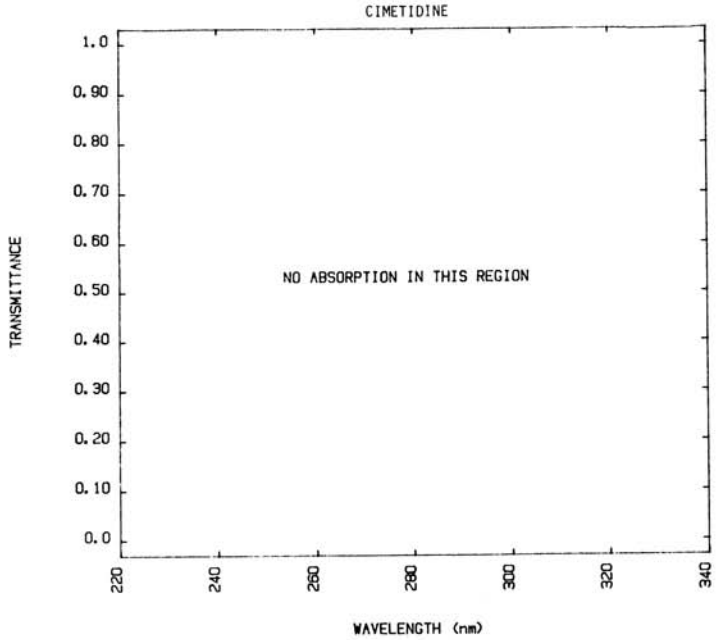
CIMETIDINE

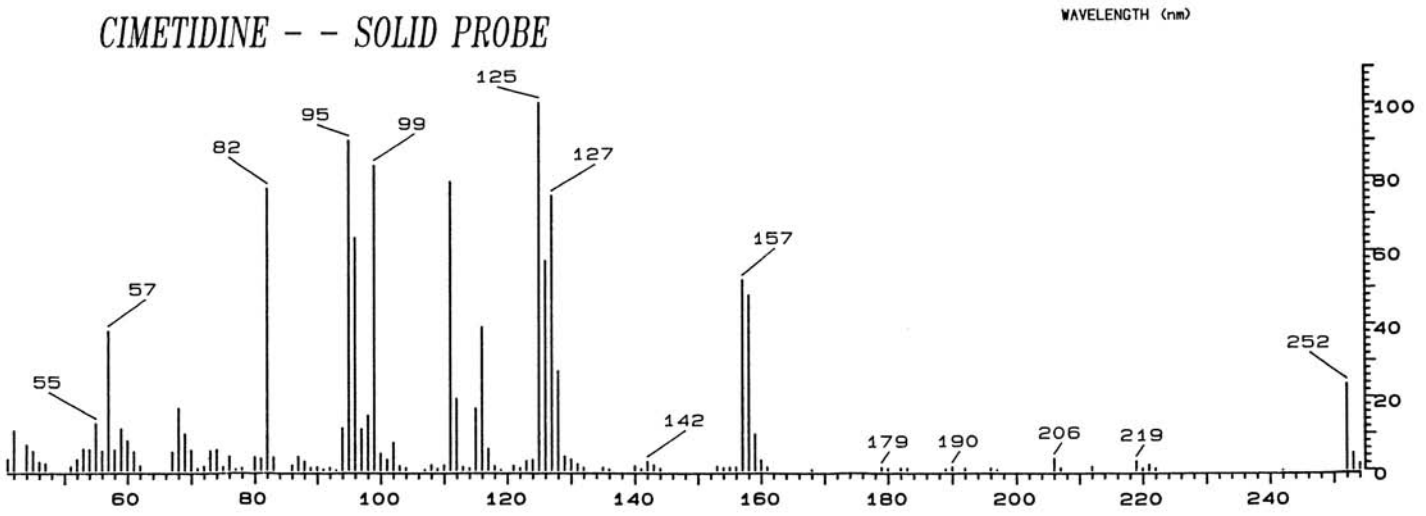
$C_{10}H_{16}N_6S$

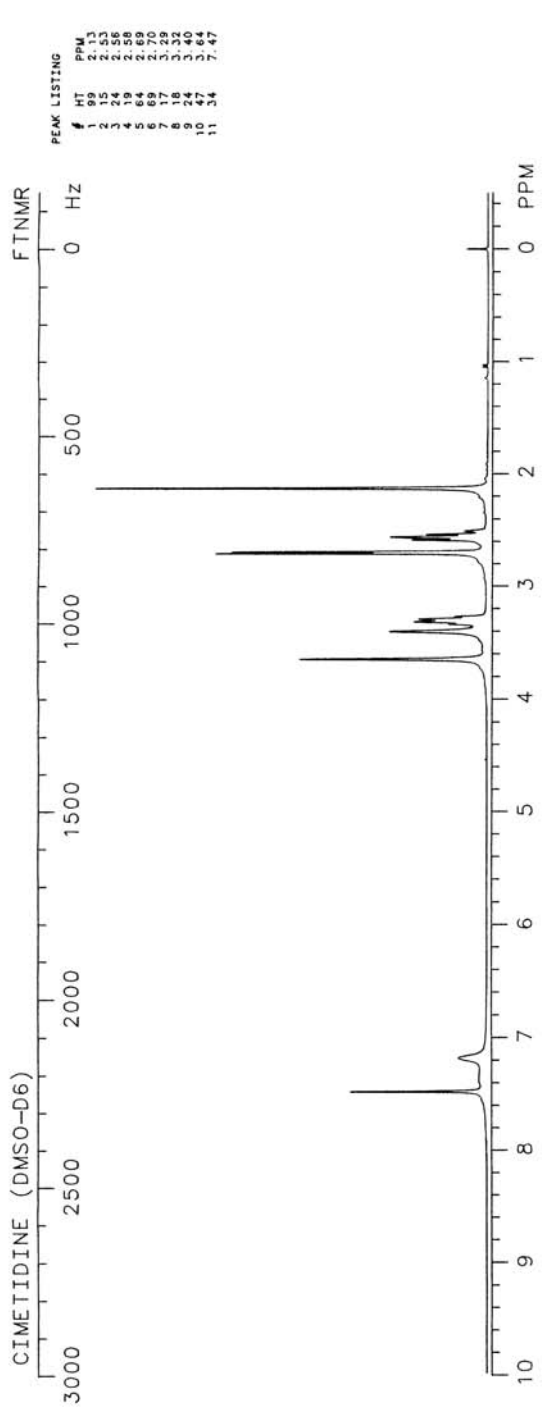
Molecular weight: 252.34 (252.12)
Synonyms: N-Cyano-N'-methyl-N''-[2-[[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]guanidine
Trade names: Tegamet

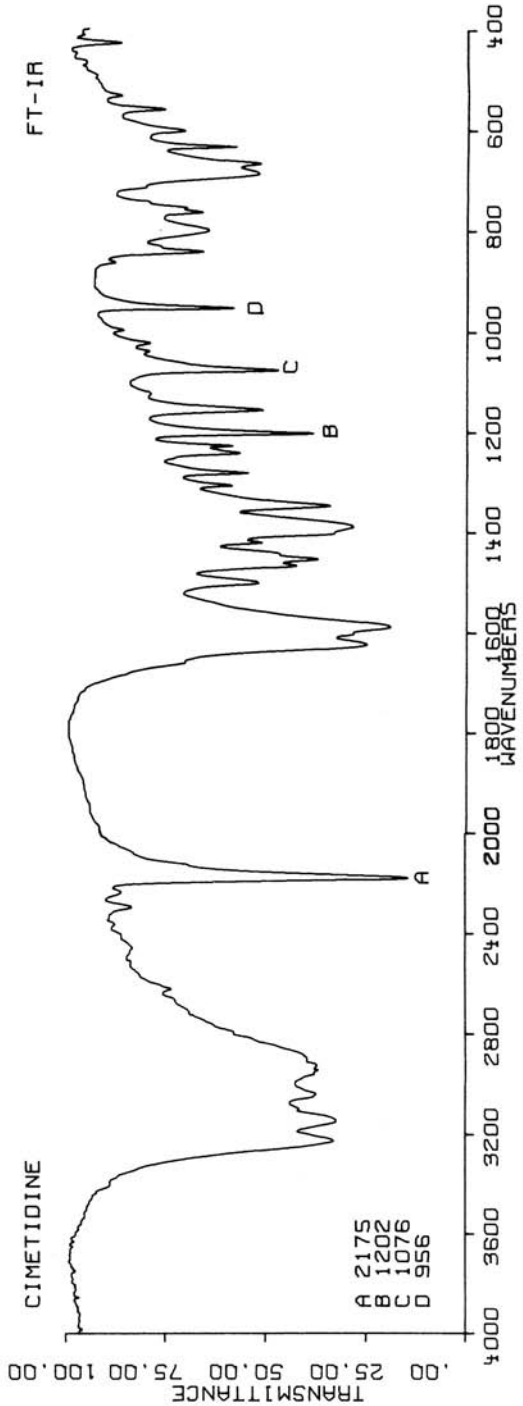
Use: Antagonist
HPLC: Si-10; 20A:80B; 6.0
GC:








CIMETIDINE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 69 2.13
2 15 2.51
3 24 2.56
4 19 2.58
5 64 2.69
6 69 2.70
7 17 3.29
8 18 3.32
9 24 3.40
10 47 3.64
11 34 7.47


FT-IR
CIMETIDINE
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 2175
B 1202
C 1076
D 956
A
B
C
D

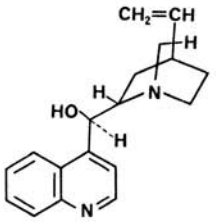
CINCHONIDINE

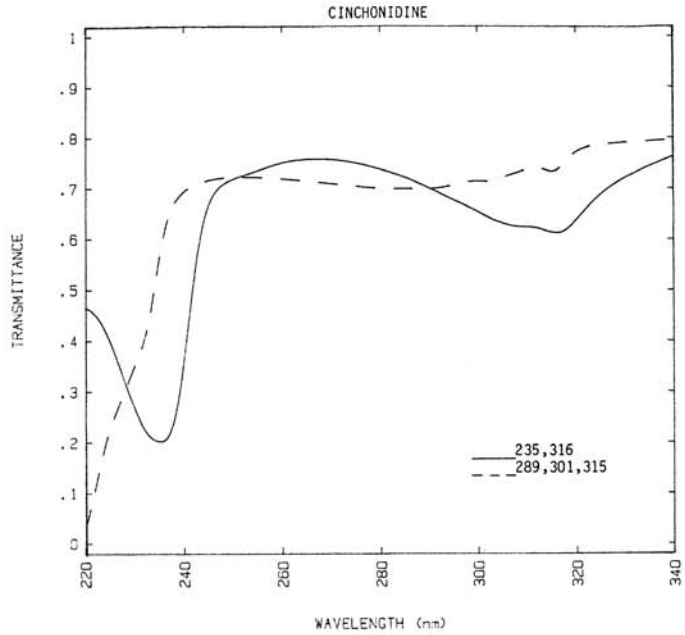
$C_{19}H_{22}N_2O$

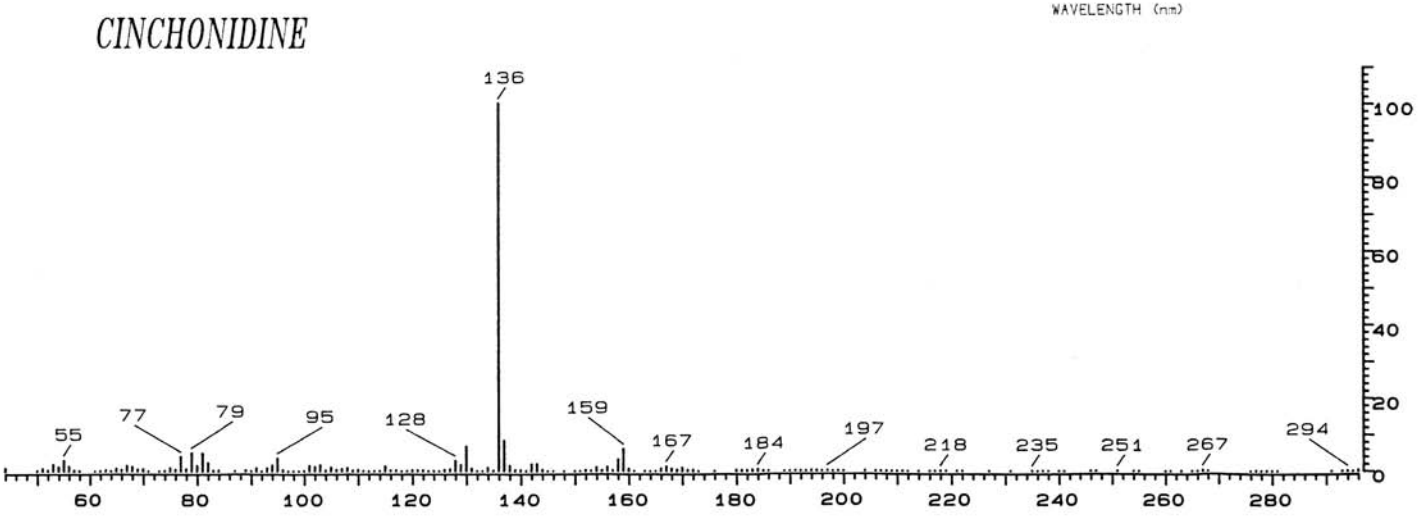
Molecular weight: 294.38 (294.17)
Synonyms: (8α,9R)-Cinchonan-9-ol; cinchovatine; α-quinidine

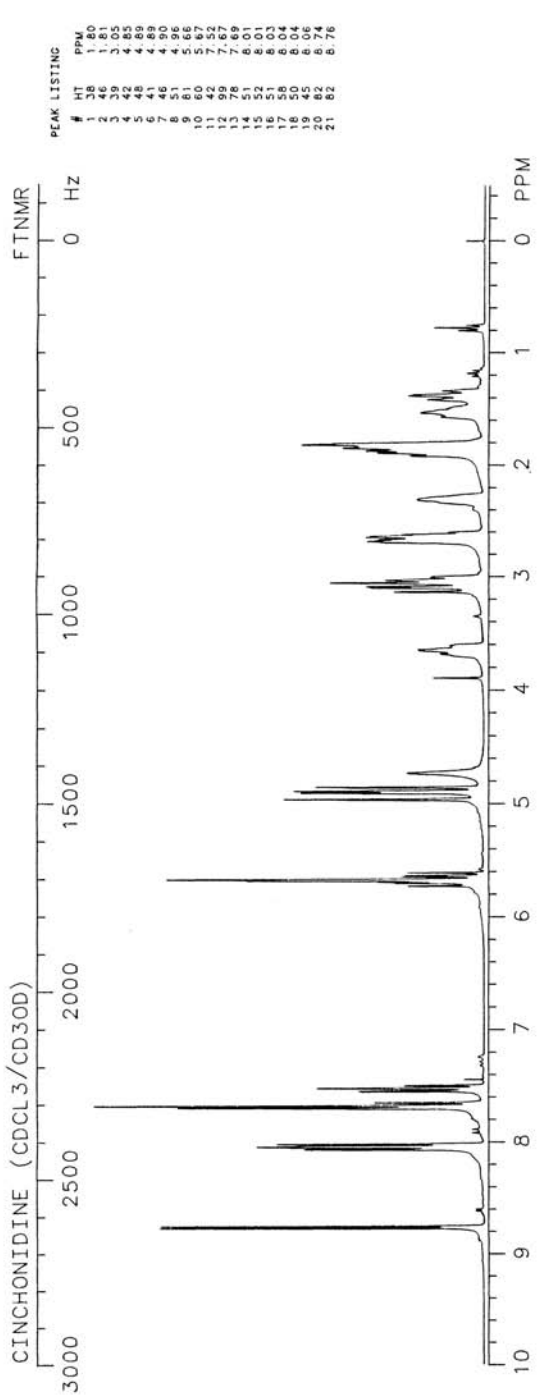
Trade names:

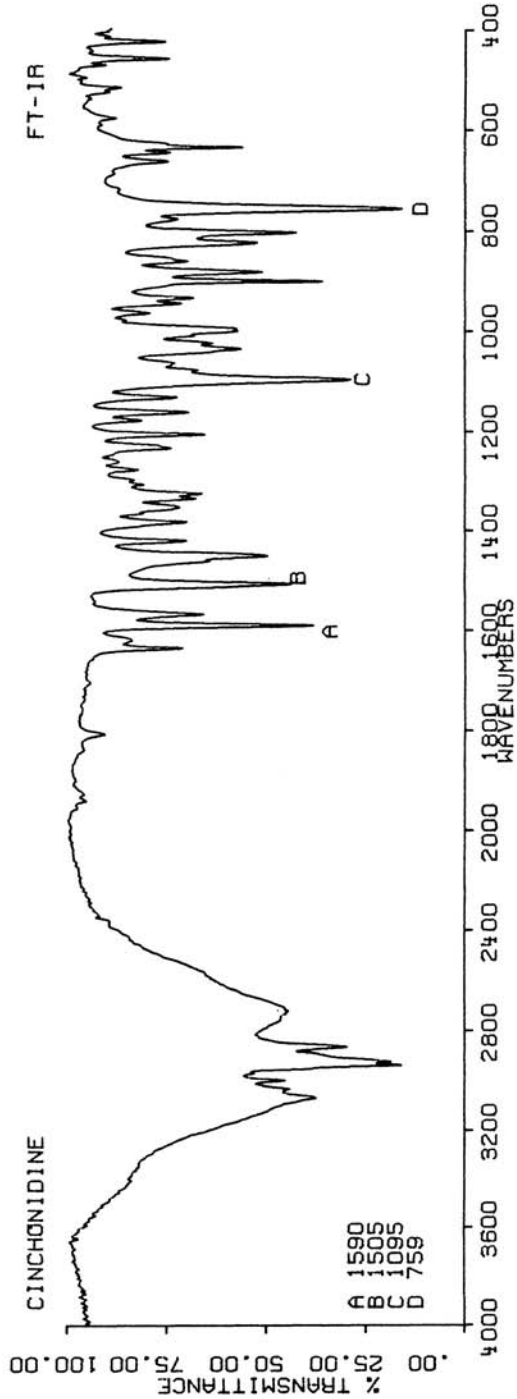
Use: Antimalarial
HPLC: Si-10; 20A:80B; 6.0
GC: 2684; 280°C








CINCHONIDINE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 38 1.80
2 46 1.81
3 39 3.05
4 42 4.85
5 48 4.89
6 41 4.89
7 46 4.90
8 51 4.96
9 81 5.66
10 60 5.67
11 42 7.53
12 99 7.67
13 78 7.69
14 51 8.01
15 52 8.01
16 51 8.03
17 58 8.04
18 50 8.04
19 45 8.06
20 82 8.74
21 82 8.76


FT-IR
CINCHONIDINE
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1590
B 1505
C 1095
D 759
A
B
C
D

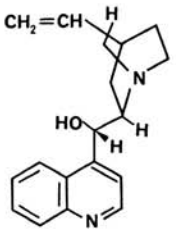
CINCHONINE

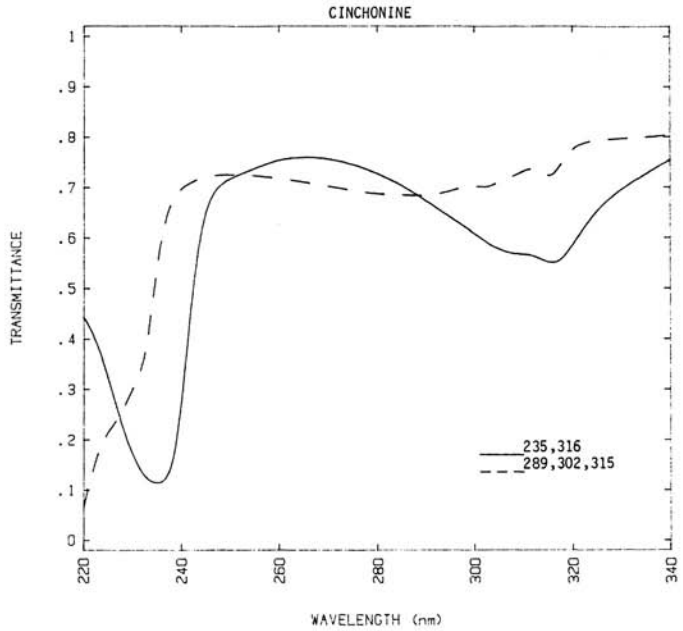
$C_{19}H_{22}N_2O$

Molecular weight: 294.38 (294.17)
Synonyms: (9S)-Cinchonan-9-ol

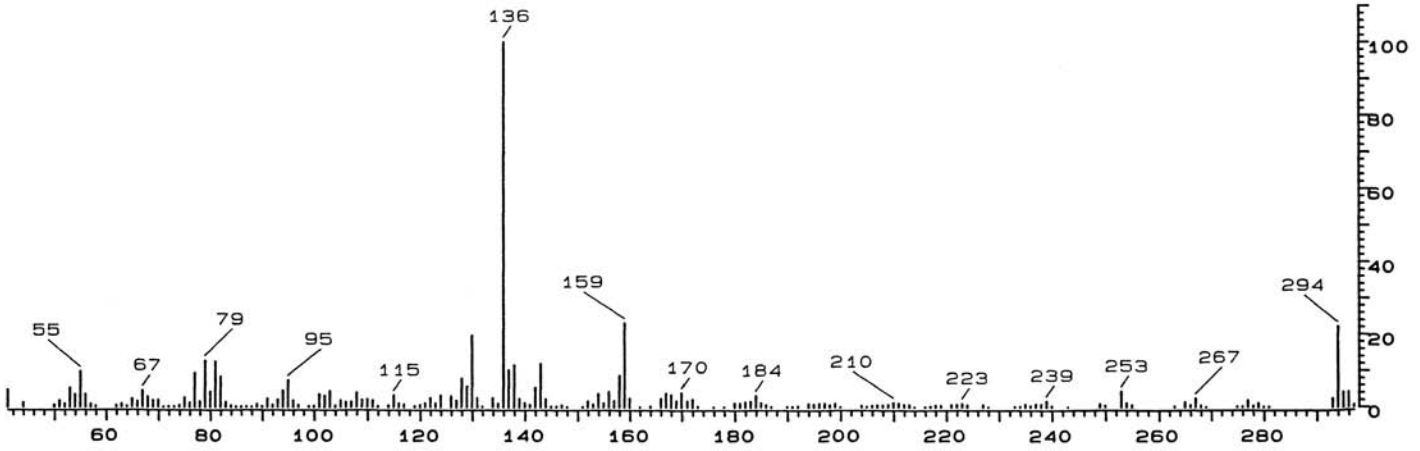
Trade names:

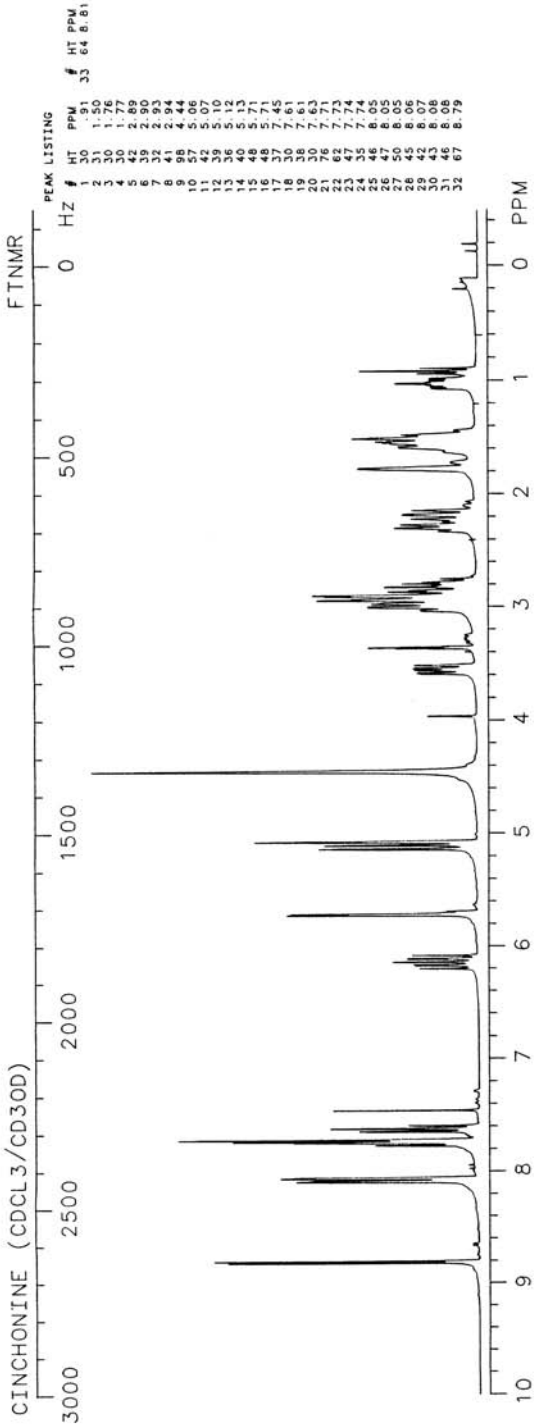
Use: Antimalarial
HPLC: Si-10; 20A:80B; 8.4
GC: 2624; 280°C

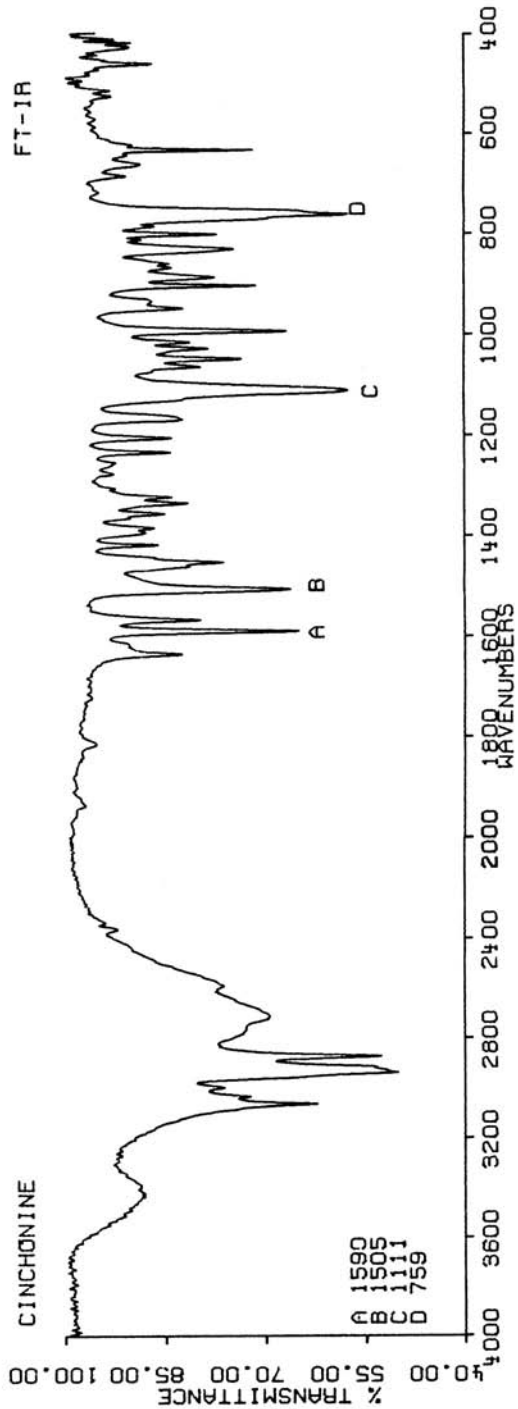




CINCHONINE




FTNMR
CINCHONINE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 30 1.91
2 31 1.50
3 30 1.76
4 30 1.77
5 42 2.89
6 39 2.90
7 32 2.93
8 41 2.94
9 98 4.44
10 57 5.06
11 42 5.07
12 39 5.10
13 36 5.12
14 40 5.13
15 48 5.71
16 57 7.45
17 37 7.61
18 30 7.61
19 38 7.61
20 30 7.63
21 76 7.71
22 62 7.73
23 47 7.74
24 35 7.74
25 46 8.05
26 47 8.05
27 50 8.05
28 45 8.06
29 42 8.07
30 43 8.08
31 46 8.08
32 67 8.79
HT PPM
33 64 8.81
Hz
PPM

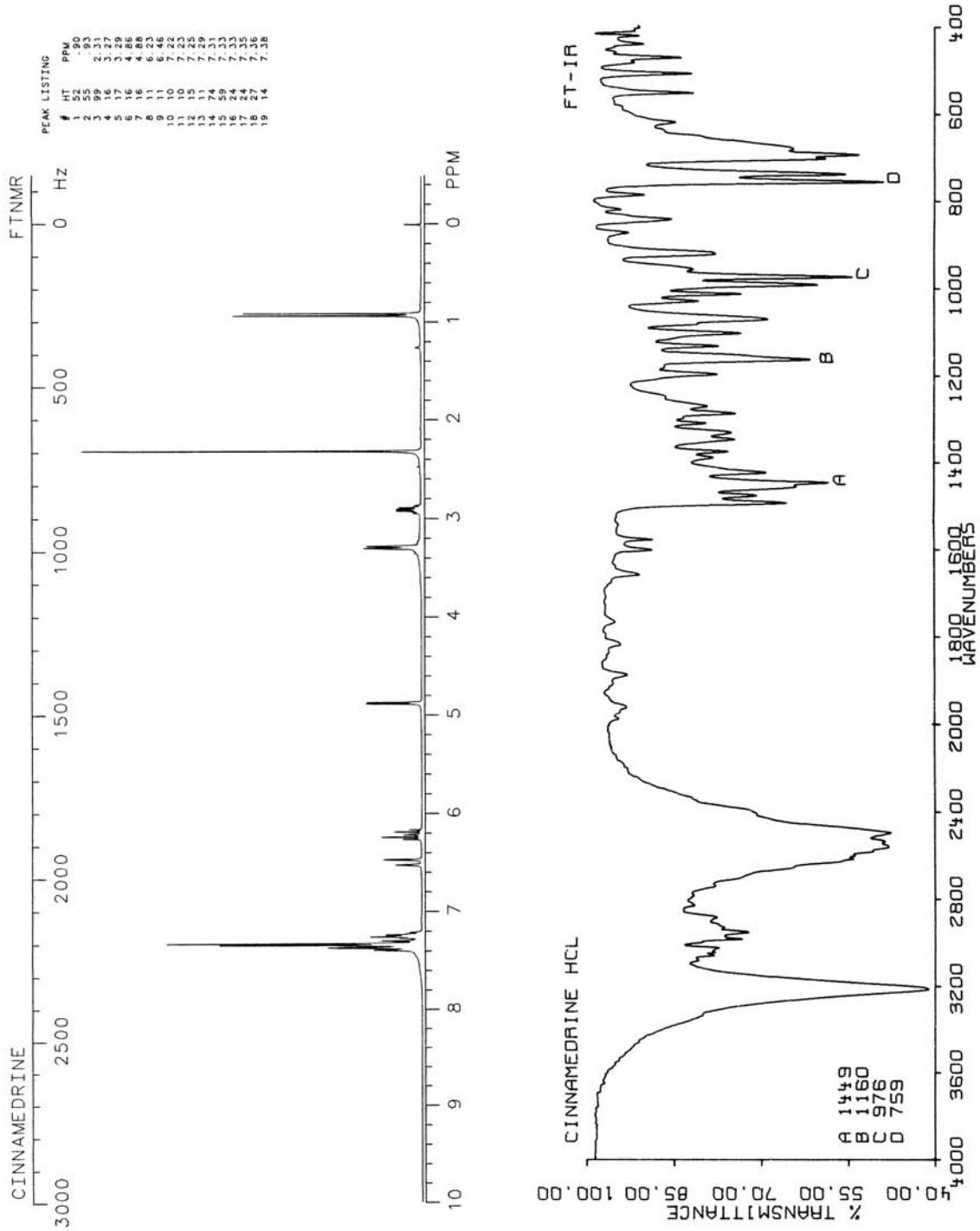

FT-IR
CINCHONINE
A 1590
B 1505
C 1111
D 759
A
B
C
D
% TRANSMITTANCE
WAVENUMBERS

CINNAMEDRINE

$C_{19}H_{23}NO$

Molecular weight: 281.40 (281.18)
Synonyms: α-[1-[Methyl(3-phenyl-2-propenyl)amino]ethyl]-benzenemethanol
Trade names: Midol

Use: Smooth muscle relaxant
HPLC: Si-10; 2A:98B; 7.0
GC: 2354; 250°C

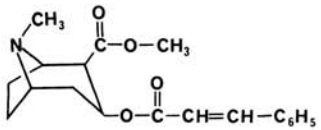

CINNAMEDRINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 52 .90
2 55 1.33
3 99 2.31
4 16 3.27
5 17 3.29
6 16 4.86
7 16 4.88
8 11 6.23
9 11 6.46
10 10 7.22
11 10 7.23
12 15 7.25
13 11 7.29
14 74 7.31
15 59 7.33
16 24 7.35
17 27 7.36
18 27 7.36
19 14 7.38
CINNAMEDRINE HCL
FT-IR
A 1449
B 1160
C 976
D 759
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

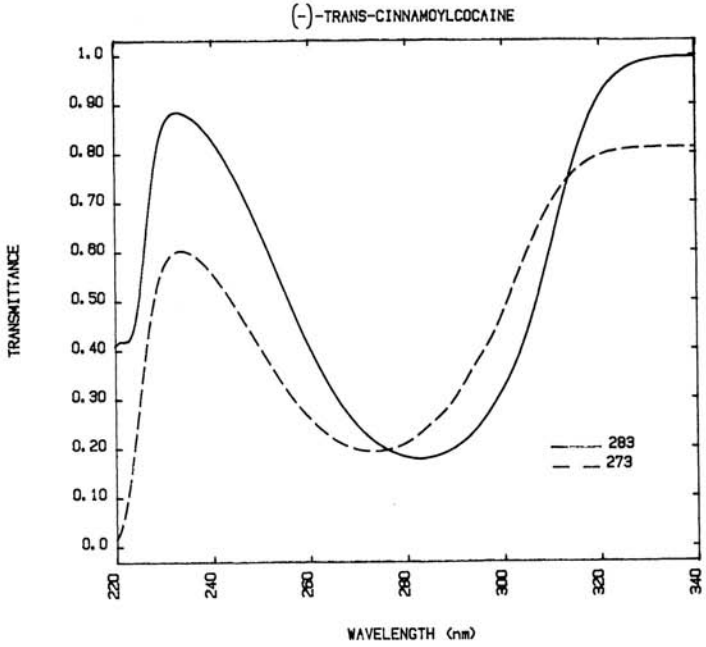
(−)-TRANS-CINNAMOYLCOCAINE

$C_{19}H_{23}NO_4$

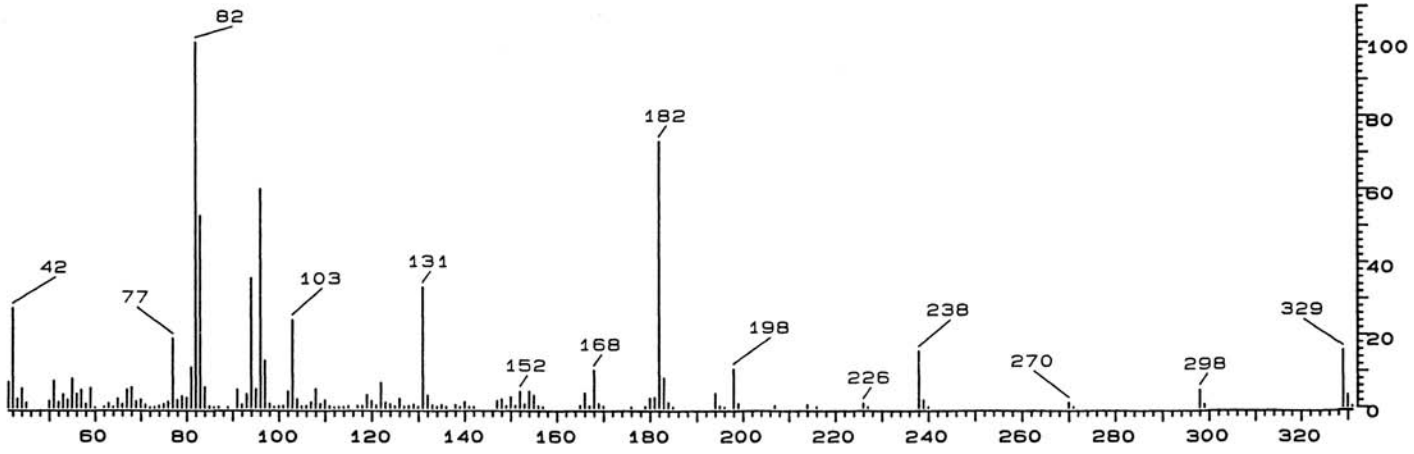
Molecular weight: 329.40 (329.16)
Synonyms: (E)-[1R-(exo,exo)]-8-Methyl-3-[(1-oxo-3-phenyl-2-propenyl)oxy]-8-azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester; cinnamoylmethylecgonine
Trade names:

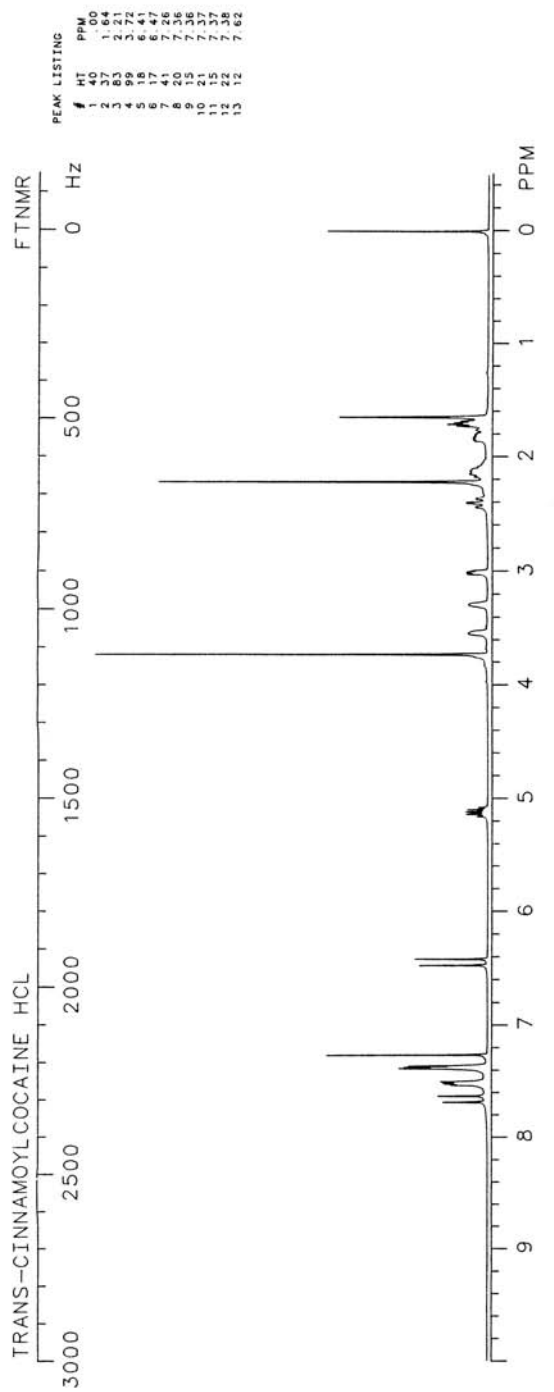
Use:
HPLC: Si-10; 2A:98B; 4.5
GC: 2548; 250°C

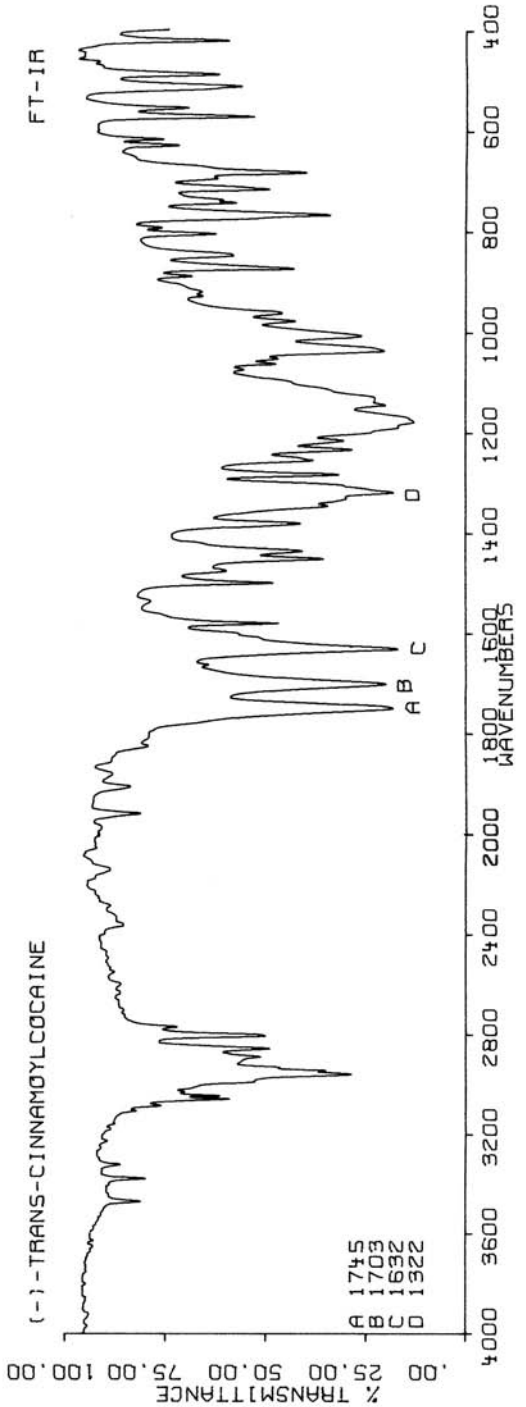




CINNAMOYLCOCAINE



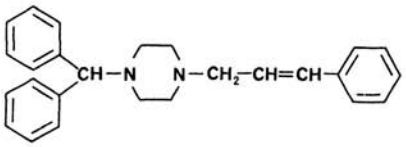

TRANS-CINNAMOYLCOCAINE HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 40 1.00
2 37 1.64
3 83 2.21
4 99 3.72
5 18 6.41
6 17 6.47
7 41 7.26
8 20 7.36
9 15 7.37
10 21 7.37
11 15 7.38
12 22 7.62
13 12 7.62

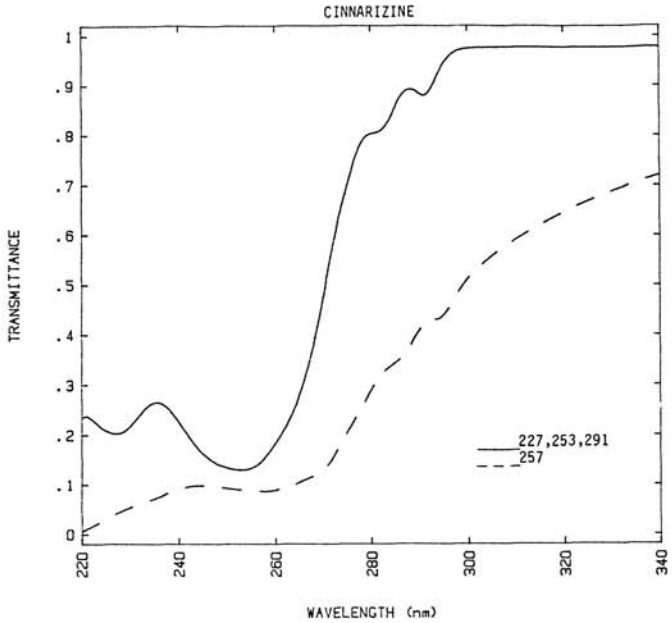

(-)-TRANS-CINNAMOYLCOCAINE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1745
B 1703
C 1632
D 1322

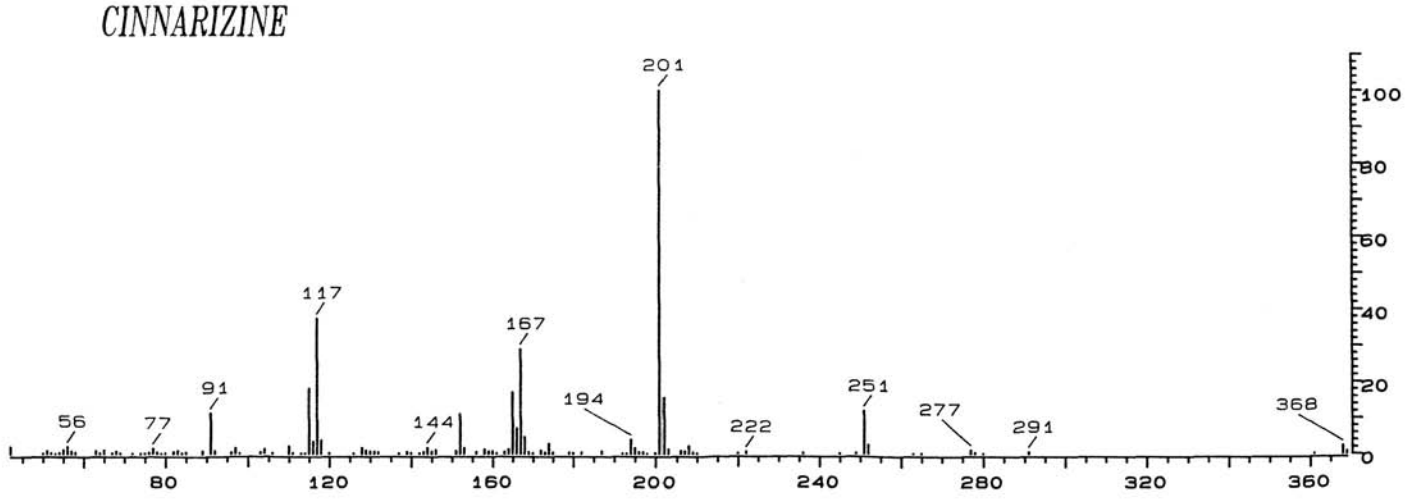
CINNARIZINE

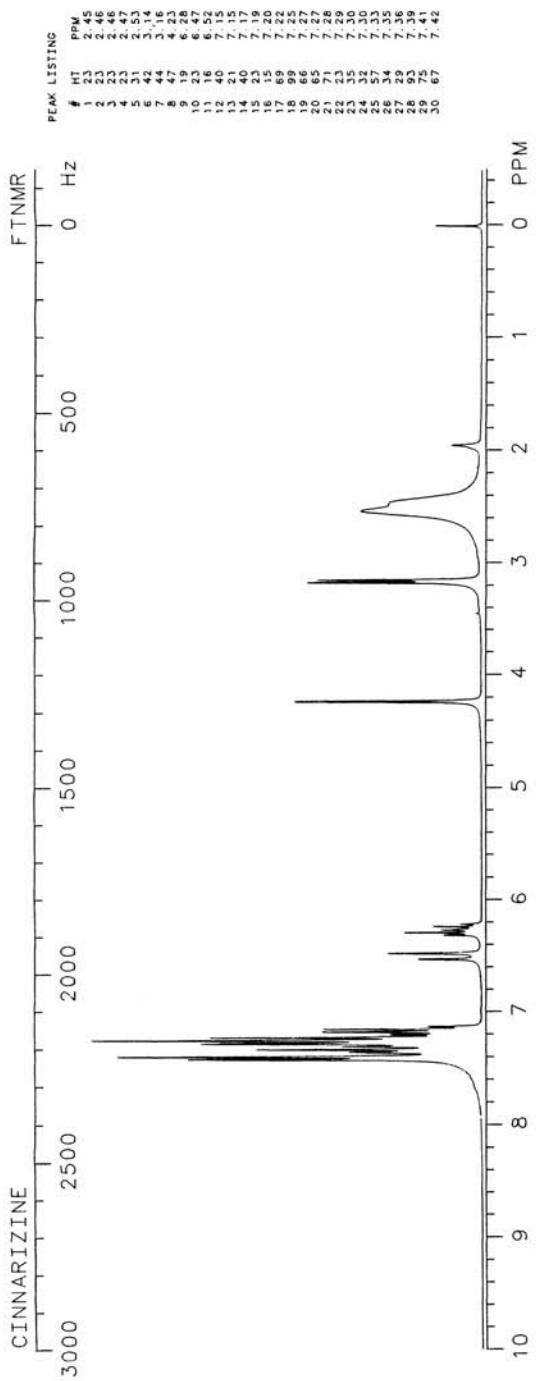
$C_{26}H_{28}N_2$

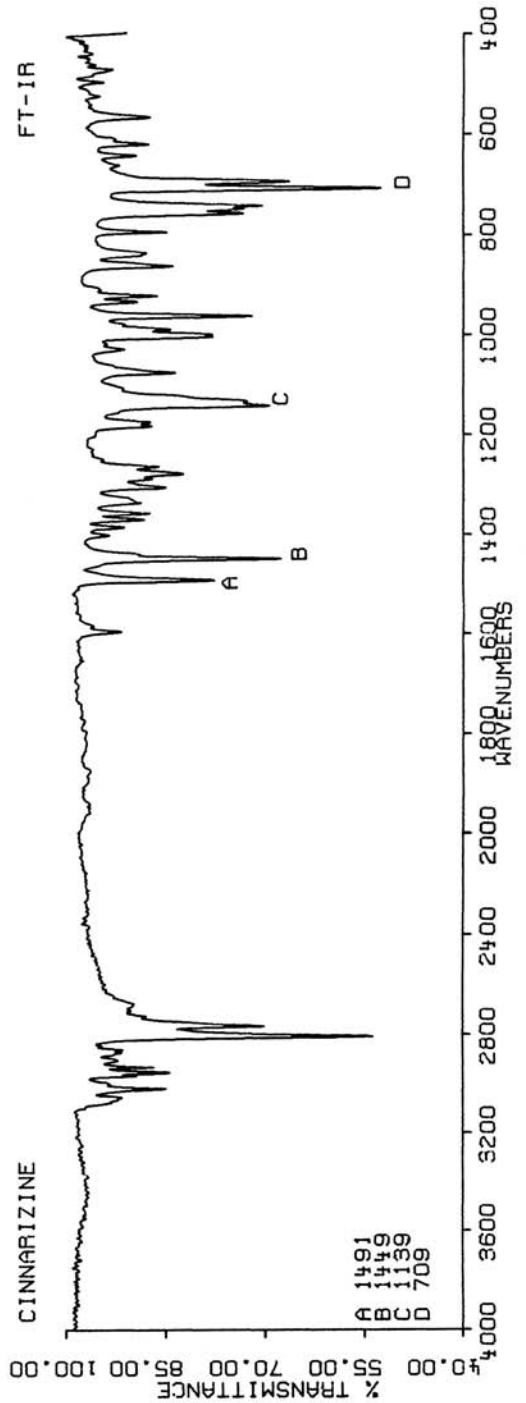
Molecular weight: 368.50 (368.23)
Synonyms: 1-(Diphenylmethyl)-4-(3-phenyl-2-propenyl)piperazine; cinnipirine
Trade names: Cerepar, Cinnacet, Emesazine, Glanil, Giganten, Stutgeron, Dimitron, Labyrin, Midronal, Mitronal, Sepan, Folcocal, Stutgin, Toliman
Use: Antihistaminic
HPLC: Si-10; 1A:99B; 4.0
GC: 3129; 280°C








FTNMR
CINNARIZINE
PEAK LISTING
HT PPM
1 23 2.45
2 23 2.46
3 23 2.46
4 23 2.47
5 31 2.53
6 42 3.14
7 44 3.16
8 47 4.23
9 19 6.28
10 23 6.47
11 16 6.52
12 40 7.15
13 21 7.15
14 40 7.17
15 25 7.19
16 15 7.20
17 69 7.22
18 99 7.25
19 66 7.27
20 65 7.27
21 71 7.28
22 33 7.29
23 55 7.30
24 32 7.33
25 57 7.33
26 34 7.35
27 29 7.36
28 93 7.39
29 75 7.41
30 67 7.42
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

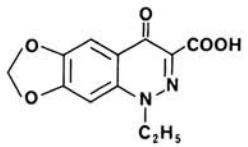

FT-IR
CINNARIZINE
A 1491
B 1449
C 1139
D 709
A
B
C
D
% TRANSMITTANCE
0.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

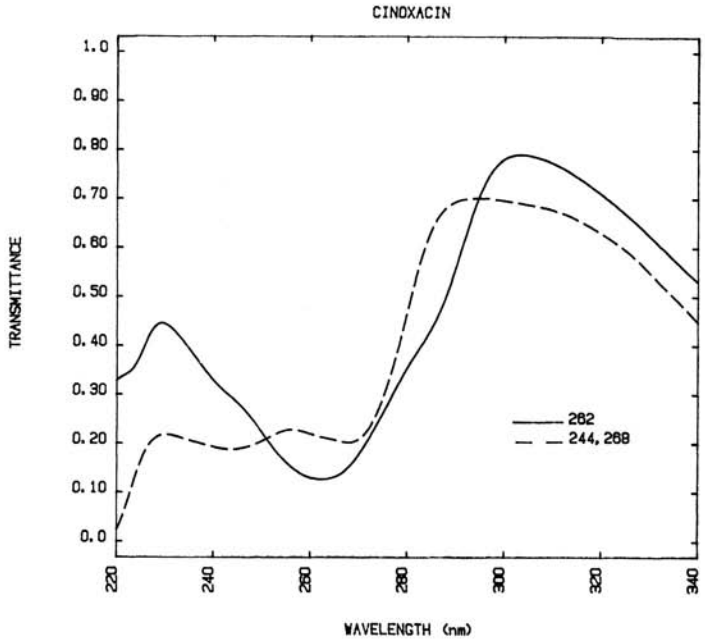
CINOXACIN

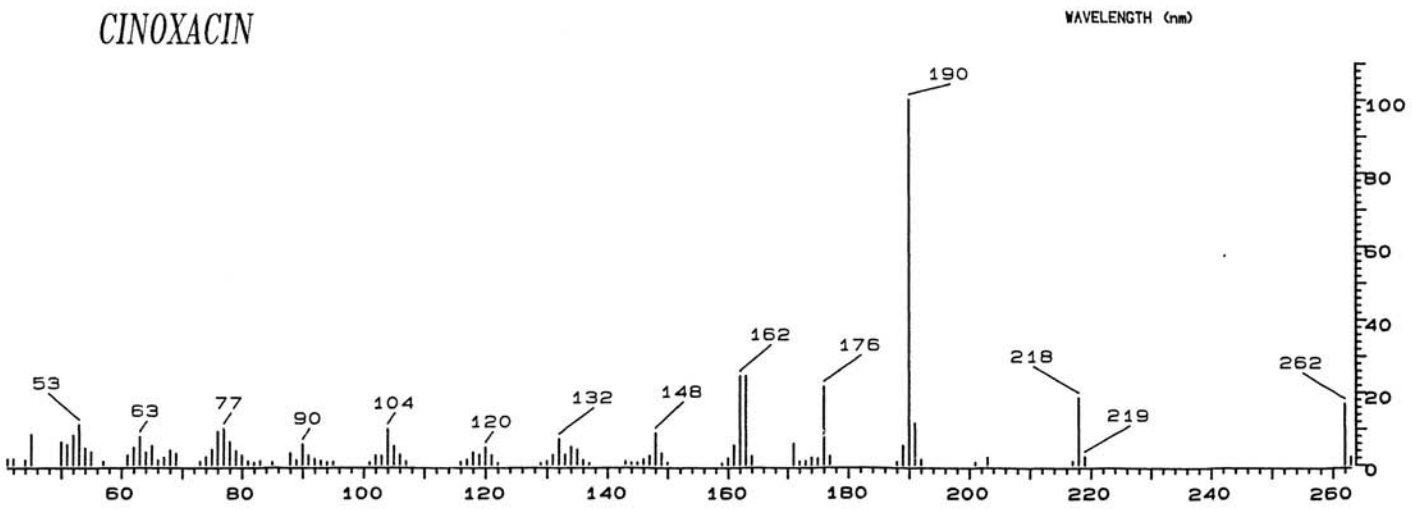
$C_{12}H_{10}N_2O_5$

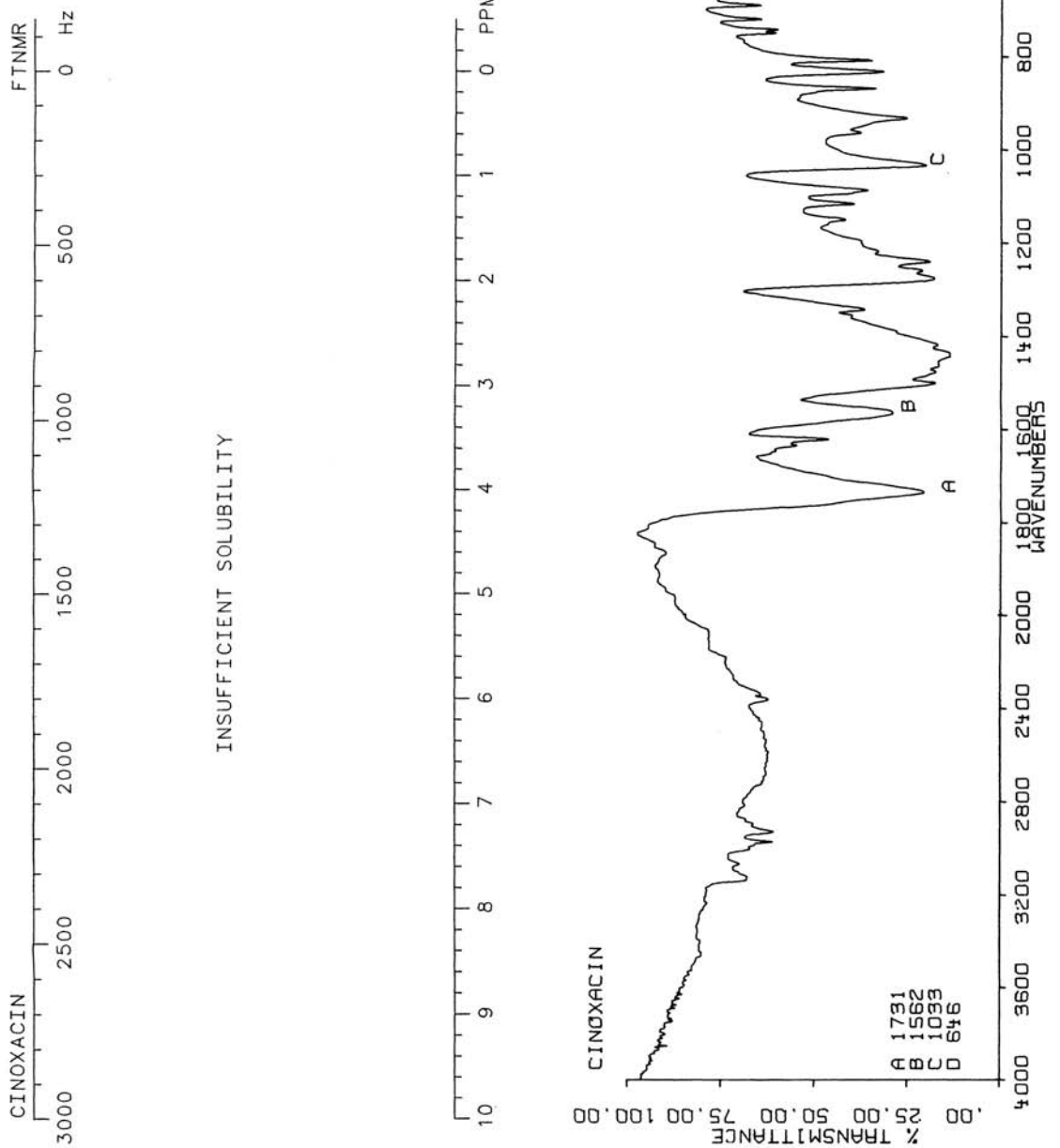
Molecular weight: 262.22 (262.06)
Synonyms: 1-Ethyl-1,4-dihydro-4-oxo-[1,3]-dioxolo-[4,5-g]-cinnoline-3-carboxylic acid
Trade names: Cinobac

Use: Antimicrobial agent
HPLC: Si-10; 20A:80B; 3.7
GC:








CINOXACIN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
CINOXACIN
FT-IR
A 1731
B 1562
C 1033
D 646
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

CINROMIDE

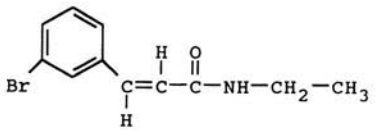
$C_{11}H_{12}BrNO$

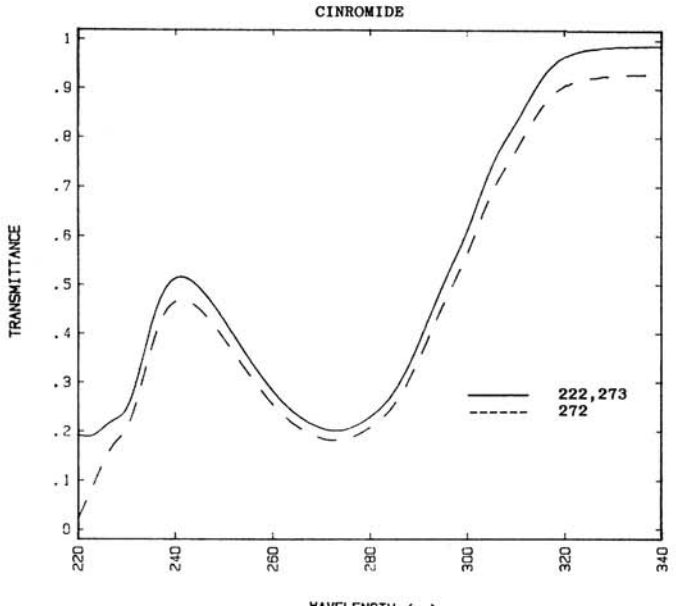
Molecular weight: 254.12 (253.01)

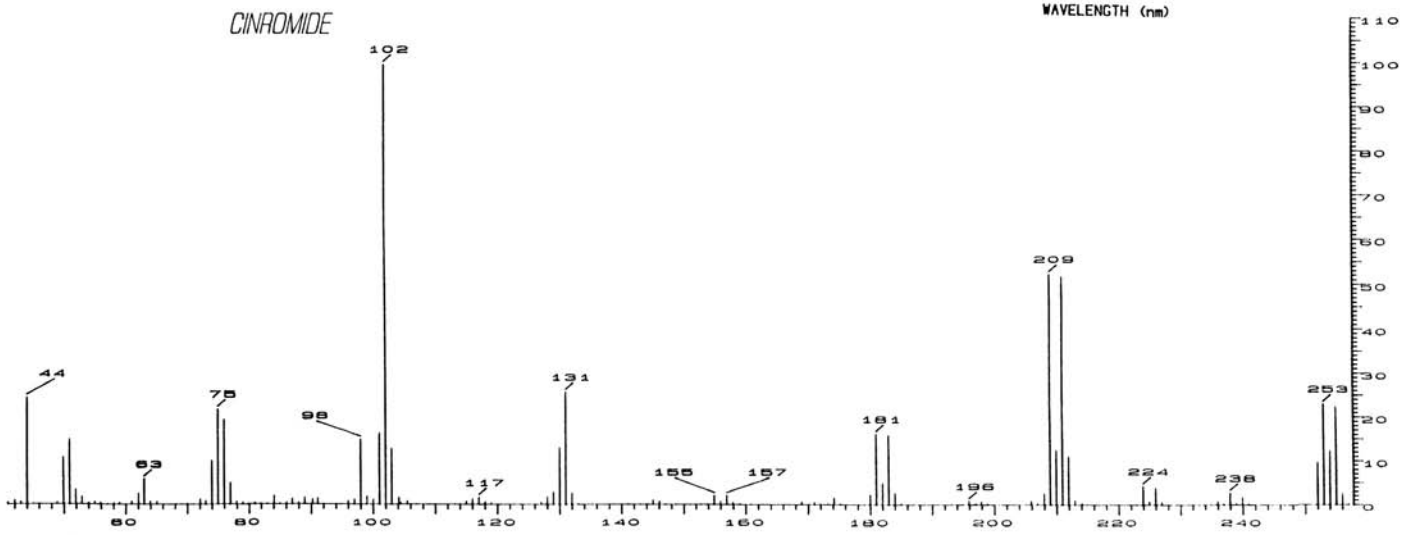
Synonyms: (E)-3-(3-Bromophenyl)-N-ethyl-2-propenamide

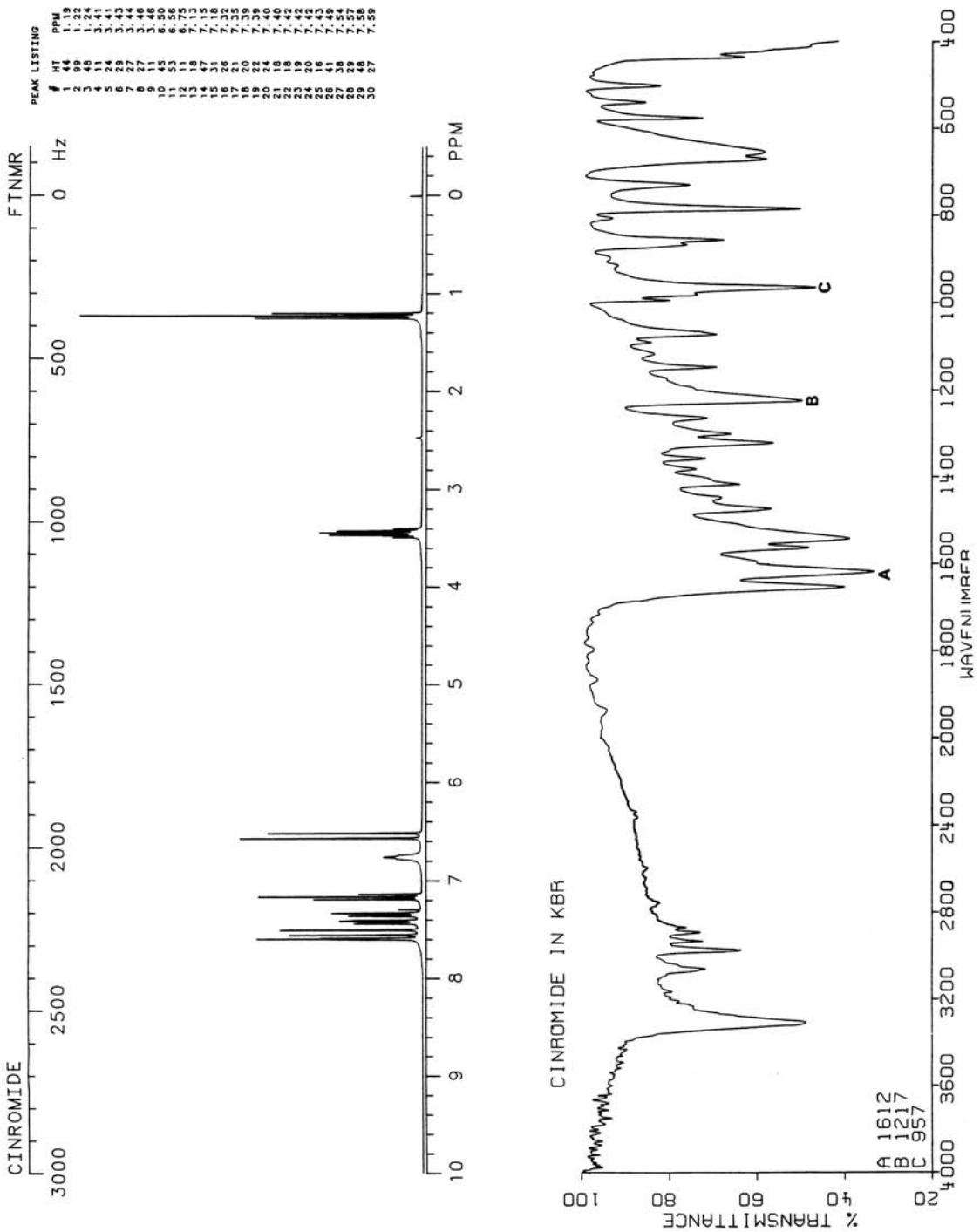
Trade names: Vumide

Use: Anticonvulsant
HPLC: 90:10; 3.3
GC: 2073; 250°








CINROMIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 44 1.19
2 49 1.22
3 46 1.24
4 11 1.41
5 24 3.41
6 29 3.43
7 27 3.44
8 27 3.46
9 11 3.48
10 45 6.50
11 53 6.56
12 11 6.75
13 18 7.13
14 47 7.15
15 31 7.18
16 26 7.32
17 20 7.35
18 21 7.39
19 22 7.39
20 24 7.40
21 18 7.40
22 18 7.42
23 19 7.42
24 20 7.43
25 16 7.45
26 41 7.49
27 38 7.54
28 29 7.57
29 48 7.58
30 27 7.59
CINROMIDE IN KBR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1612
B 1217
C 957
A
B
C

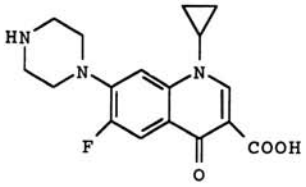
CIPROFLOXACIN

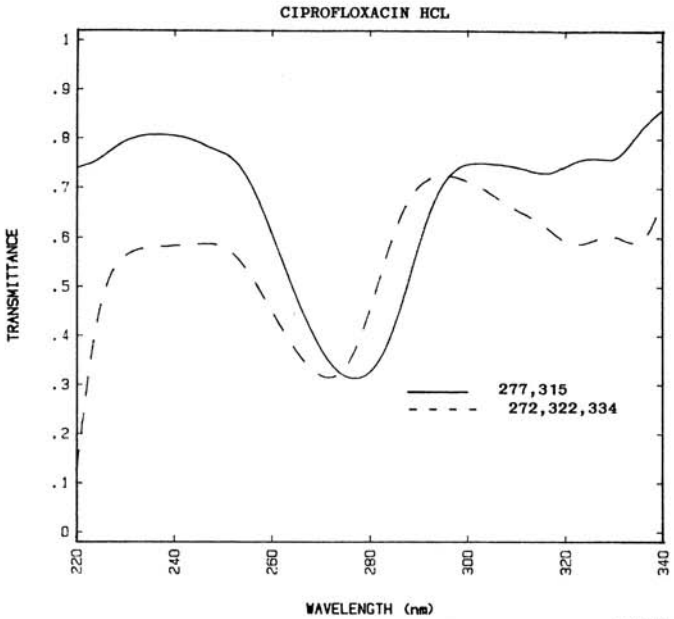
$C_{17}H_{18}FN_3O_3$

Molecular weight: 331.35 (331.13)

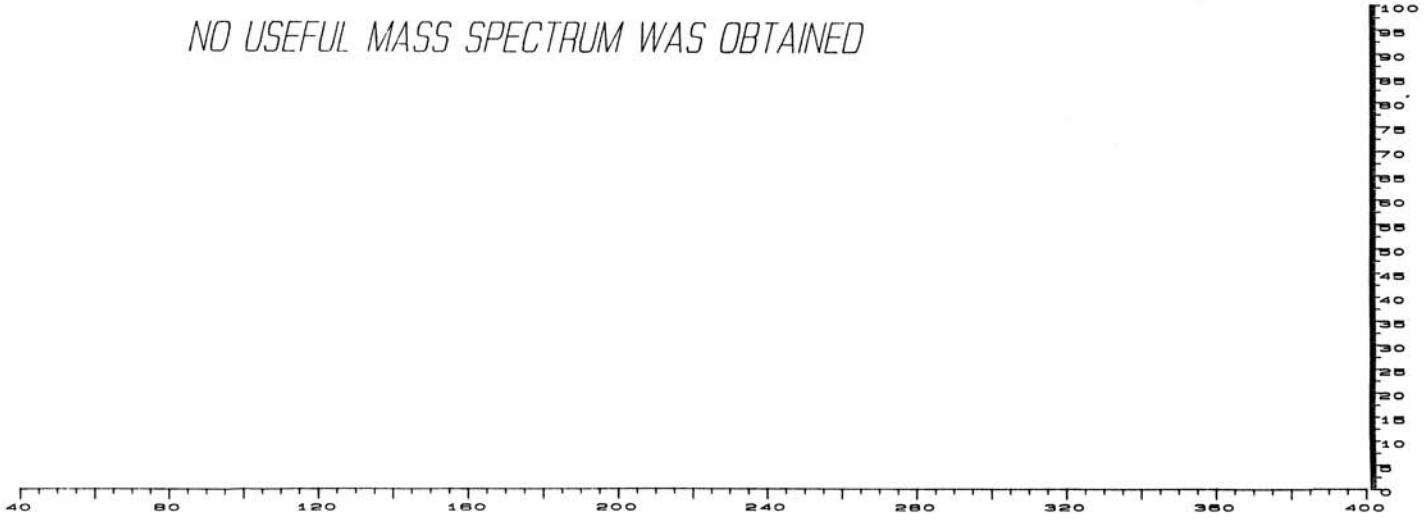
Synonyms: 1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinoline carboxylic acid
Trade names: Ciflox, Cipro, Ciprobay, Ciproxan, Ciproxin, Velmonit

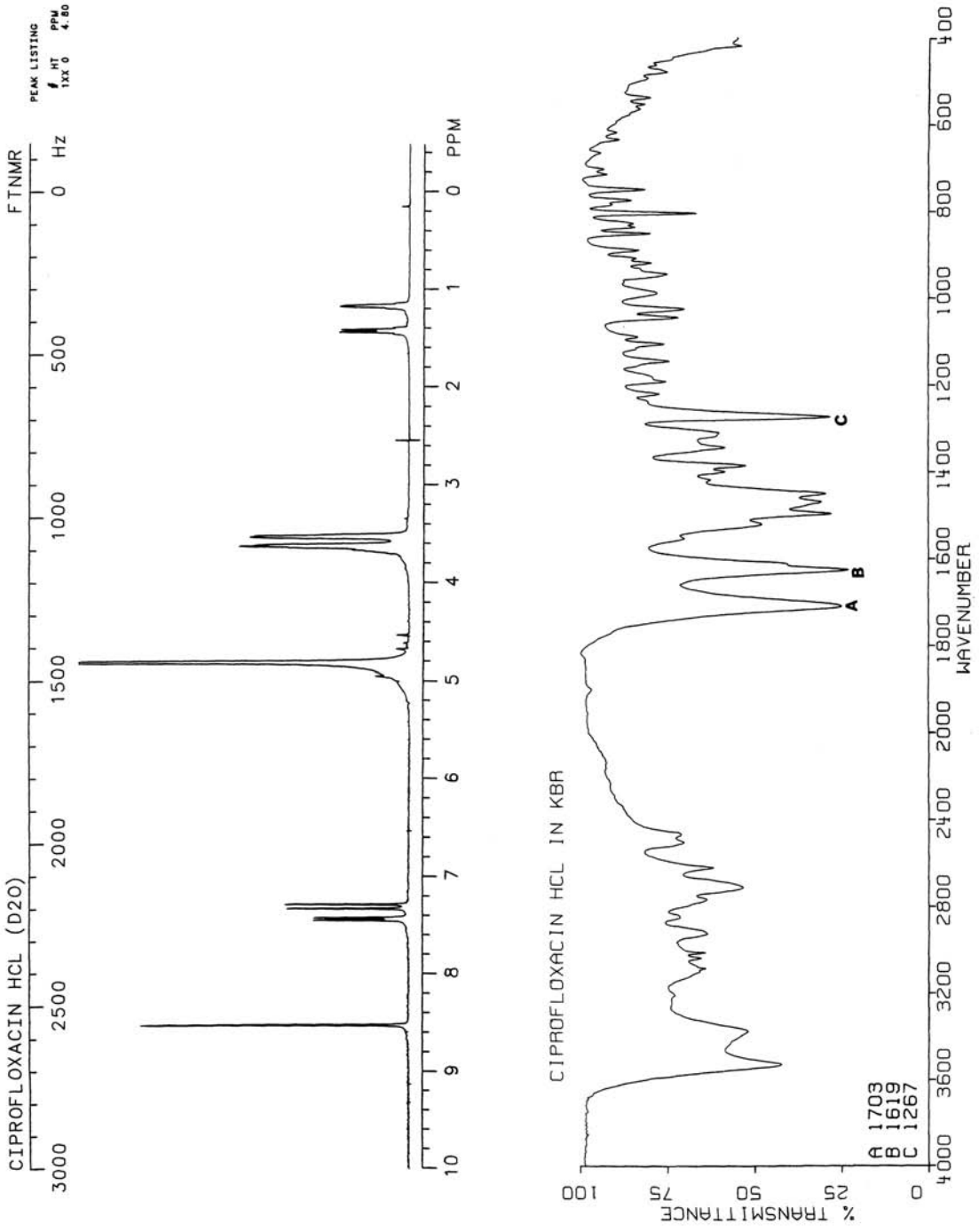
Use: Antibacterial
HPLC: 90A:10C; 1.1
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




CIPROFLOXACIN HCL (D2O)
FTNMR
PEAK LISTING
PPM 4.80
HT 1XX 0
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CIPROFLOXACIN HCL IN KBR
A 1703
B 1619
C 1267
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

CISAPRIDE

$C_{23}H_{29}ClFN_3O_4$

Molecular weight: 465.95 (465.18)

Synonyms: Cis-4-Amino-5-chloro-N-[1-[3-(4-fluorophenoxy) propyl]-3-methoxy-4-piperidinyl]-2-methoxybenzamide

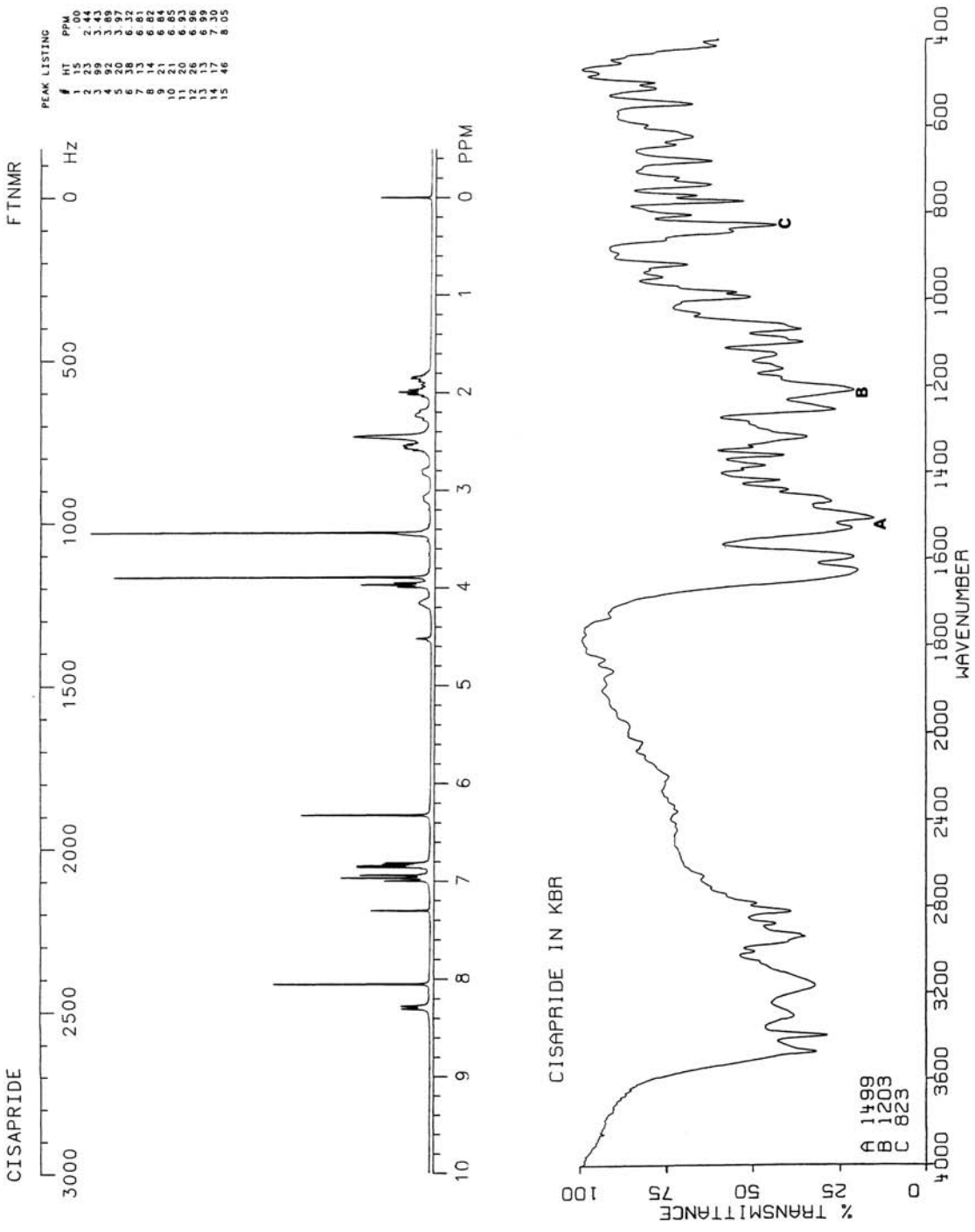
Trade names: Acenalin, Pro\epulsid, Risamal

Use: Peristaltic stimulant

HPLC: 90A:10B; 7.8

GC:

NO USEFUL MASS SPECTRUM WAS OBTAINED


CISAPRIDE
FTNMR
PEAK LISTING
HT PPM
1 15 1.00
2 23 2.44
3 99 3.43
4 92 3.89
5 20 3.97
6 38 6.32
7 13 6.81
8 14 6.82
9 21 6.84
10 21 6.85
11 20 6.93
12 26 6.96
13 13 6.99
14 17 7.30
15 46 8.05
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CISAPRIDE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1499
B 1203
C 823
A
B
C

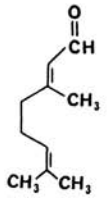
CITRAL

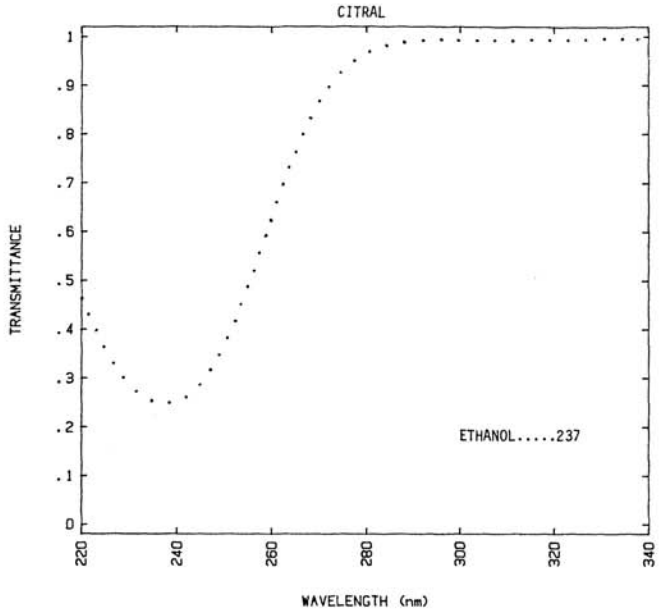
$C_{10}H_{16}O$

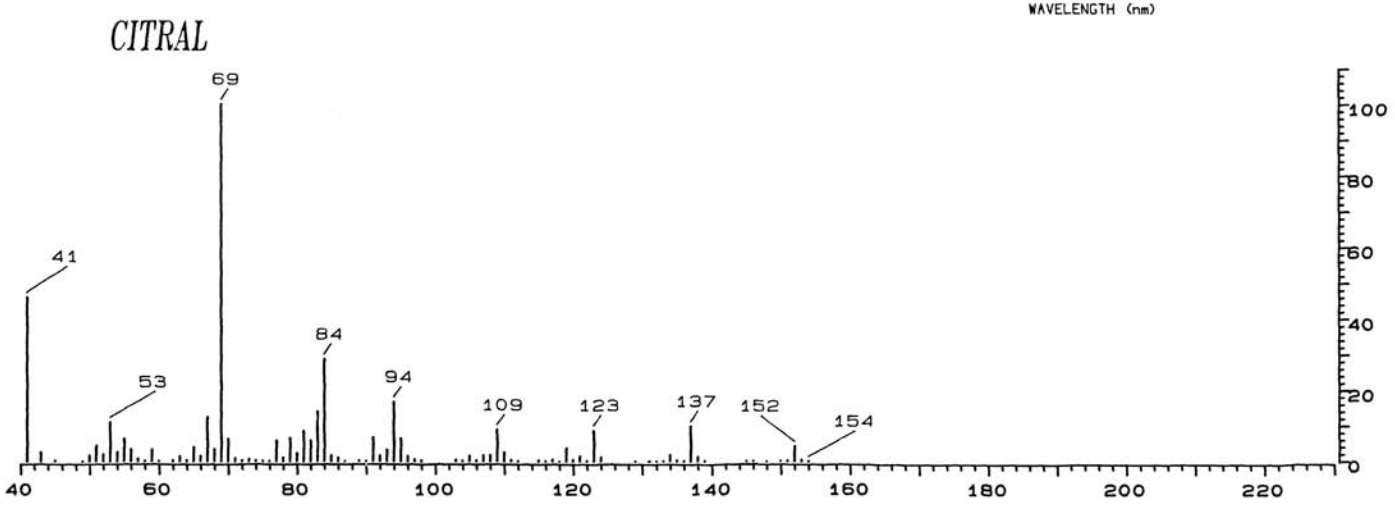
Molecular weight: 152.23 (152.12)
Synonyms: 3,7-Dimethyl-2,6-octadienal; oil of lemon grass

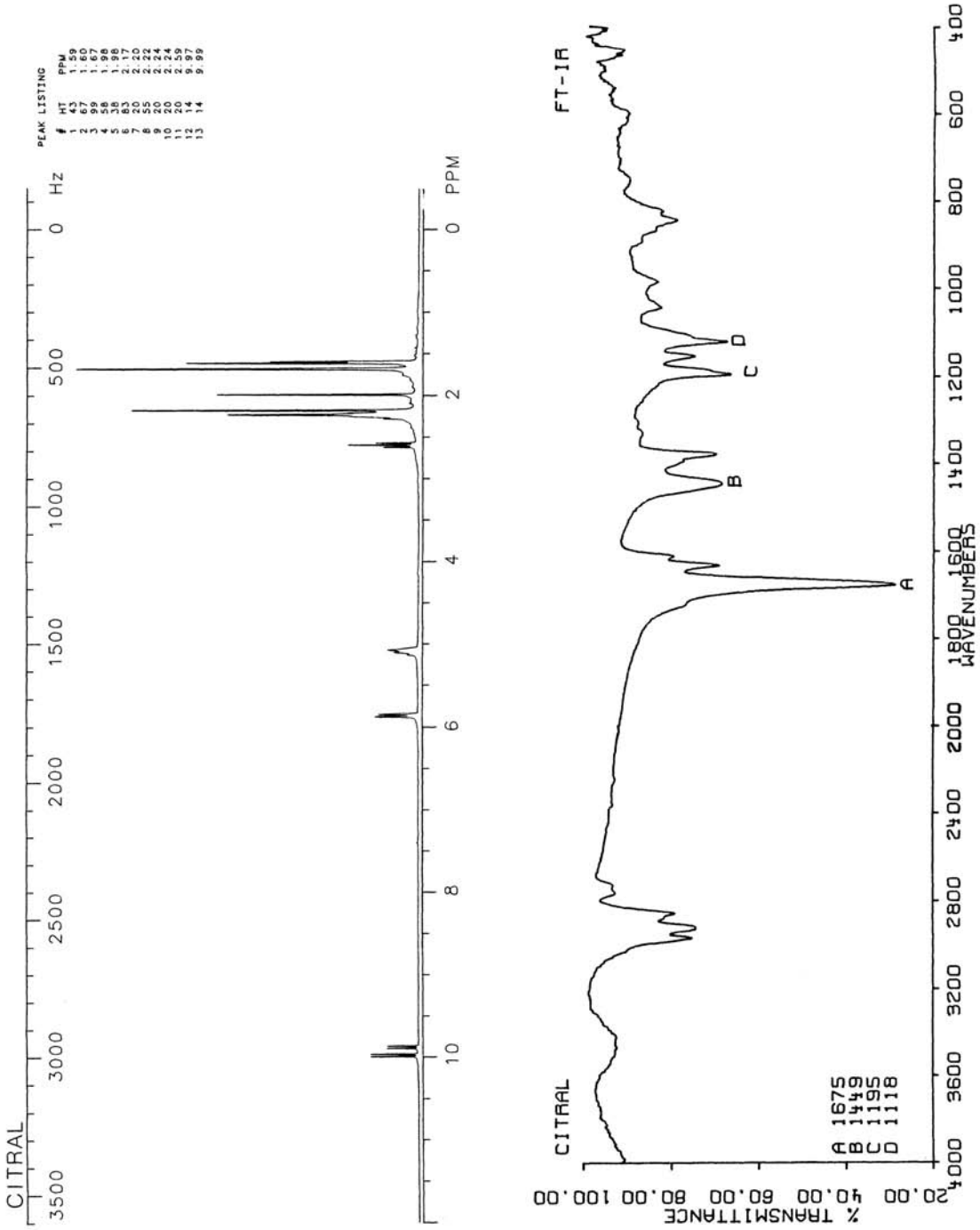
Trade names:

Use: Synthesis, flavor
HPLC:
GC:








CITRAL
PEAK LISTING
HT PPM
1 43 1.59
2 67 1.60
3 69 1.67
4 58 1.98
5 38 1.98
6 83 2.17
7 20 2.20
8 55 2.22
9 20 2.24
10 20 2.59
11 14 9.97
12 14 9.99
3500 3000 2500 2000 1500 1000 500 0 Hz
10 8 6 4 2 0 PPM
CITRAL
FT-IR
A 1675
B 1449
C 1195
D 1118
A
B
C D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
20.00 40.00 60.00 80.00 100.00
% TRANSMITTANCE

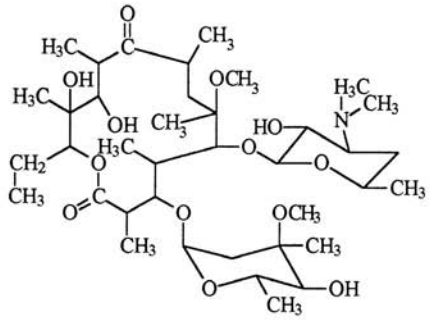
CLARITHROMYCIN

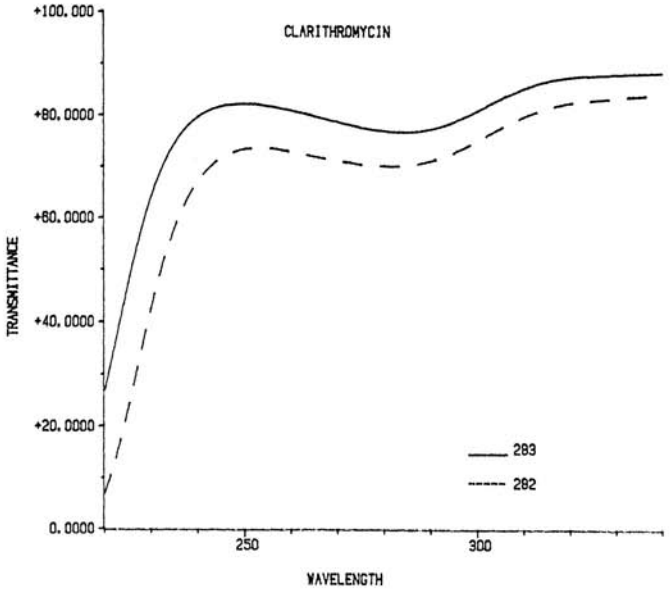
$C_{38}H_{69}NO_{13}$

Molecular Weight: 747.96 (747.48)

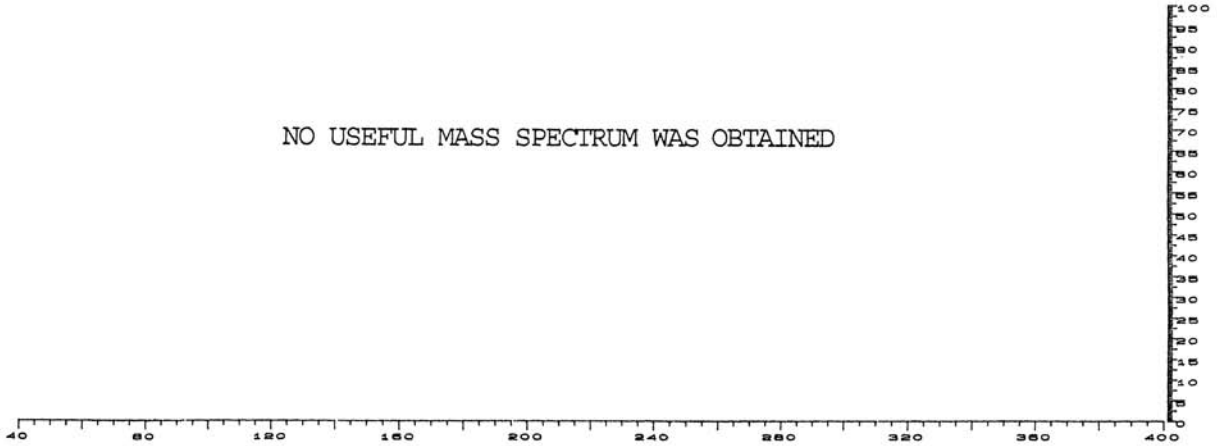
Synonyms: 6-O-Methylerythromycin; clathromycin
Trade Names: Biaxin
Use: Antibacterial

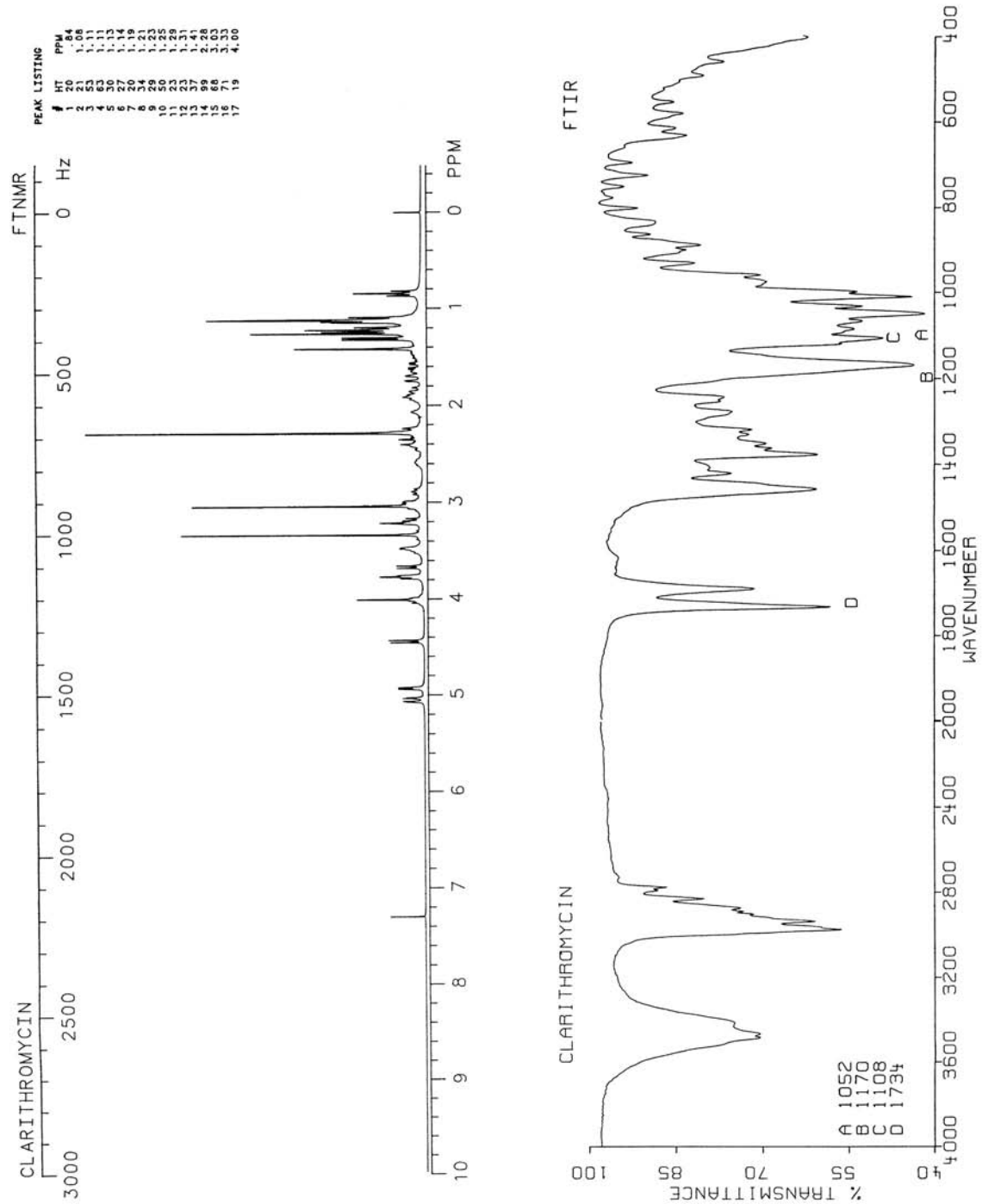
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



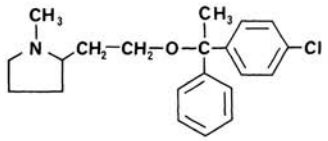

FTNMR
CLARITHROMYCIN
PEAK LISTING
HT PPM
1 20 .84
2 21 1.08
3 53 1.11
4 63 1.11
5 30 1.13
6 37 1.14
7 20 1.19
8 34 1.21
9 29 1.23
10 50 1.25
11 23 1.29
12 33 1.31
13 37 1.41
14 99 2.28
15 68 3.03
16 71 3.33
17 19 4.00
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FTIR
CLARITHROMYCIN
A 1052
B 1170
C 1108
D 1734
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

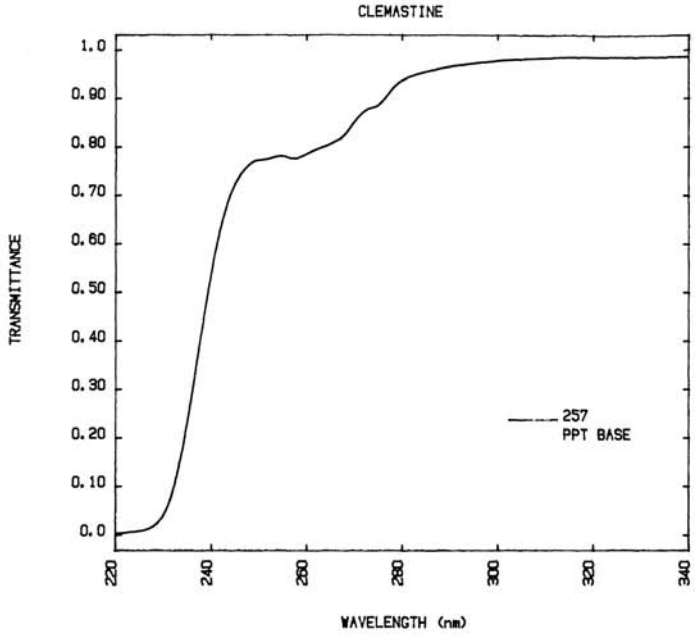
CLEMASTINE

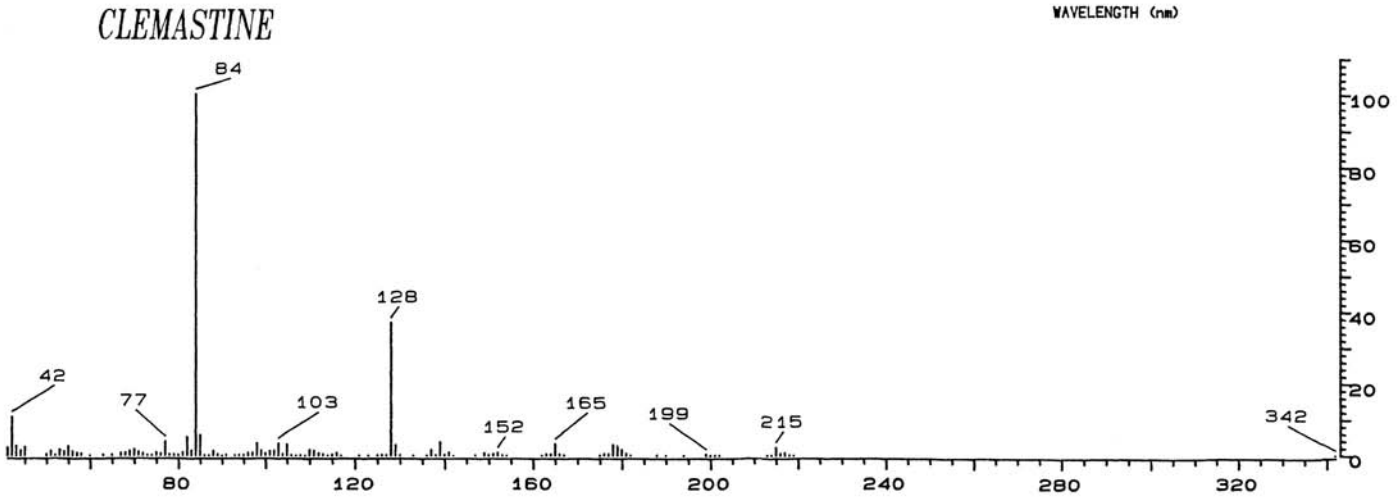
$C_{21}H_{26}ClNO$

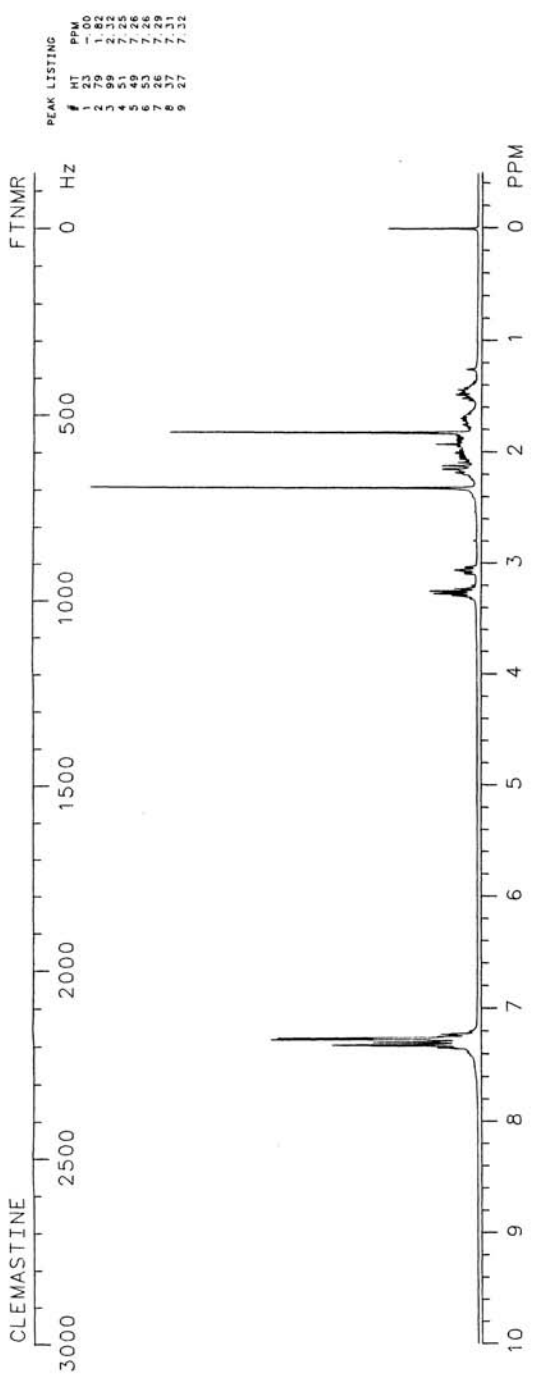
Molecular weight: 343.90 (343.17)
Synonyms: 2-[2-[1-(4-Chlorophenyl)-1-phenylethoxy]ethyl]-1-methylpyrrolidine; meclastine
Trade names: Tavist

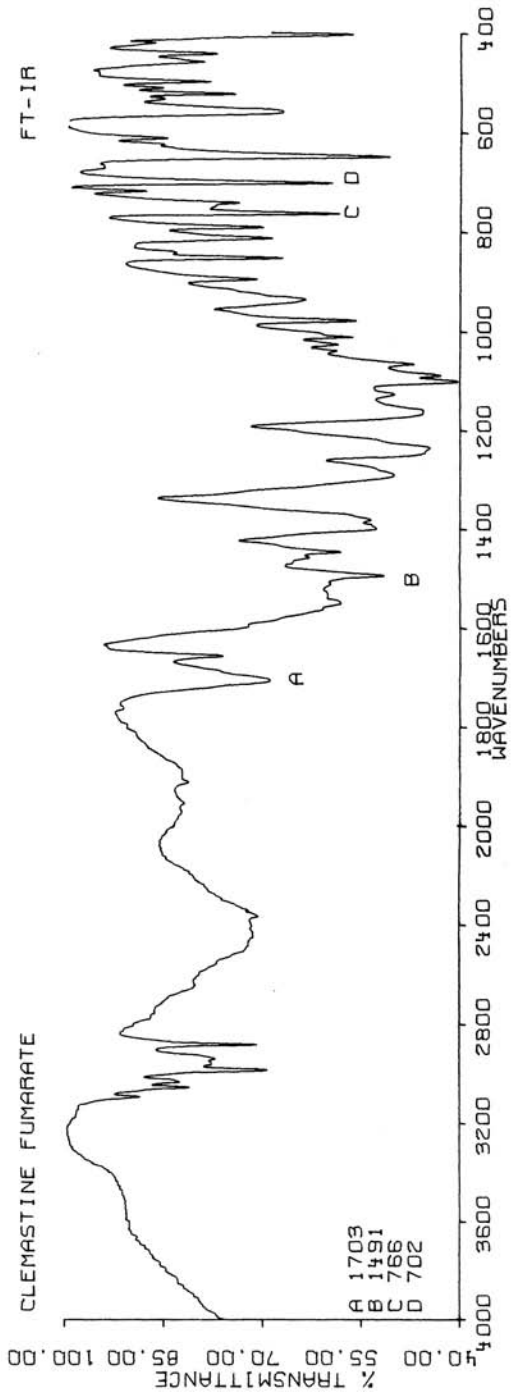
Use: Antihistaminic
HPLC: Si-10; 20A:80B; 4.2
GC: 2451; 250°C








CLEMASTINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 23 1.00
2 79 1.82
3 99 2.32
4 51 2.45
5 49 7.26
6 53 7.26
7 26 7.29
8 37 7.31
9 27 7.32


CLEMASTINE FUMARATE
FT-IR
% TRANSMITTANCE
100.00 85.00 70.00 55.00 50.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C D
A 1703
B 1491
C 766
D 702

CLENBUTEROL

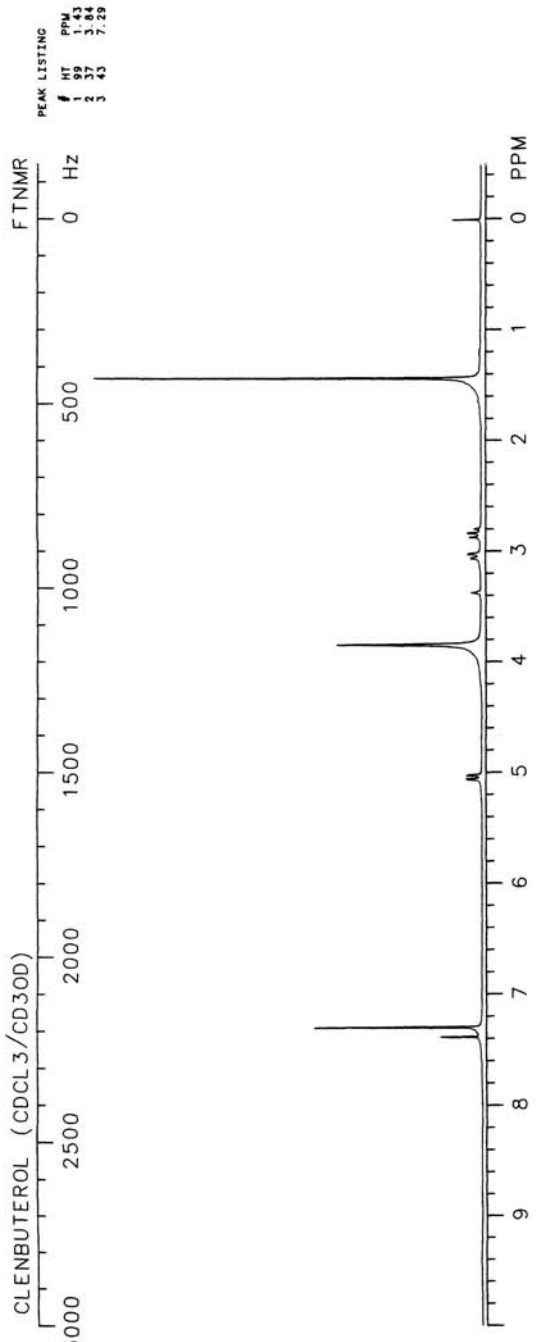
$C_{12}H_{18}Cl_2N_2O$

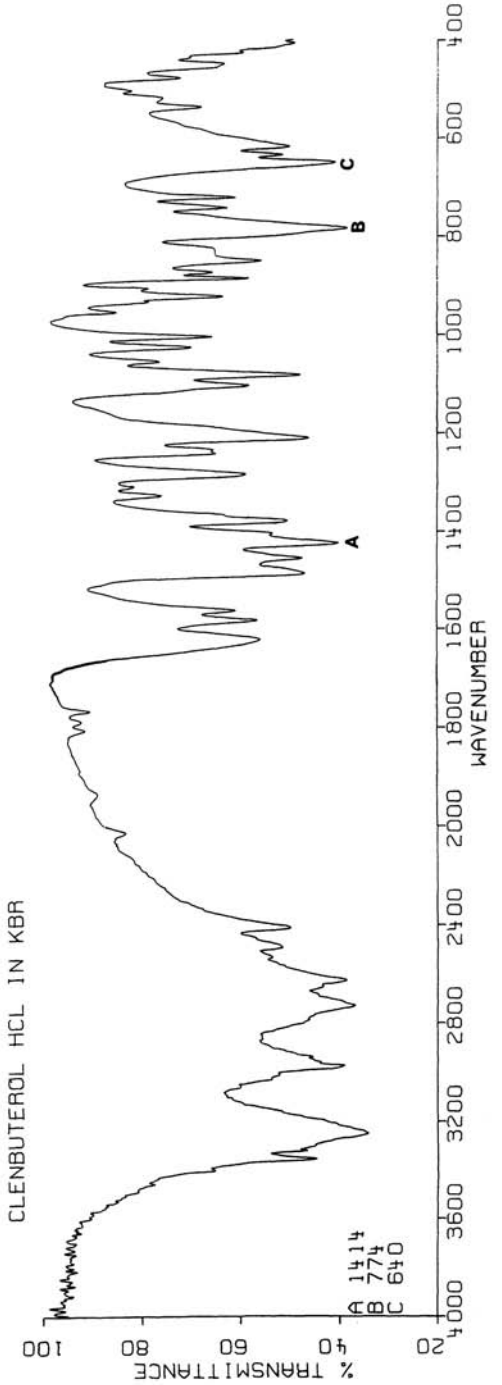
Molecular weight: 277.18 (276.08)

Synonyms: 4-Amino-3,5-dichloro-α-[[(1,1-dimethylethyl)amino] methyl]- benzanemethanol

Trade names: Spiropent, Ventipulmin

Use: Anti-asthmatic
HPLC: 80A:20B; 2.3
GC: 2097; 250°


CLENBUTEROL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 1.43
2 37 1.44
3 43 7.29
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

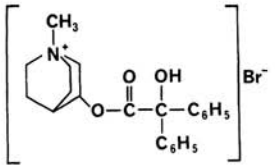

CLENBUTEROL HCL IN KBR
A 1414
B 774
C 640
A
B
C
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

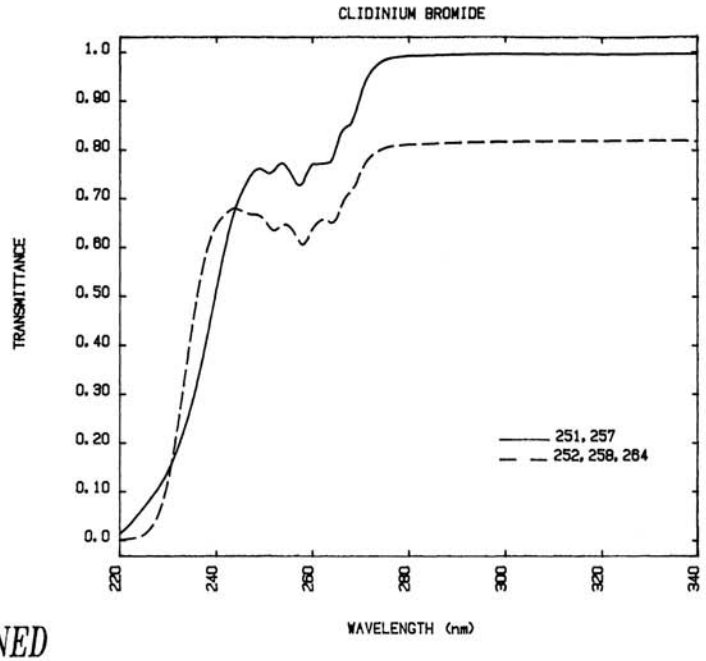
CLIDINIUM BROMIDE

$C_{22}H_{26}BrNO_3$

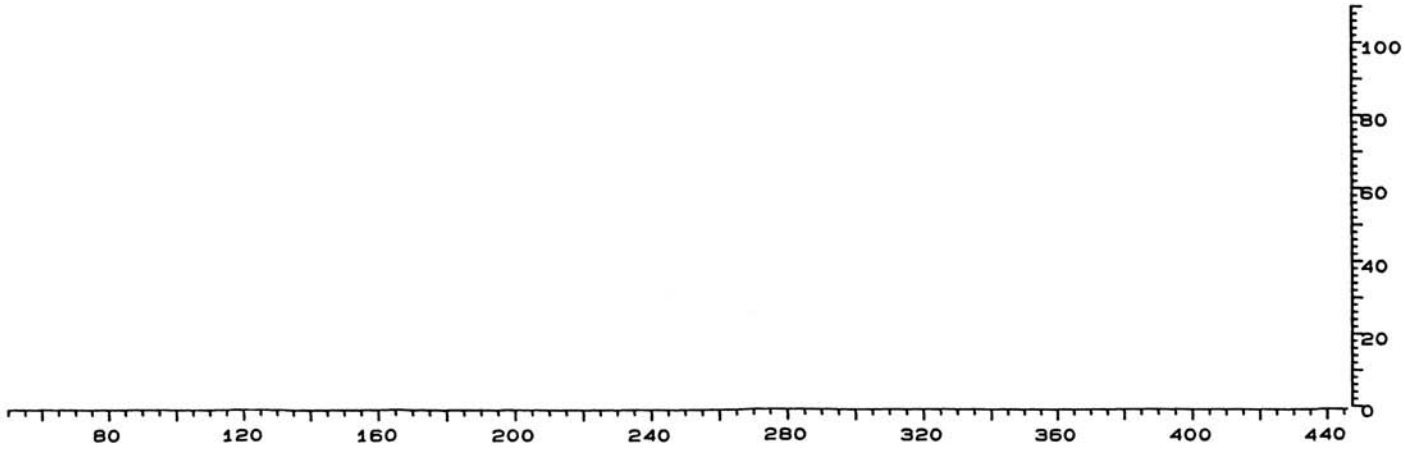
Molecular weight: 432.36 (431.11)
Synonyms: 3-[(Hydroxydiphenylacetyl)oxy]-1-methyl-1-azoniabicyclo-[2.2.2]octane bromide
Trade names: Chlordinium, Librax, Quarzan

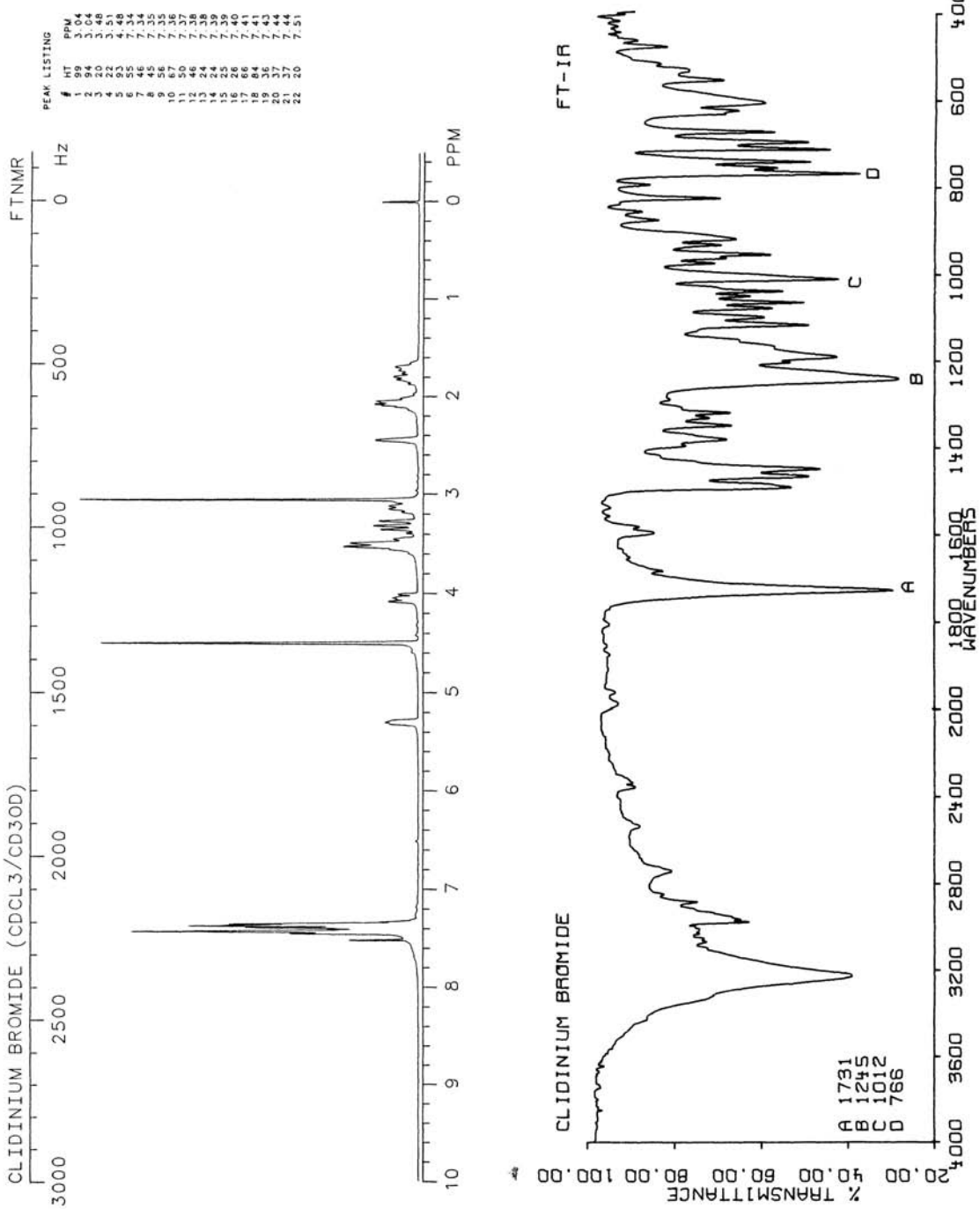
Use: Anticholinergic
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




CLIDINIUM BROMIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 3.04
2 94 3.04
3 20 3.46
4 22 3.51
5 93 4.48
6 55 7.34
7 46 7.34
8 45 7.35
9 56 7.36
10 67 7.37
11 50 7.37
12 46 7.38
13 24 7.38
14 24 7.39
15 25 7.40
16 26 7.40
17 66 7.41
18 84 7.41
19 36 7.43
20 37 7.44
21 37 7.44
22 20 7.51
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLIDINIUM BROMIDE
FT-IR
A 1731
B 1245
C 1012
D 766
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

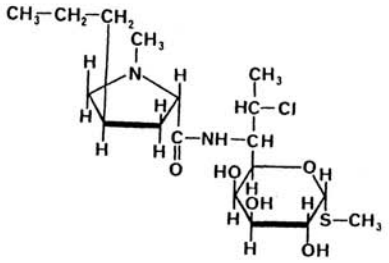
CLINDAMYCIN

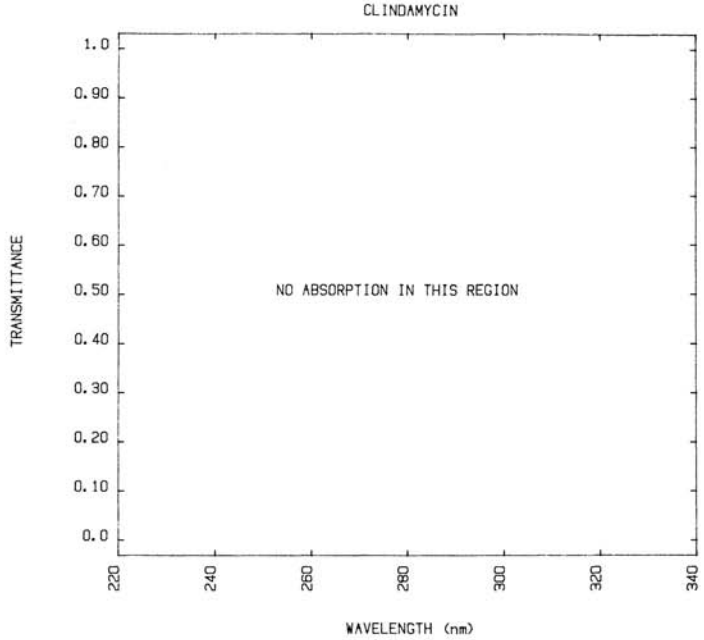
$C_{18}H_{33}ClN_2O_5S$

Molecular weight: 424.98 (424.18)
Synonyms: 7(S)-Chloro-7-deoxylincomycin; clinimycin

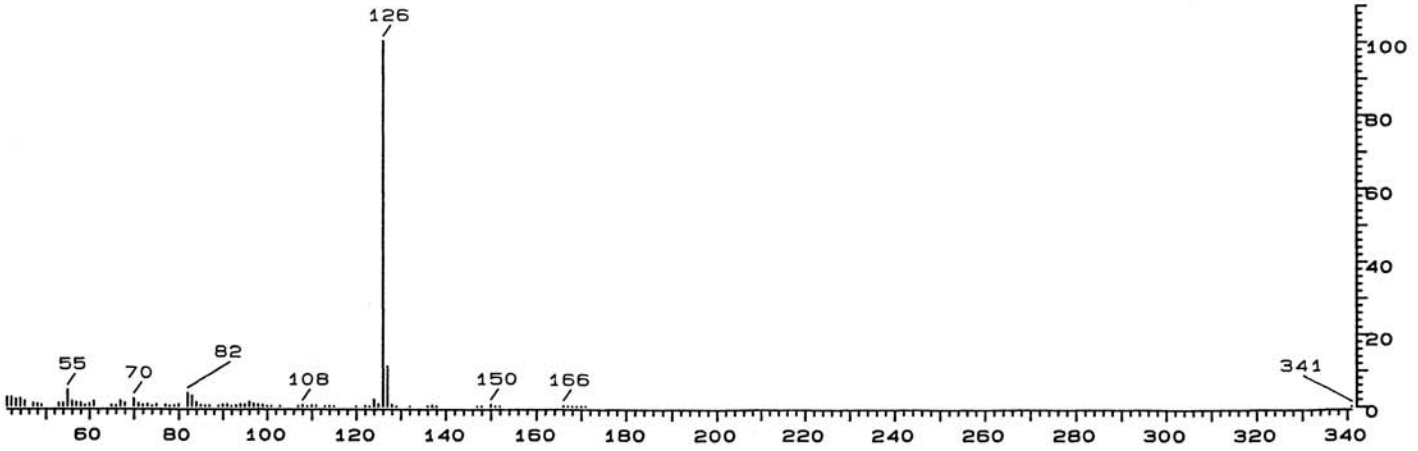
Trade names: Cleocin

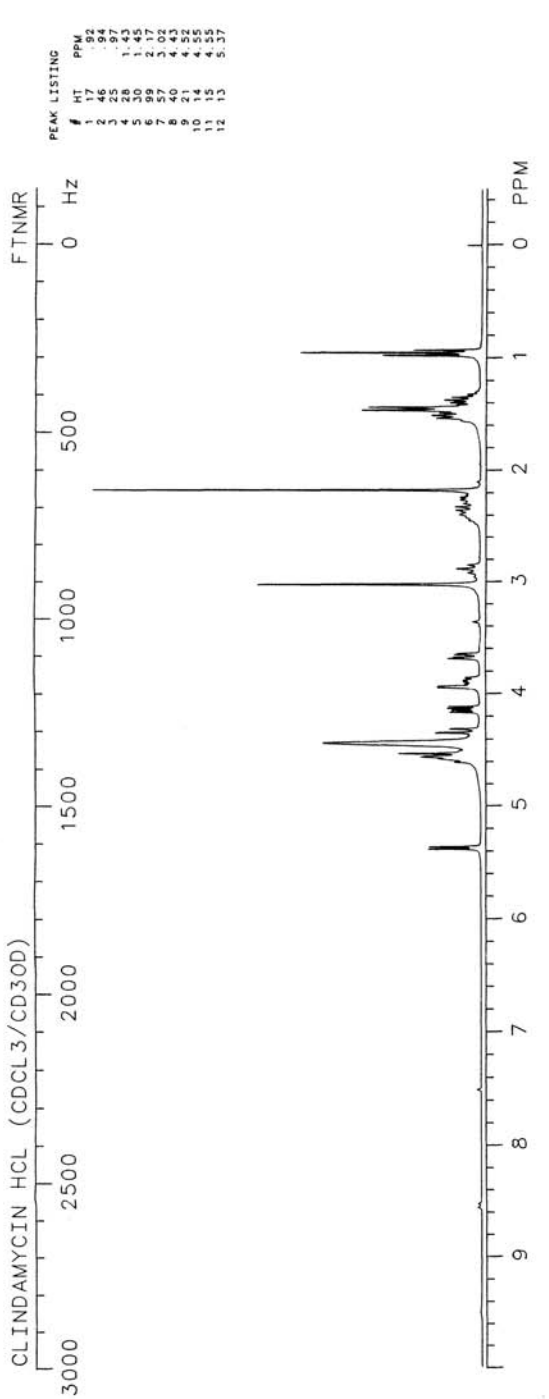
Use: Antibacterial
HPLC:
GC: 2931; 280°C

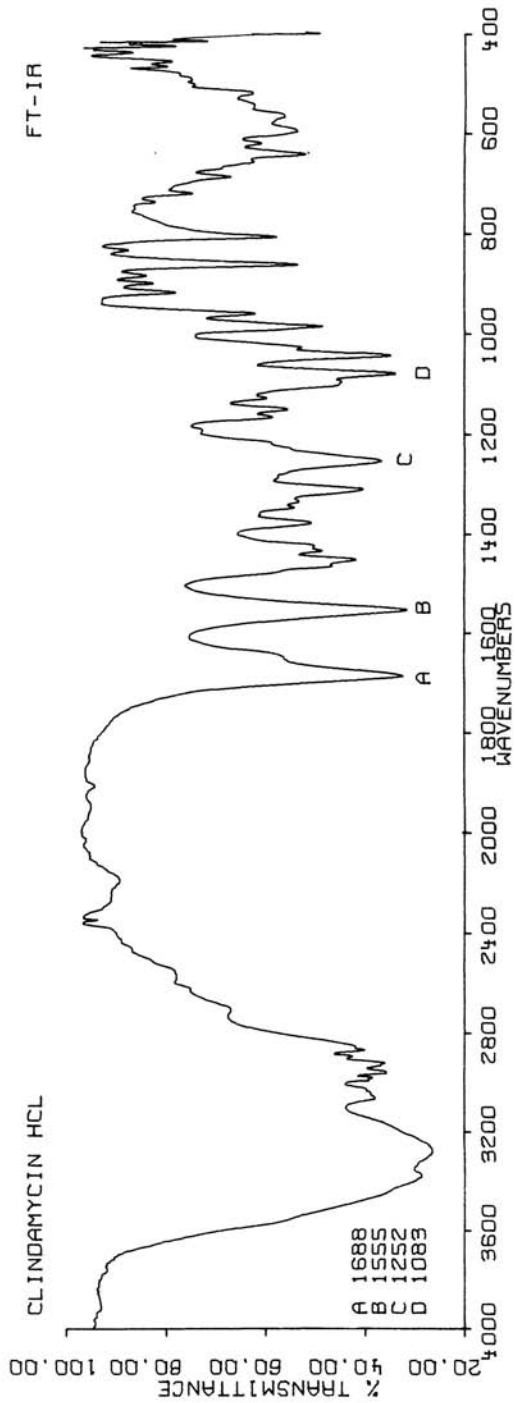




CLINDAMYCIN




CLINDAMYCIN HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 17 .92
2 46 .94
3 25 .97
4 28 1.43
5 30 1.46
6 99 2.17
7 57 3.02
8 40 4.43
9 21 4.52
10 14 4.56
11 15 4.55
12 13 5.37

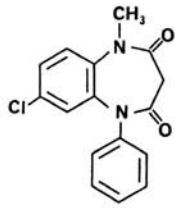

FT-IR
CLINDAMYCIN HCL
A 1688
B 1555
C 1252
D 1083
A B C D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

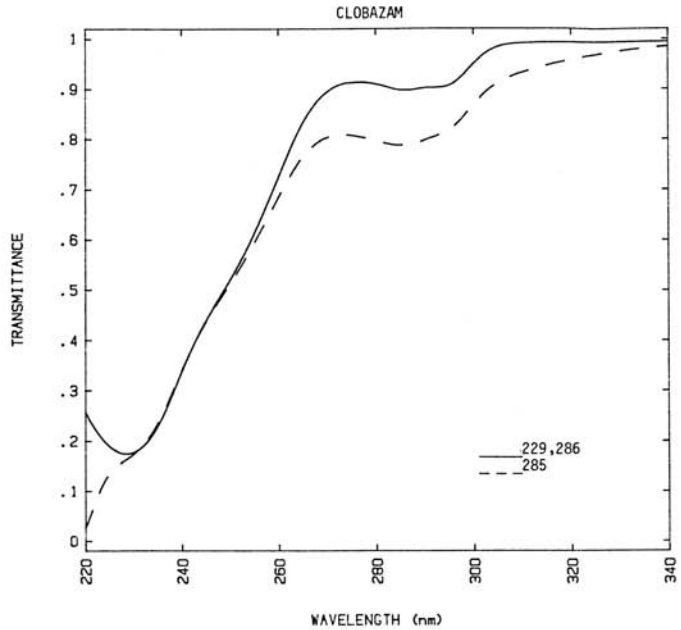
CLOBAZAM

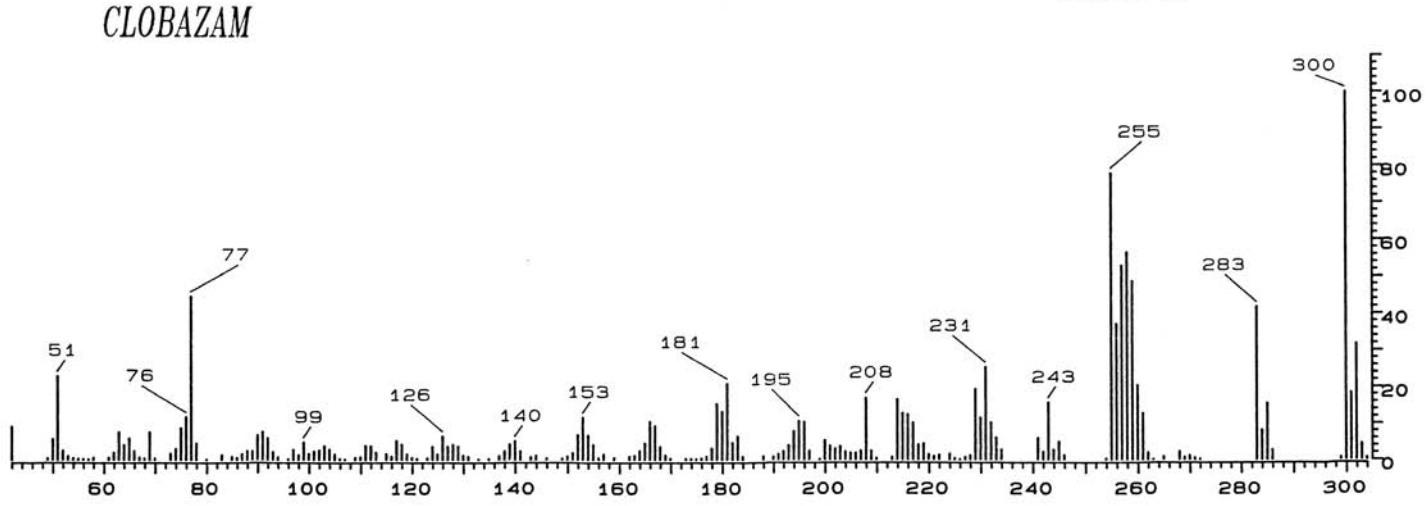
$C_{16}H_{13}ClN_2O_2$

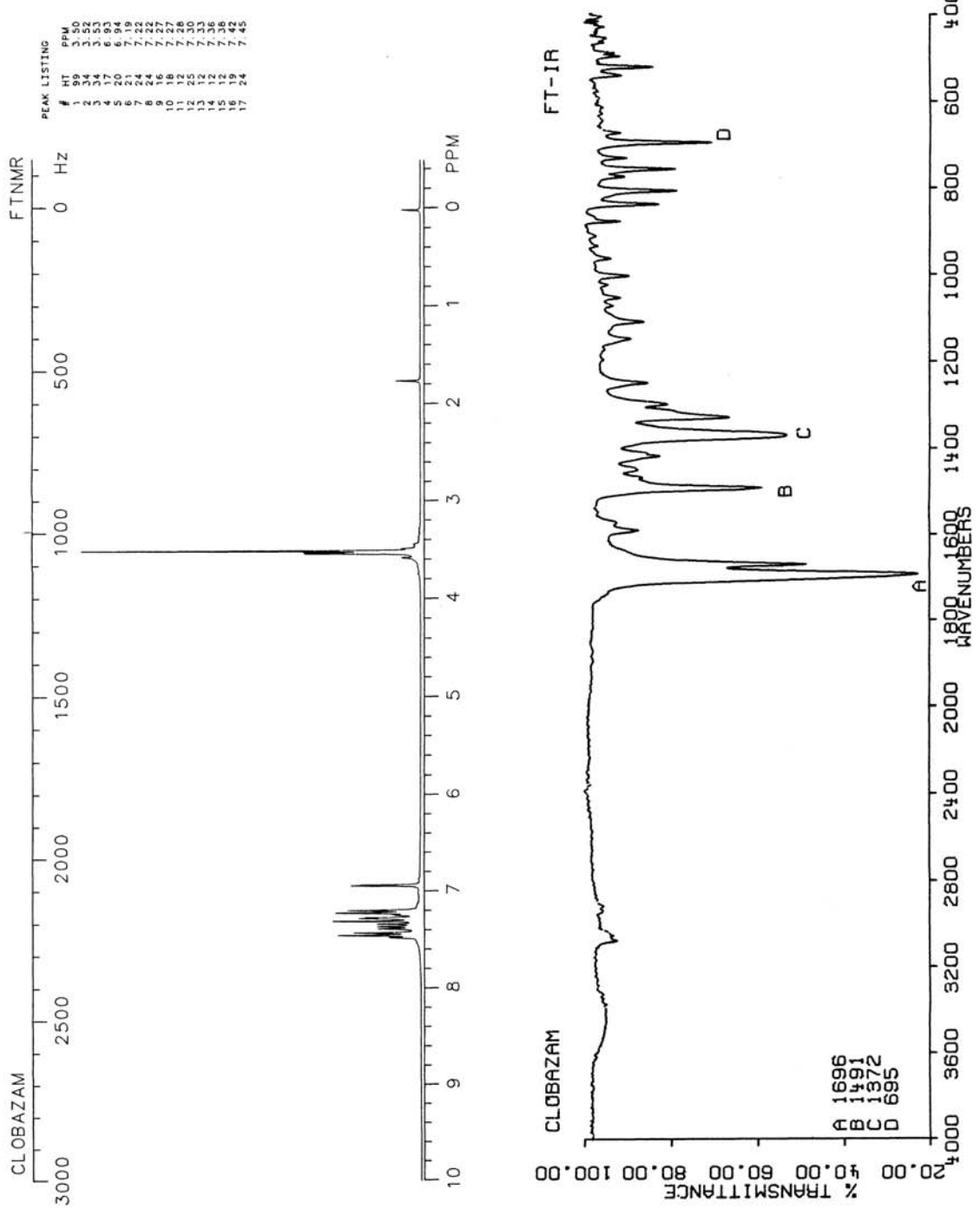
Molecular weight: 300.74 (300.07)
Synonyms: 7-Chloro-1-methyl-5-phenyl-1H-1,5-benzodiazepine-2,4(3H,5H)-dione
Trade names: Frisium, Urbadan, Urbanyl

Use: Tranquilizer
HPLC: Si-10; 100B; 5.0
GC: 2643; 250°C







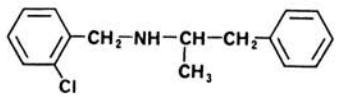

FTNMR
CLOBAZAM
PEAK LISTING
HT PPM
1 99 3.50
2 34 3.52
3 34 3.53
4 17 6.93
5 20 6.94
6 21 7.19
7 24 7.22
8 24 7.22
9 16 7.27
10 18 7.28
11 12 7.30
12 25 7.33
13 12 7.36
14 12 7.38
15 12 7.42
16 19 7.45
17 24
Hz
PPM
FT-IR
CLOBAZAM
A 1696
B 1491
C 1372
D 695
A
B
C
D
% TRANSMITTANCE
WAVENUMBERS

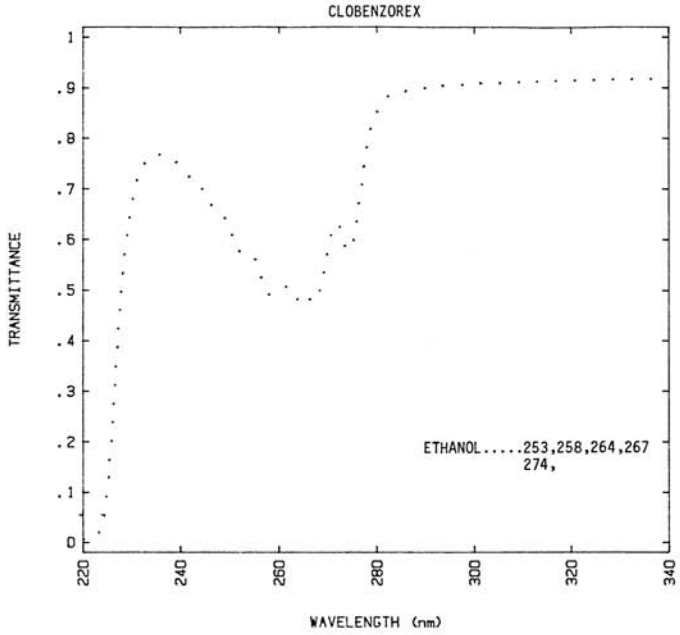
CLOBENZOREX

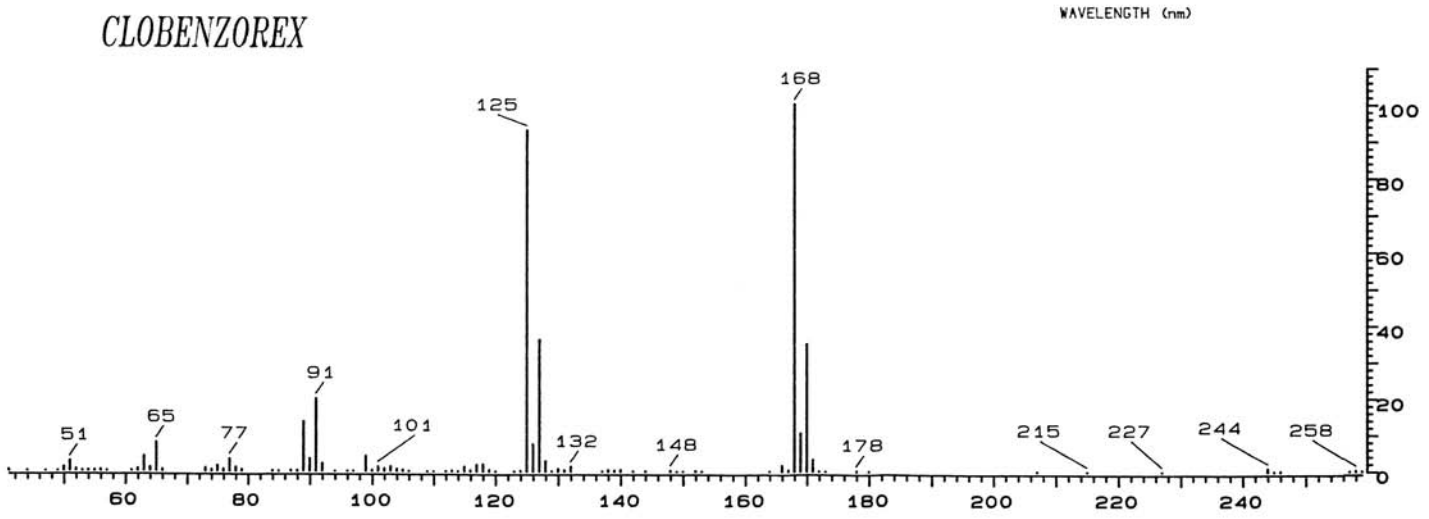
$C_{16}H_{18}ClN$

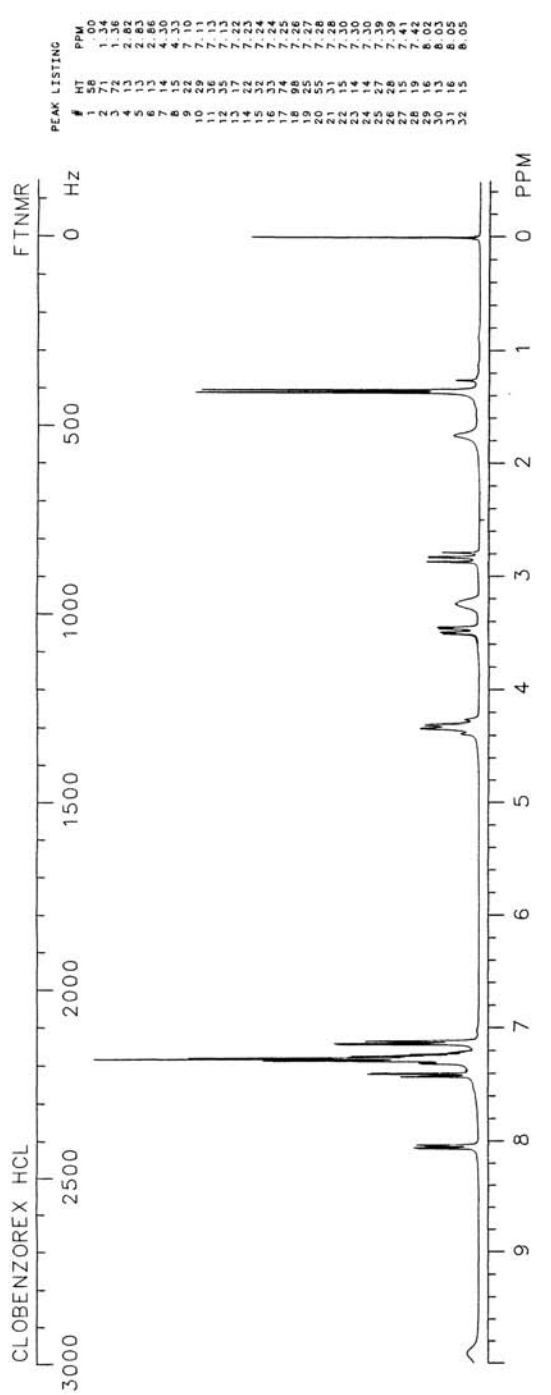
Molecular weight: 259.78 (259.11)
Synonyms: N-[(2-Chlorophenyl)methyl]- -methylbenzene-ethanamine
Trade names: Dinintel

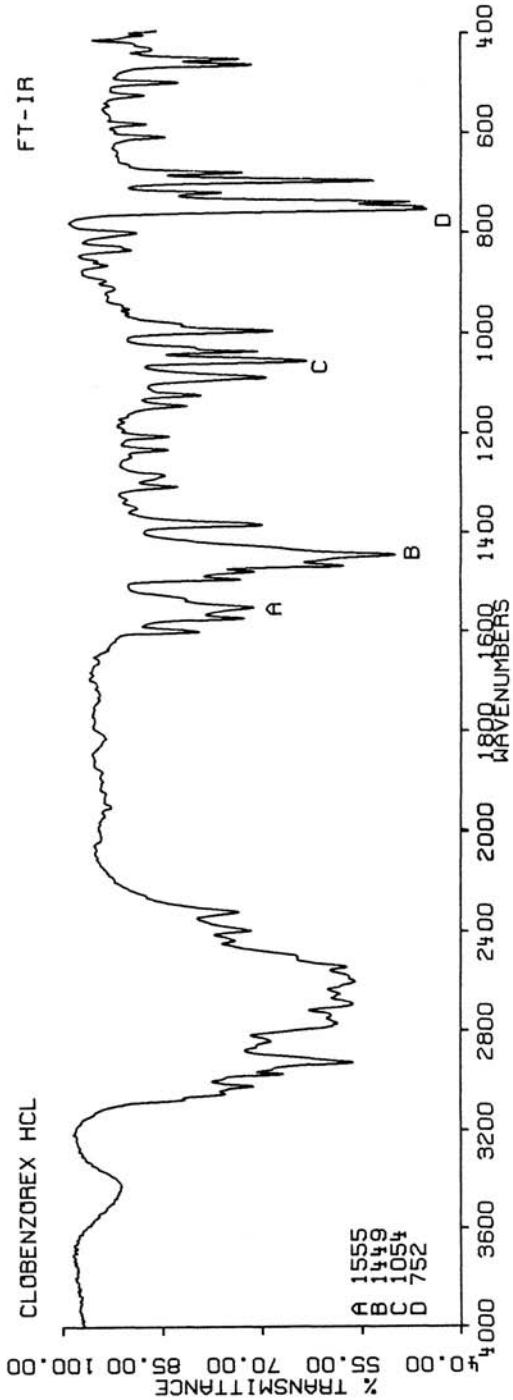
Use: Anorexic
HPLC: Si-10; 1A:99B; 3.0
GC: 1995; 200°C








CLOBENZOREX HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 58 .00
2 71 1.24
3 72 1.36
4 13 2.82
5 13 2.83
6 13 2.86
7 14 4.30
8 15 4.33
9 22 7.10
10 29 7.11
11 36 7.13
12 35 7.13
13 17 7.22
14 22 7.23
15 33 7.24
16 74 7.25
17 74 7.25
18 98 7.26
19 25 7.27
20 55 7.28
21 31 7.28
22 15 7.30
23 14 7.30
24 14 7.30
25 27 7.39
26 28 7.39
27 15 7.41
28 19 7.42
29 16 8.03
30 15 8.03
31 16 8.05
32 15 8.05


FT-IR
CLOBENZOREX HCL
A 1555
B 1449
C 1054
D 752
A
B
C
D
% TRANSMITTANCE
0.00
55.00
70.00
85.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

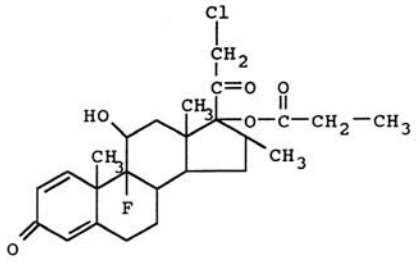
CLOBETASOL PROPIONATE

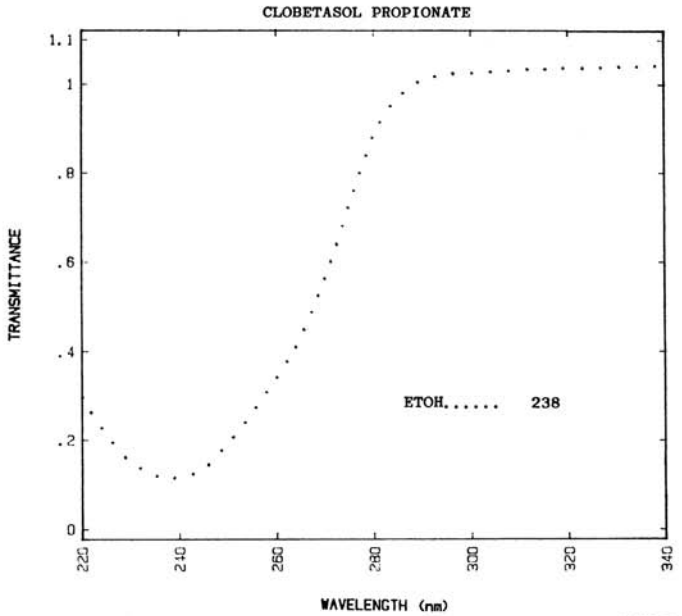
$C_{25}H_{32}ClFO_5$

Molecular weight: 466.91 (466.19)

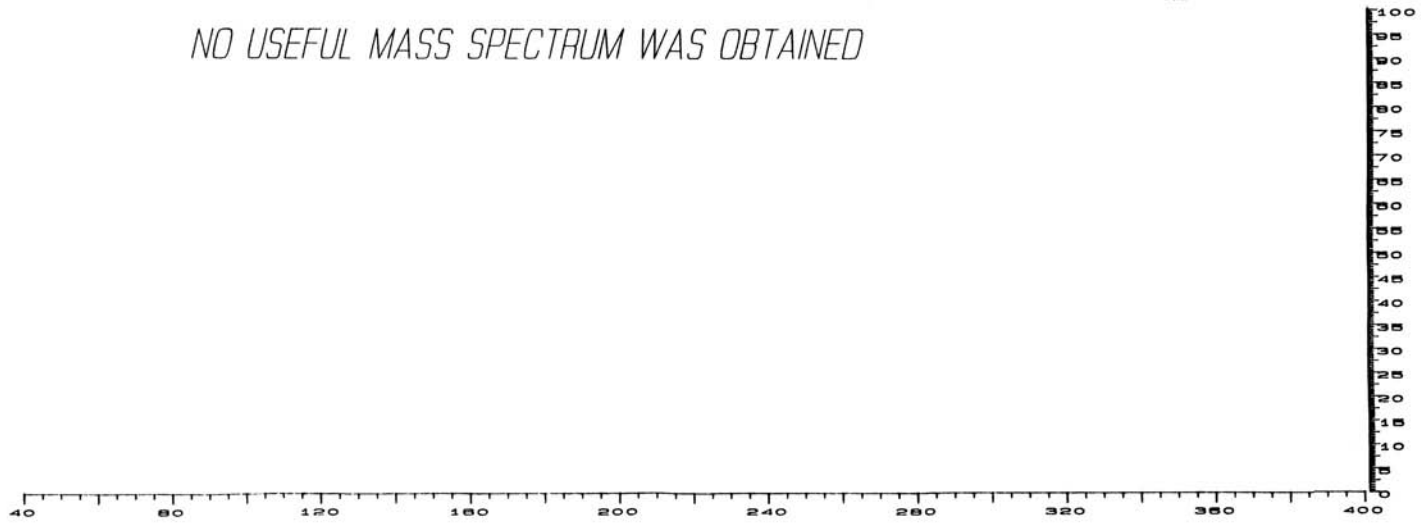
Synonyms: (11β,16β)-21-Chloro-9-fluoro-11,17-dihydroxy-16-methylpregna-1,4-diene-3,20-dione-17-propionate
Trade names: Clobesol, Dermoval, Dermovate, Dermoxin, Dermoxinate, Temovate

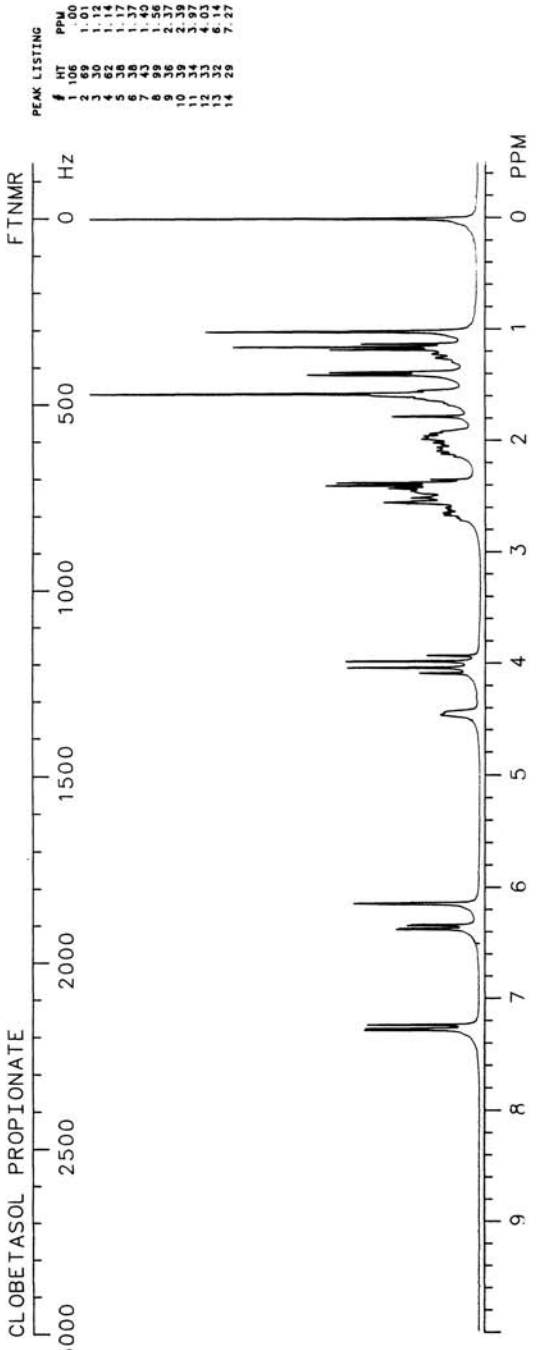
Use: Anti-inflammatory
HPLC: 80A:20B; 2.3
GC: 3371; 280°

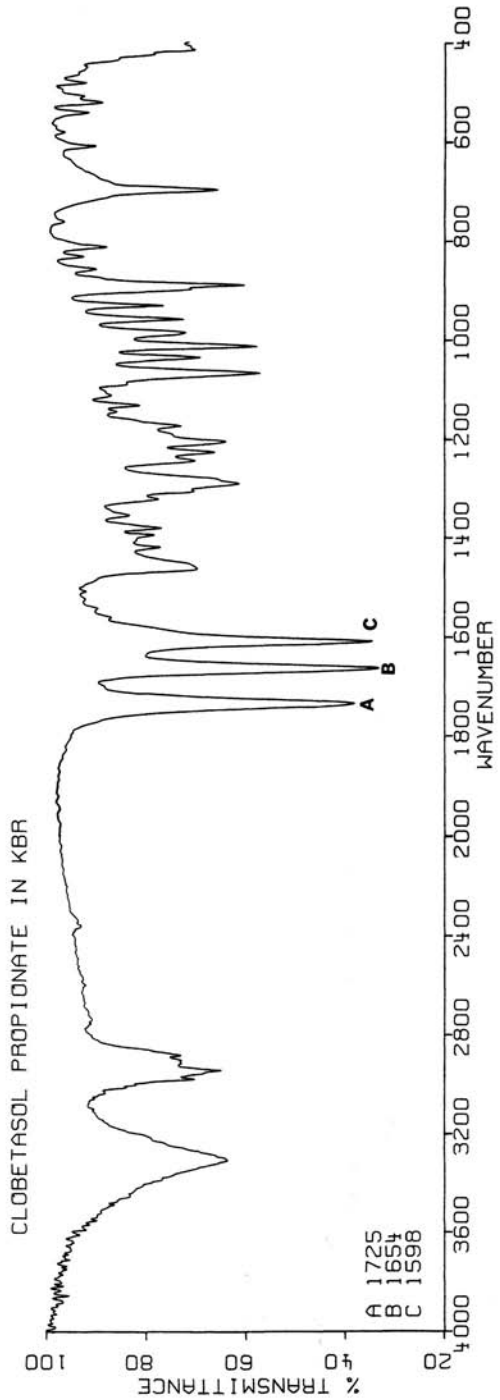




NO USEFUL MASS SPECTRUM WAS OBTAINED




CLOBETASOL PROPIONATE
FTNMR
PEAK LISTING
HT PPM
1 106 .00
2 69 1.01
3 30 1.12
4 62 1.14
5 38 1.17
6 38 1.37
7 43 1.40
8 99 1.56
9 36 2.37
10 39 2.39
11 34 2.97
12 34 4.03
13 32 6.14
14 29 7.27
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


CLOBETASOL PROPIONATE IN KBR
A 1725
B 1654
C 1598
A
B
C
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

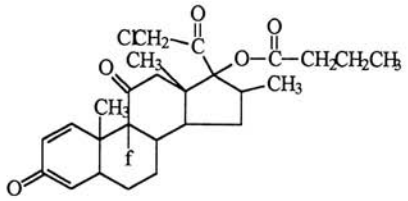
CLOBETASONE BUTYRATE

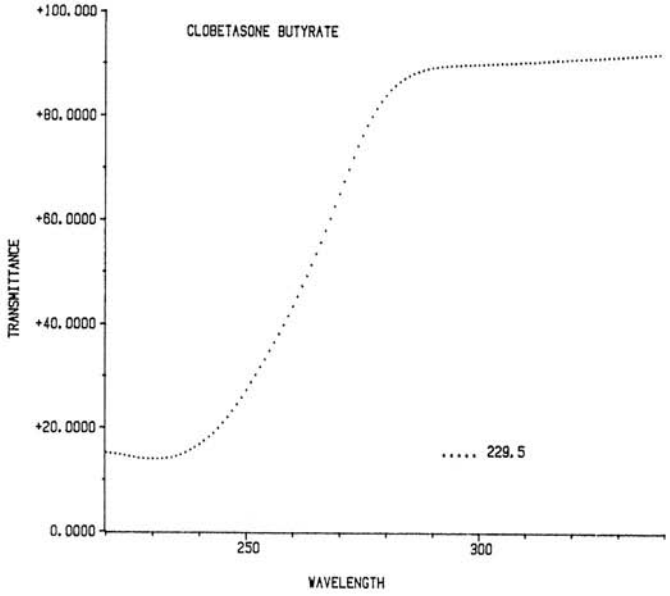
$C_{26}H_{32}ClFO_5$

Molecular Weight: 478.99 (478.19)

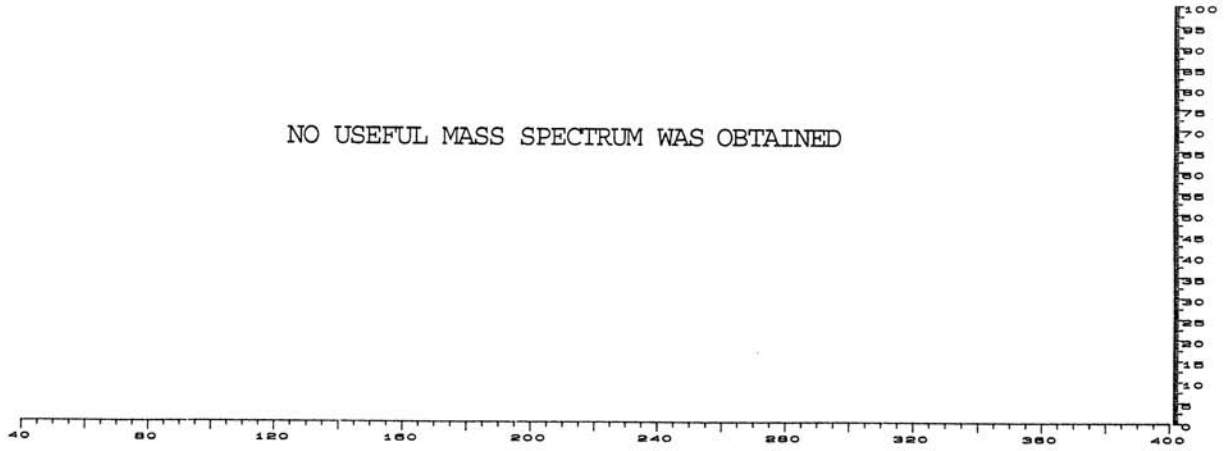
Synonyms: 21-Chloro-9-fluoro-17-hydroxy-16-methyl-pregna-1,4-diene-3,11,20-trione-17-butyrate; 21-chloro-11-dehydrobetamethasone-17-butyrate
Trade Names: Emovate, Eumovate, Molivate
Use: Anti-inflammatory

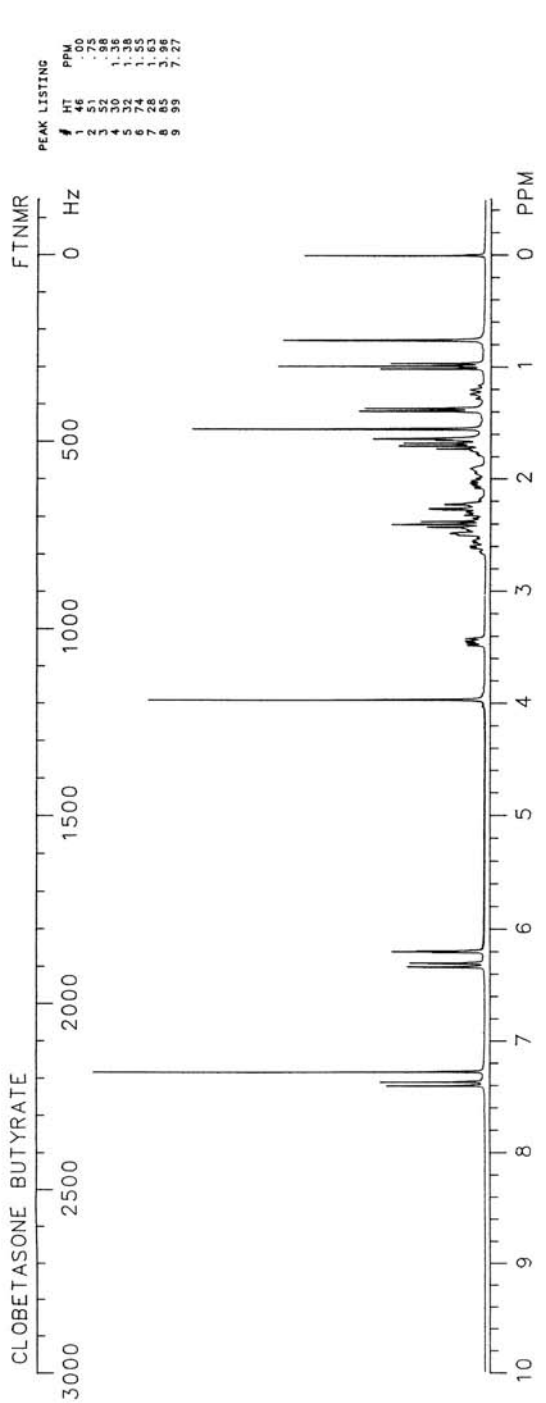
HPLC: Methanol: 2.9
GC:

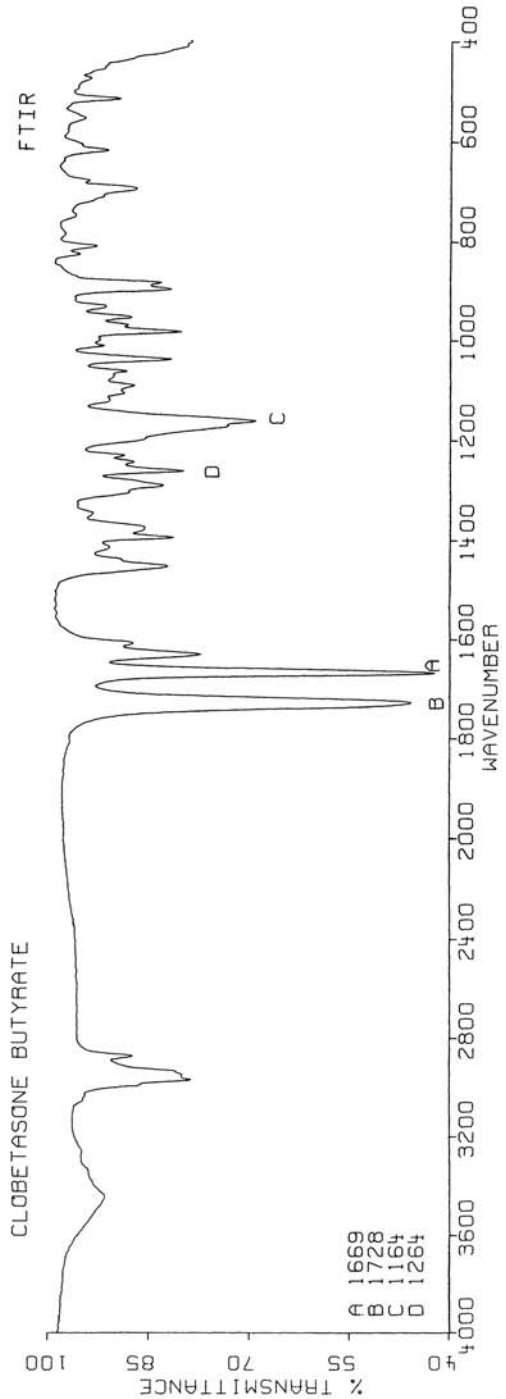




NO USEFUL MASS SPECTRUM WAS OBTAINED




CLOBETASONE BUTYRATE
FTNMR
PEAK LISTING
HT PPM
1 46 .70
2 51 .75
3 52 .88
4 30 1.36
5 32 1.38
6 74 1.55
7 28 1.63
8 85 3.96
9 99 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


CLOBETASONE BUTYRATE
FTIR
A 1669
B 1728
C 1164
D 1264
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

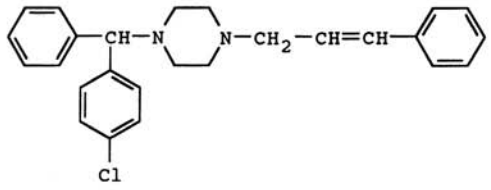
CLOCINIZINE

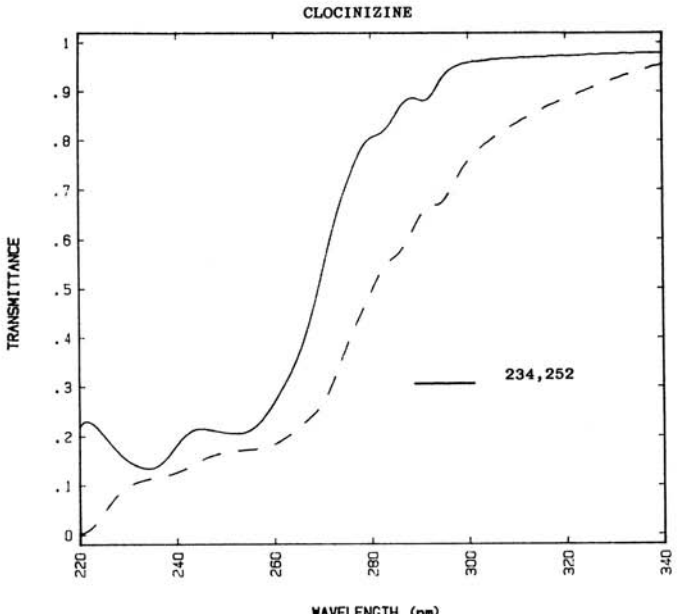
$C_{26}H_{27}ClN_2$

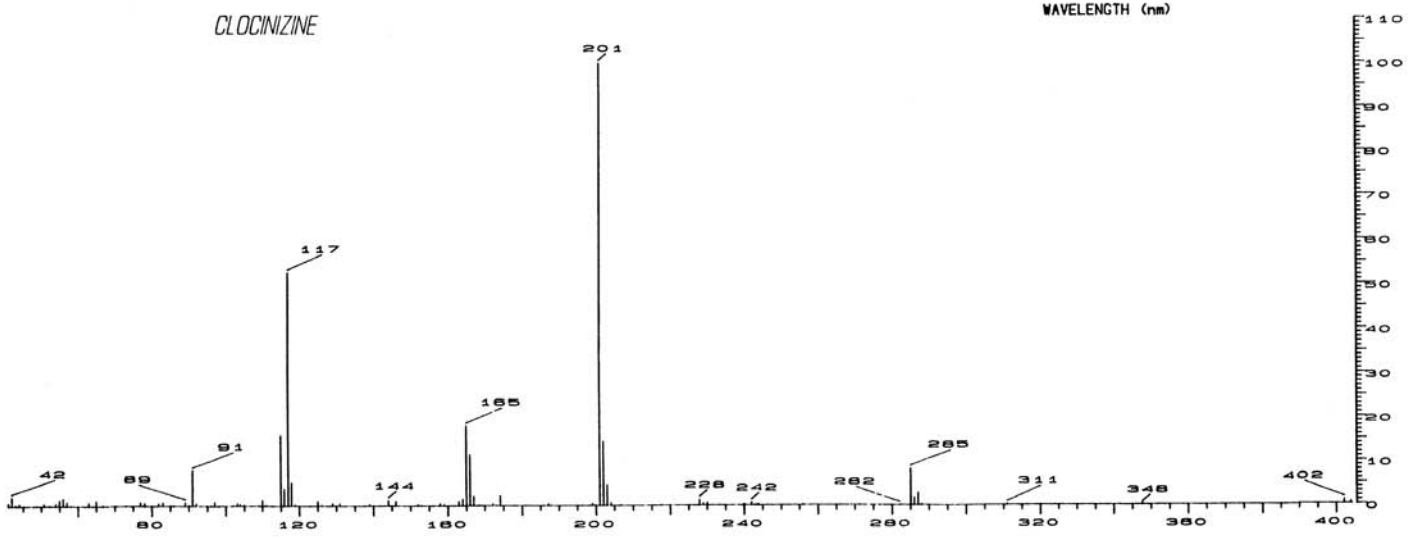
Molecular weight: 402.99 (402.19)

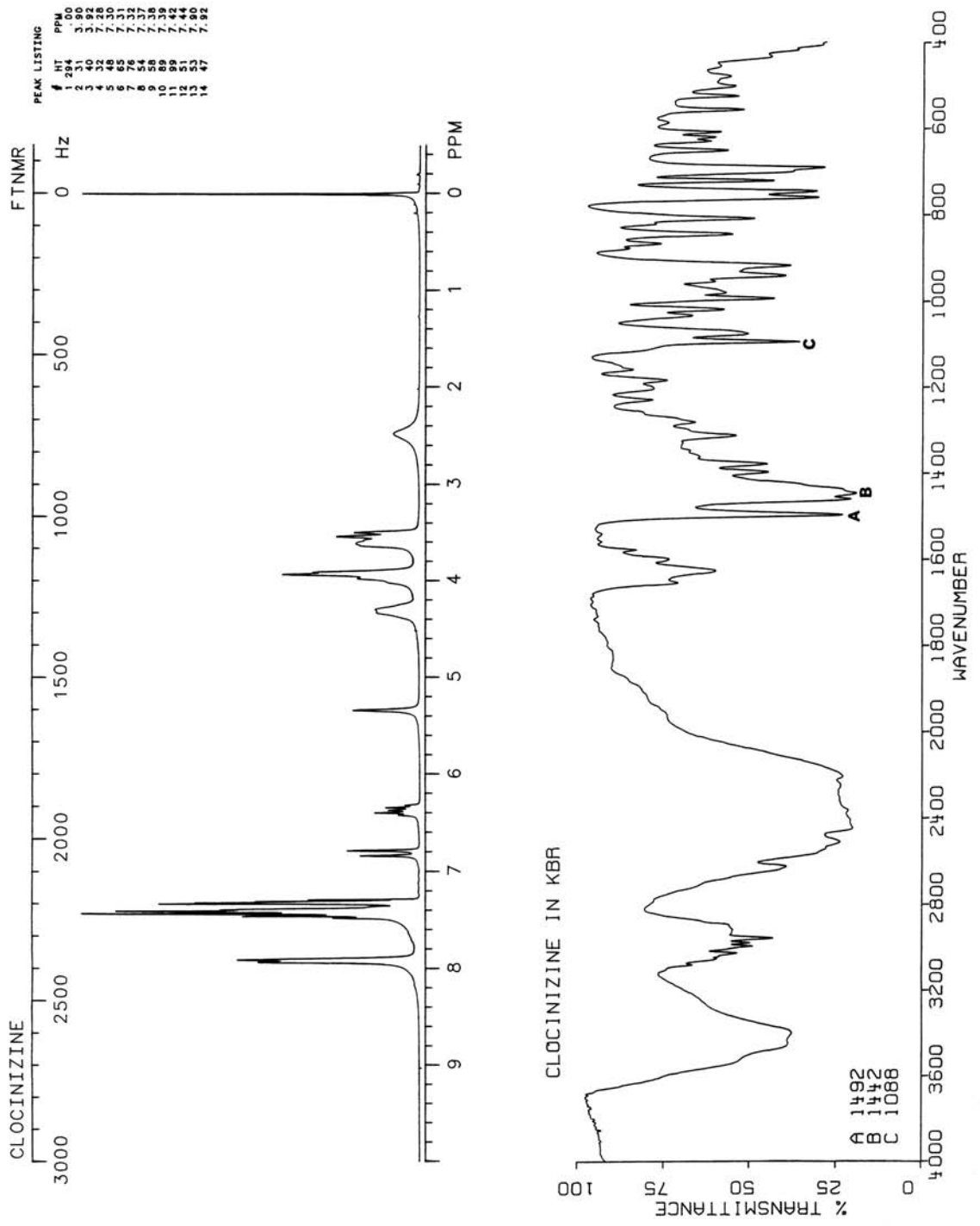
Synonyms: 1-[(4-Chlorophenyl)phenylmethyl]-4-(3-phenyl-2-propenyl)piperazine
Trade names: Denoral

Use: Antihistaminic
HPLC: 90A:10C; 3.7
GC: 3323; 280°







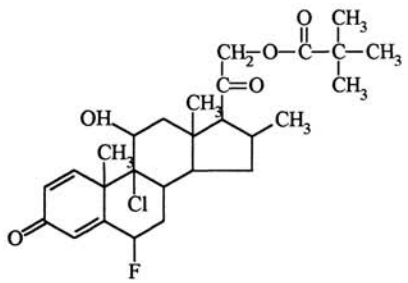

CLOCINIZINE
FTNMR
PEAK LISTING
HT PPM
1 294 7.00
2 31 3.90
3 40 3.92
4 32 7.28
5 48 7.30
6 65 7.31
7 76 7.32
8 54 7.37
9 58 7.38
10 89 7.39
11 99 7.42
12 51 7.44
13 53 7.90
14 47 7.92
0 Hz
3000 2500 2000 1500 1000 500
0 PPM
9 8 7 6 5 4 3 2 1
CLOCINIZINE IN KBR
% TRANSMITTANCE
100 75 50 25 0
A 1492
B 1442
C 1088
A
B
C
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

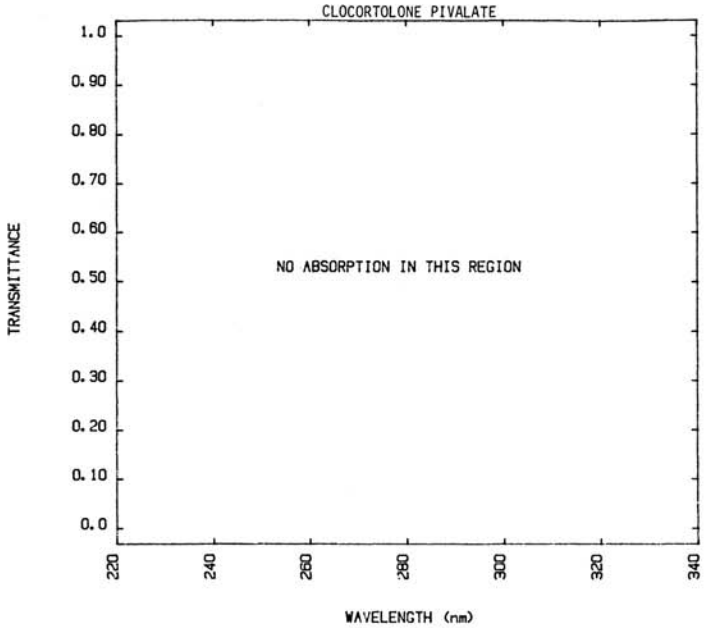
CLOCORTOLONE PIVALATE

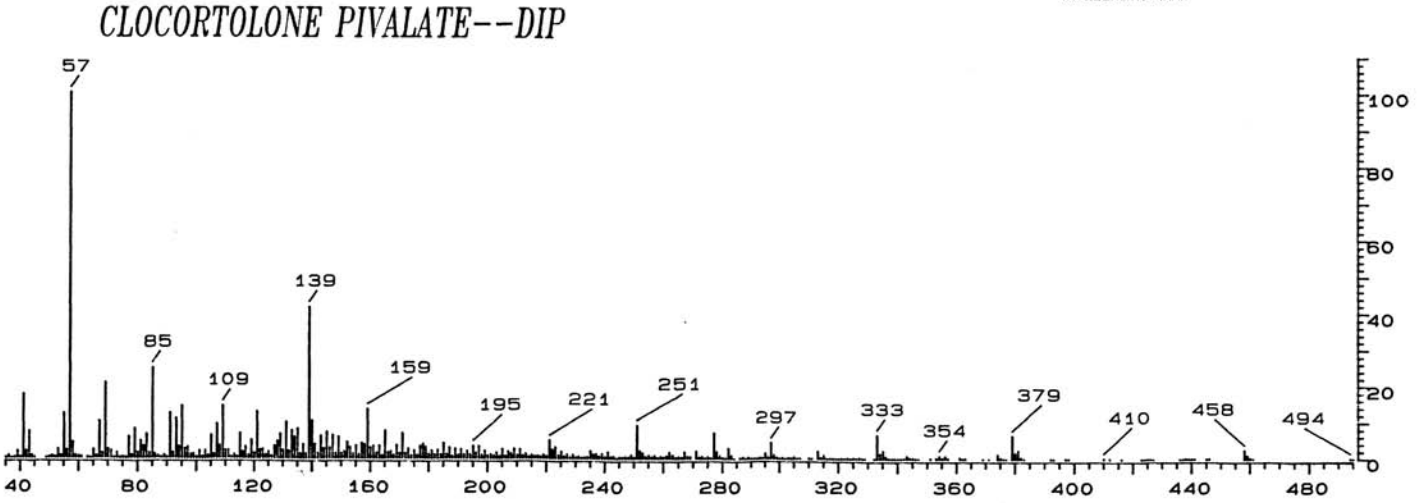
$C_{22}H_{28}ClFO_4$

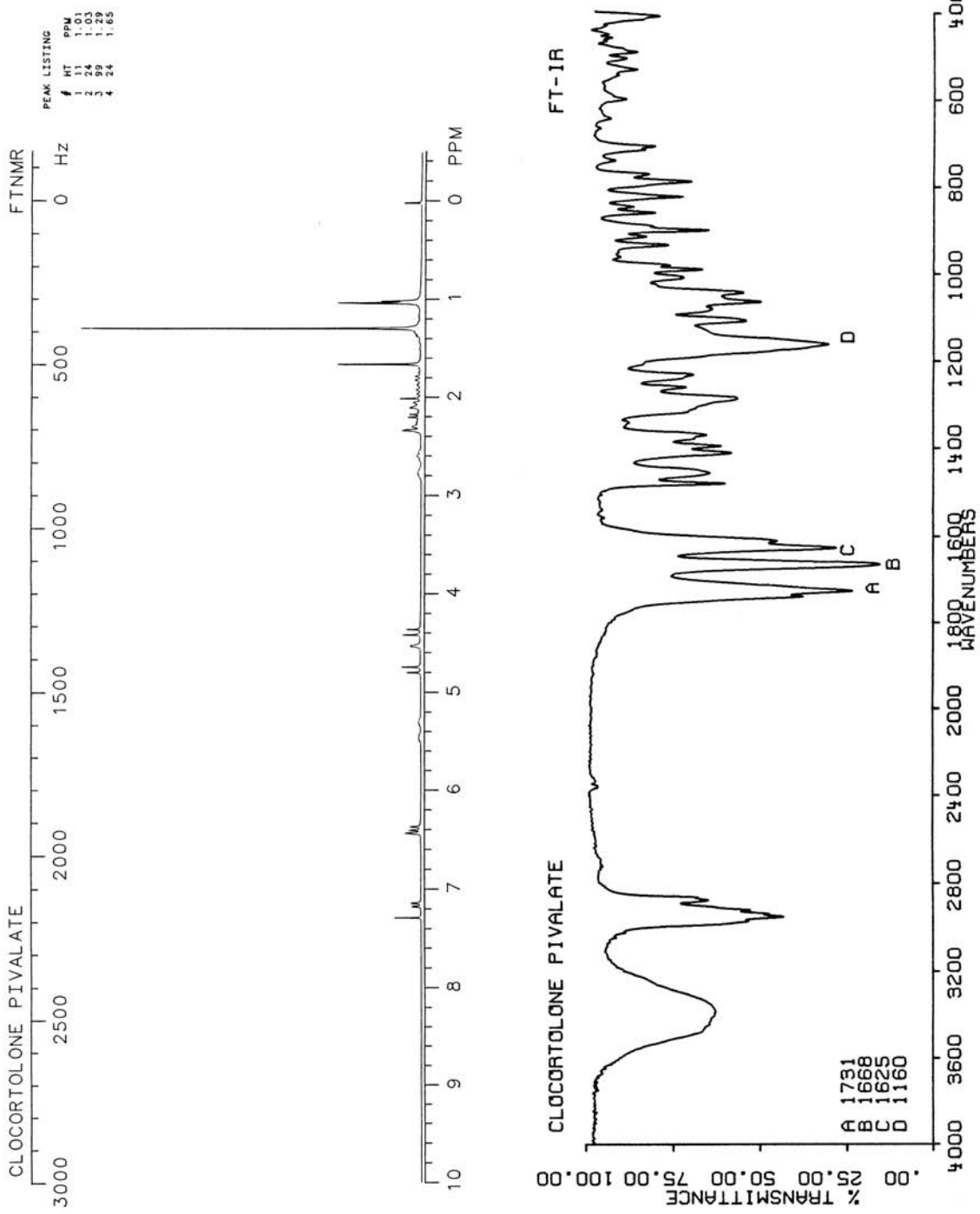
Molecular weight: 495.03 (494.22)
Synonyms: 9-Chloro-6α-fluoro-11α,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione *pivalate*
Trade names: Cloderm

Use: Glucocorticoid
HPLC: Si-10; 100B; 11.0
GC:








CLOCORTOLONE PIVALATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 11 1.01
2 24 1.03
3 99 1.29
4 24 1.65
10
9
8
7
6
5
4
3
2
1
0 PPM
CLOCORTOLONE PIVALATE
FT-IR
A 1731
B 1668
C 1625
D 1160
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

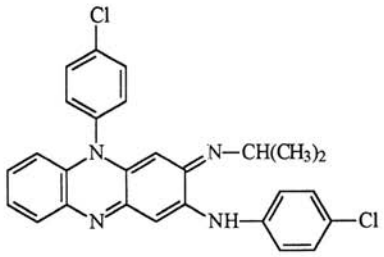
CLOFAZIMINE

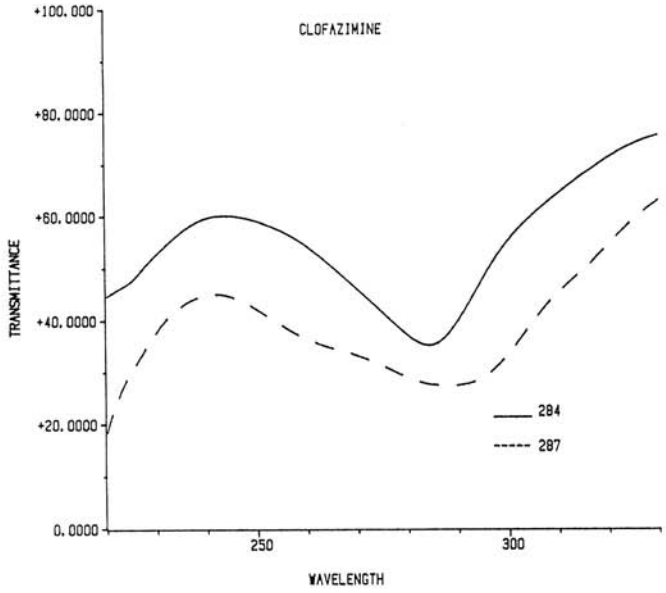
$C_{27}H_{22}Cl_2N_4$

Molecular Weight: 473.41 (472.12)

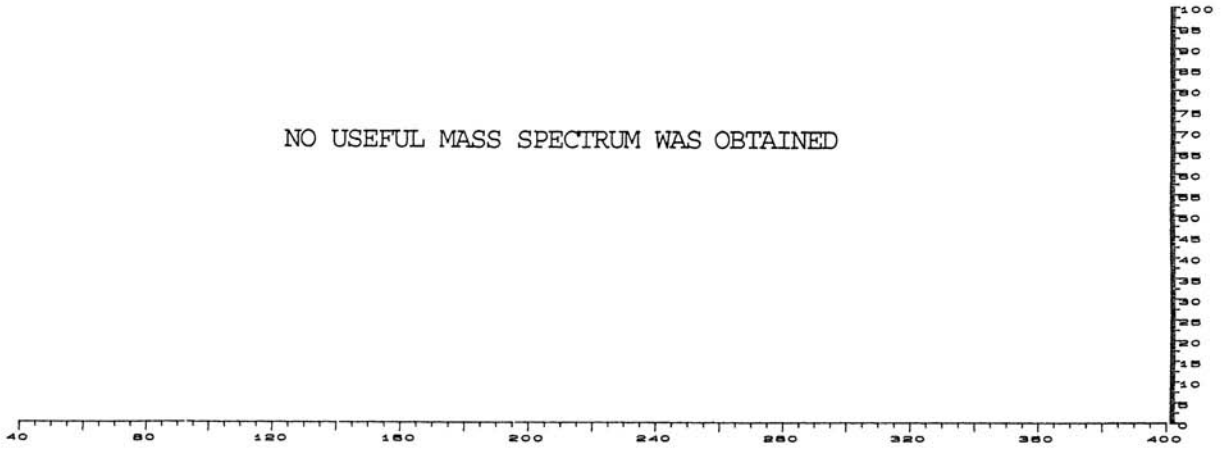
Synonyms: N,5-Bis-(4-chlorophenyl)-3,5-dihydro-3-[(1-methylethyl)imino]-2-phenazinamine;
Trade Names: Lamprene
Use: Antibacterial

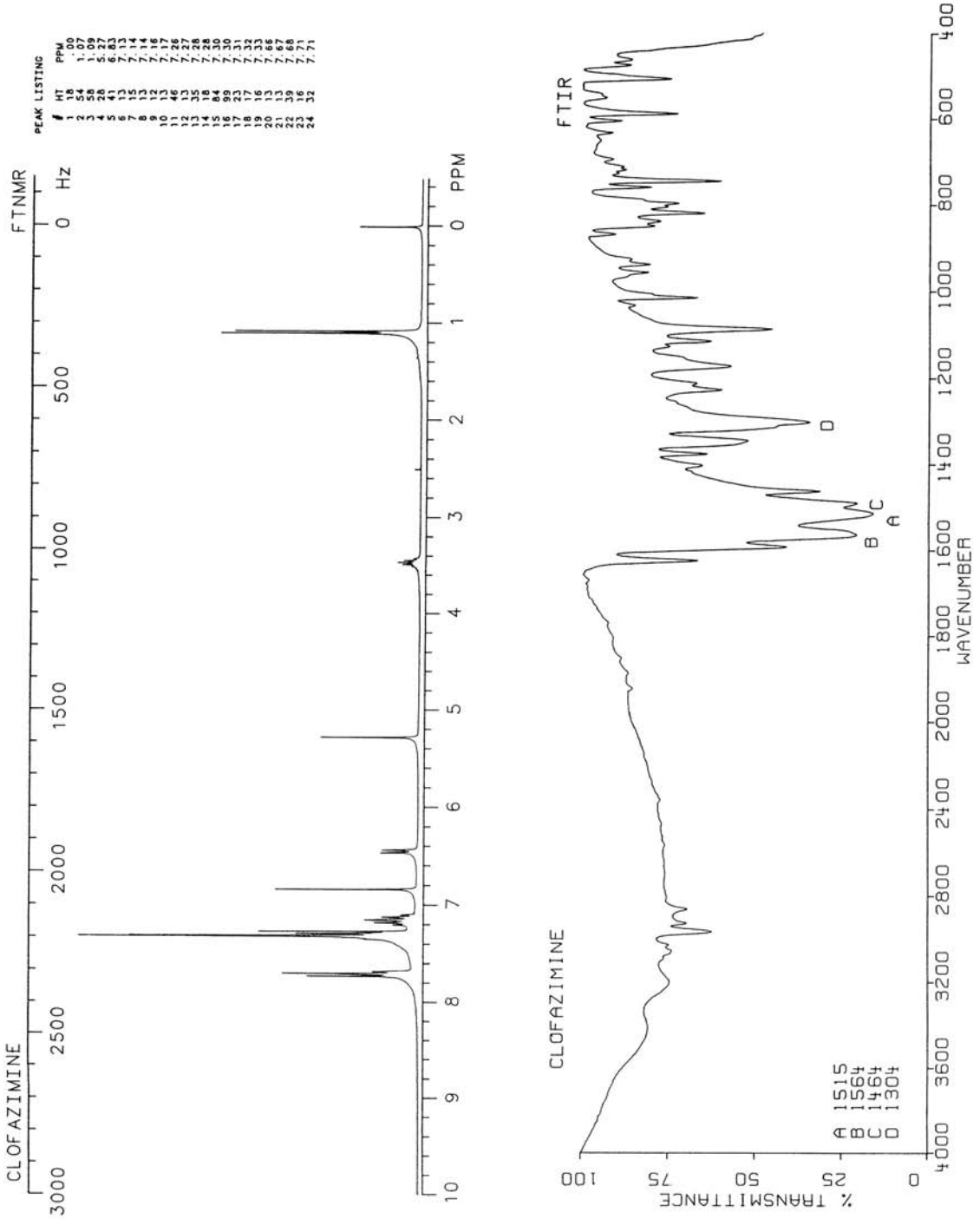
HPLC: Methanol: 4.0
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




CLOFAZIMINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 18 .00
2 54 1.07
3 56 1.09
4 28 5.27
5 41 6.83
6 13 7.13
7 15 7.14
8 13 7.14
9 12 7.16
10 11 7.17
11 46 7.26
12 13 7.27
13 35 7.28
14 18 7.28
15 84 7.30
16 89 7.31
17 23 7.31
18 17 7.32
19 16 7.33
20 13 7.66
21 13 7.67
22 39 7.68
23 16 7.71
24 32 7.71
10
9
8
7
6
5
4
3
2
1
0 PPM
CLOFAZIMINE
FTIR
100
75
50
25
0
% TRANSMITTANCE
A 1515
B 1564
C 1464
D 1304
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D

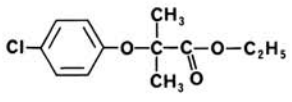
CLOFIBRATE

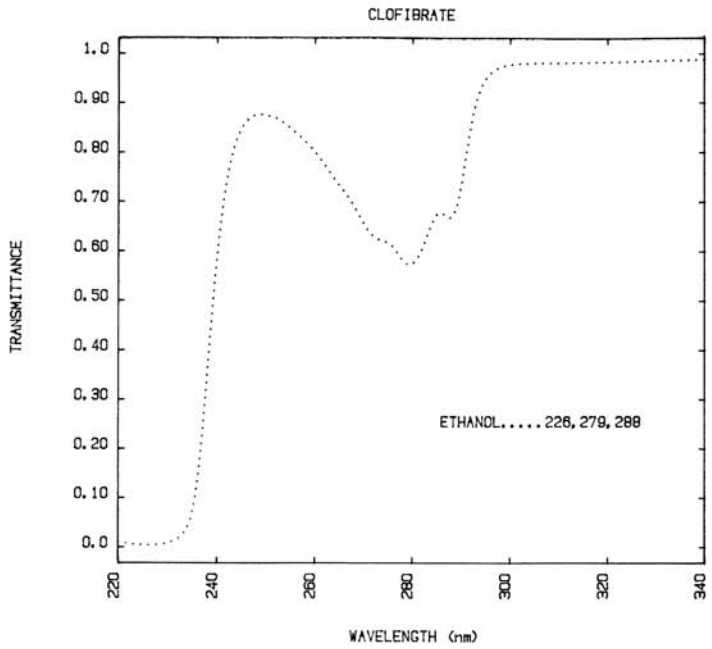
$C_{12}H_{15}ClO_3$

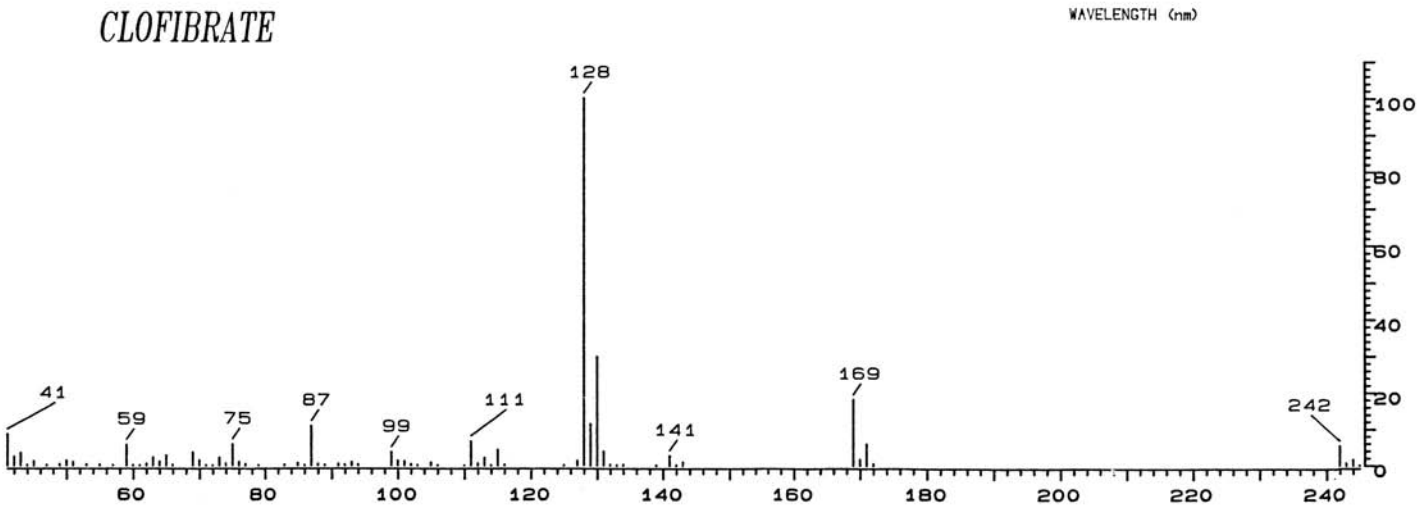
Molecular weight: 242.70 (242.07)
Synonyms: 2-(4-Chlorophenoxy)-2-methylpropanoic acid ethyl ester

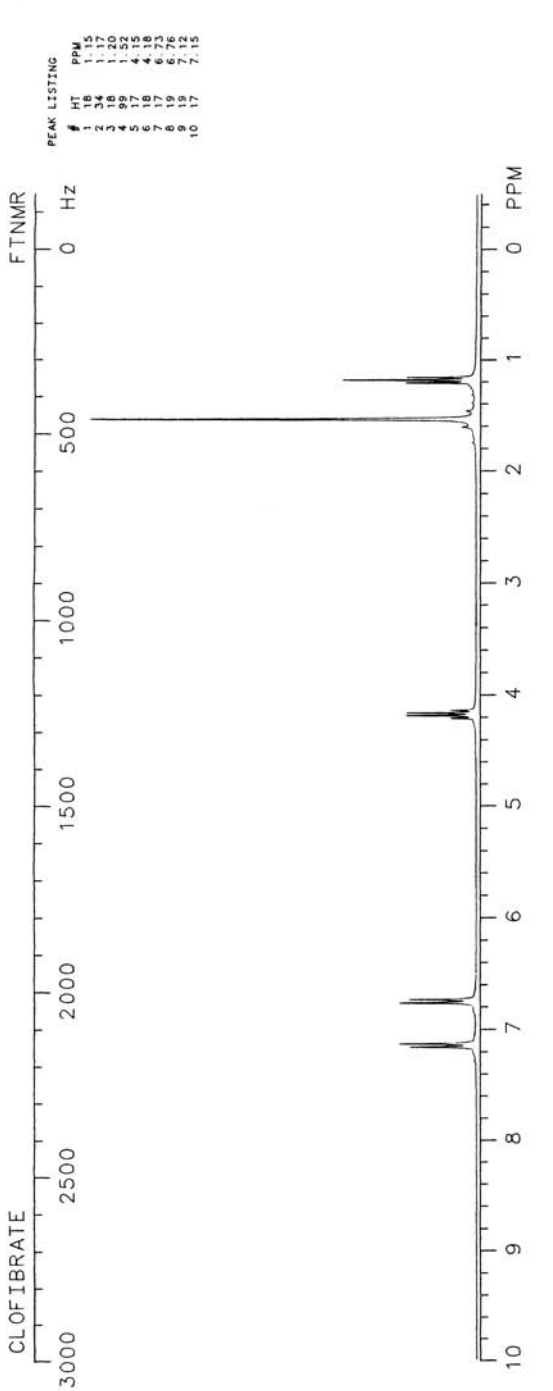
Trade names: Atromid-S

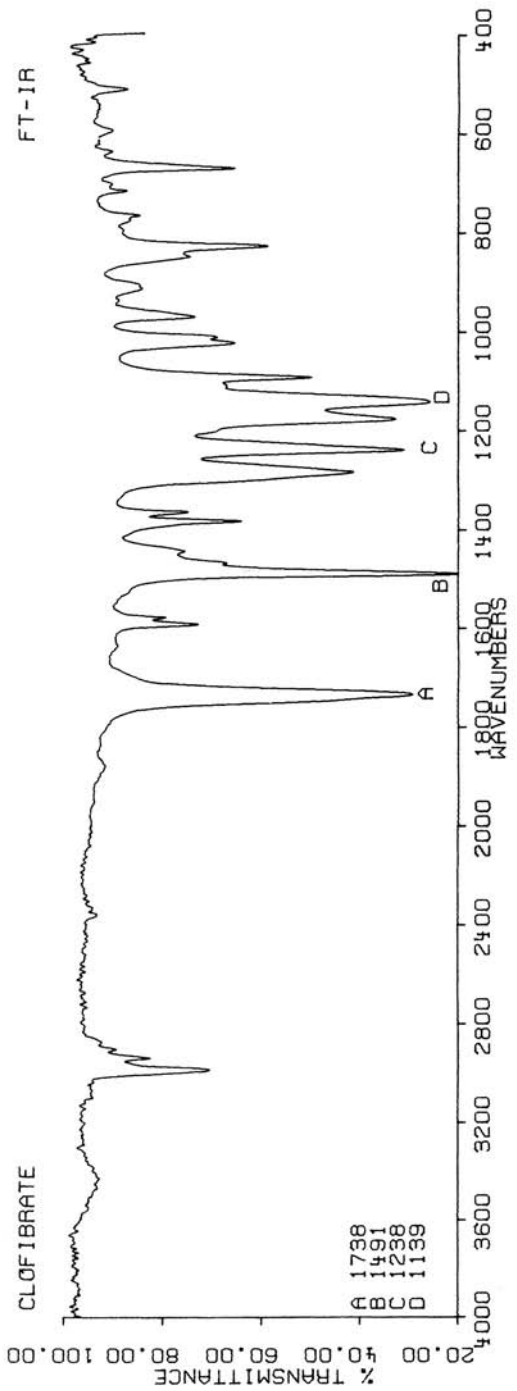
Use: Anticholesteremic
HPLC:
GC: 1557; 200°C








FTNMR
CLOFIBRATE
PEAK LISTING
HT PPM
1 18 1.15
2 34 1.17
3 18 1.20
4 99 1.52
5 17 4.15
6 18 4.16
7 17 6.73
8 19 6.76
9 19 7.12
10 17 7.15
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CLOFIBRATE
A 1738
B 1491
C 1238
D 1139
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

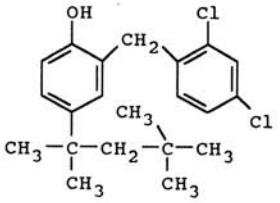
CLOFOCTOL

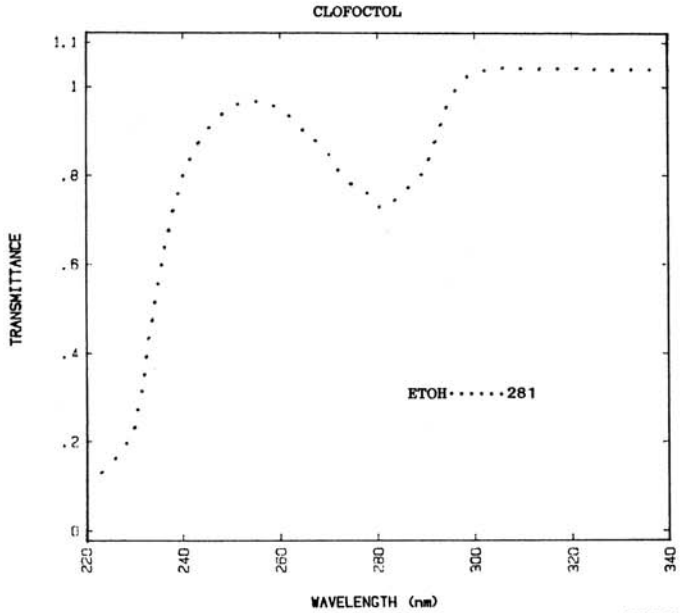
$C_{21}H_{26}Cl_2O$

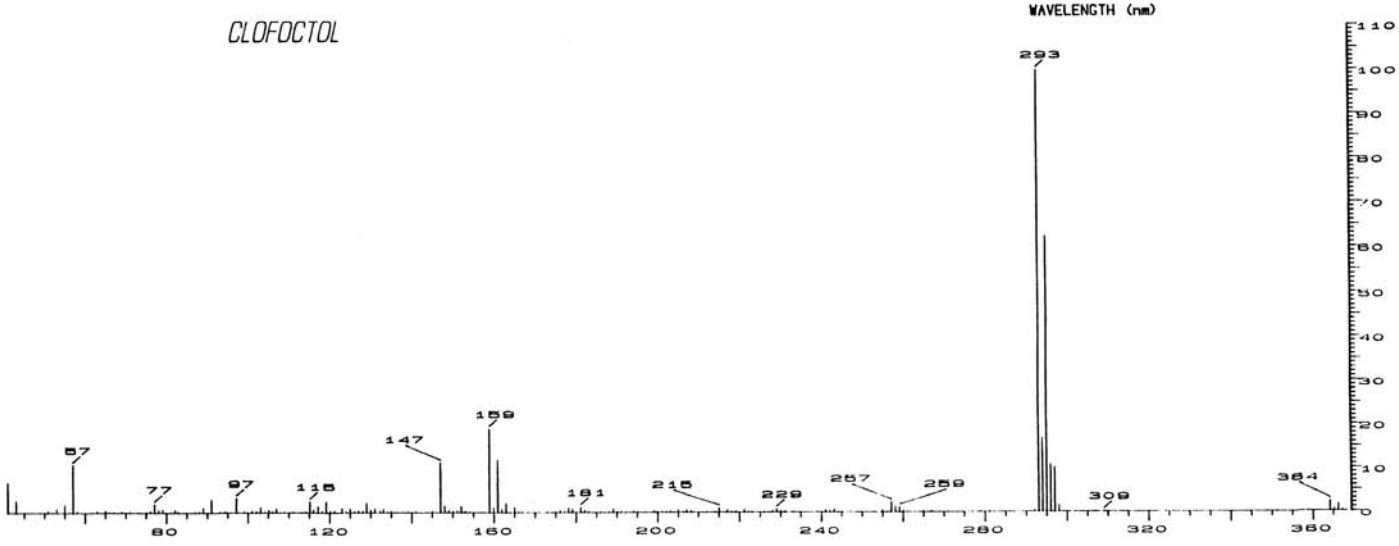
Molecular weight: 365.34 (364.14)

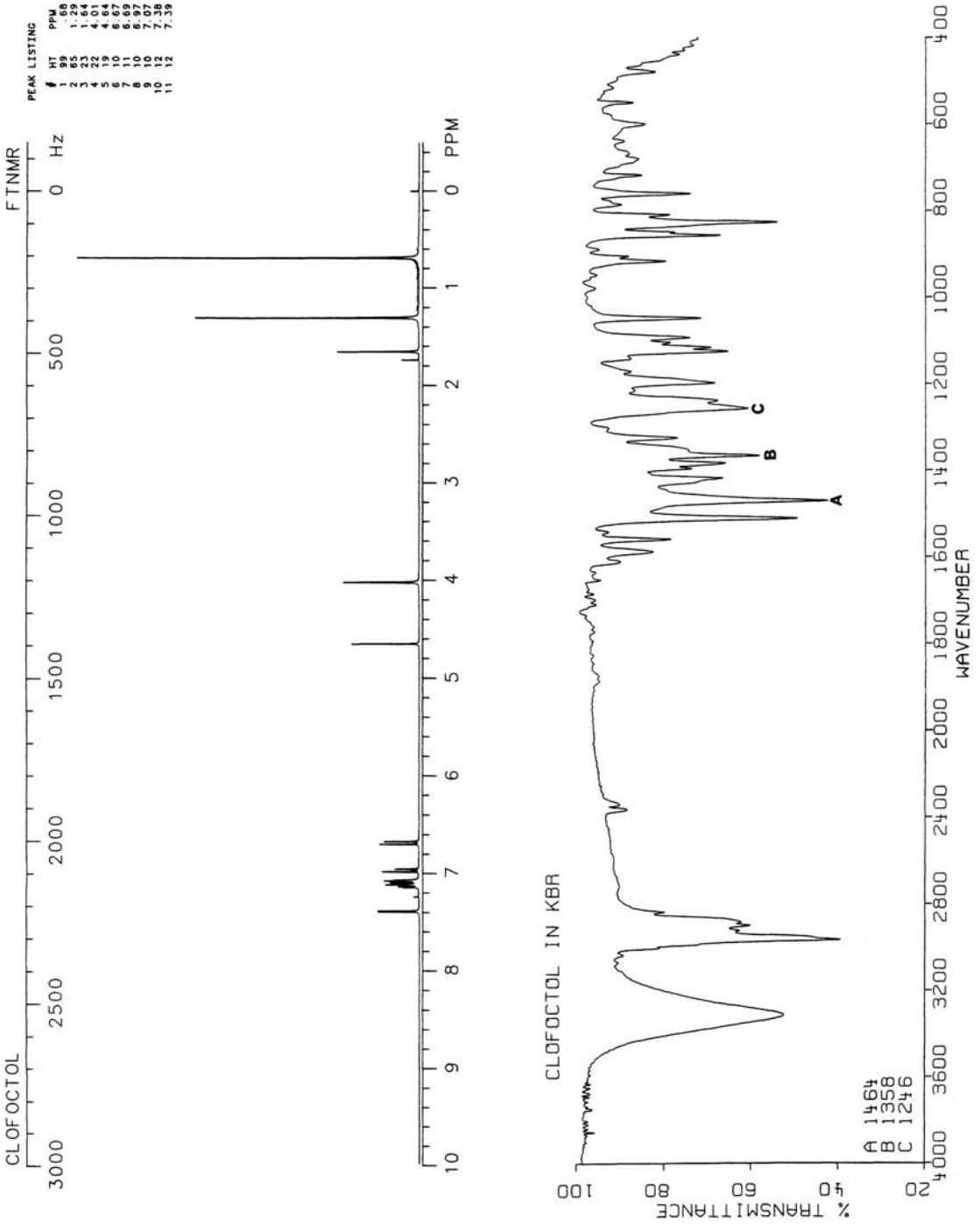
Synonyms: 2-[(2,4-Dichlorophenyl)methyl]-4-(1,1,3,3-tetramethylbutyl)phenol
Trade names: Gramplus, Octofene

Use: Antibacterial
HPLC: 90A:10C; 5.2
GC: 2623; 280°







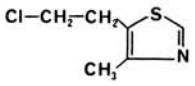

CLOFOCTOL
FTNMR
PEAK LISTING
HT PPM
1 99 .68
2 65 1.29
3 23 1.64
4 22 1.81
5 19 4.64
6 10 6.67
7 11 6.69
8 10 6.97
9 10 7.07
10 12 7.38
11 12 7.39
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLOFOCTOL IN KBR
A 1464
B 1358
C 1246
A
B
C
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

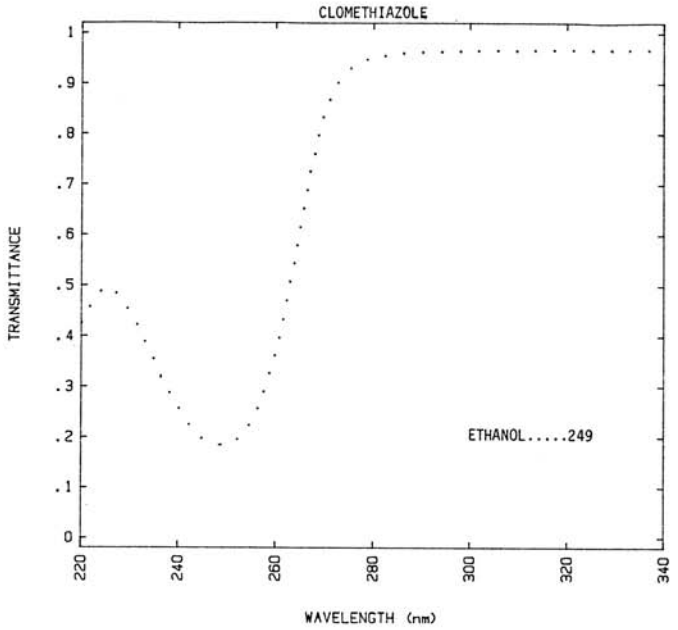
CLOMETHIAZOLE

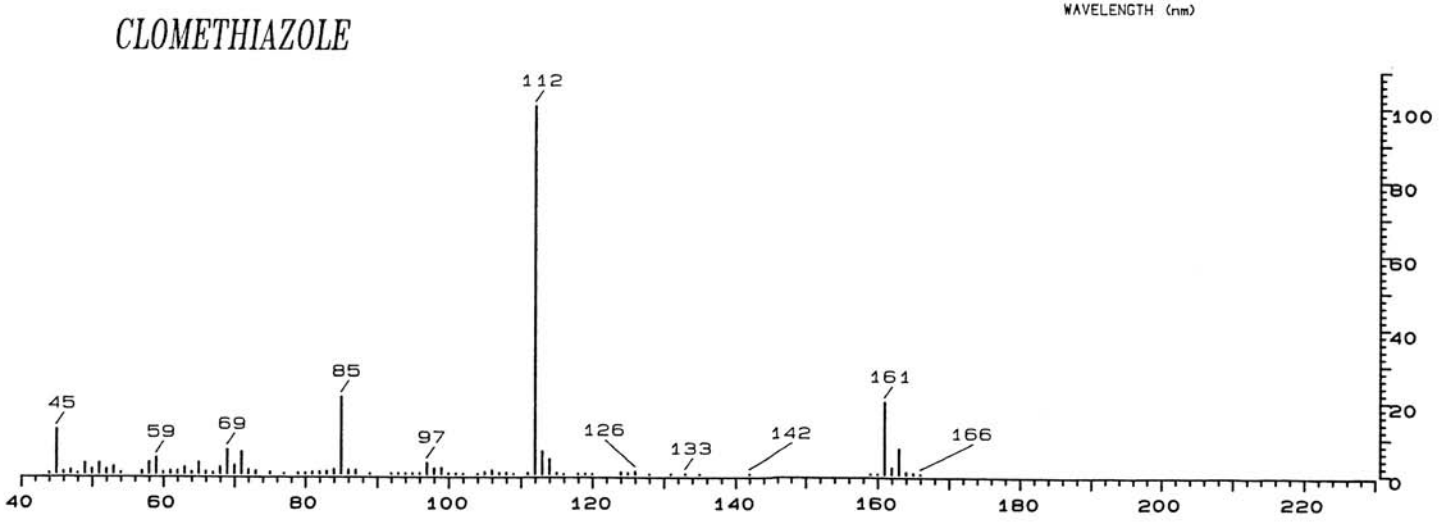
C_6H_8ClNS

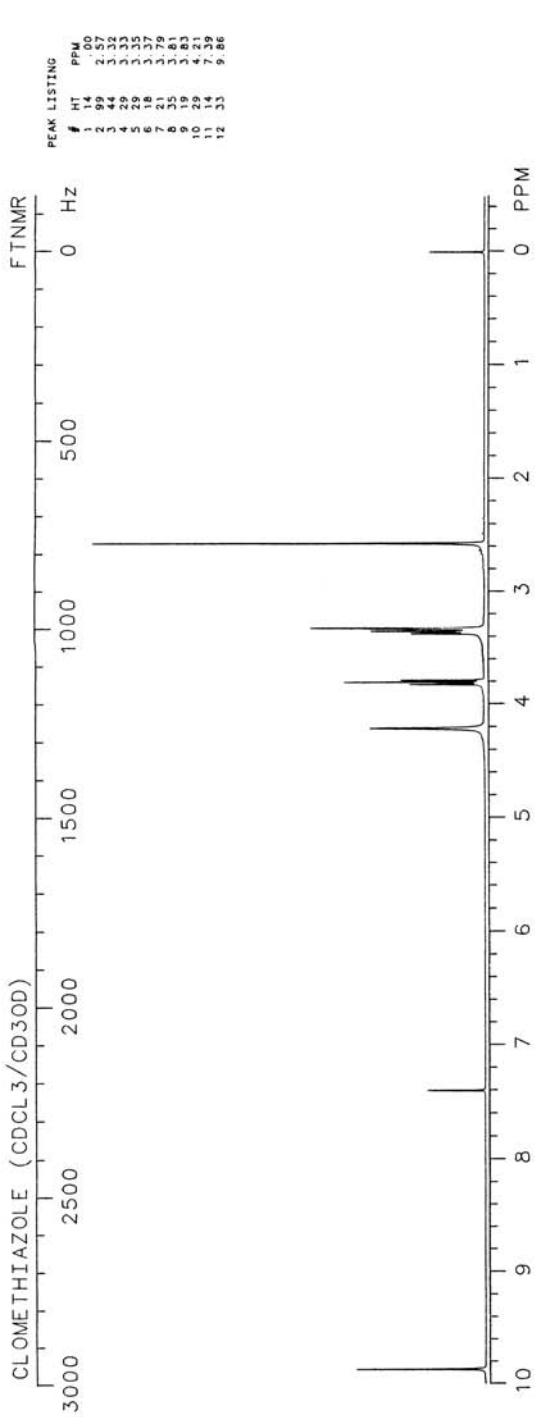
Molecular weight: 161.66 (161.01)
Synonyms: 5-(2-Chloroethyl)-4-methylthiazole; chlorethiazol; chlormethiazole
Trade names: Distraneurin, Hemineurin, Heminevrin

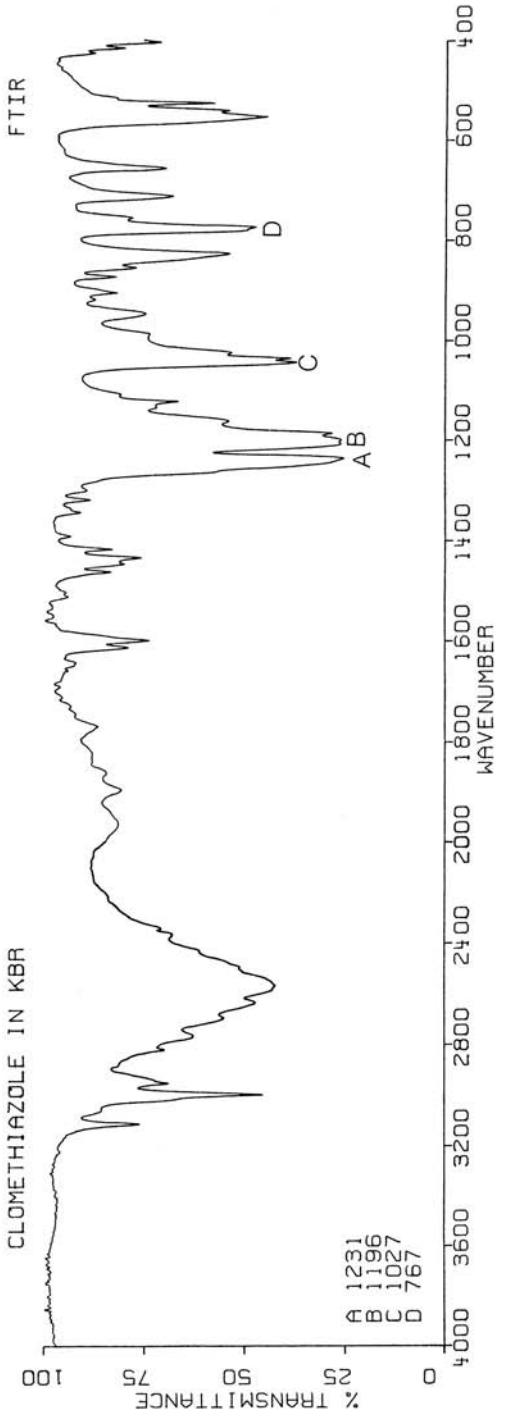
Use: Tranquilizer, anticonvulsant
HPLC: Si-10; 20B:80C; 4.2
GC: 1231; 140°C








FTNMR
CLOMETHIAZOLE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 14 .00
2 99 2.57
3 44 3.32
4 29 3.33
5 29 3.35
6 18 3.37
7 21 3.79
8 35 3.81
9 19 3.83
10 29 4.21
11 14 7.39
12 33 9.86
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

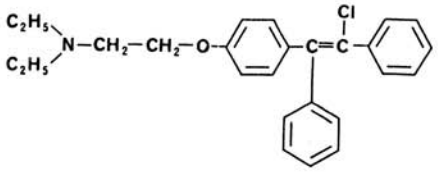

FTIR
CLOMETHIAZOLE IN KBR
A 1231
B 1196
C 1027
D 767
A
B
C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

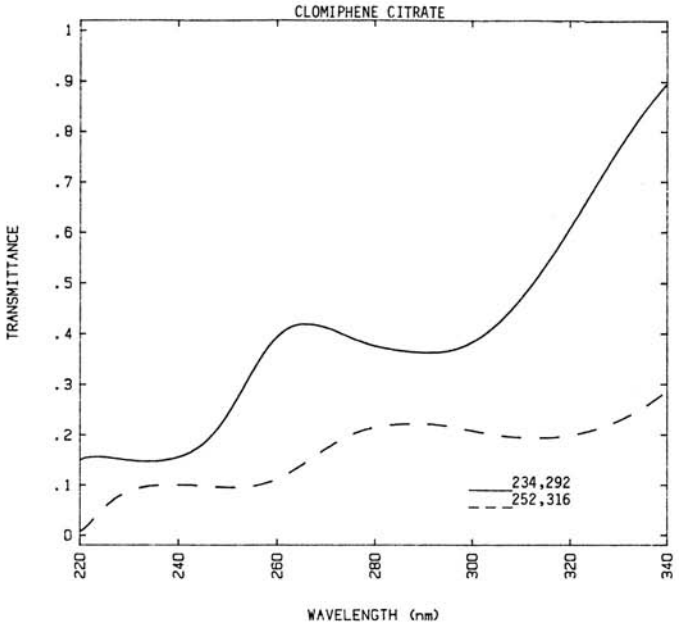
CLOMIPHENE

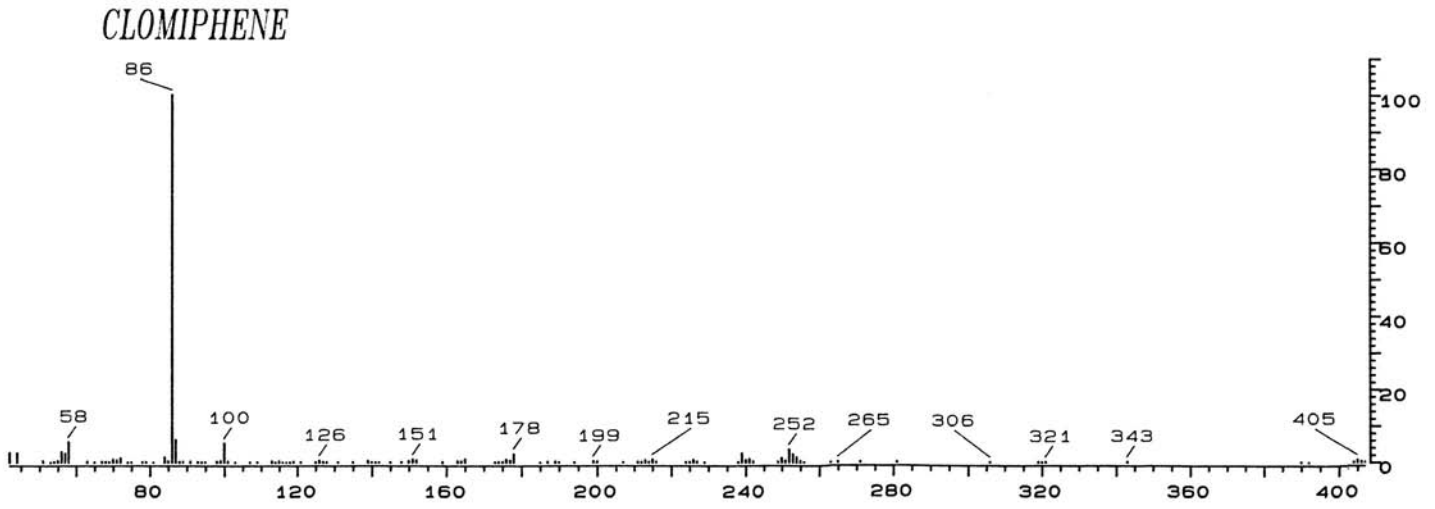
$C_{26}H_{28}ClNO$

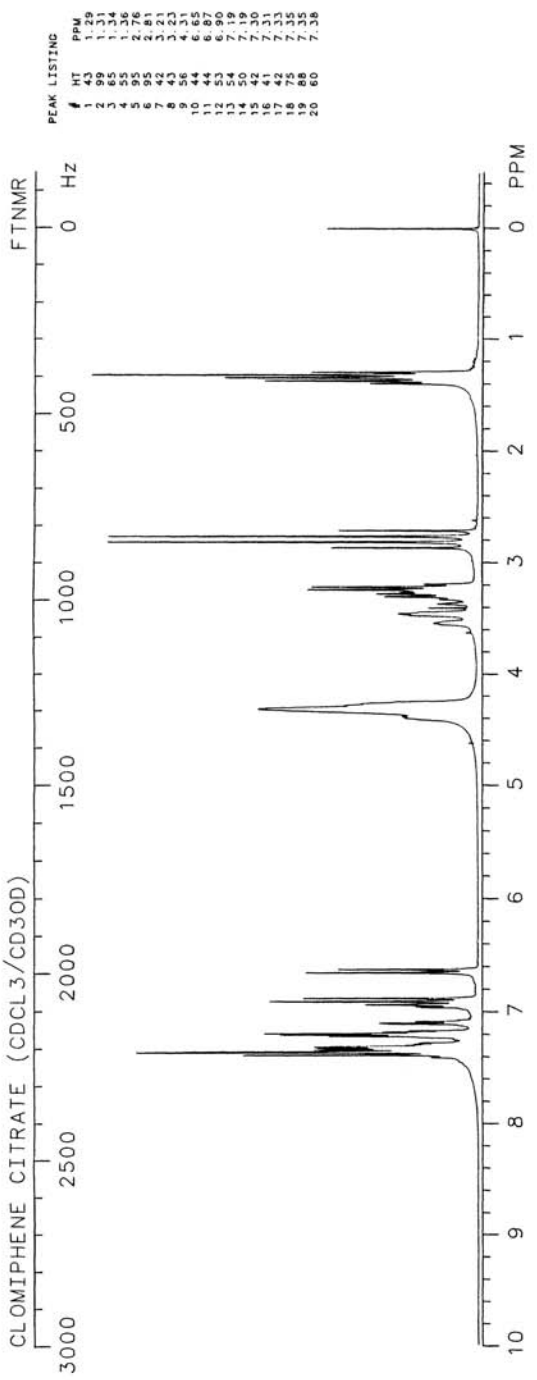
Molecular weight: 405.98 (405.19)
Synonyms: 2-[4=(-chloro-1,2-diphenylethenyl)-phenoxy]-N,N-diethylethanamine; clomifene; chloramiphene
Trade names: Clomid, Clomivid, Dyneric, Serophene

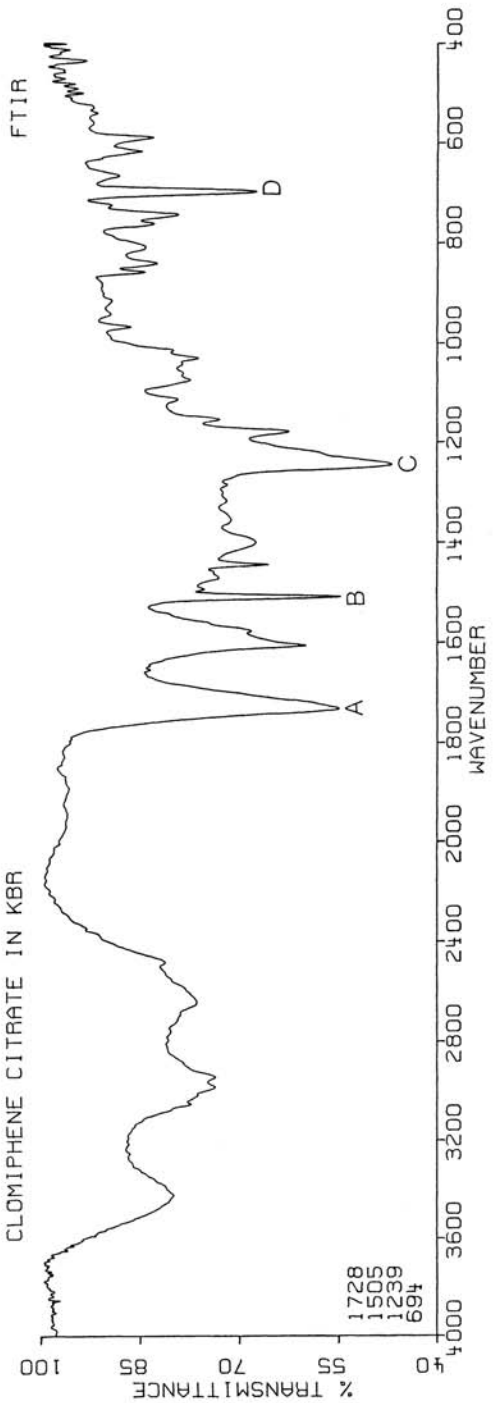
Use: Pituitary
HPLC: Si-10; 2A:98B; 7.0
GC: 2976; 280°C








CLOMIPHENE CITRATE (CDCL3/CD3OD)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 43 1.29
2 99 1.31
3 65 1.34
4 55 1.36
5 95 2.76
6 95 2.81
7 42 3.21
8 43 3.23
9 56 4.51
10 44 6.65
11 44 6.87
12 53 6.90
13 54 7.19
14 50 7.30
15 42 7.31
16 41 7.33
17 42 7.35
18 75 7.35
19 88 7.35
20 60 7.38


CLOMIPHENE CITRATE IN KBR
FTIR
% TRANSMITTANCE
100
85
70
55
40
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D
1728
1505
1239
694

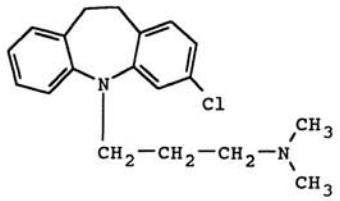
CLOMIPRAMINE

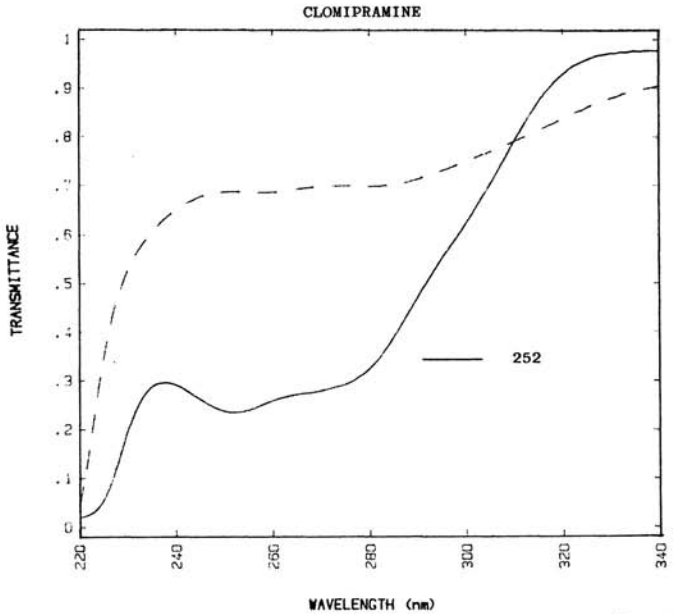
$C_{19}H_{23}ClN_2$

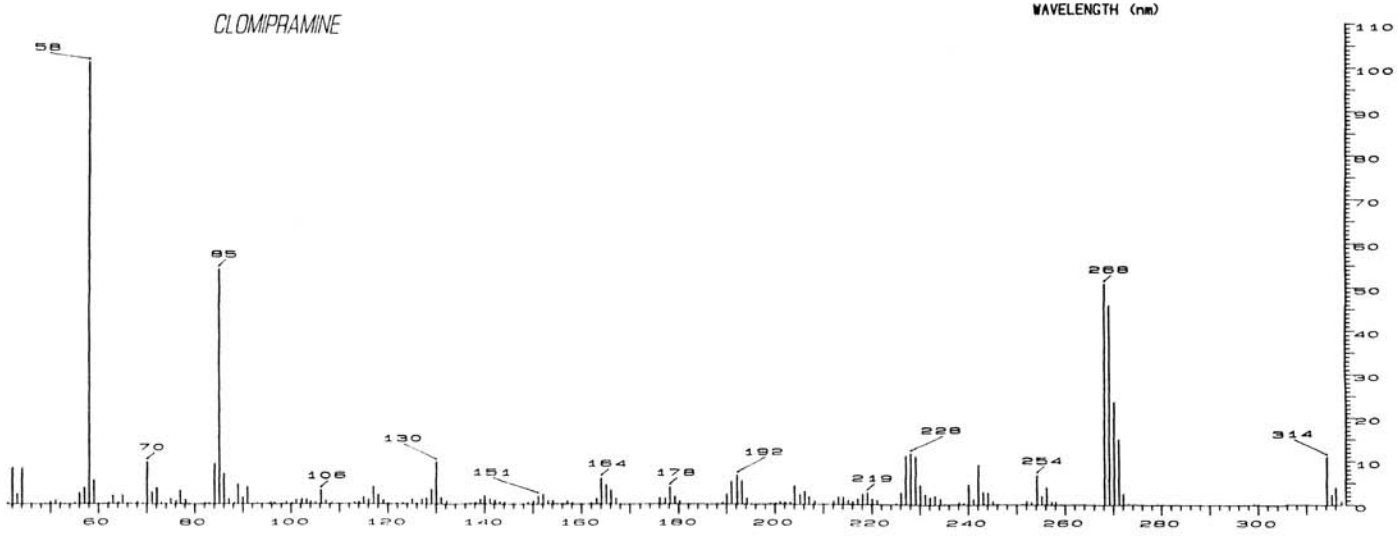
Molecular weight: 314.87 (314.16)

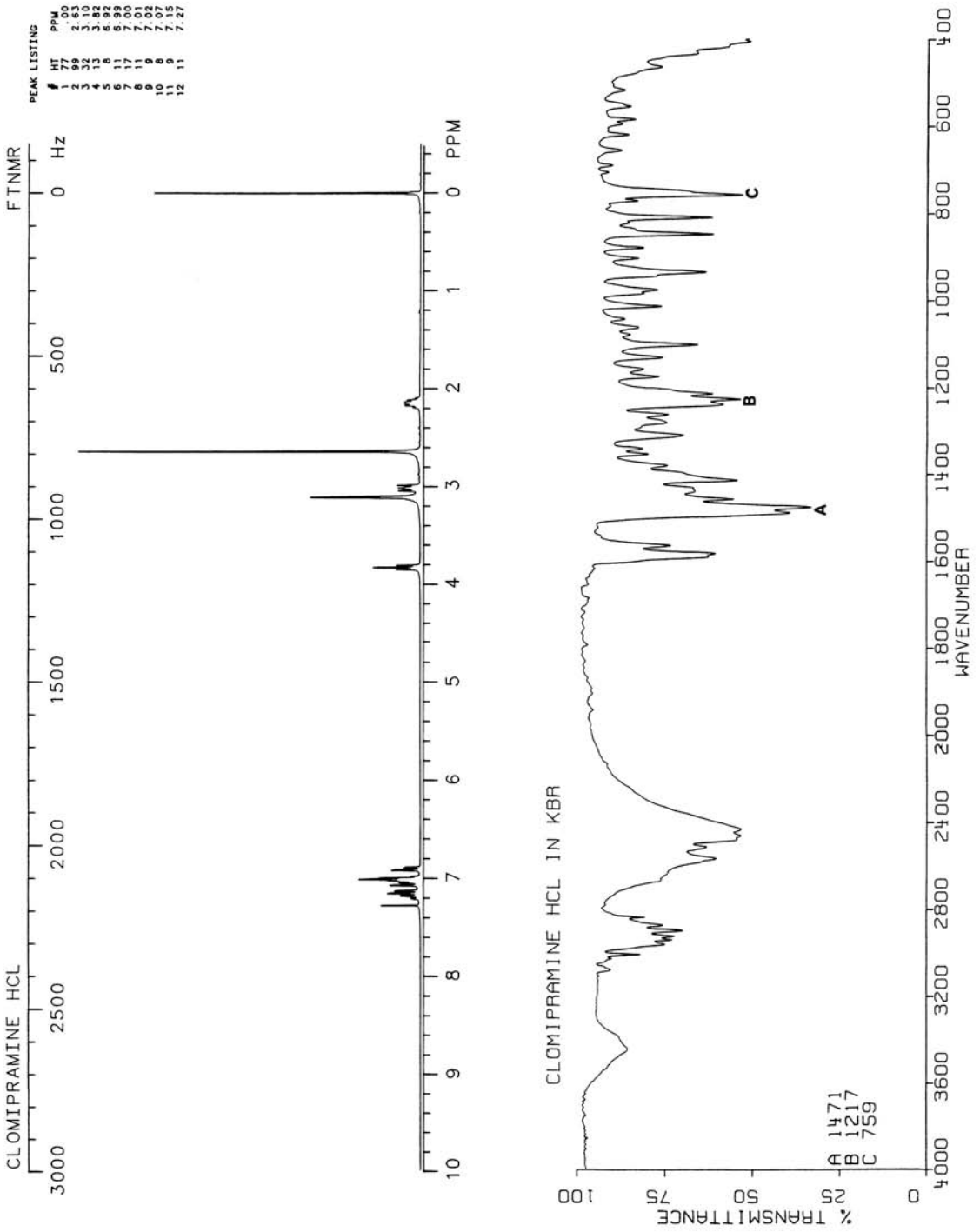
Synonyms: 3-Chloro-10,11-dihydro-N,N-dimethyl-5H-dibenz [b,f]azepine-5-propanamine; chlorimipramine
Trade names: Anafranil

Use: Antidepressant
HPLC: 90A:10C; 3.3
GC: 2488; 280°







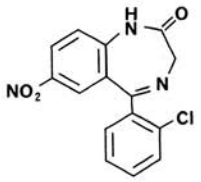

CLOMIPRAMINE HCL
FTNMR
PEAK LISTING
HT PPM
1 77 .00
2 99 2.63
3 32 3.10
4 13 3.82
5 8 6.92
6 11 6.99
7 17 7.00
8 11 7.01
9 9 7.02
10 8 7.07
11 9 7.15
12 11 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLOMIPRAMINE HCL IN KBR
A 1471
B 1217
C 759
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

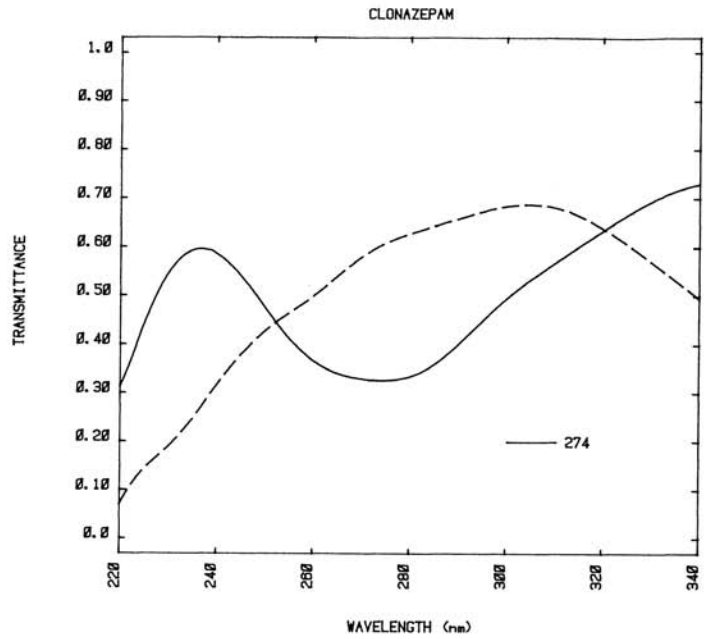
CLONAZEPAM

$C_{15}H_{10}ClN_3O_3$

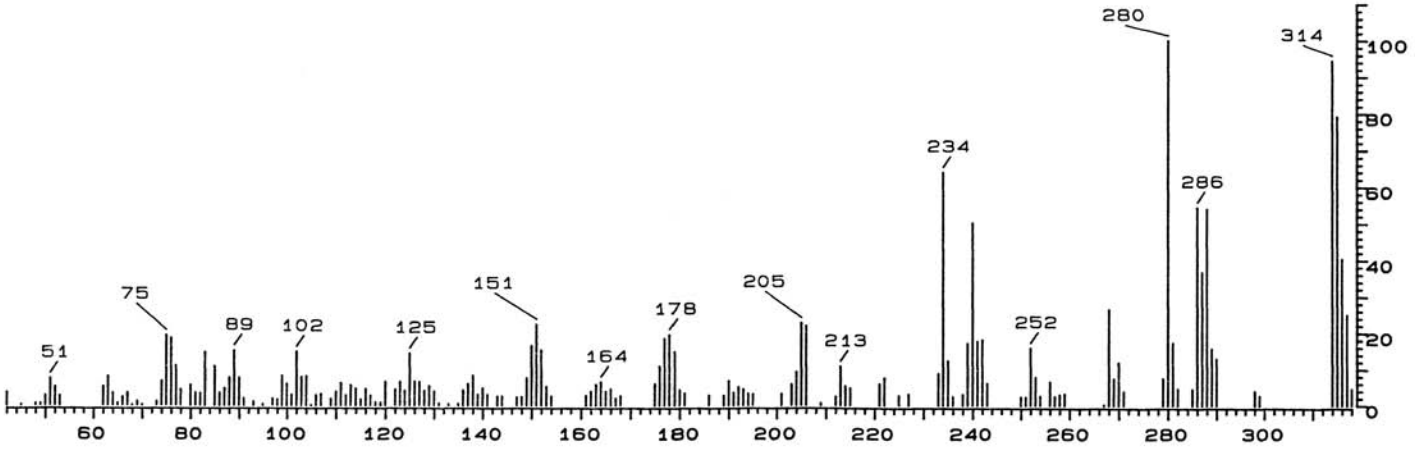
Molecular weight: 315.72 (315.04)
Synonyms: 5-(o-Chlorophenyl)-1,3-dihydro-7-nitro-2H-1,4-benzodiazepin-2-one
Trade names: Clonopin

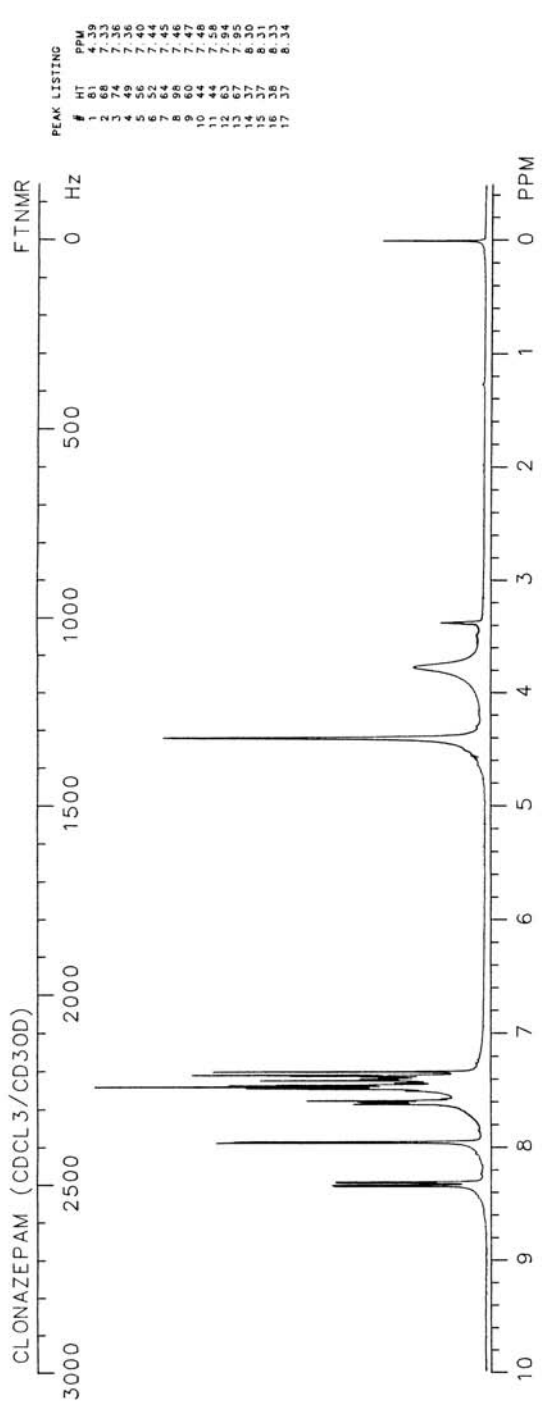
Use: Anticonvulsant
HPLC: Si-10; 1A:99B; 7.5
GC: 2961; 280°C

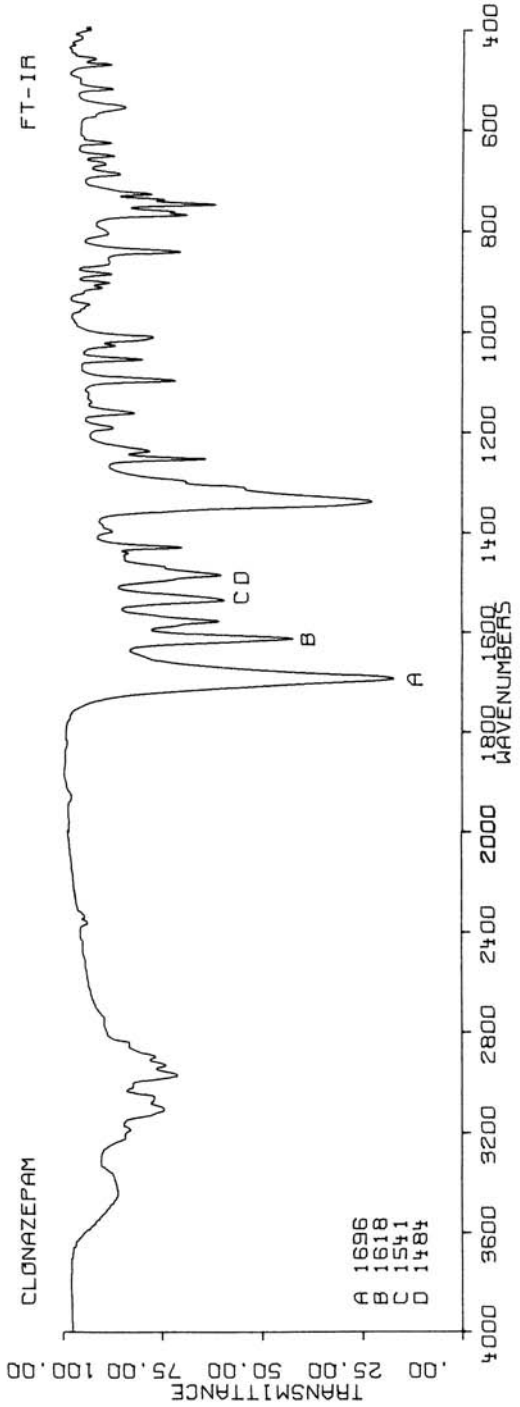




CLONAZEPAM




CLONAZEPAM (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 81 4.39
2 68 7.33
3 74 7.36
4 49 7.36
5 56 7.40
6 52 7.44
7 64 7.45
8 86 7.46
9 80 7.47
10 44 7.48
11 44 7.58
12 63 7.94
13 67 7.95
14 37 8.30
15 37 8.31
16 38 8.33
17 37 8.34


FT-IR
CLONAZEPAM
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C D
A 1696
B 1618
C 1541
D 1484

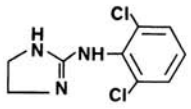
CLONIDINE

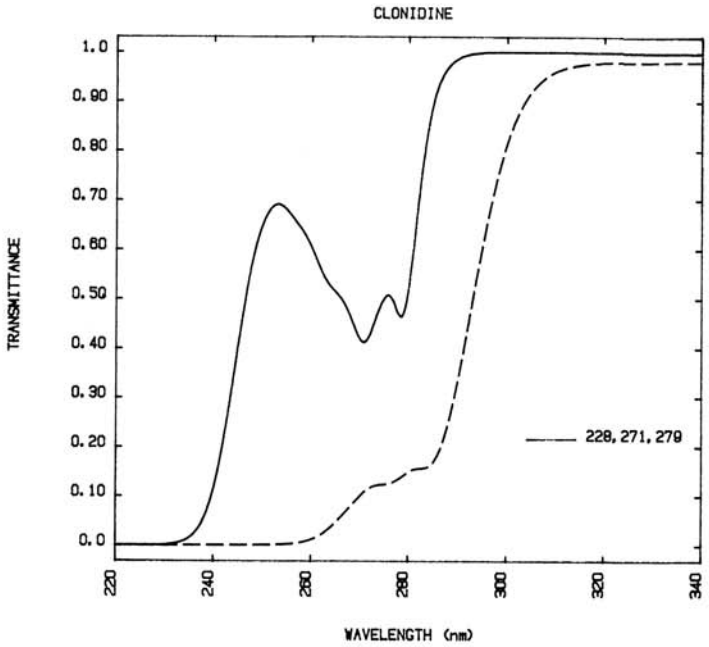
$C_9H_9Cl_2N_3$

Molecular weight: 230.10 (229.02)
Synonyms: 2-(2,6-Dichloroanilino)-2-imidazoline

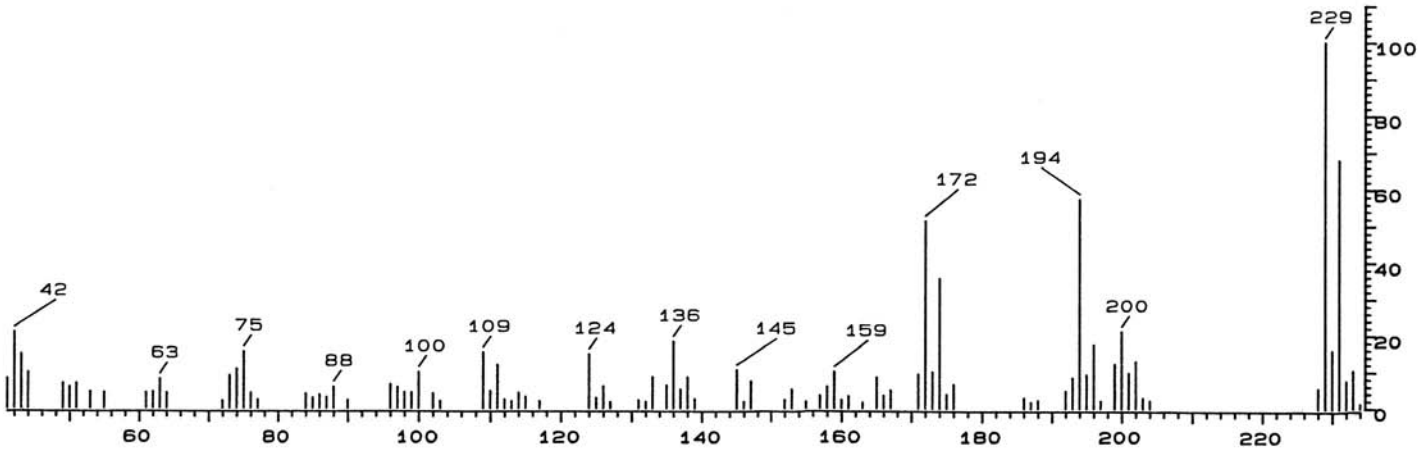
Trade names: Catapres, Combipres

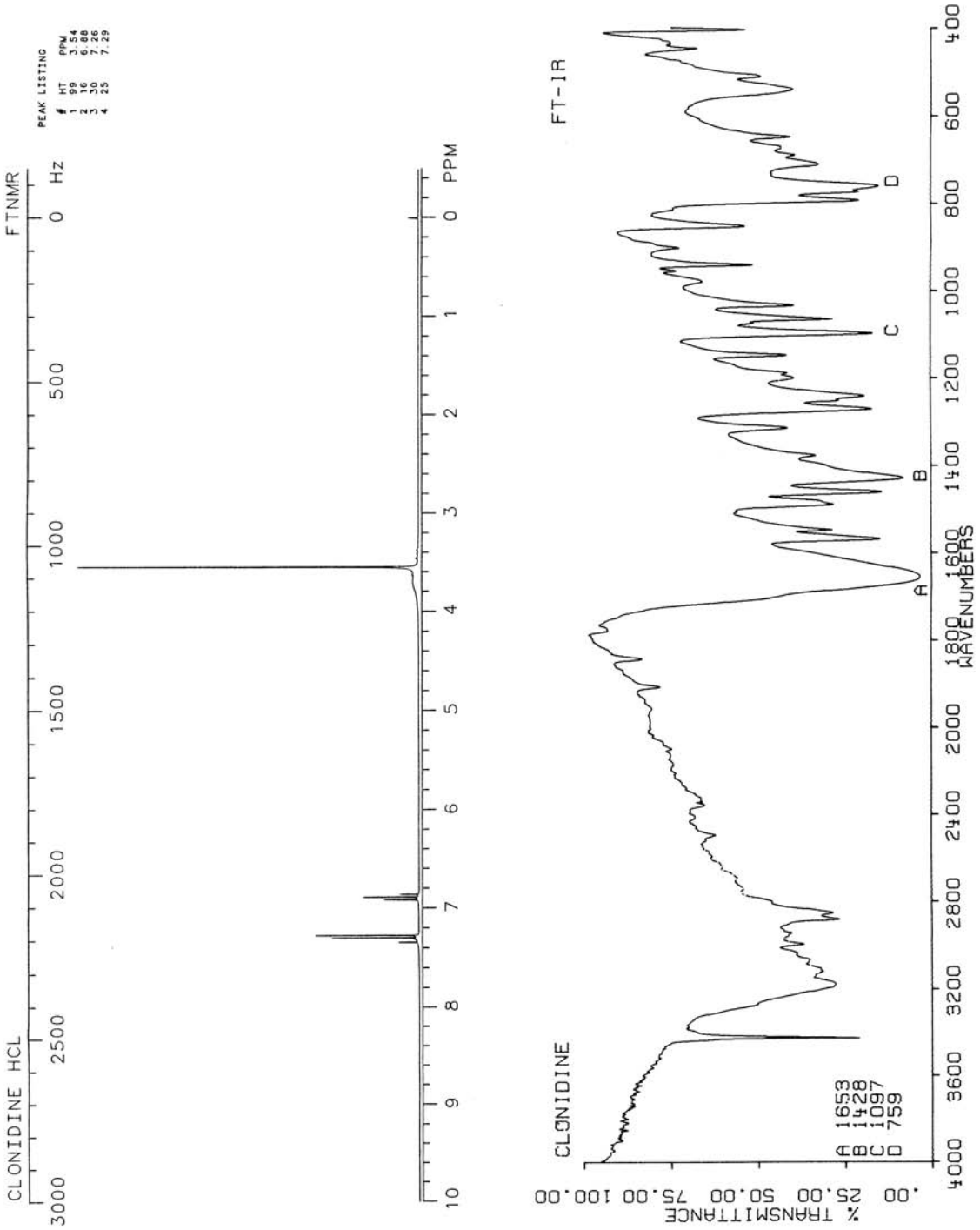
Use: Antihypertensive
HPLC: Si-10; 5A:95B; 4.0
GC: 2119; 200°C





CLONIDINE




FTNMR
CLONIDINE HCL
PEAK LISTING
HT PPM
1 99 3.54
2 16 6.88
3 30 7.26
4 25 7.29
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
CLONIDINE
A 1653
B 1428
C 1097
D 759
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

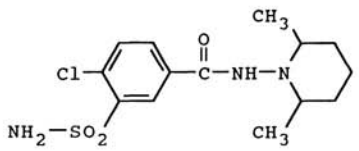
CLOPAMIDE

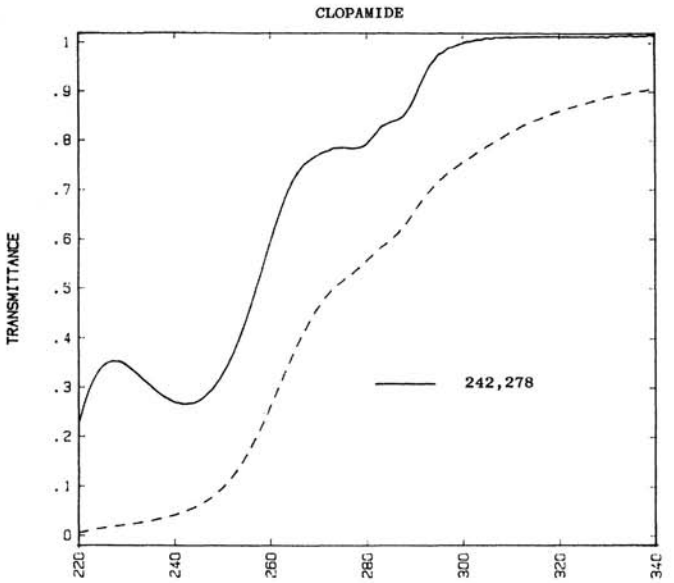
$C_{14}H_{20}ClN_3O_3S$

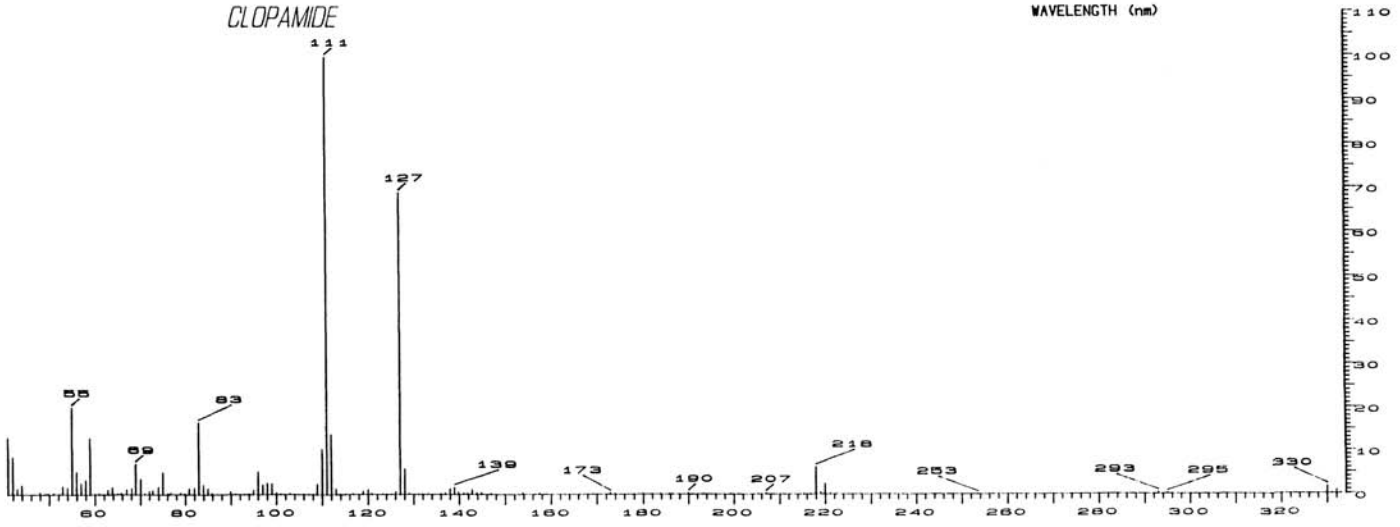
Molecular weight: 345.86 (345.09)

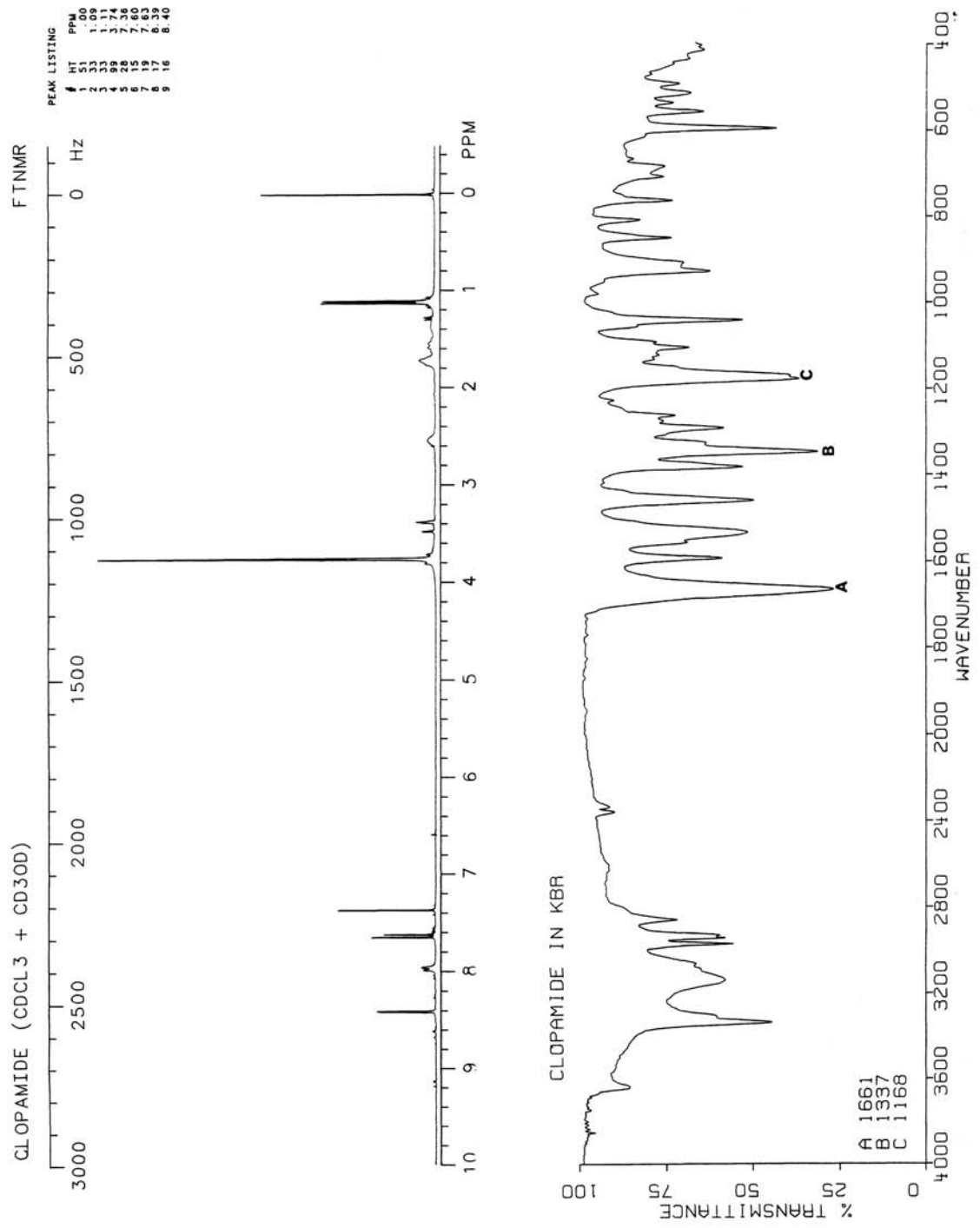
Synonyms: (cis)-3-(Aminosulfonyl)-4-chloro-N-(2,6-dimethyl-1-piperidinyl)-benzamide; chlosudimeprimyl
Trade names: Adurix, Aquex, Brinaldix, Viskaldix

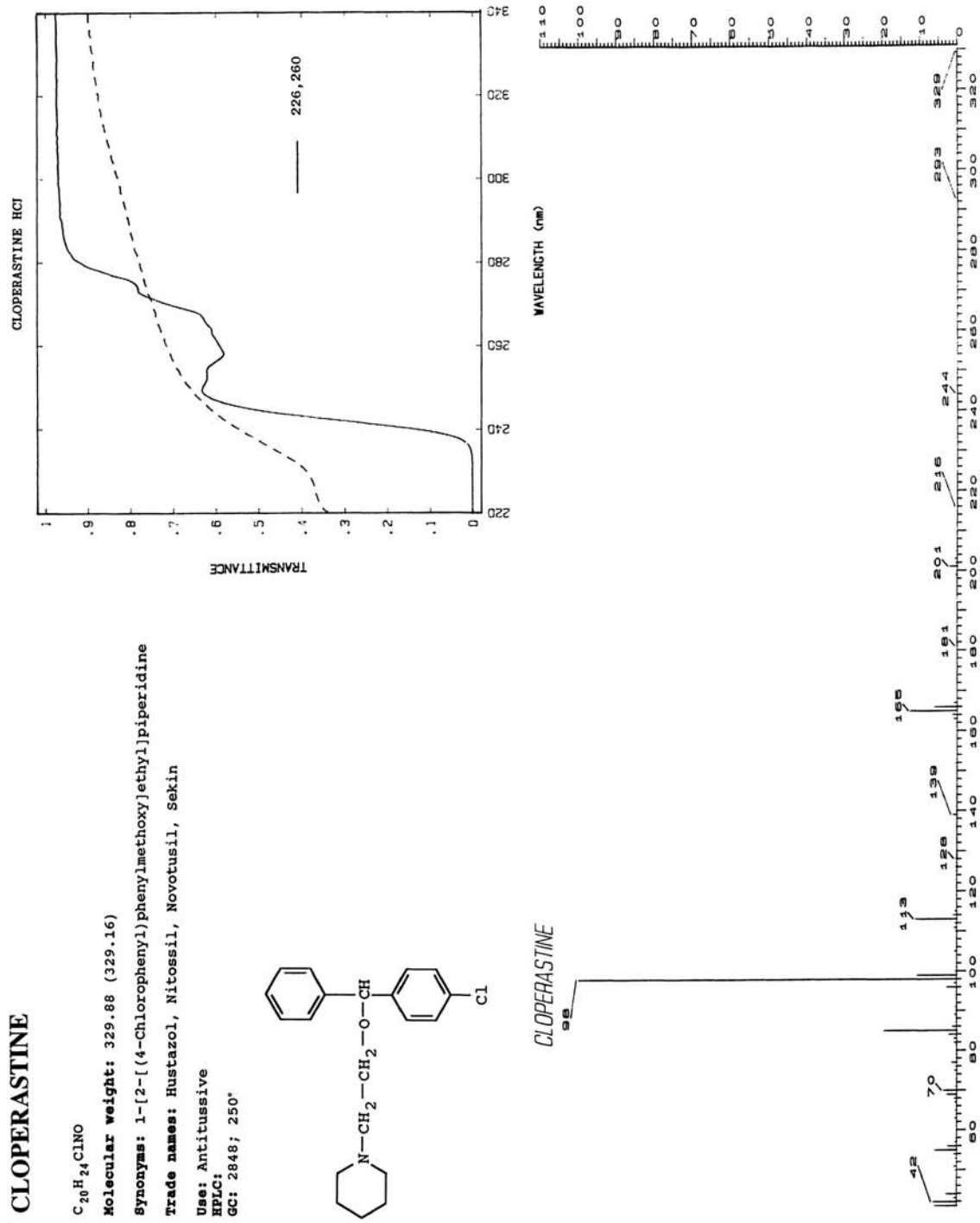
Use: Antihypertensive, diuretic
HPLC: 70A:30B; 2.9
GC:

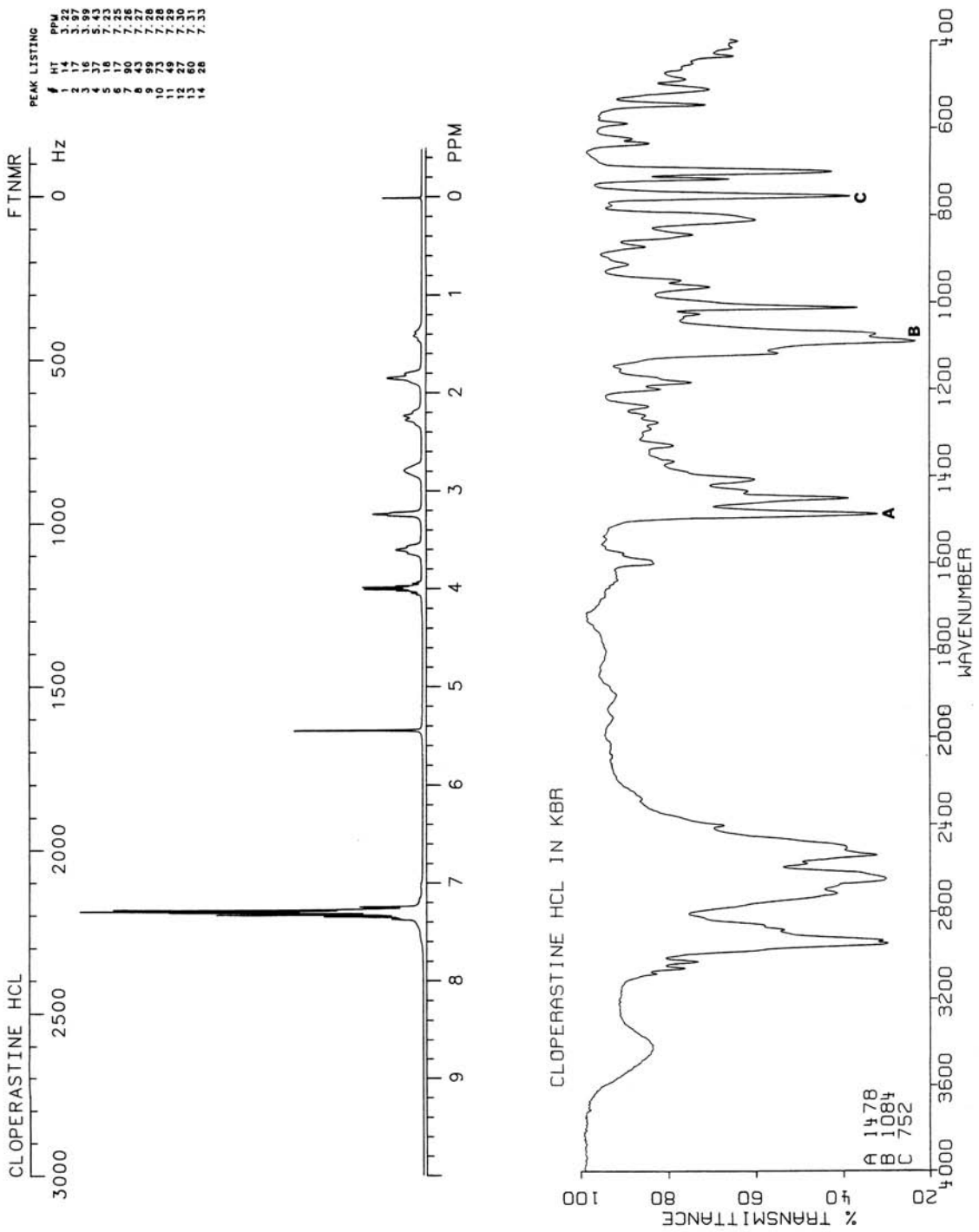







FTNMR
CLOPAMIDE (CDCL3 + CD3OD)
PEAK LISTING
HT PPM
1 51 1.00
2 33 1.09
3 33 1.11
4 99 1.74
5 28 7.36
6 15 7.60
7 19 7.63
8 17 8.39
9 16 8.40
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLOPAMIDE IN KBR
A 1661
B 1337
C 1168
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER


CLOPERASTINE
$C_{20}H_{24}ClNO$
Molecular weight: 329.88 (329.16)
Synonyms: 1-[2-[(4-Chlorophenyl)phenylmethoxy]ethyl]piperidine
Trade names: Hustazol, Nitossil, Novotusil, Sekin
Use: Antitussive
HPLC:
GC: 2848; 250°
CLOPERASTINE HCl
226,260
TRANSMITTANCE
WAVELENGTH (nm)
CLOPERASTINE


CLOPERASTINE HCL
FTNMR
PEAK LISTING
HT PPM
1 14 3.22
2 17 3.97
3 16 3.99
4 37 5.43
5 16 7.23
6 17 7.25
7 90 7.26
8 43 7.27
9 99 7.28
10 73 7.29
11 49 7.30
12 27 7.31
13 60 7.33
14 28
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
CLOPERASTINE HCL IN KBR
A 1478
B 1084
C 752
A
B
C
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

CLOPIMOZIDE

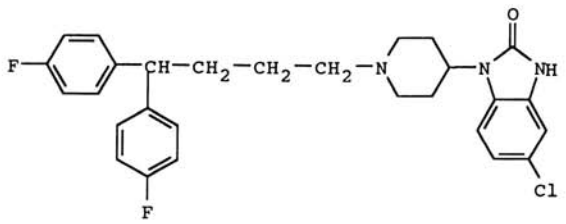
$C_{28}H_{28}ClF_2N_3O$

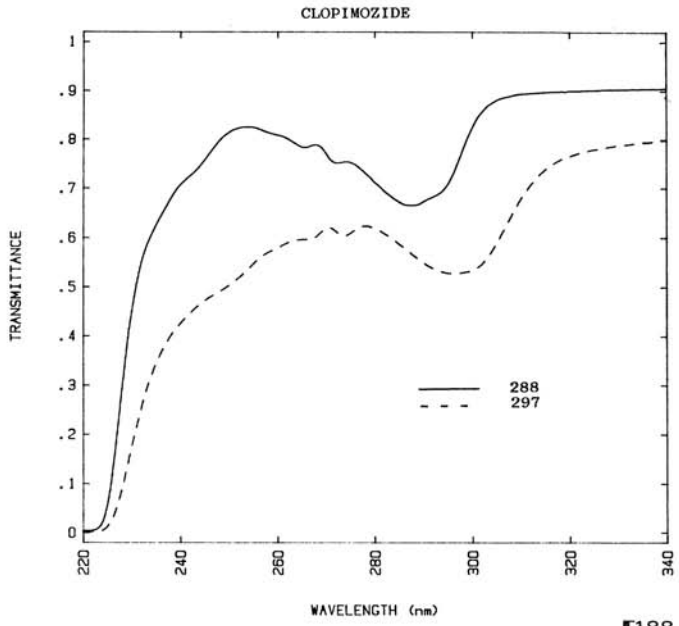
Molecular weight: 495.99 (495.19)

Synonyms:

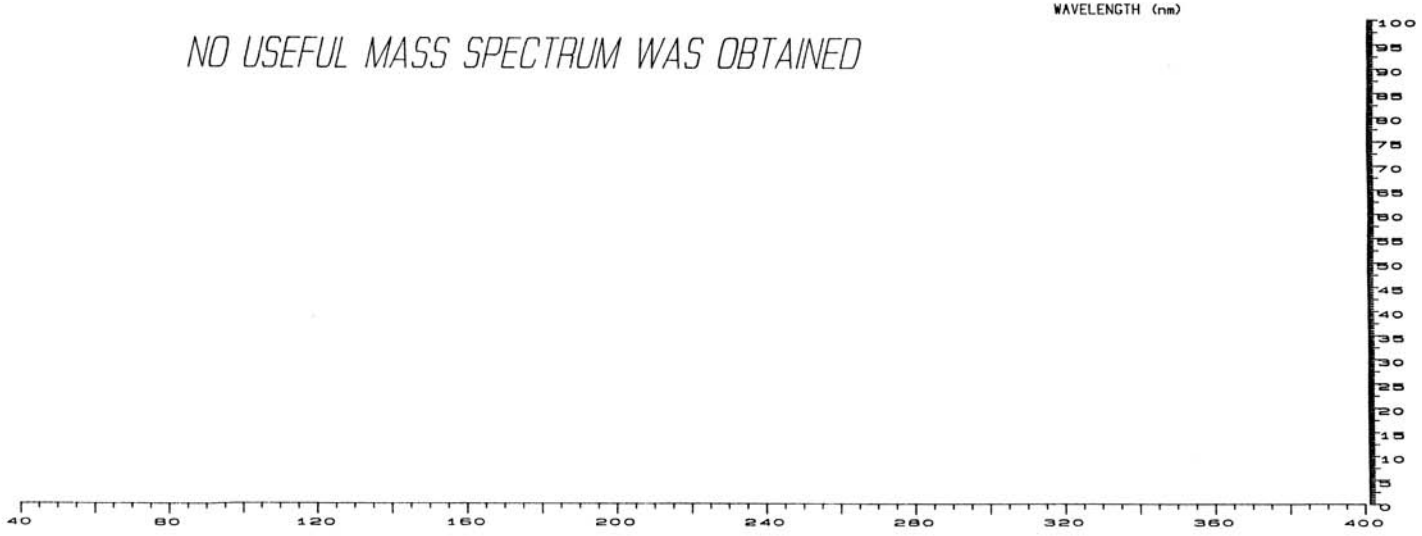
Trade names:

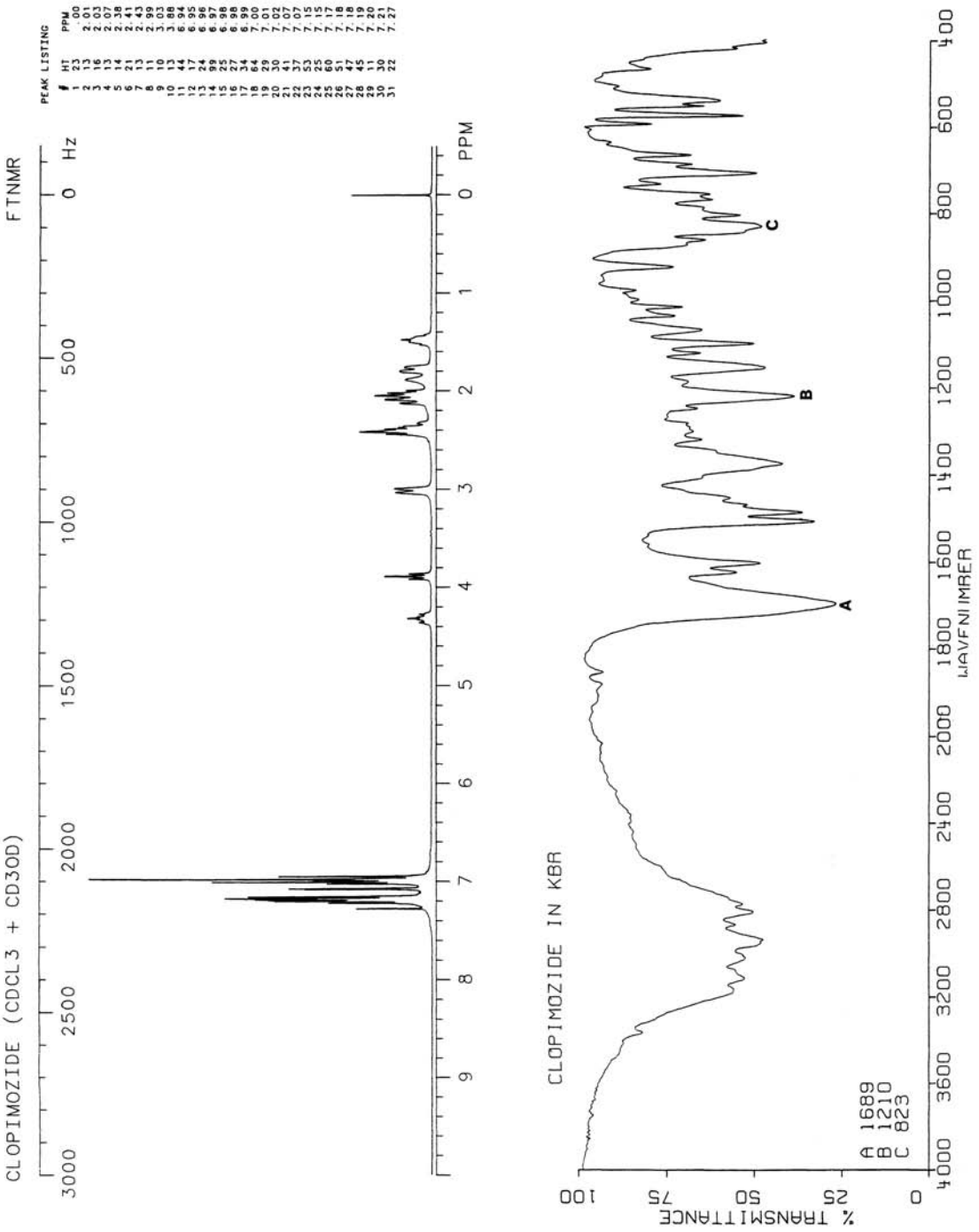
Use:
HPLC: 90A:10C; 2.2
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



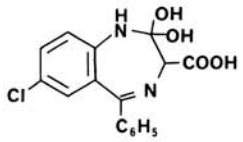

CLOPIMOZIDE (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 23 2.00
2 13 2.01
3 16 2.03
4 13 2.07
5 14 2.18
6 21 2.41
7 13 2.43
8 11 2.99
9 10 3.03
10 13 3.88
11 44 6.94
12 17 6.95
13 24 6.96
14 99 6.97
15 25 6.98
16 27 6.98
17 34 6.99
18 64 7.00
19 29 7.01
20 30 7.02
21 41 7.07
22 37 7.07
23 53 7.15
24 25 7.15
25 60 7.17
26 57 7.18
27 47 7.18
28 45 7.19
29 11 7.20
30 30 7.21
31 22 7.27
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
CLOPIMOZIDE IN KBR
A 1689
B 1210
C 823
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C

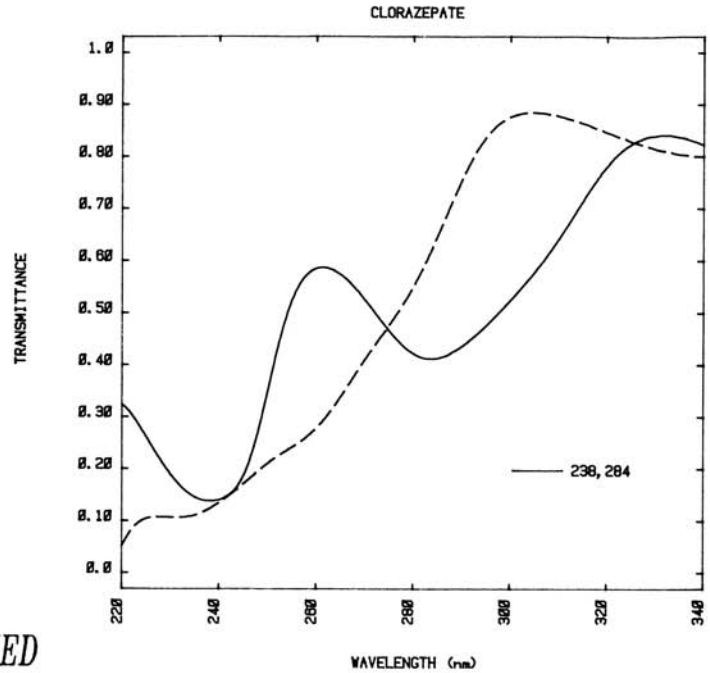
CLORAZEPATE

$C_{16}H_{13}ClN_2O_4$

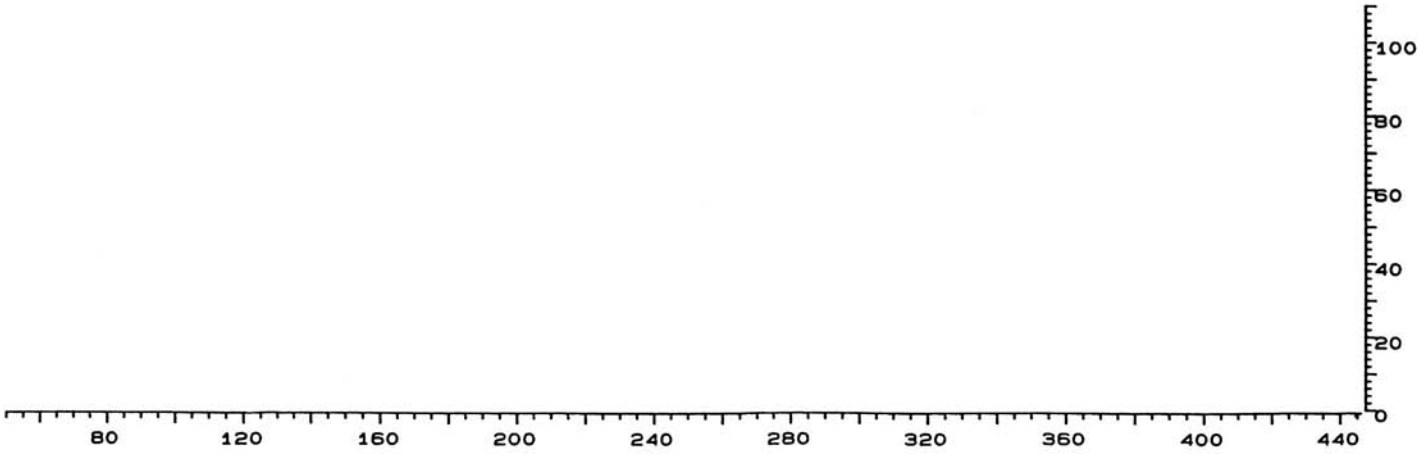
Molecular weight: 332.74 (332.06)
Synonyms: 7-Chloro-2,3-dihydro-2,2-dihydroxy-5-phenyl-1H-1,4-benzodiazepine-3-carboxylic acid
Trade names: Azene, Tranxene

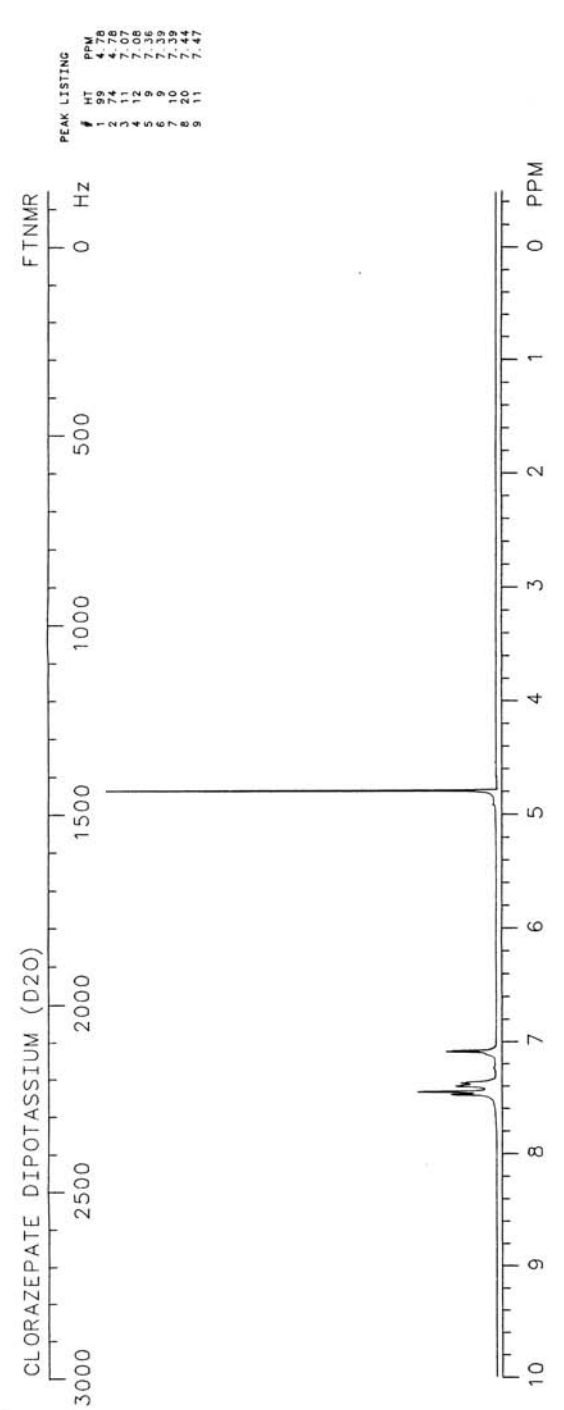
Use: Tranquilizer
HPLC: Li-NH_2; 100D; 6.5
GC:

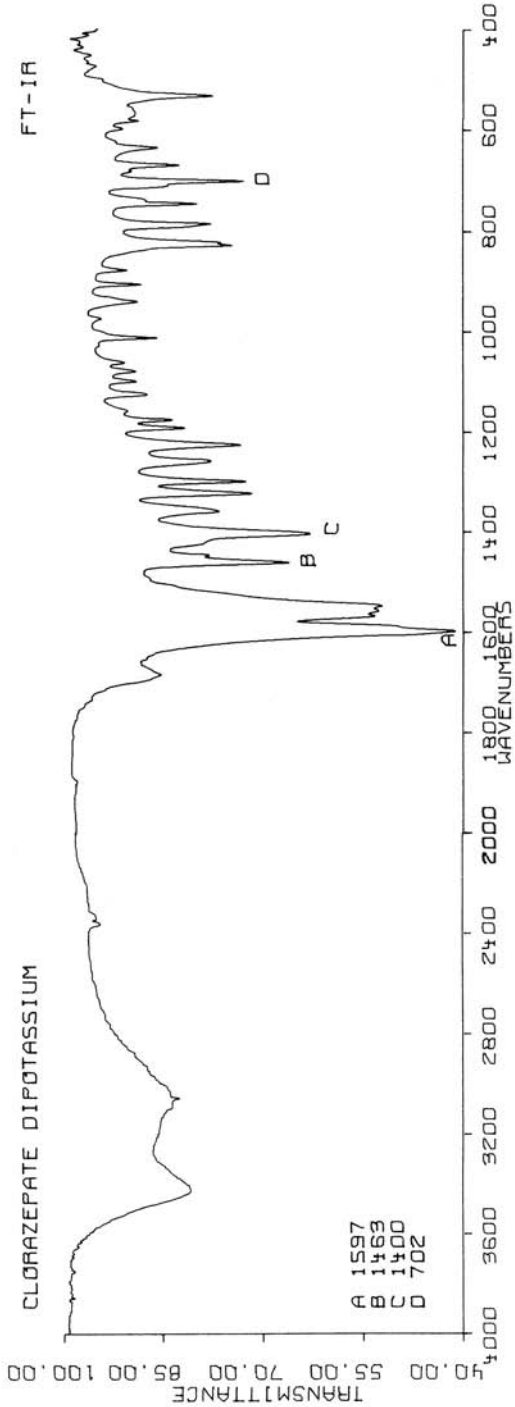




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
CLORAZEPATE DIPOTASSIUM (D2O)
PEAK LISTING
HT PPM
1 99 4.78
2 74 4.78
3 11 7.07
4 12 7.08
5 9 7.36
6 9 7.39
7 10 7.44
8 20 7.47
9 11
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CLORAZEPATE DIPOTASSIUM
A 1597
B 1463
C 1400
D 702
A
B
C
D
TRANSMITTANCE
100.00 85.00 70.00 55.00 50.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

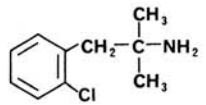
CLORTERMINE

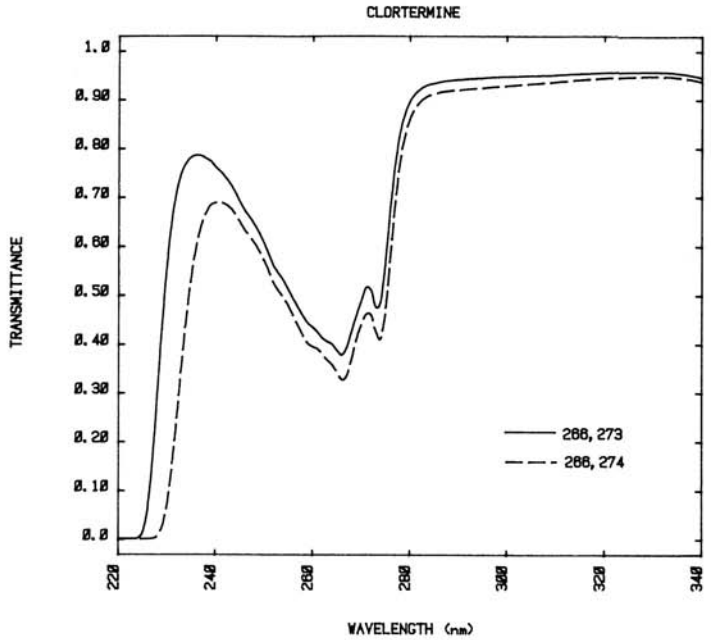
$C_{10}H_{14}ClN$

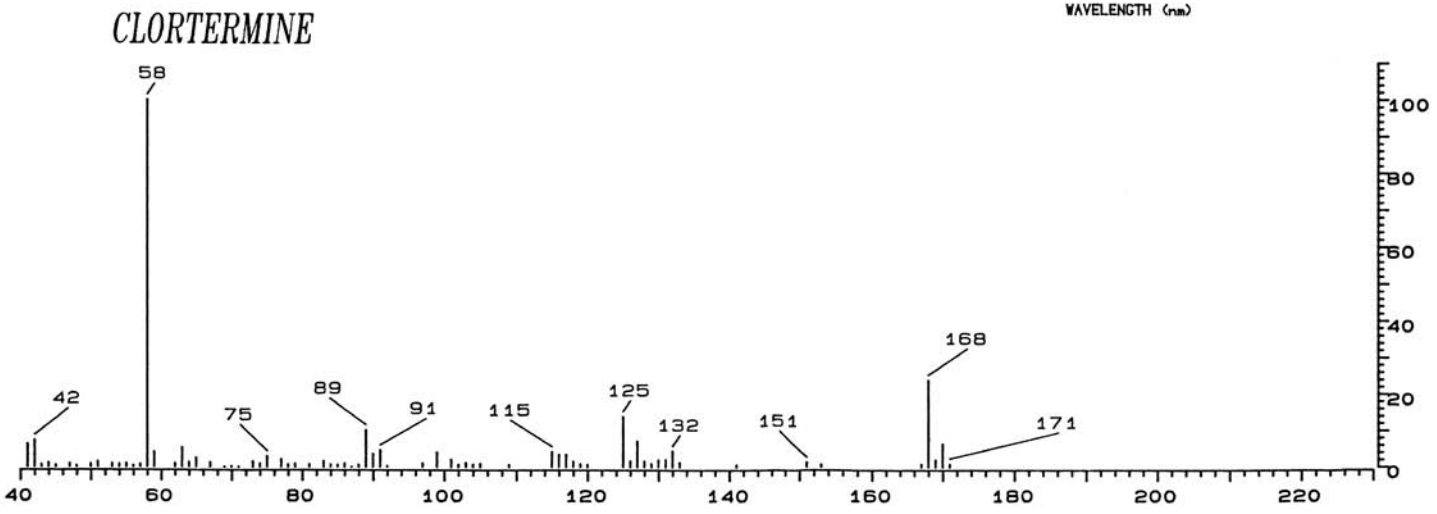
Molecular weight: 183.68 (183.08)
Synonyms: 2-Chloro-α,α-dimethylbenzeneethanamine

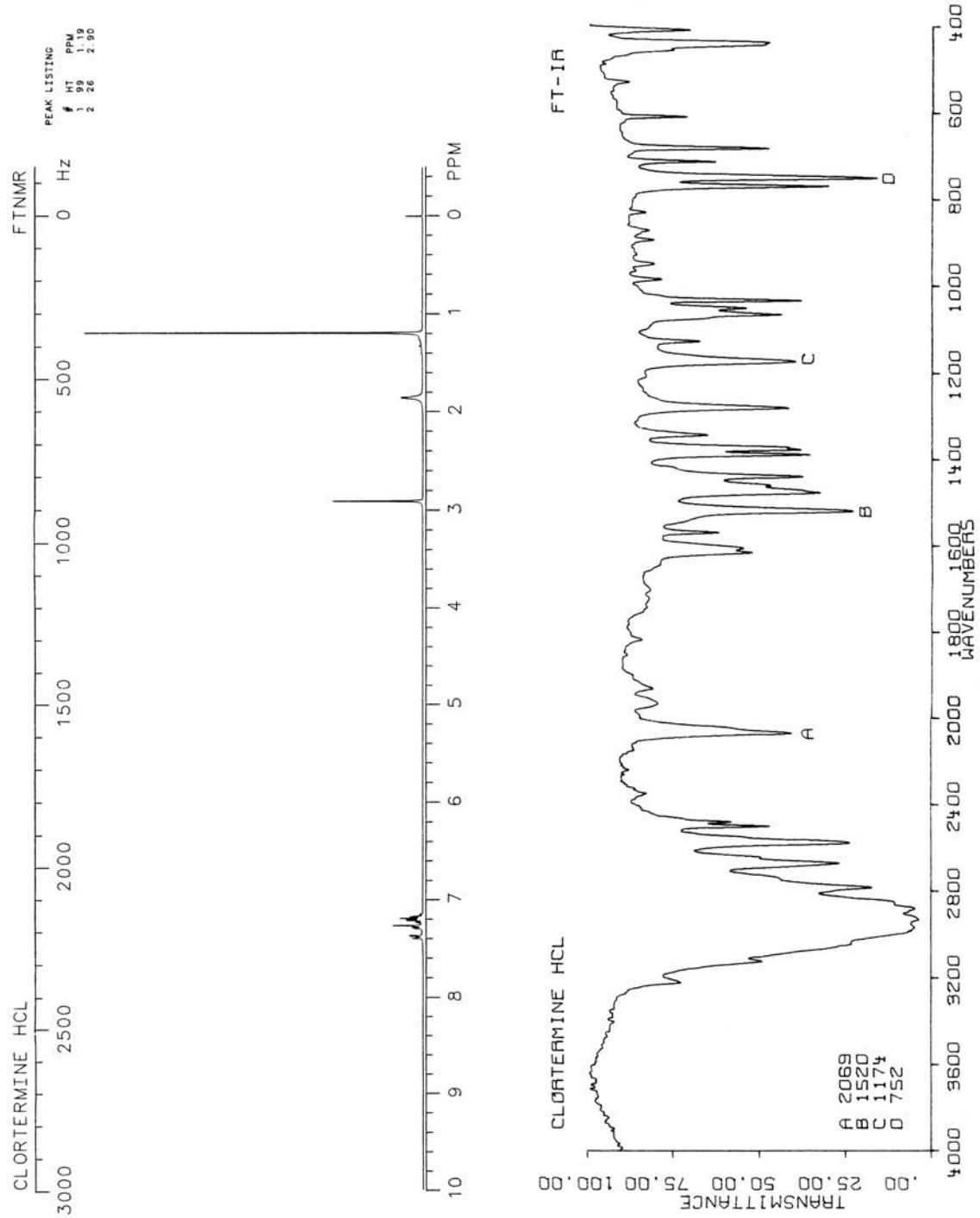
Trade names: Voranil

Use: Anorexic
HPLC: Si-10; 2A:98B; 5.2
GC: 1325; 200°C








FTNMR
CLORTERMINE HCL
PEAK LISTING
HT PPM
1 99 1.19
2 26 2.90
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
CLORTERMINE HCL
A 2069
B 1520
C 1174
D 752
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

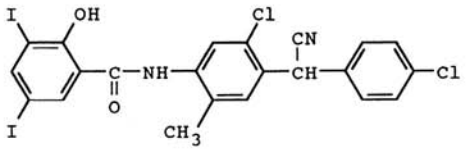
CLOSANTEL

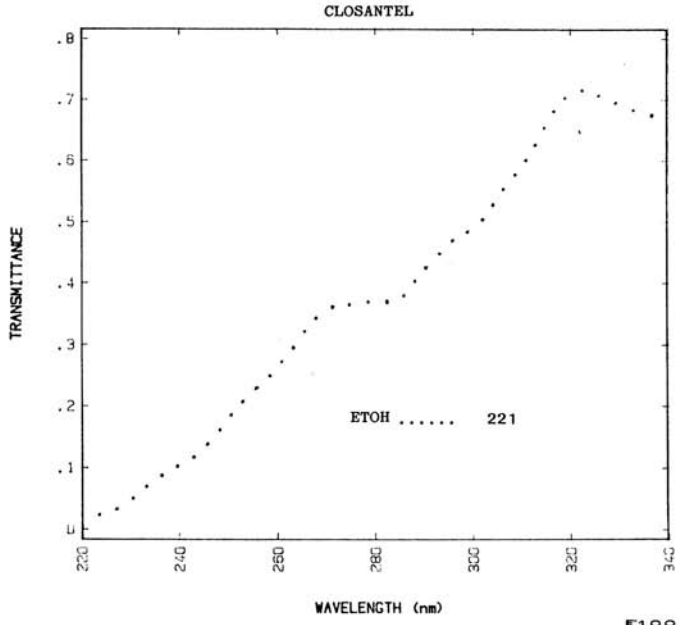
$C_{22}H_{14}Cl_2I_2N_2O_2$

Molecular weight: 663.07 (661.84)

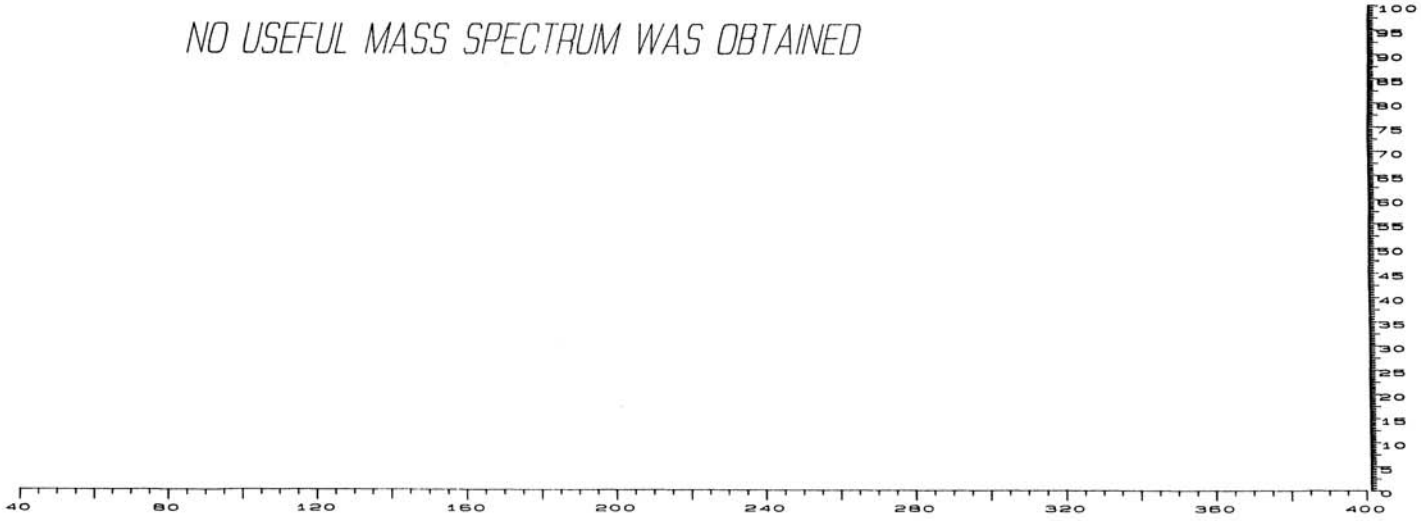
Synonyms: N-[5-Chloro-4-[(4-chlorophenyl)cyanomethyl]-2-methylphenyl]-2- hydroxy-3,5-diiodobenzamide
Trade names: Flukiver, Seponver

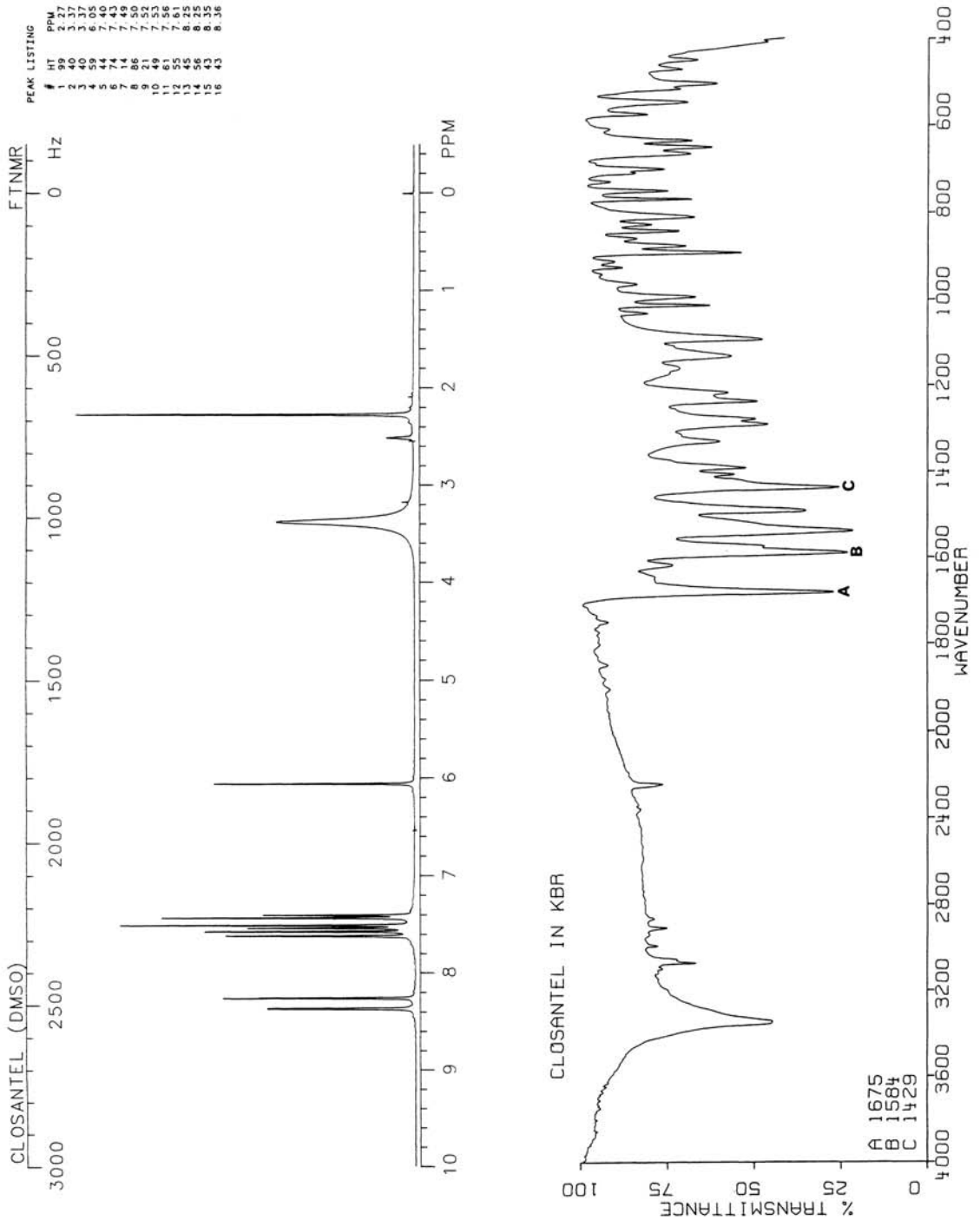
Use: Anthelmintic
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




CLOSANTEL (DMSO)
FTNMR
PEAK LISTING
HT PPM
1 99 2.27
2 40 3.37
3 40 3.37
4 59 6.05
5 44 7.40
6 74 7.43
7 14 7.49
8 86 7.50
9 71 7.52
10 49 7.55
11 61 7.56
12 55 7.61
13 45 8.25
14 56 8.25
15 43 8.35
16 43 8.36
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLOSANTEL IN KBR
A 1675
B 1584
C 1429
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

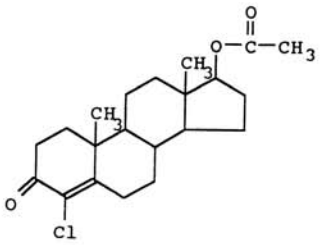
CLOSTEBOL ACETATE

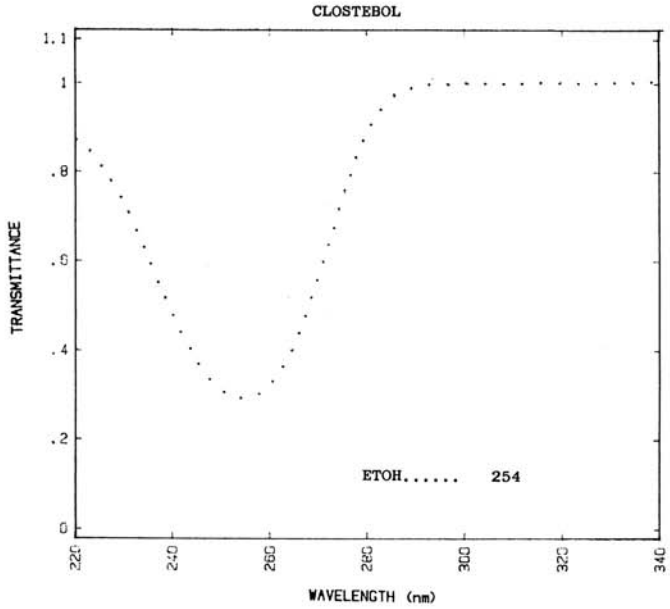
$C_{21}H_{29}ClO_3$

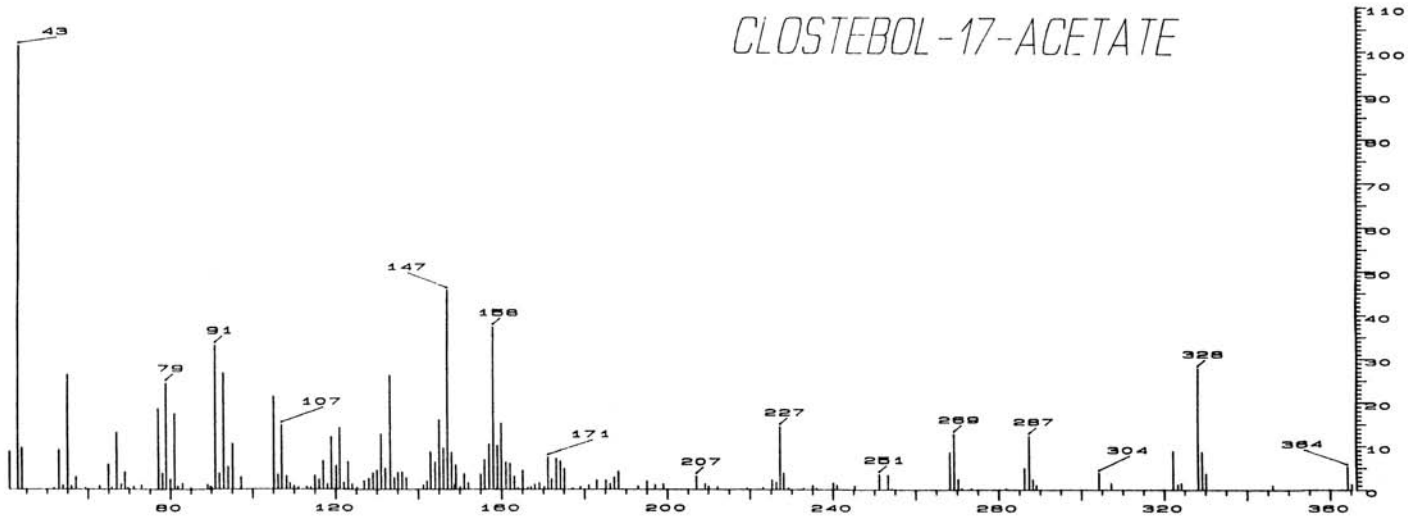
Molecular weight: 364.90 (364.18)

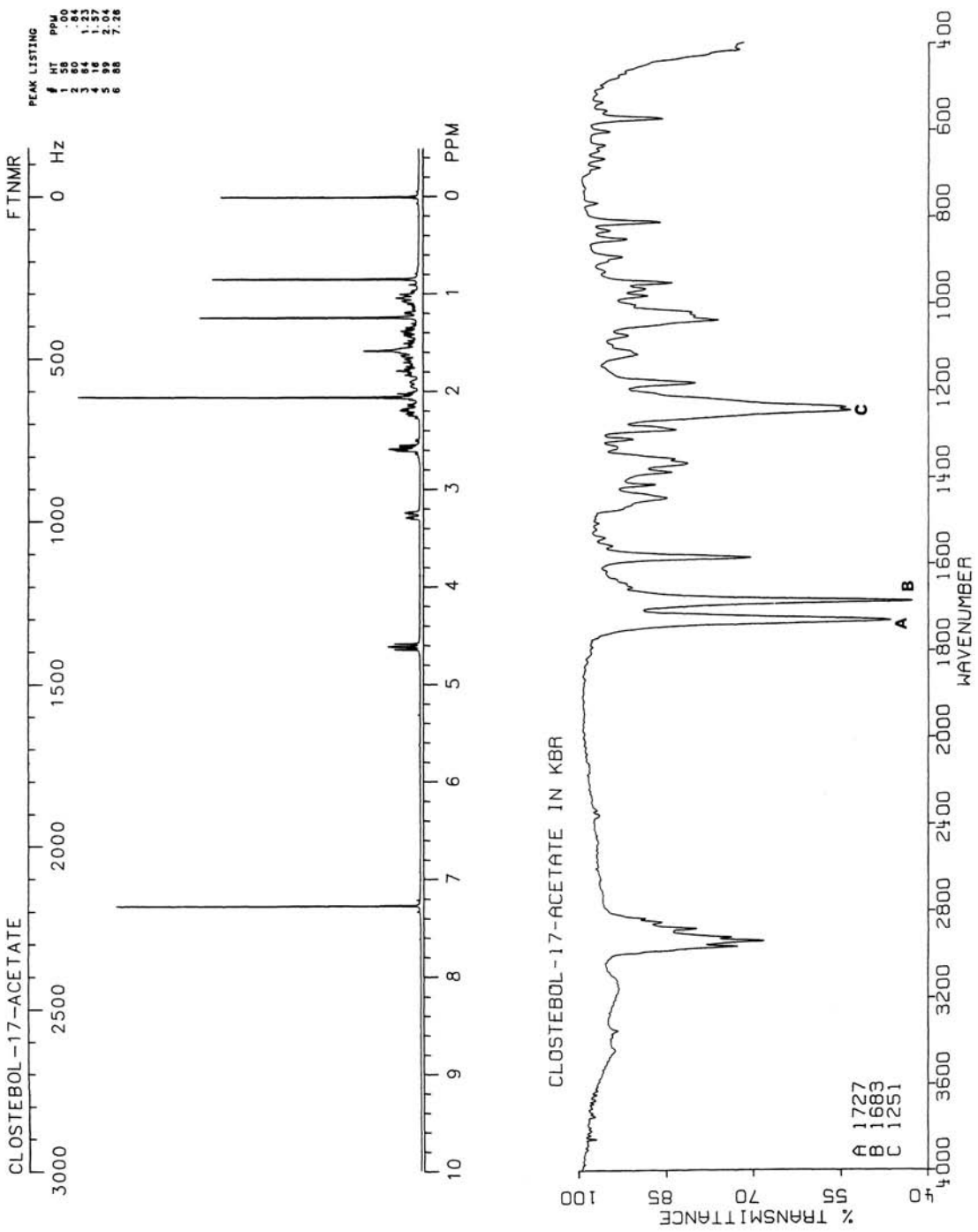
Synonyms: 4-Chloro-17 β -hydroxyandrost-4-en-3-one-17-acetate; chloro-testosterone-17-acetate
Trade names: Macrobin, Steranabol, Turinabol

Use: Anabolic
HPLC: 90A:10B; 4.6
GC: 3023; 280








CLOSTEBOL-17-ACETATE
FTNMR
PEAK LISTING
HT PPM
1 58 .00
2 80 .84
3 64 1.23
4 16 1.57
5 99 2.04
6 88 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLOSTEBOL-17-ACETATE IN KBR
A 1727
B 1683
C 1251
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

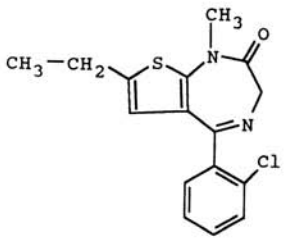
CLOTIAZEPAM

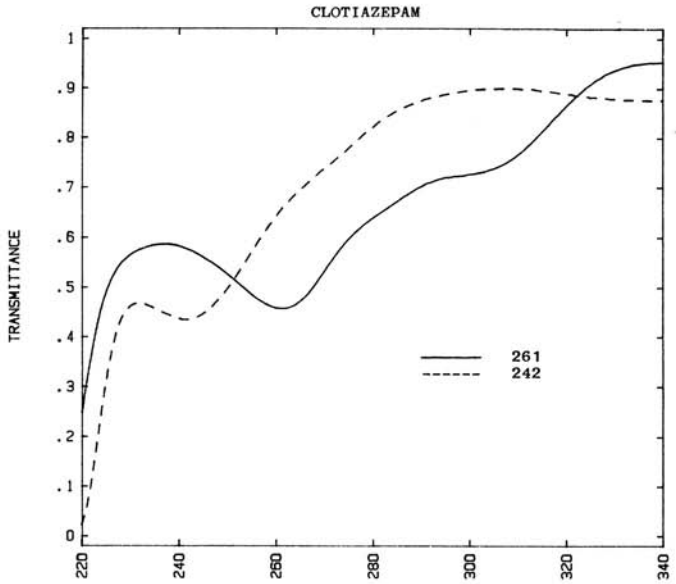
$C_{16}H_{15}ClN_2OS$

Molecular weight: 318.82 (318.06)

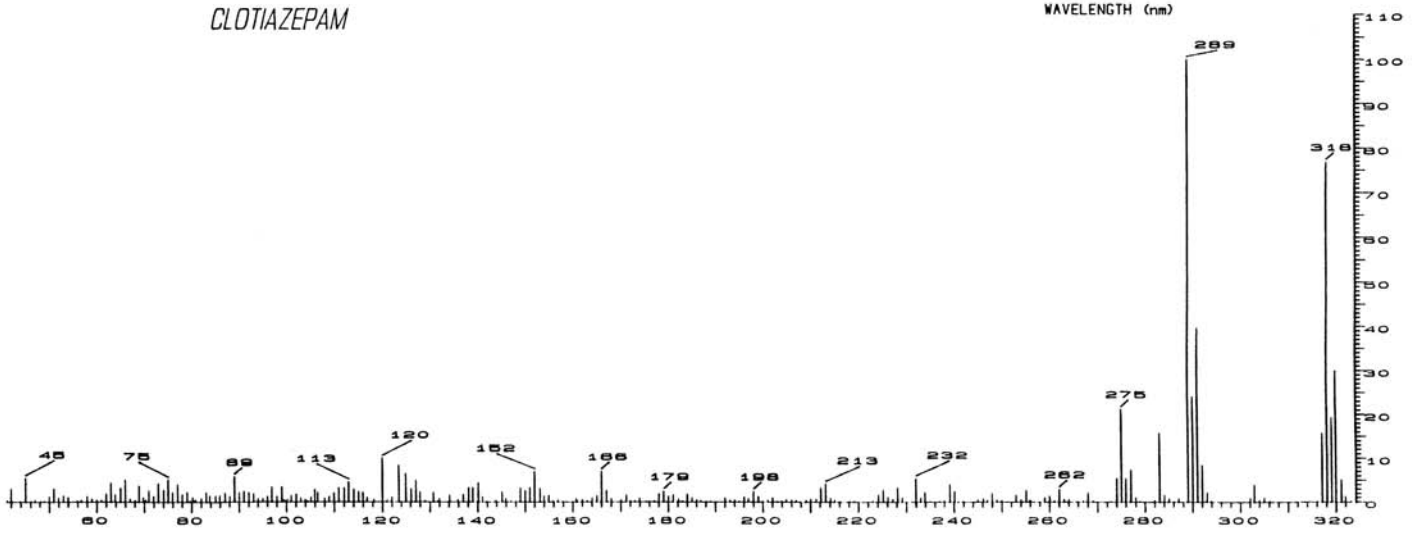
Synonyms: 5-(2-Chlorophenyl)-7-ethyl-1,3-dihydro-1-methyl-2H-thien-[2,3-e]-1,4-diazepin-2-one
Trade names: Clozan, Rise, Rize, Rizen, Tienor, Trecalmo, Veratran

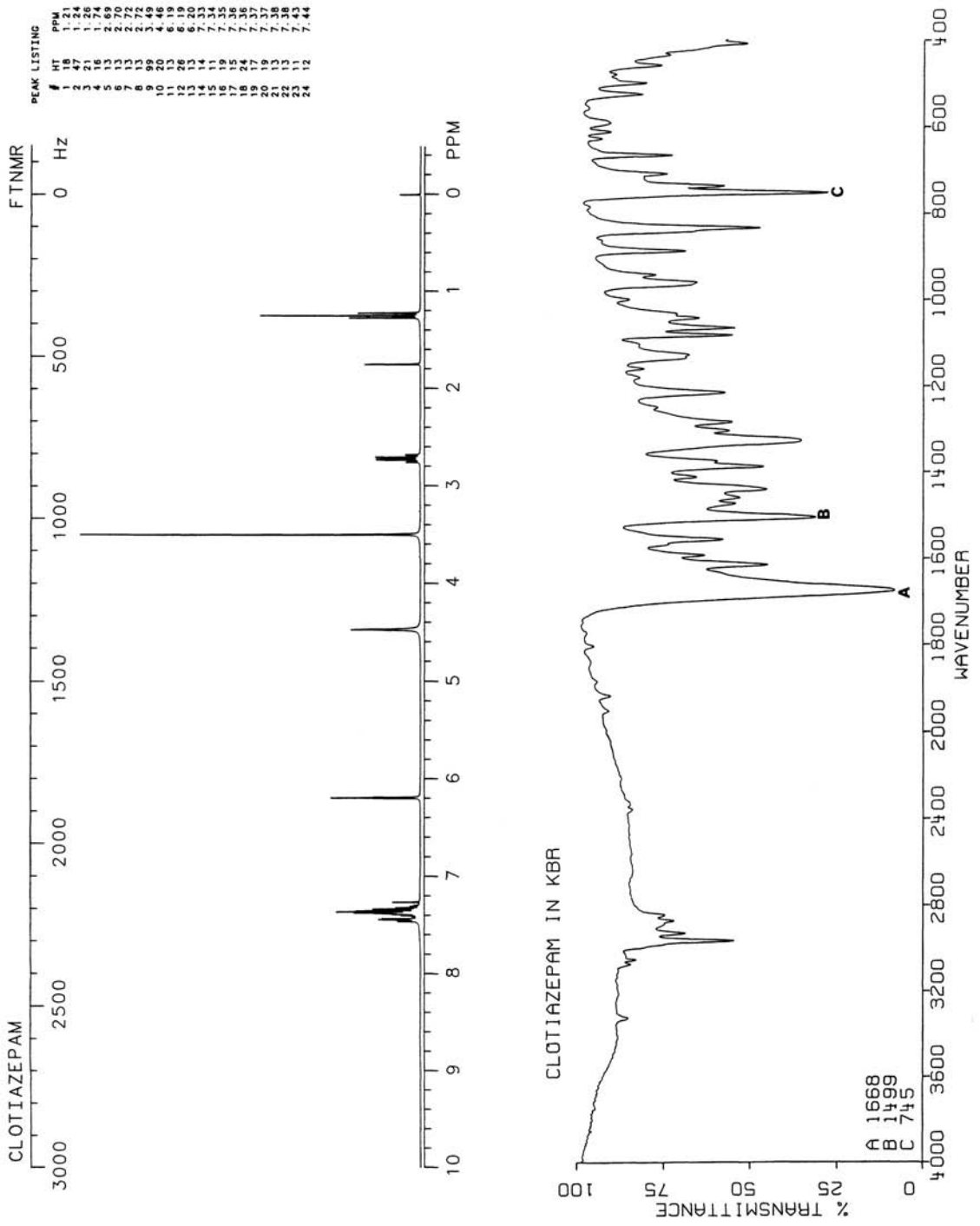
Use: Tranquilizer
HPLC: 70A:30B; 2.1
GC: 2537; 250°





CLOTIAZEPAM




CLOTIAZEPAM
FTNMR
PEAK LISTING
HT PPM
1 18 1.21
2 47 1.24
3 21 1.26
4 16 1.74
5 13 1.78
6 13 2.70
7 13 2.72
8 13 2.72
9 99 3.49
10 20 4.46
11 13 6.19
12 16 6.19
13 14 6.20
14 14 7.33
15 11 7.34
16 19 7.35
17 15 7.36
18 24 7.36
19 17 7.37
20 13 7.37
21 13 7.38
22 13 7.38
23 11 7.43
24 12 7.44
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLOTIAZEPAM IN KBR
A 1668
B 1499
C 745
A
B
C
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

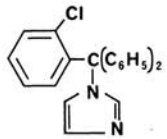
CLOTRIMAZOLE

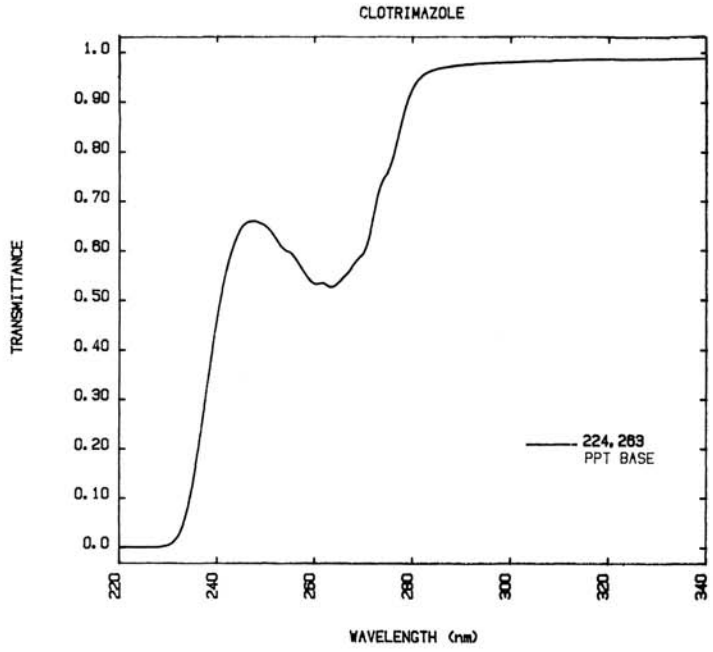
$C_{22}H_{17}ClN_2$

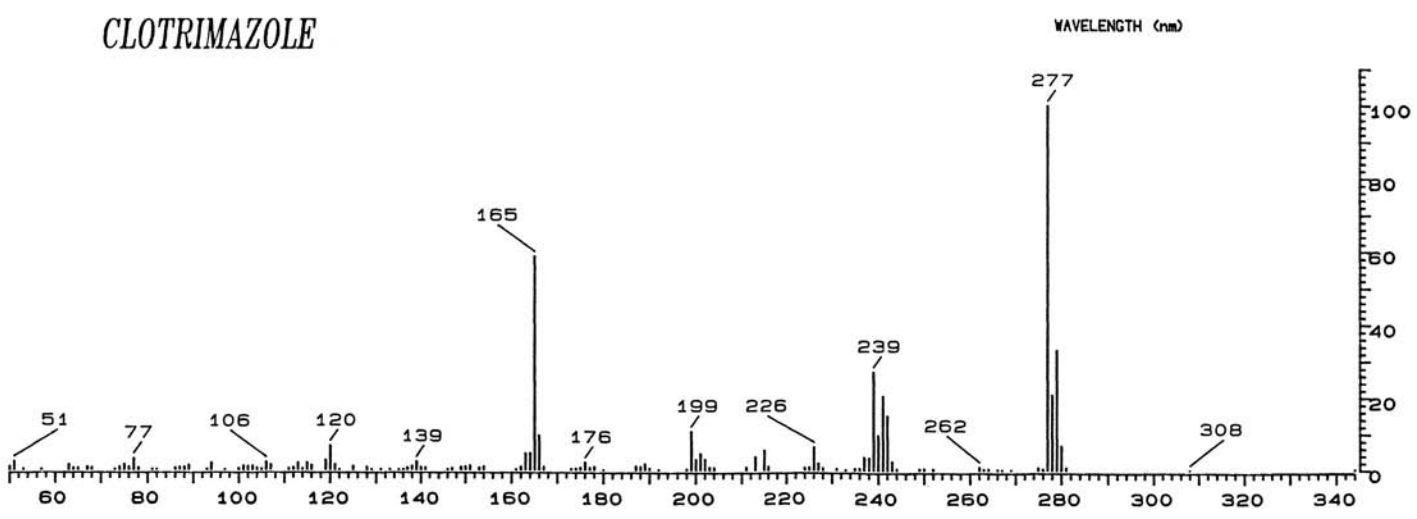
Molecular weight: 344.84 (344.11)
Synonyms: 1-[(2-Chlorophenyl)diphenylmethyl]-1H-imidazole

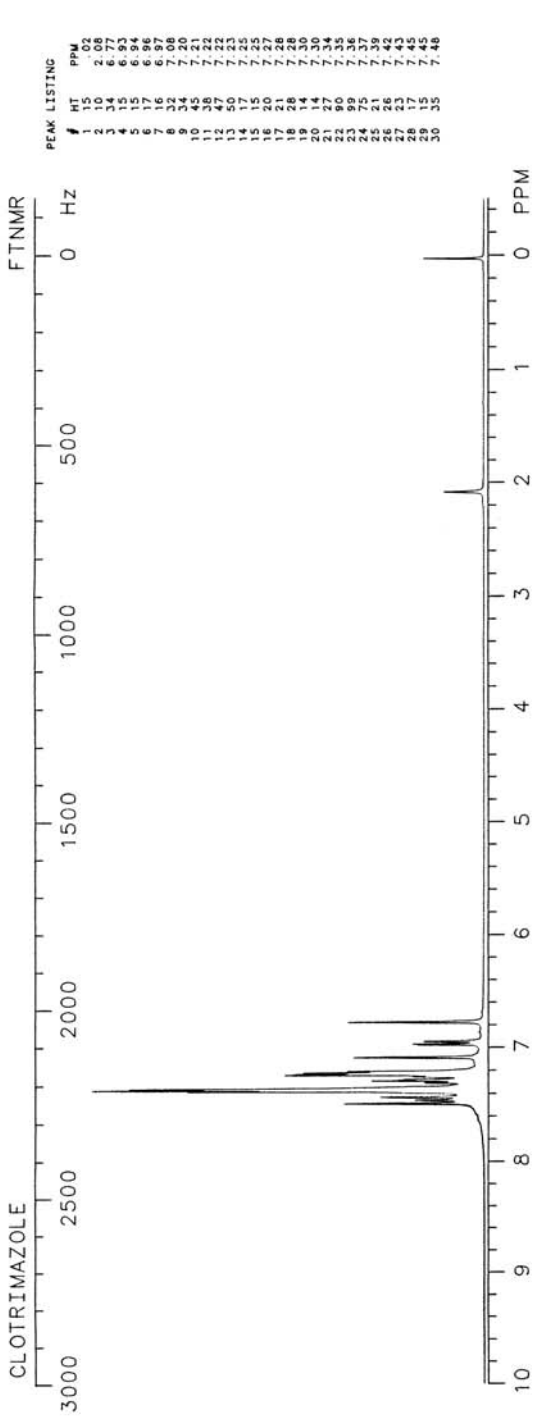
Trade names: Gyne-Lotrimin, Lotrimin, Mycelex

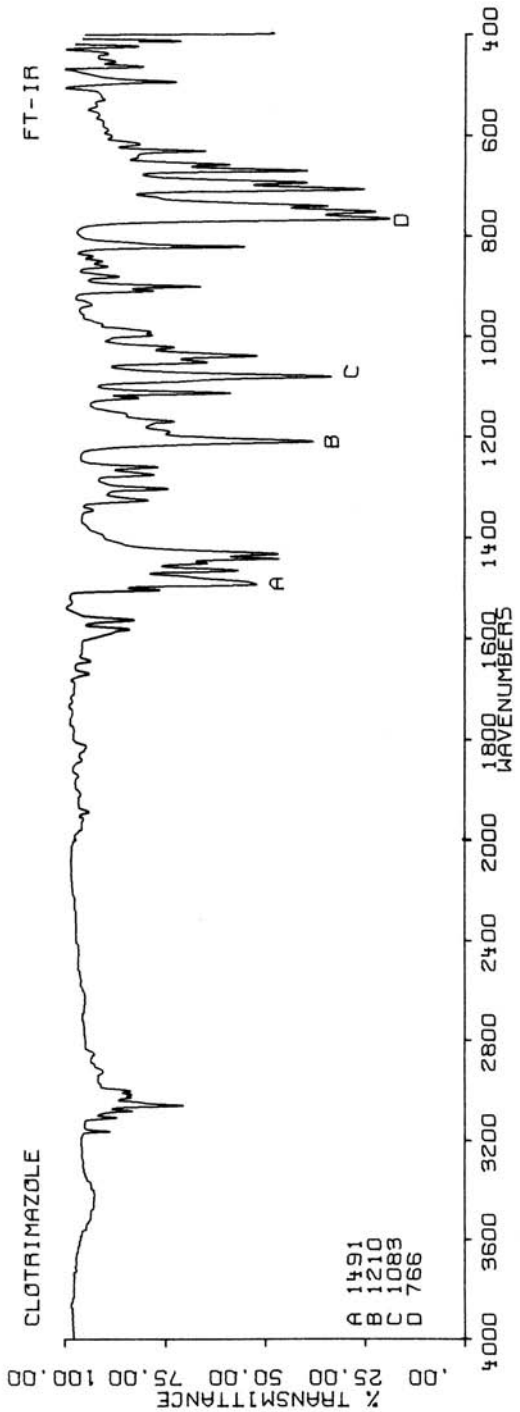
Use: Antifungal
HPLC: Si-10; 2A:98B; 4.0
GC: 2830; 280°C








FTNMR
CLOTRIMAZOLE
PEAK LISTING
HT PPM
1 15 02
2 10 2.08
3 34 6.77
4 15 6.93
5 17 6.94
6 16 6.96
7 32 6.97
8 34 7.08
9 45 7.20
10 40 7.21
11 47 7.22
12 50 7.23
13 17 7.25
14 15 7.25
15 20 7.27
16 21 7.28
17 28 7.28
18 14 7.30
19 27 7.34
20 90 7.36
21 99 7.37
22 75 7.39
23 21 7.42
24 16 7.43
25 23 7.45
26 17 7.45
27 15 7.48
28 35
29
30
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

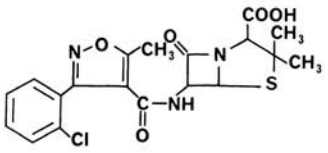

FT-IR
CLOTRIMAZOLE
A 1491
B 1210
C 1083
D 766
A
B
C
D
% TRANSMITTANCE
100.00 75.00 50.00 25.00 .00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

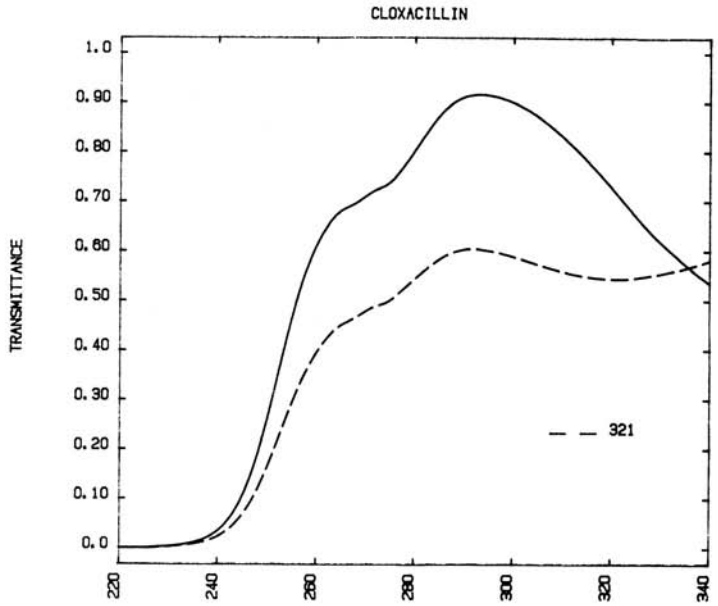
CLOXACILLIN

$C_{19}H_{18}ClN_3O_5S$

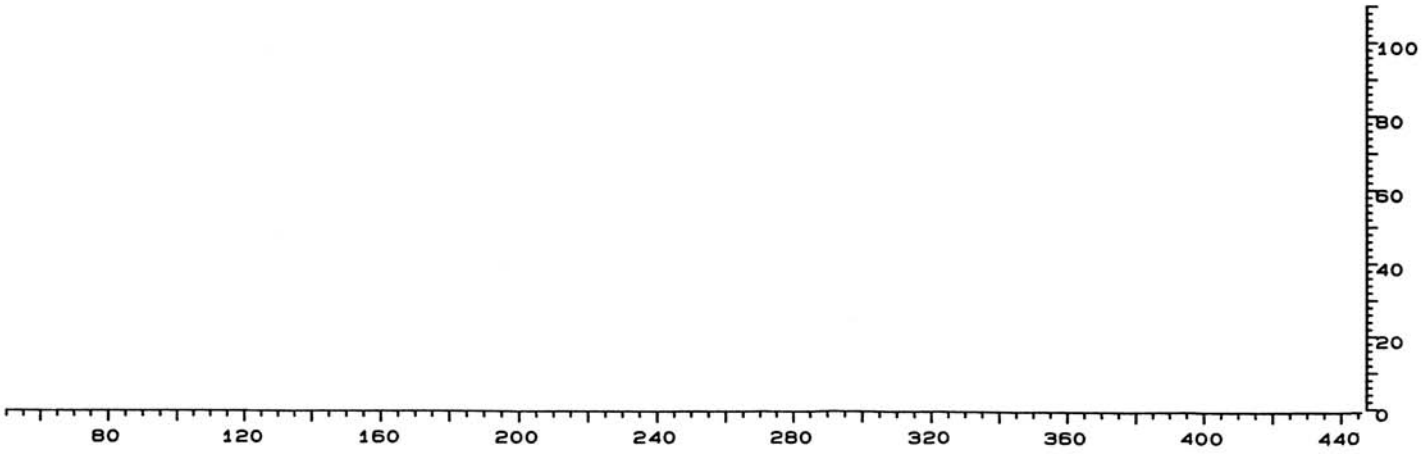
Molecular weight: 435.88 (435.07)
Synonyms: 6-[[[3-(2-Chlorophenyl)-5-methyl-4-isoxazolyl]carbonyl]-amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid
Trade names: Cloxacillin, Tegopen

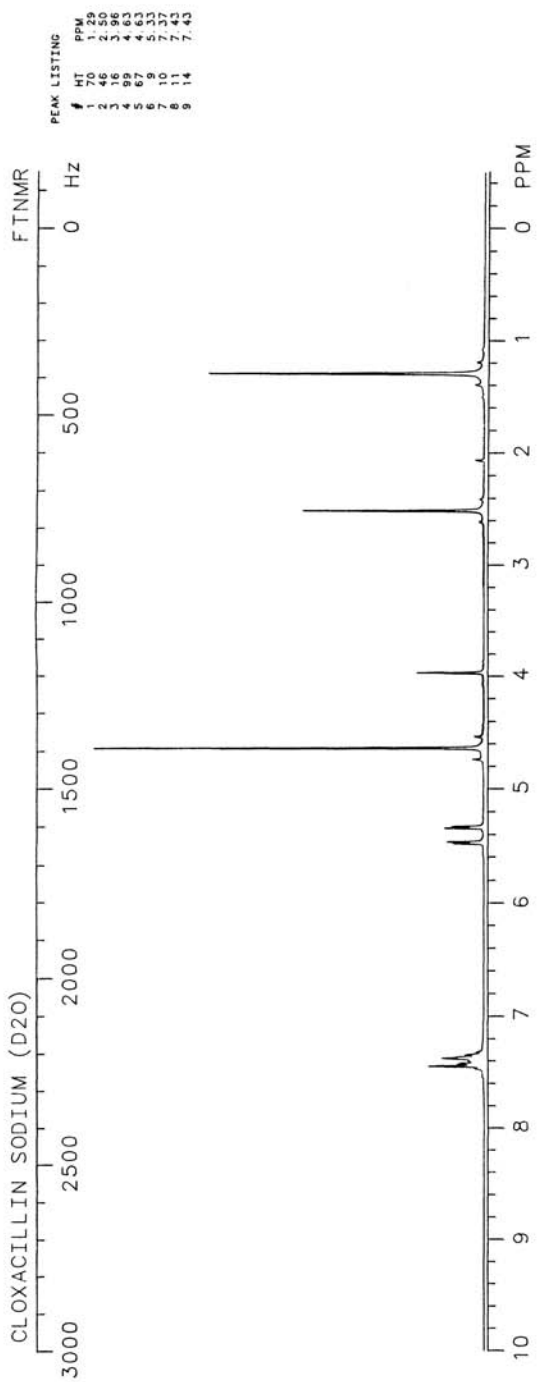
Use: Antibacterial
HPLC:
GC:

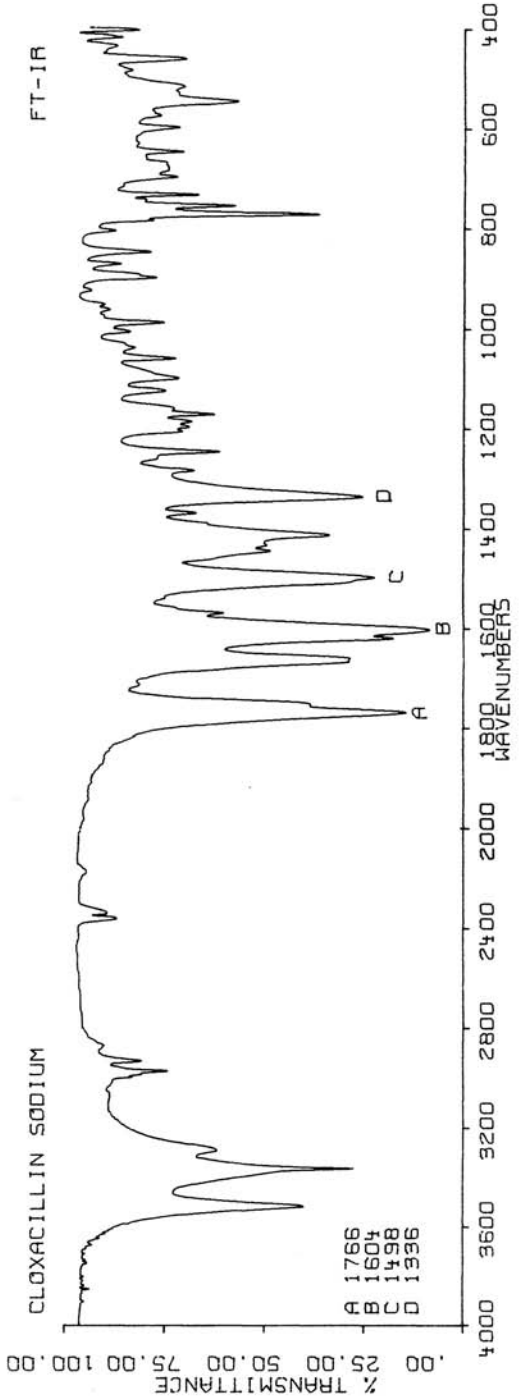




NO USEFUL MASS SPECTRUM WAS OBTAINED




CLOXACILLIN SODIUM (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 70 1.29
2 46 2.50
3 16 3.86
4 98 4.65
5 67 4.83
6 9 5.33
7 10 7.37
8 11 7.43
9 14 7.43


CLOXACILLIN SODIUM
FT-IR
A 1766
B 1604
C 1498
D 1336
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

CLOXAZOLAM

$C_{17}H_{14}Cl_2N_2O_2$

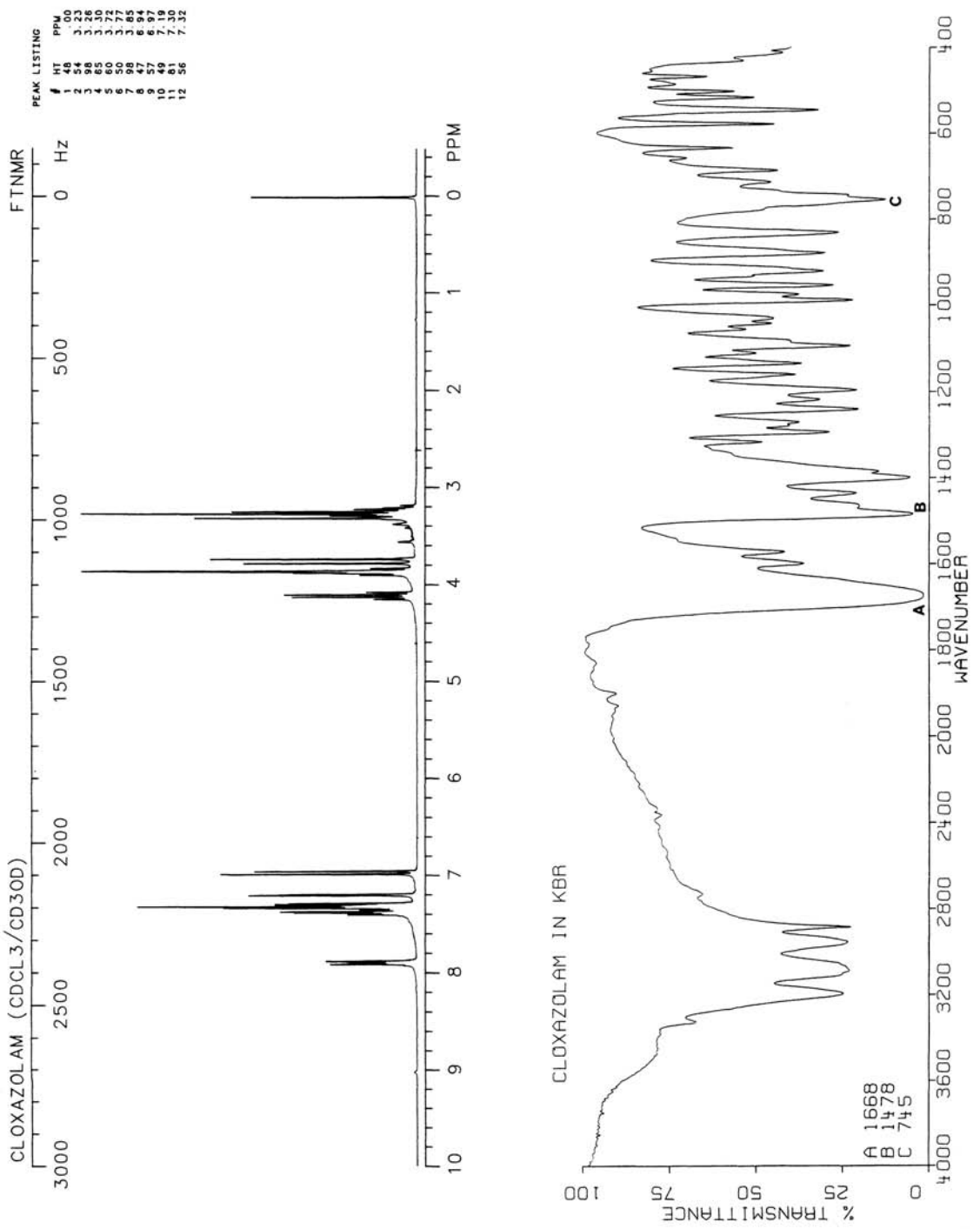
Molecular weight: 349.21 (348.04)

Synonyms: 10-Chloro-11b-(2-chlorophenyl)-2,3,7,11b-tetrahydrooxazolo-[3,2-d][1,4]benzodiazepin-6(5H)-one

Trade names: Enadel, Lubalix, Olcadil, Sepazon, Tolestan

Use: Tranquilizer
HPLC: 70A:30B; 3.1
GC: 2393; 280

CLOXAZOLAM -- SOLID PROBE


CLOXAZOLAM (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 48 3.00
2 54 3.23
3 98 3.26
4 65 3.30
5 60 3.72
6 50 3.77
7 98 3.85
8 47 6.94
9 57 6.97
10 49 7.19
11 81 7.30
12 56 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CLOXAZOLAM IN KBR
A 1668
B 1478
C 745
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C

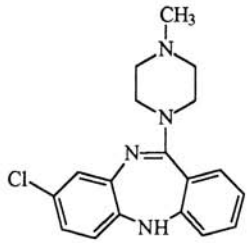
CLOZAPINE

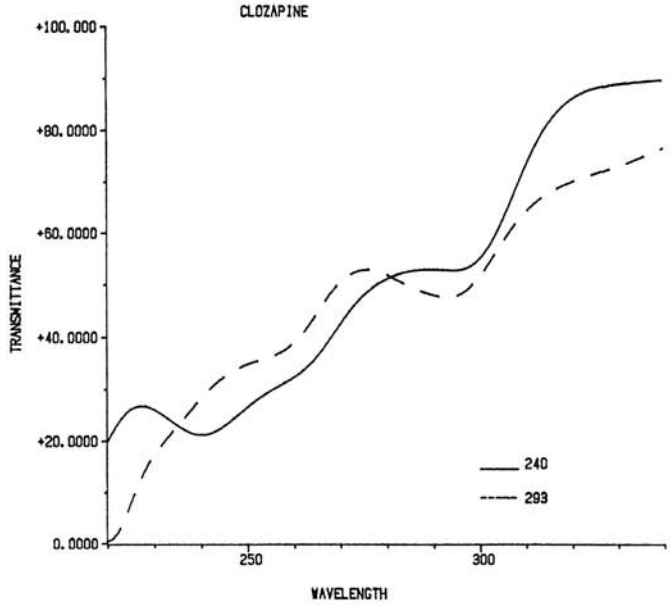
$C_{18}H_{19}ClN_4$

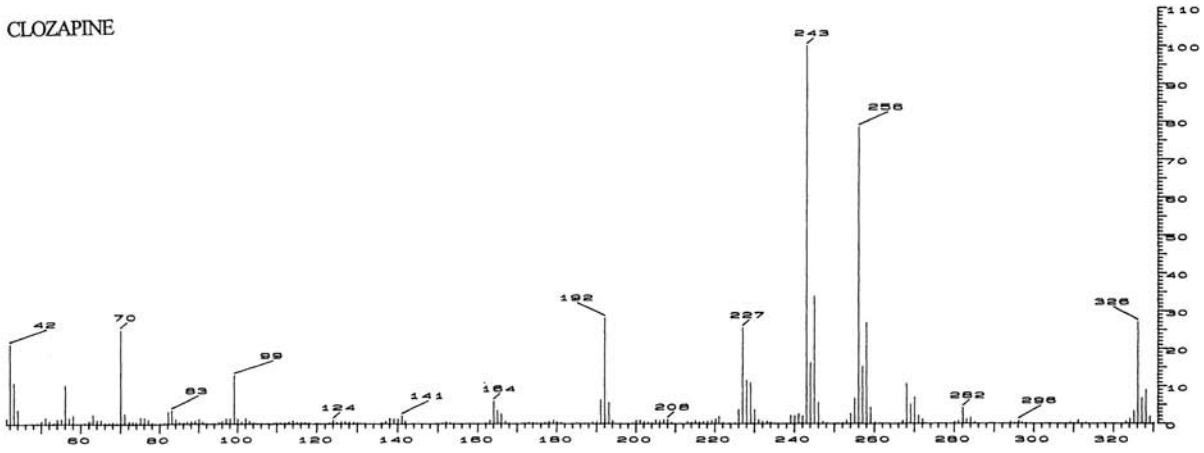
Molecular Weight: 326.83 (326.13)

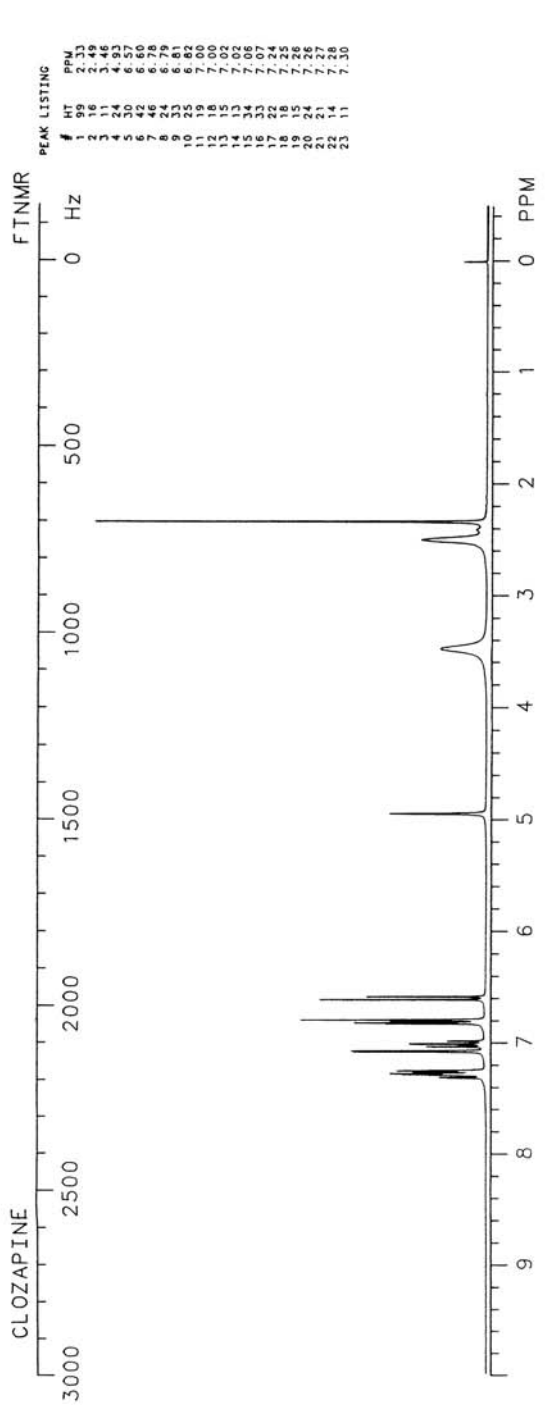
Synonyms: 8-Chloro-11-(4-methyl-1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine
Trade Names: Clozaril
Use: Antipsychotic

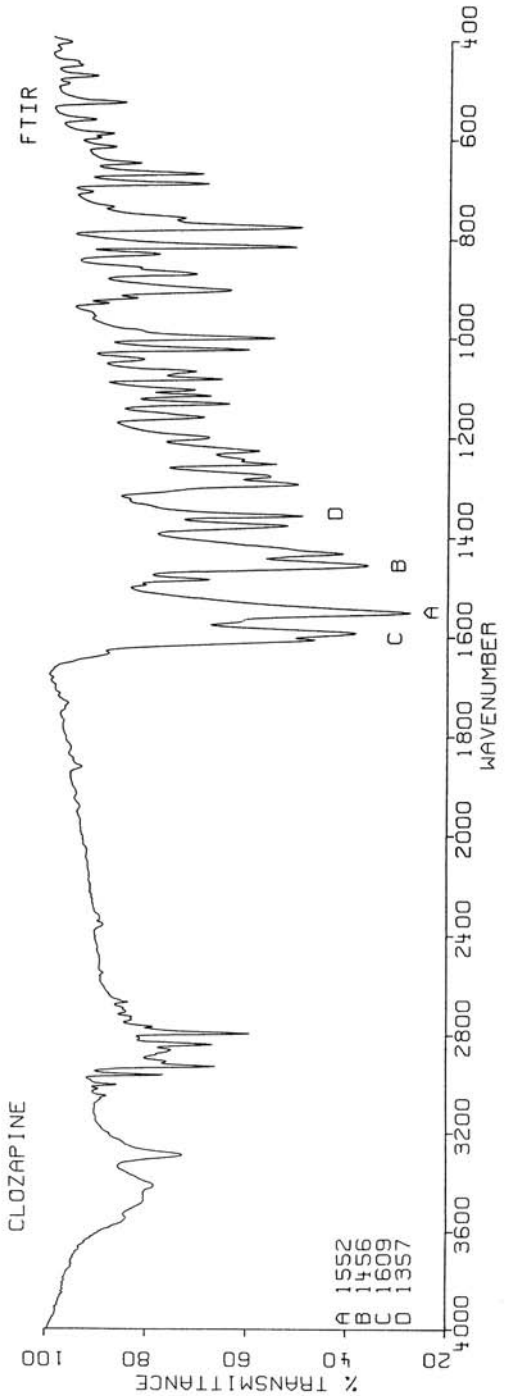
HPLC: Methanol: 13.8 (Tails)
GC: 2911; 250°








FTNMR
CLOZAPINE
PEAK LISTING
HT PPM
1 99 2.33
2 16 2.49
3 11 3.46
4 24 4.93
5 20 6.57
6 42 6.60
7 46 6.78
8 24 6.79
9 33 6.81
10 25 6.82
11 19 7.00
12 18 7.00
13 15 7.02
14 13 7.02
15 34 7.06
16 33 7.07
17 22 7.24
18 18 7.25
19 15 7.26
20 24 7.26
21 21 7.27
22 14 7.28
23 11 7.30
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


FTIR
CLOZAPINE
A 1552
B 1456
C 1609
D 1357
A
B
C
D
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

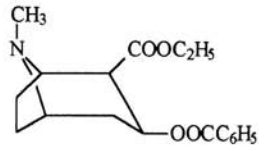
COCAETHYLENE

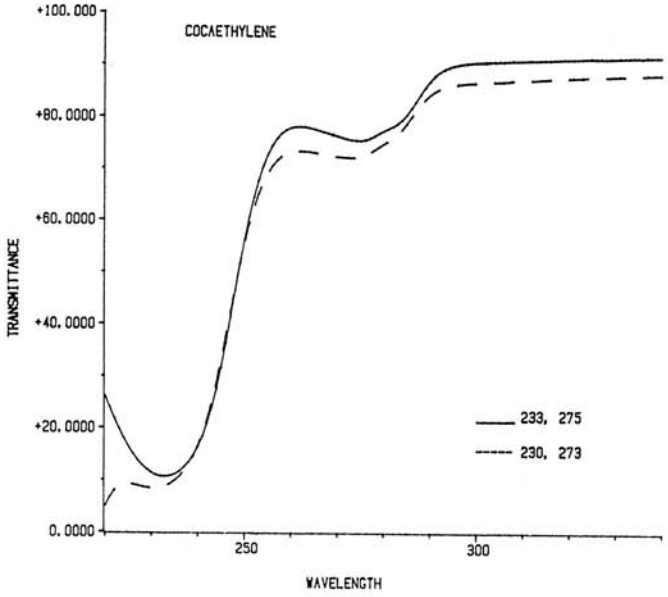
$C_{18}H_{23}NO_4$

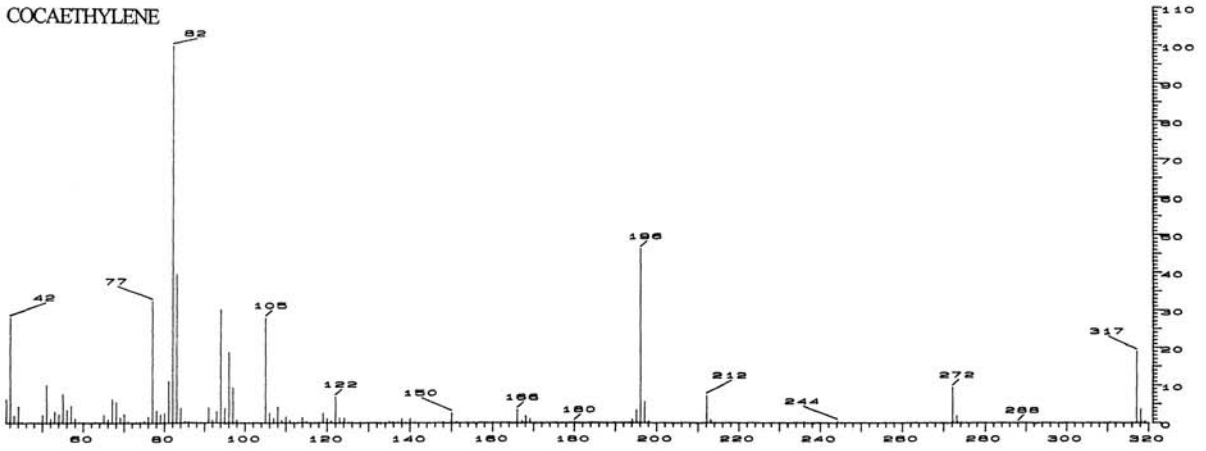
Molecular Weight: 317.38 (317.16)

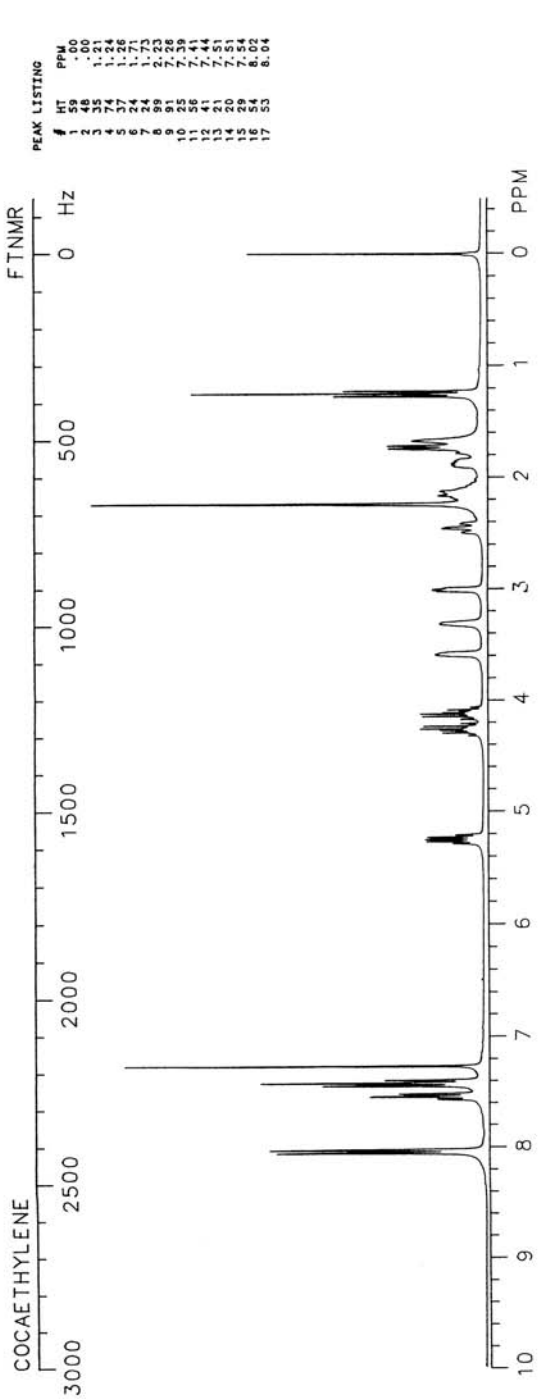
Synonyms: [1R-(exo,exo)]-3-(Benzoyloxy)-8-methyl-8-azabicyclo[3.2.1]octane-2-carboxylic acid ethyl ester; ecgonine ethyl ester benzoate; ethylbenzoylecgonine; homocaine; O-benzoyl-1-ecgonine ethyl ester
Trade Names:
Use: Local anesthetic

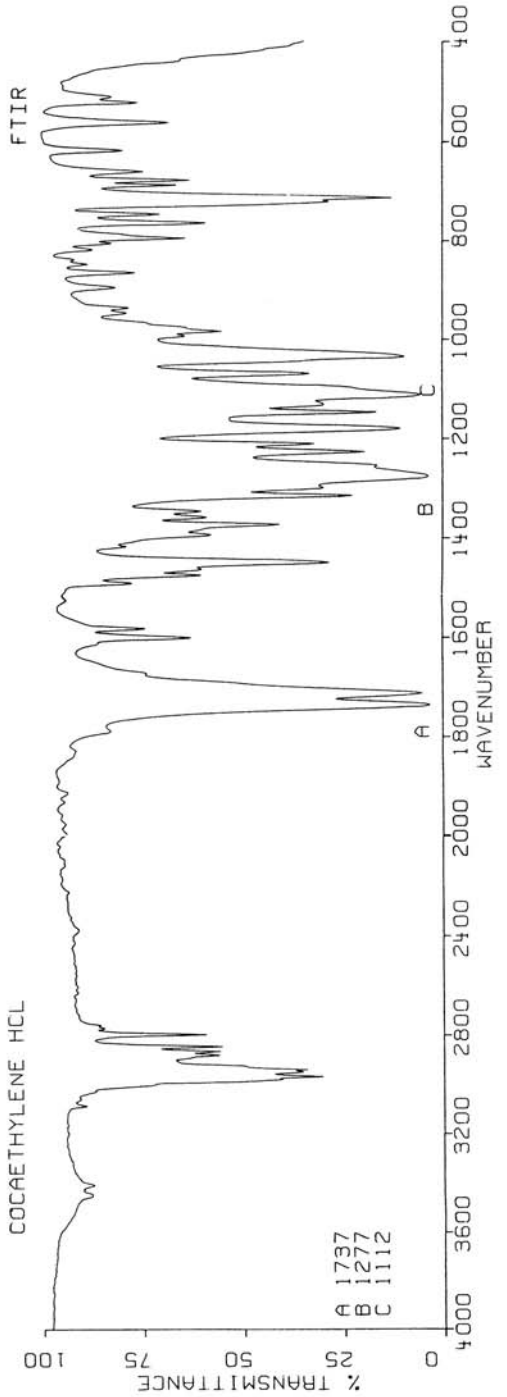
HPLC: Methanol: 2.8
GC: 2281; 200°







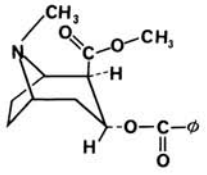

FTNMR
COCAETHYLENE
PEAK LISTING
HT PPM
1 59 .00
2 48 1.00
3 35 1.21
4 74 1.24
5 37 1.26
6 24 1.71
7 24 2.23
8 91 7.28
9 25 7.39
10 56 7.41
11 41 7.44
12 21 7.51
13 20 7.51
14 54 8.02
15 53 8.04
Hz
PPM


FTIR
COCAETHYLENE HCL
A 1737
B 1277
C 1112
% TRANSMITTANCE
WAVENUMBER

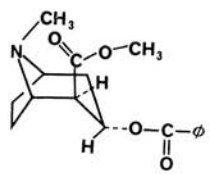
COCAINE

$C_{17}H_{21}NO_4$

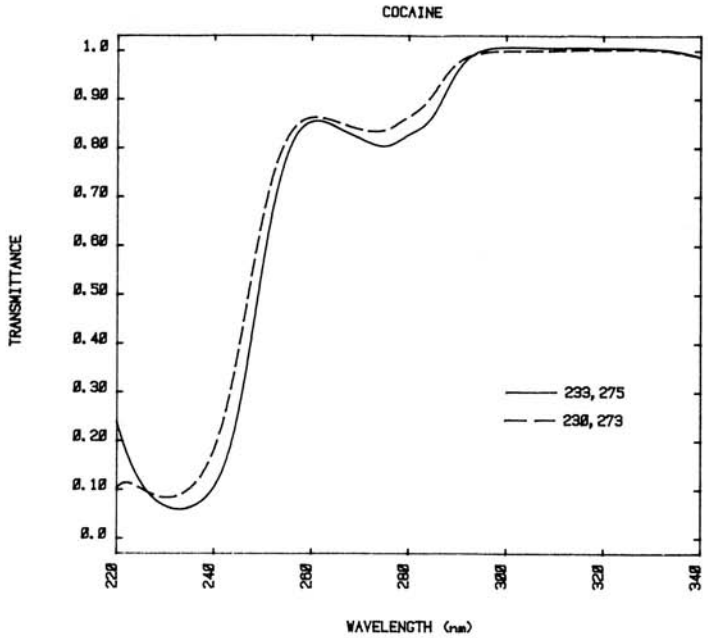
Molecular weight: 303.36 (303.15)
Synonyms: [1R-(exo,exo)]-3-(Benzoyloxy)-8-methyl-8-azabicyclo-[3.2.1]octane-2-carboxylic acid methyl ester; ecgonine methyl ester benzoate; 3β-hydroxy-1αH,5αH-tropane-2β-carboxylic acid methyl ester benzoate; benzoylmethylecgonine
Trade names:
Use: Topical anesthetic
HPLC: Si-10; 1A:99B; 7.0
GC: 2242; 250°C

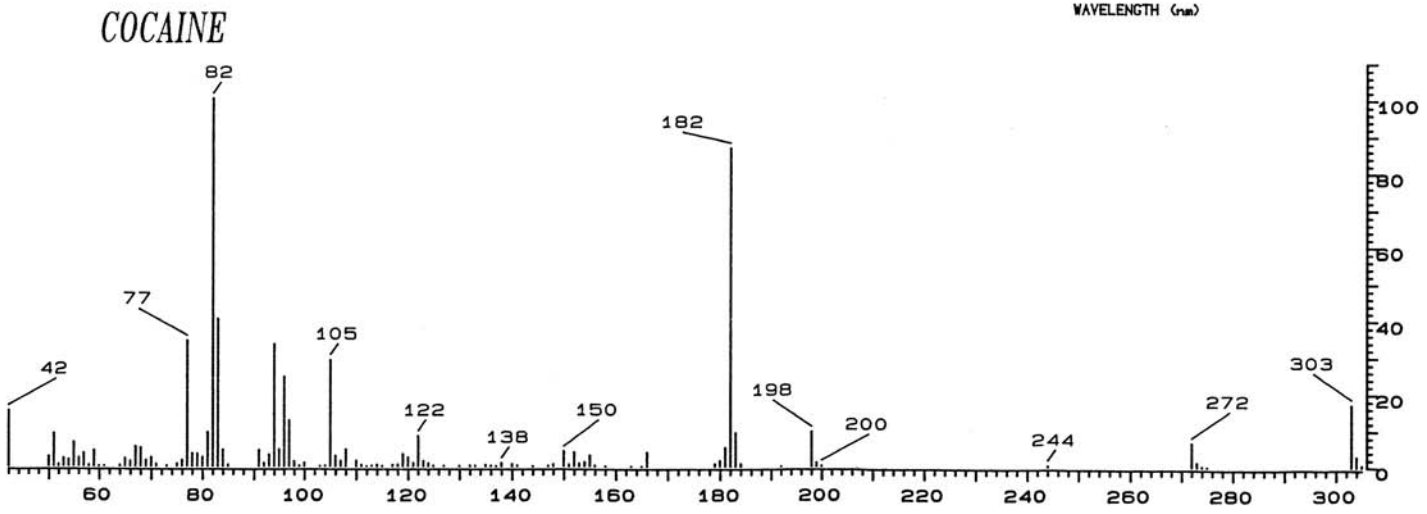


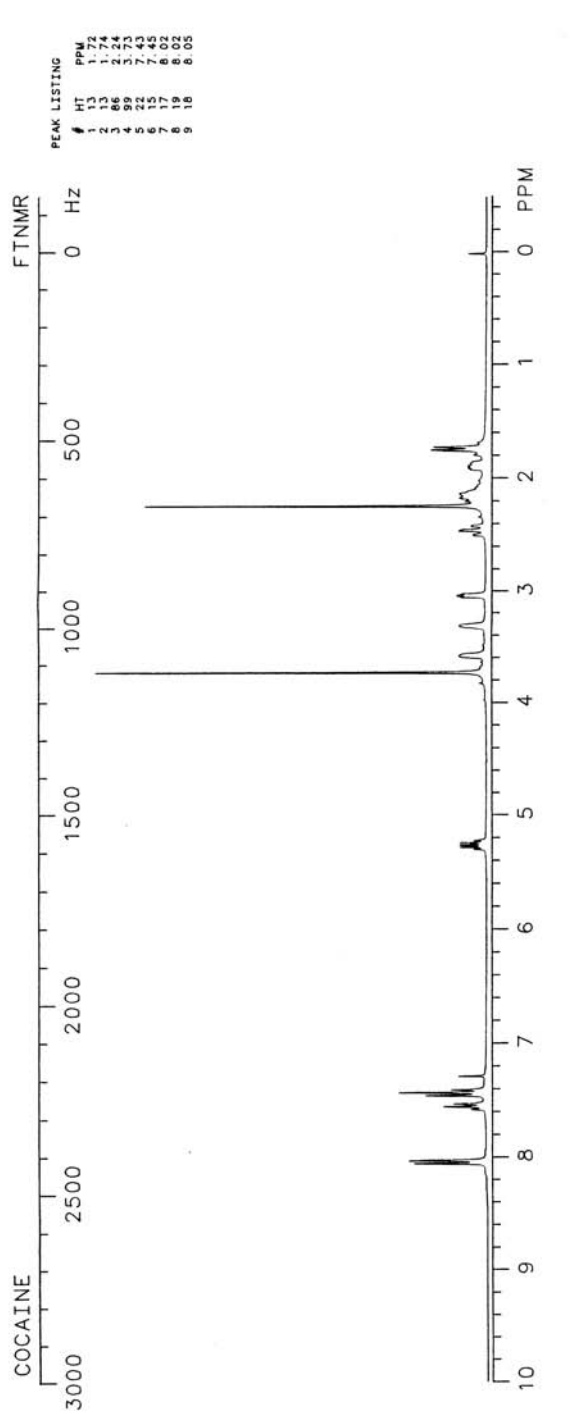
l-Cocaine

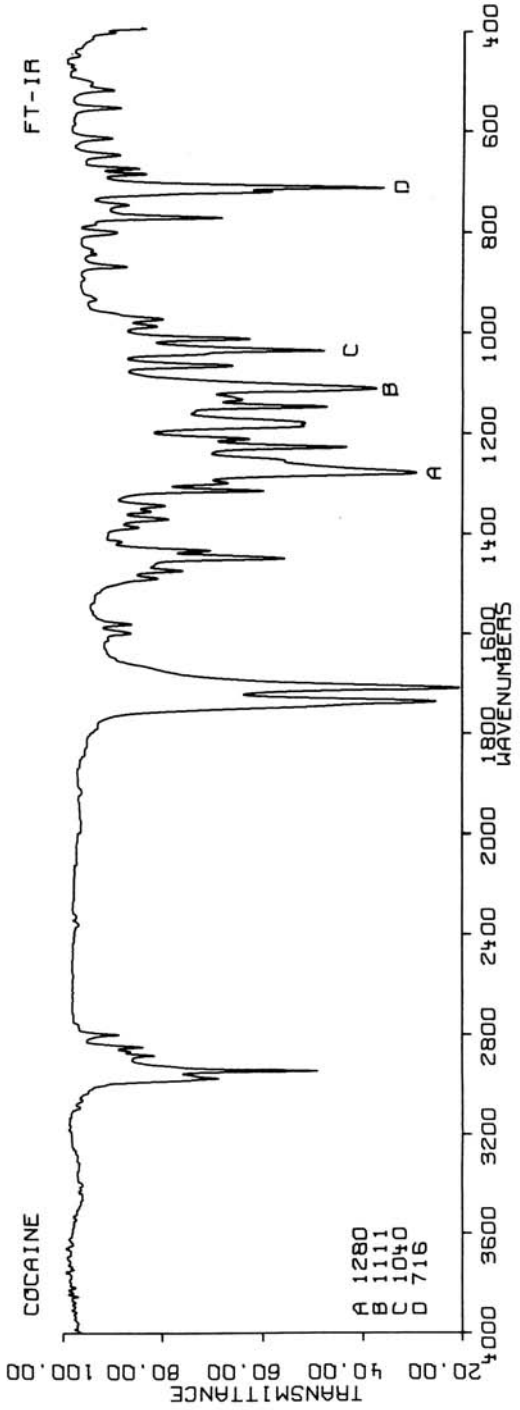


d-Cocaine






COCAINE
FTNMR
PEAK LISTING
HT PPM
1 13 1.72
2 13 1.76
3 86 2.24
4 99 3.73
5 22 7.43
6 15 7.45
7 17 8.02
8 19 8.02
9 18 8.05
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

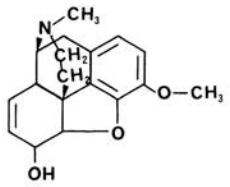

COCAINE
FT-IR
A 1280
B 1111
C 1040
D 716
A
B
C
D
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

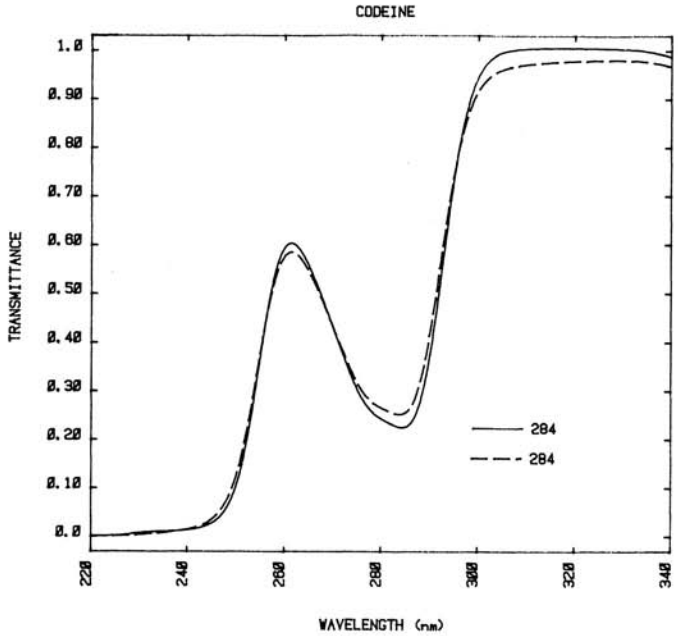
CODEINE

$C_{18}H_{21}NO_3$

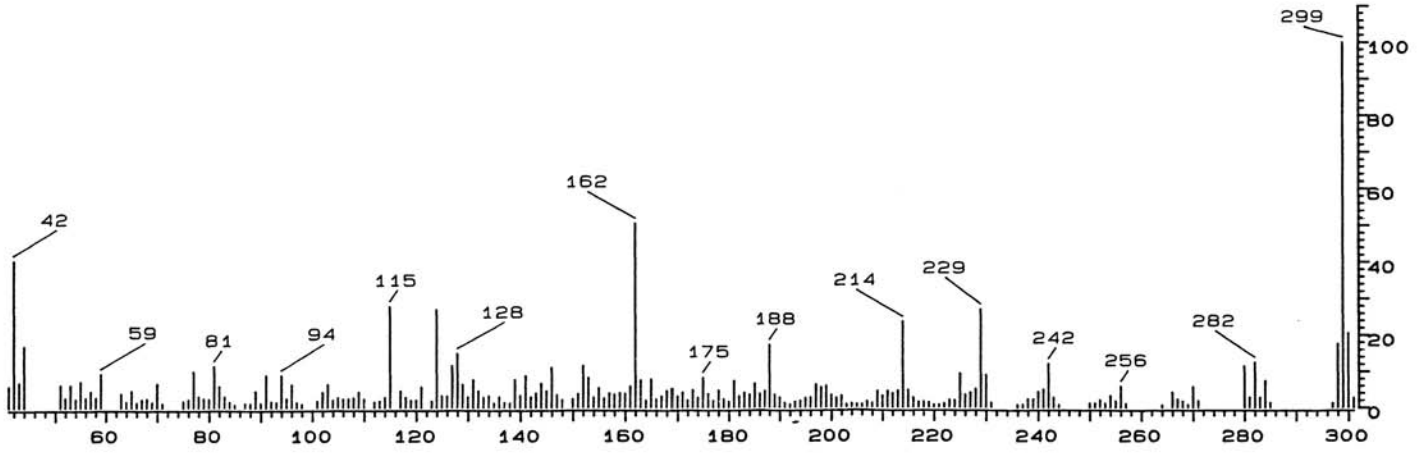
Molecular weight: 299.37 (299.15)
Synonyms: 7,8-Didehydro-4,5α-epoxy-3-methoxy-17-methylmorphinan-6α-ol; morphine-3-methyl ether
Trade names: Ingredient of numerous preparations

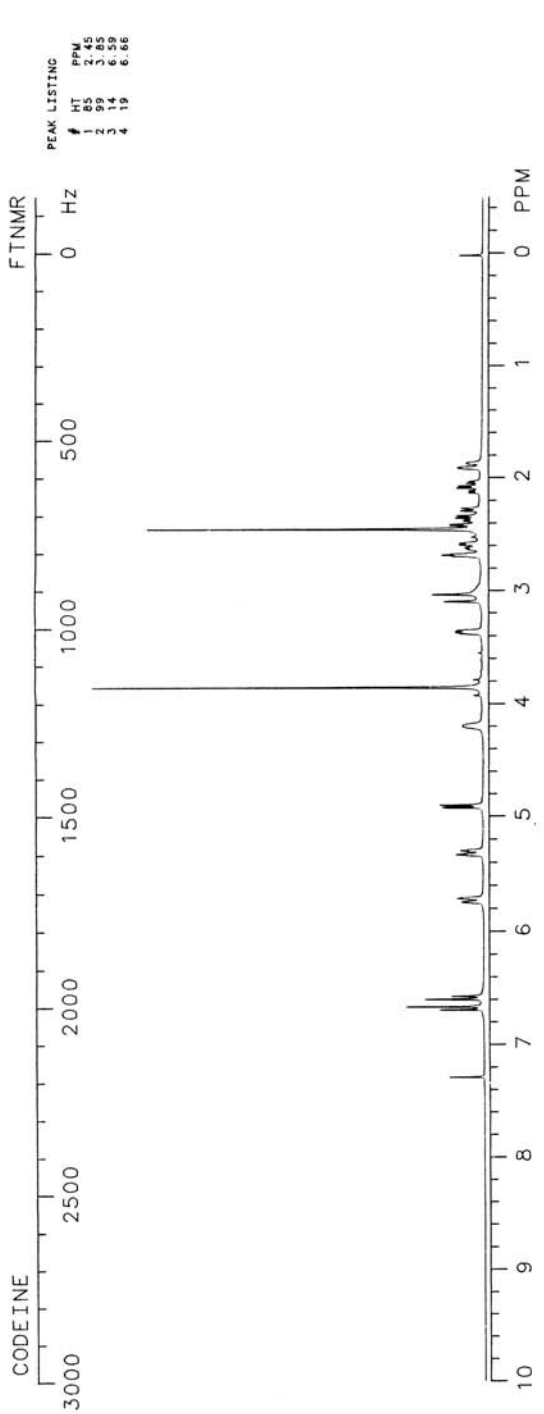
Use: Narcotic analgesic
HPLC: Si-10; 5A:95B; 4.5
GC: 2450; 250°C

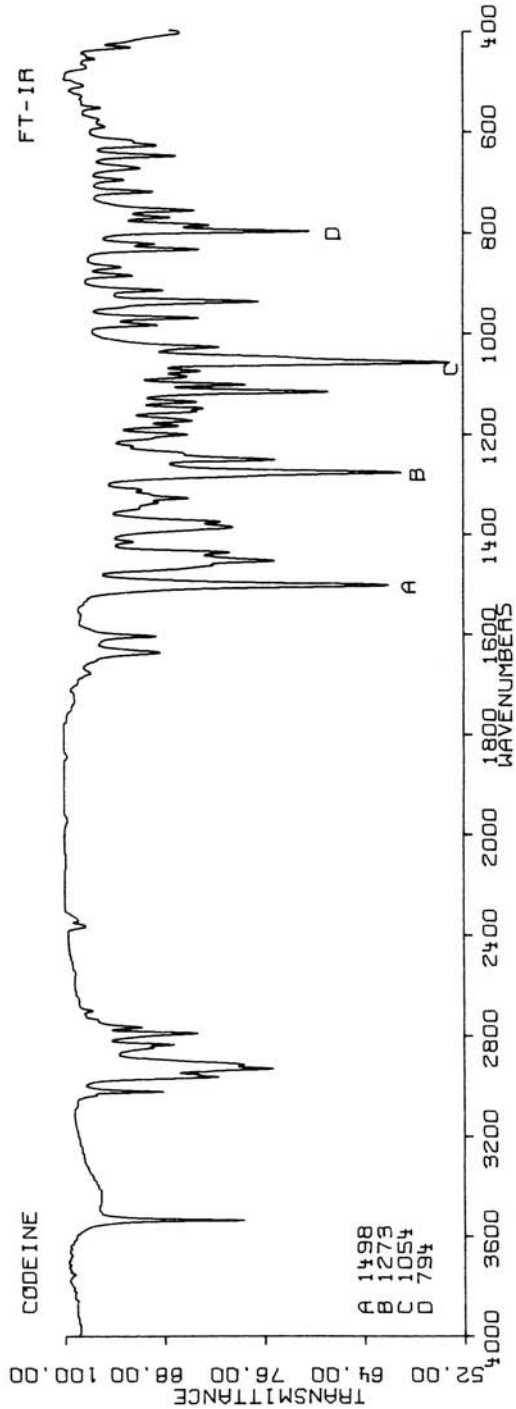




CODEINE




FTNMR
CODEINE
PEAK LISTING
HT PPM
1 85 2.45
2 99 3.85
3 14 6.59
4 19 6.66
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

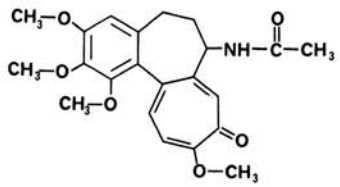

FT-IR
CODEINE
A 1498
B 1273
C 1054
D 794
A
B
C
D
TRANSMITTANCE
52.00 64.00 76.00 88.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

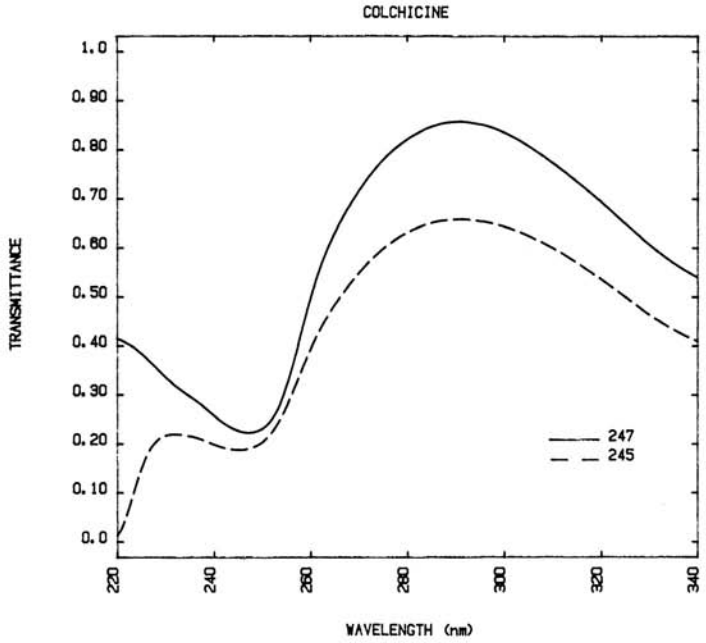
COLCHICINE

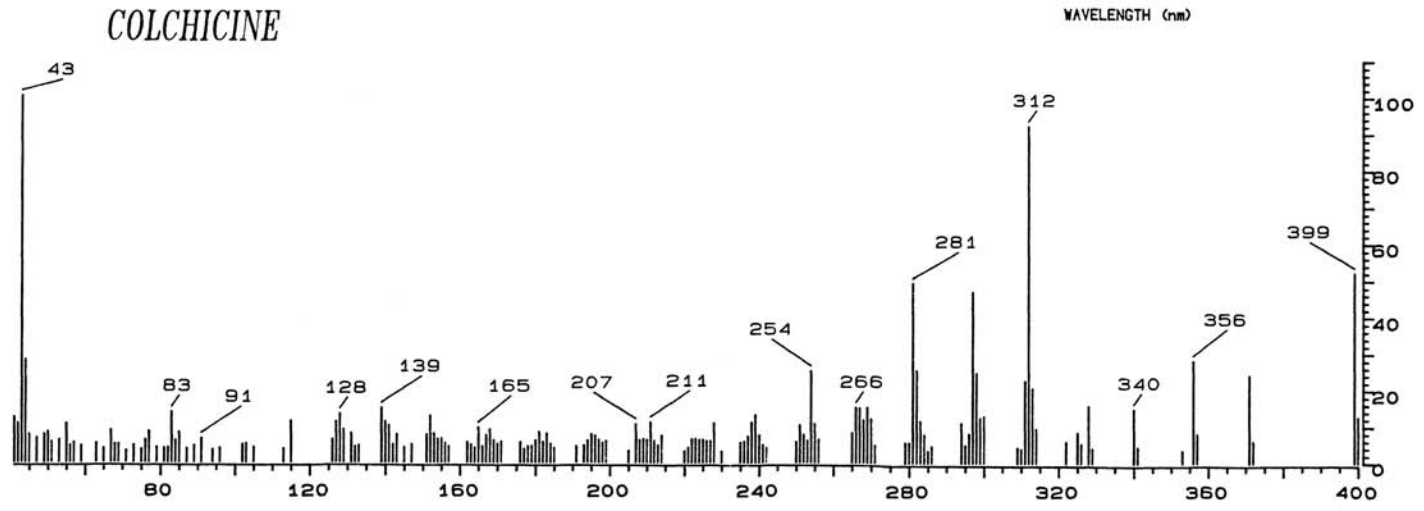
$C_{22}H_{25}NO_6$

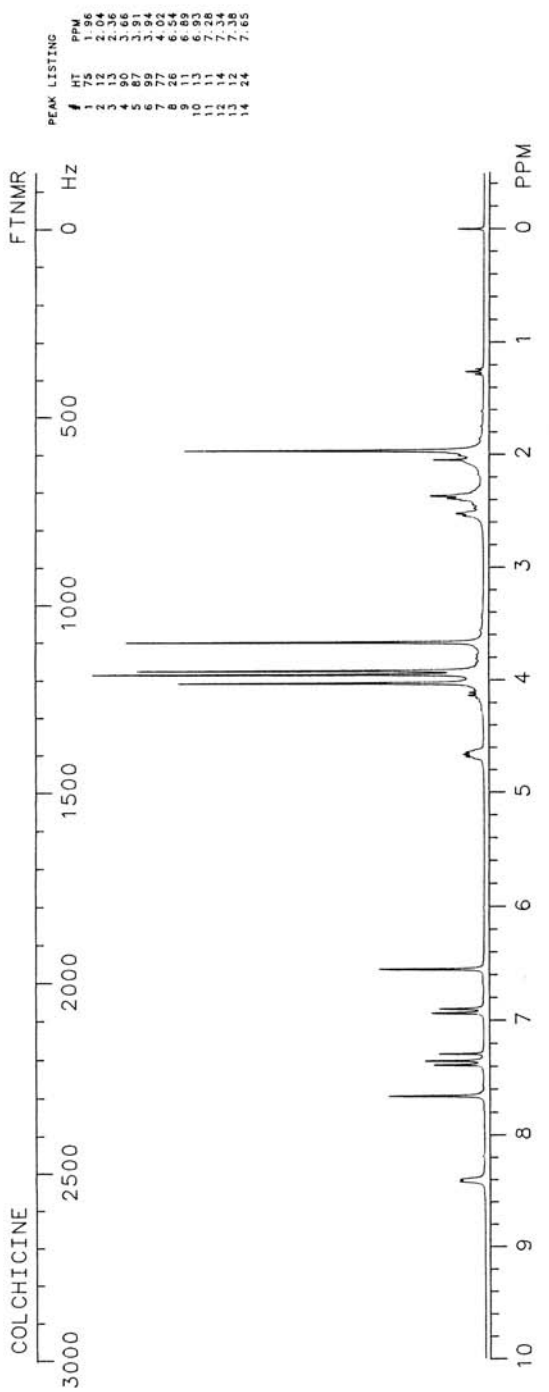
Molecular weight: 399.44 (399.17)
Synonyms: (S)-N-(5,6,7,9-Tetrahydro-1,2,3,10-tetramethoxy-9-oxobenzo[a]heptalen-7-yl)acetamide
Trade names: ColBenemid, Colchicine, Col-Probenecid, Probenecid

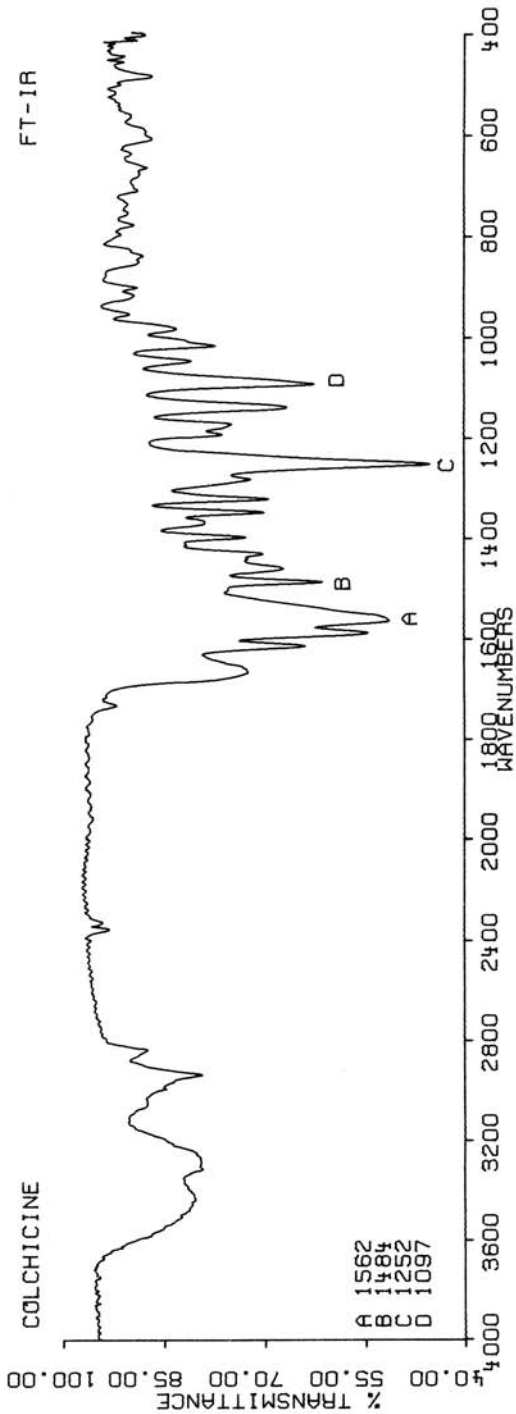
Use: Gout suppressant
HPLC: Si-10; 2A:98B; 4.2
GC: 3447; 280°C








COLCHICINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 75 1.96
2 12 2.04
3 13 2.26
4 10 3.66
5 87 3.81
6 99 3.84
7 77 4.02
8 26 6.54
9 11 6.69
10 13 6.93
11 11 7.28
12 14 7.34
13 12 7.38
14 24 7.65
10 9 8 7 6 5 4 3 2 1 0 PPM


COLCHICINE
FT-IR
A 1562
B 1484
C 1252
D 1097
% TRANSMITTANCE
100.00
85.00
70.00
55.00
40.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D

CORTICOSTERONE

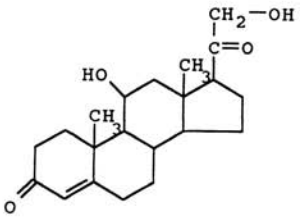
$C_{21}H_{30}O_4$

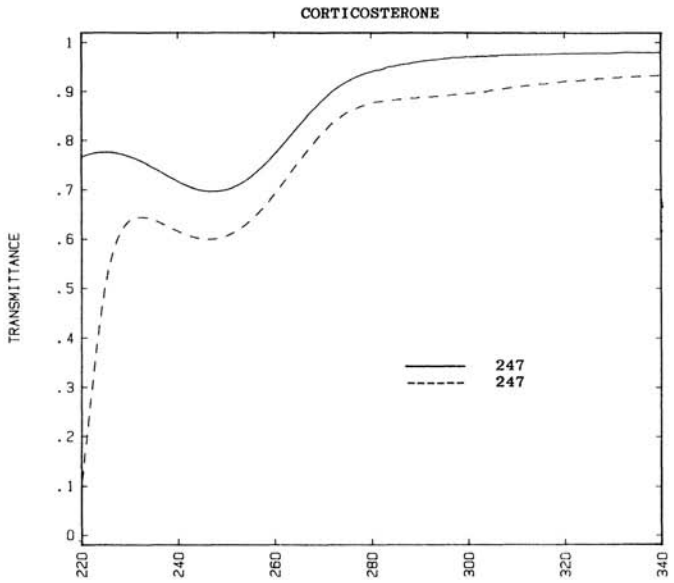
Molecular weight: 346.45 (346.21)

Synonyms: (11β)-11,21-Dihydroxypregn-4-ene-3,20-dione; compound B; Kendall's compound B

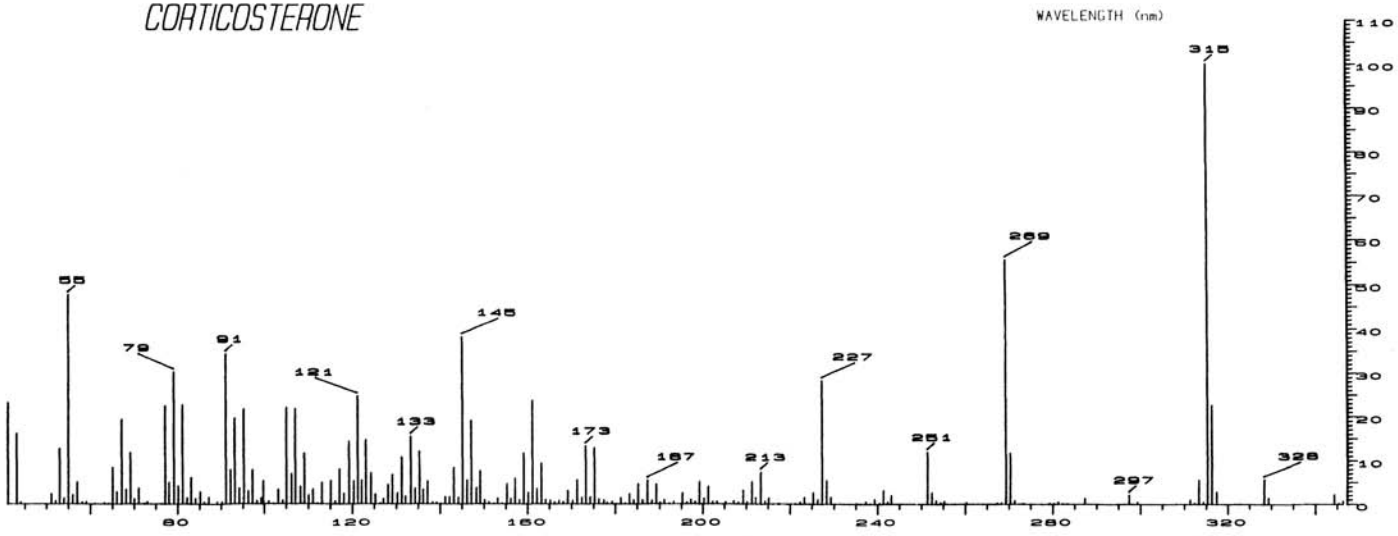
Trade names:

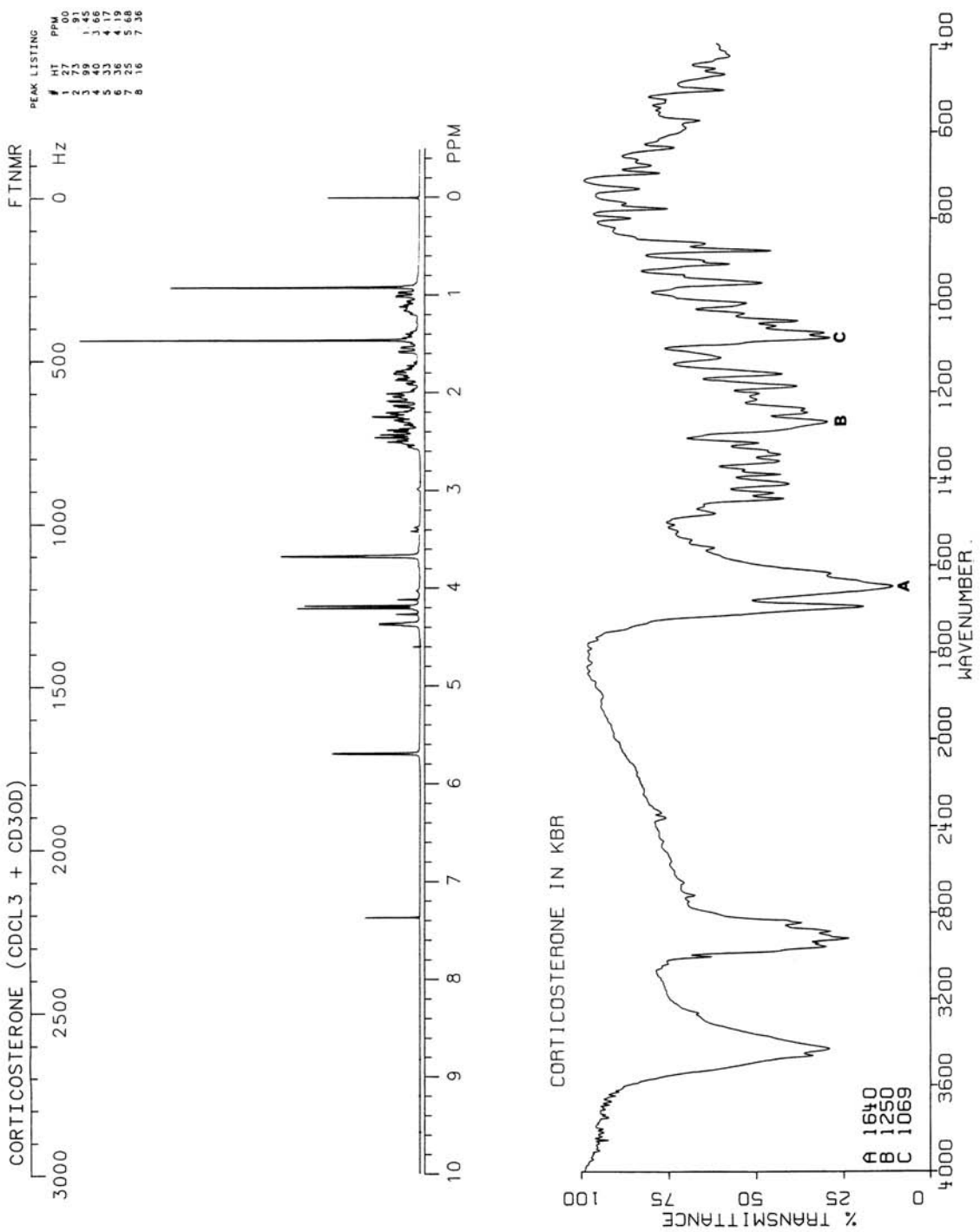
Use: Glucocorticoid
HPLC: 70A:30B; 2.4
GC: 3271; 280





CORTICOSTERONE




CORTICOSTERONE (CDCL3 + CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 27 00
2 73 91
3 99 1 45
4 40 1 66
5 33 4 17
6 36 4 19
7 25 5 68
8 16 7 36
10 9 8 7 6 5 4 3 2 1 0 PPM
CORTICOSTERONE IN KBR
A 1640
B 1250
C 1069
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

CORTICOSTERONE–21–ACETATE

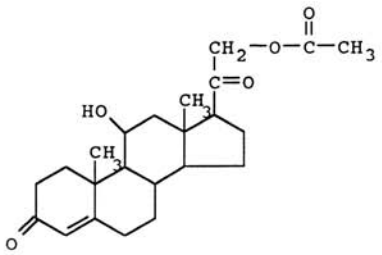
$C_{23}H_{32}O_5$

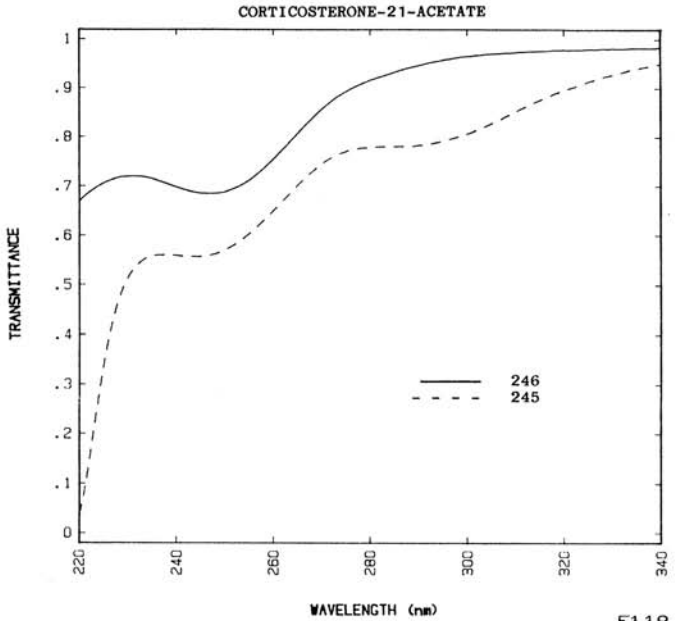
Molecular weight: 388.45 (388.23)

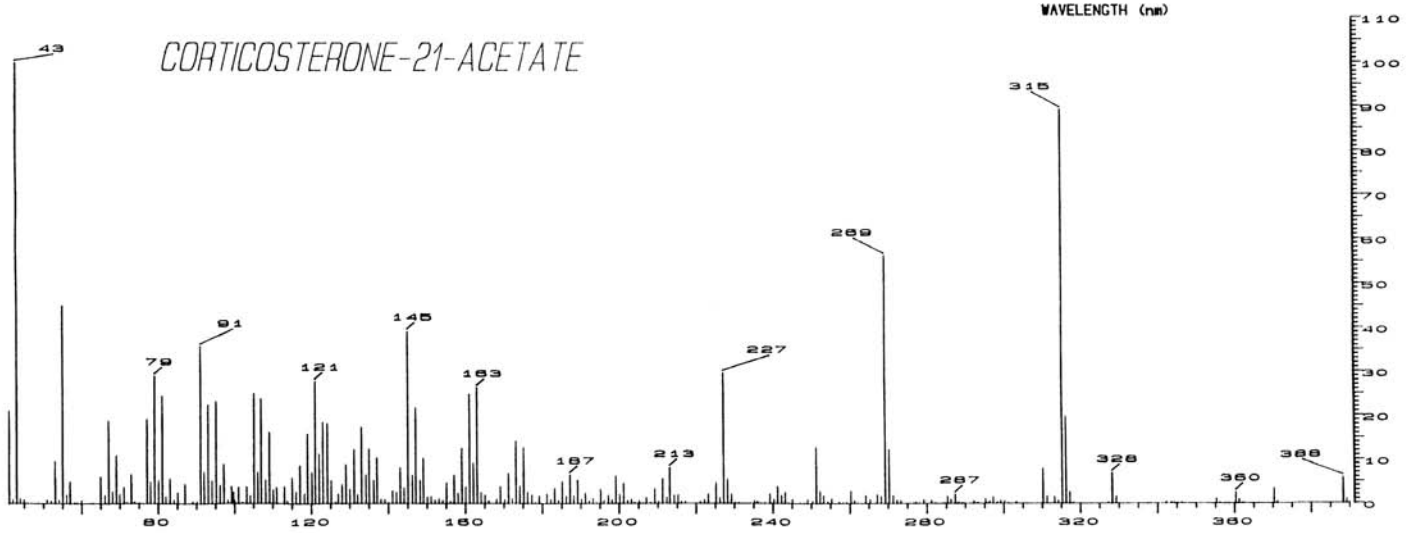
Synonyms: (11β)-11,21-Dihydroxypregn-4-ene-3,20-dione-21-acetate

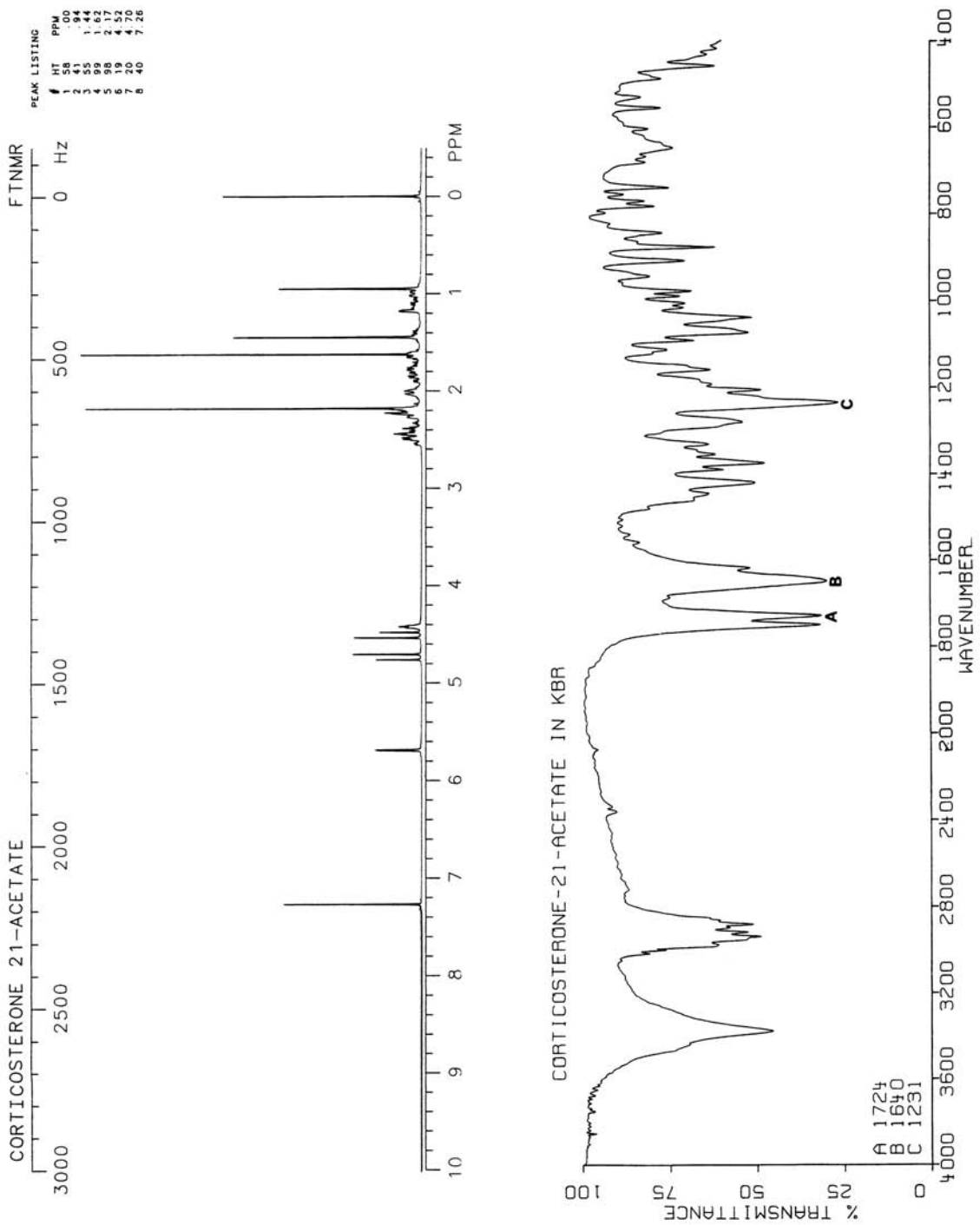
Trade names:

Use: Glucocorticoid
HPLC: 70A:30C; 3.0
GC: 3369; 280








CORTICOSTERONE 21-ACETATE
FTNMR
PEAK LISTING
HT PPM
1 58 .00
2 41 .94
3 55 1.44
4 99 1.62
5 98 2.17
6 19 4.52
7 20 4.70
8 40 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CORTICOSTERONE-21-ACETATE IN KBR
% TRANSMITTANCE
100 75 50 25 0
A 1724
B 1640
C 1231
A B C
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

CORTICOSTERONE–21–SULFATE POTASSIUM SALT

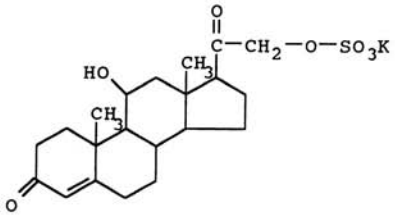
$C_{21}H_{29}O_7SK$

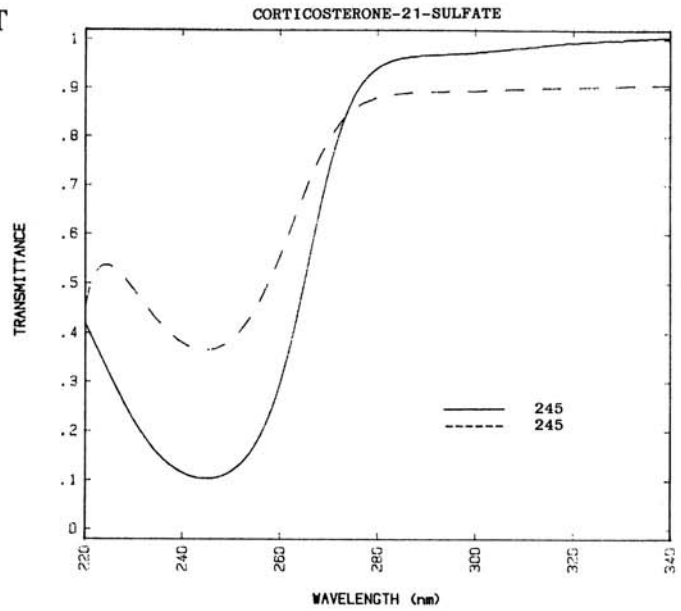
Molecular weight: 464.62 (464.26)

Synonyms: (11β)-11,21-Dihydroxypregn-4-ene-3,20-dione-21-sulfate

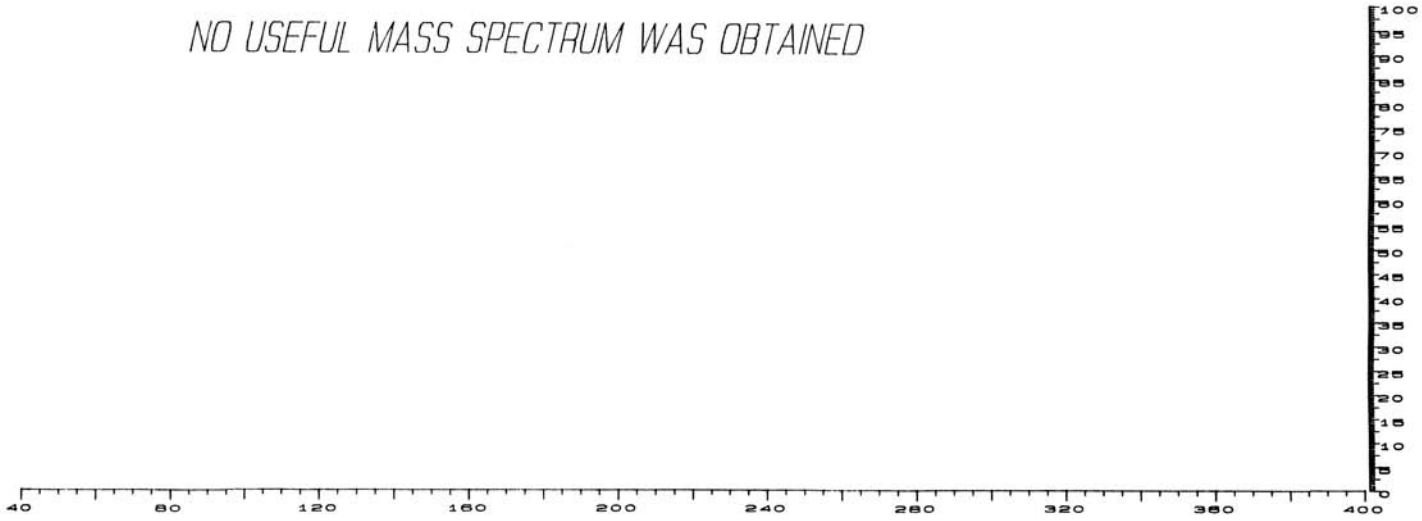
Trade names:

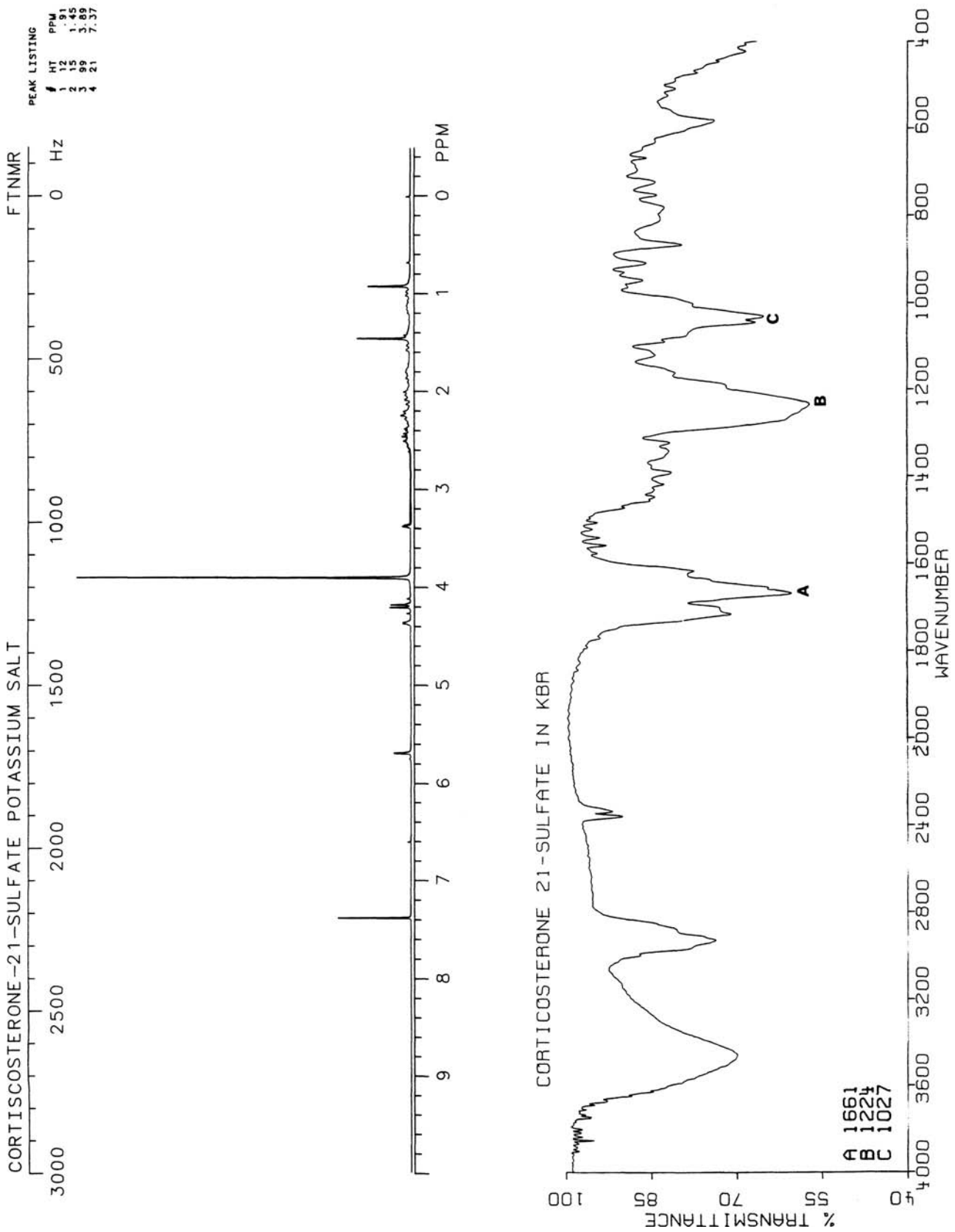
Use:
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



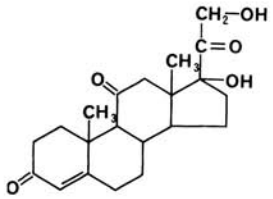

CORTISCOSTERONE-21-SULFATE POTASSIUM SALT
FTNMR
PEAK LISTING
HT PPM
.91
1.45
3.89
7.37
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
CORTICOSTERONE 21-SULFATE IN KBR
A 1661
B 1224
C 1027
A
B
C
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

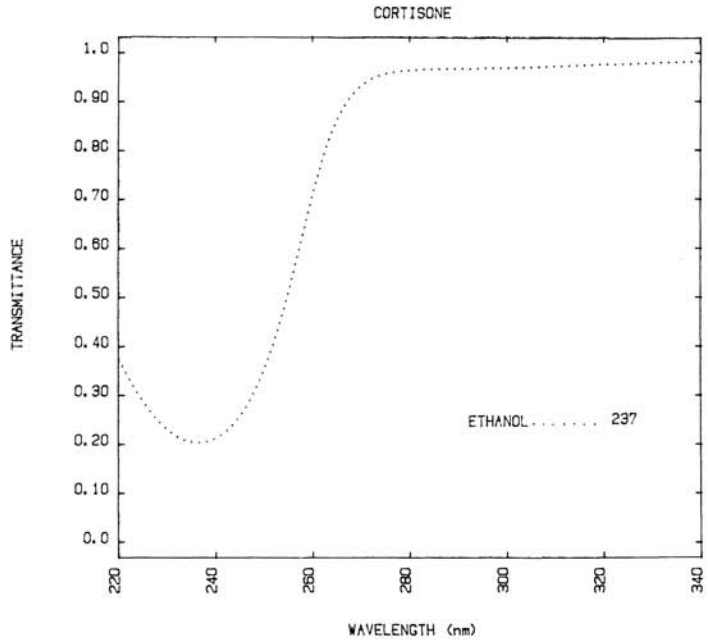
CORTISONE

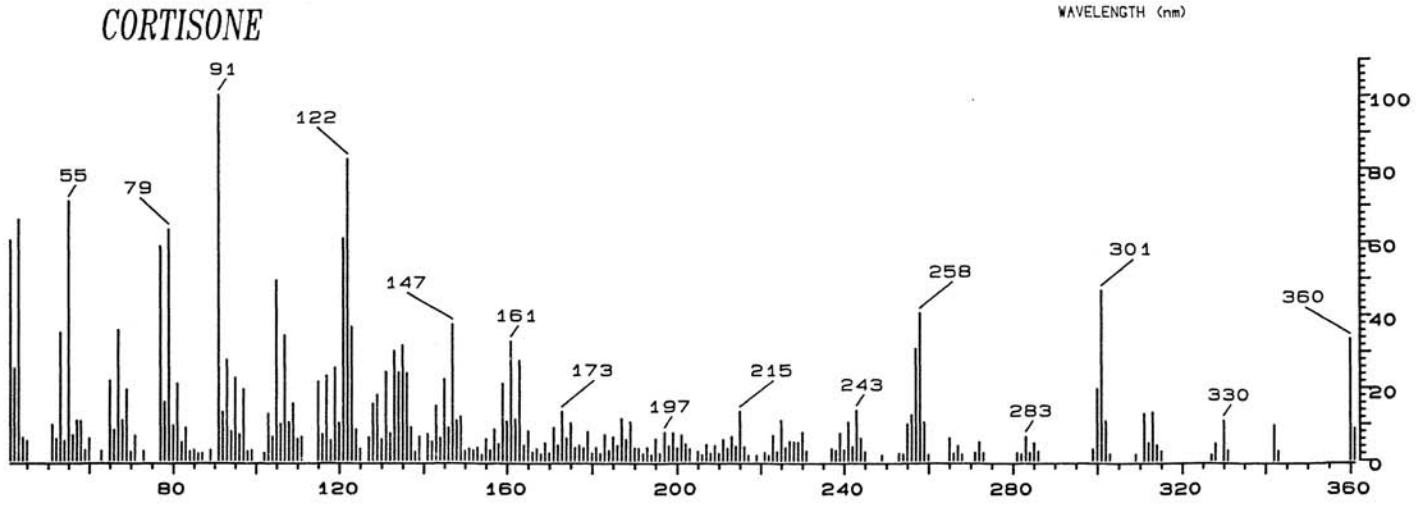
$C_{21}H_{28}O_5$

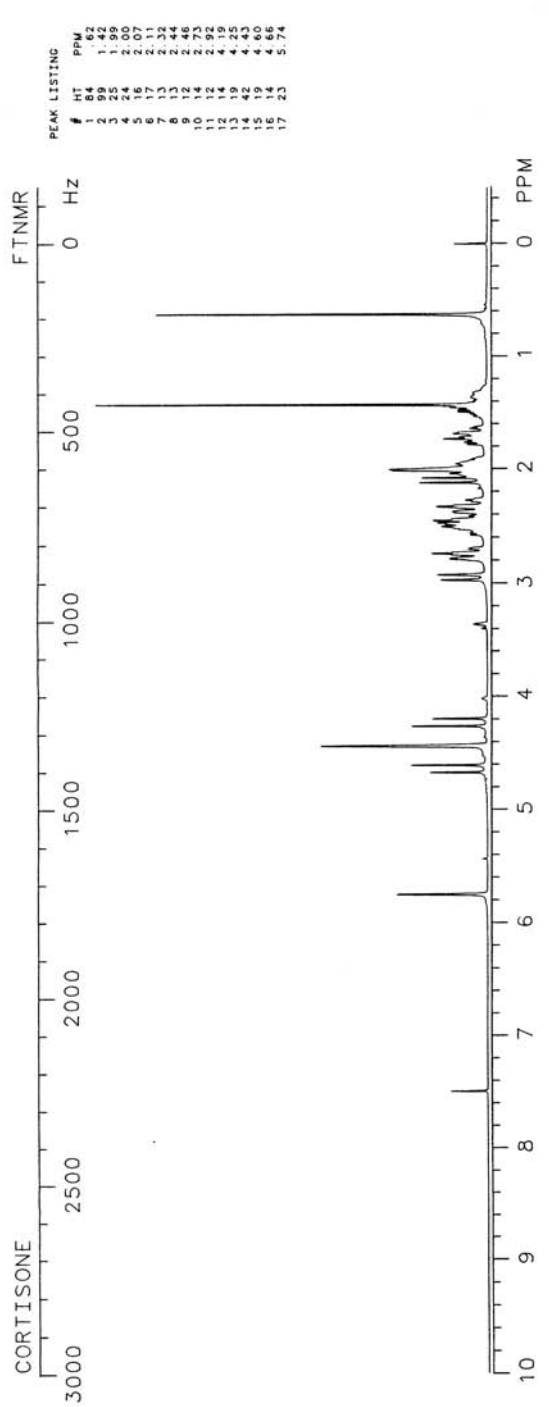
Molecular weight: 360.45 (360.19)
Synonyms: 17α,21-Dihydroxy-4-pregnene-3,11,20-trione;
17-hydroxy-11-dehydrocorticosterone
Trade names: Cortisone

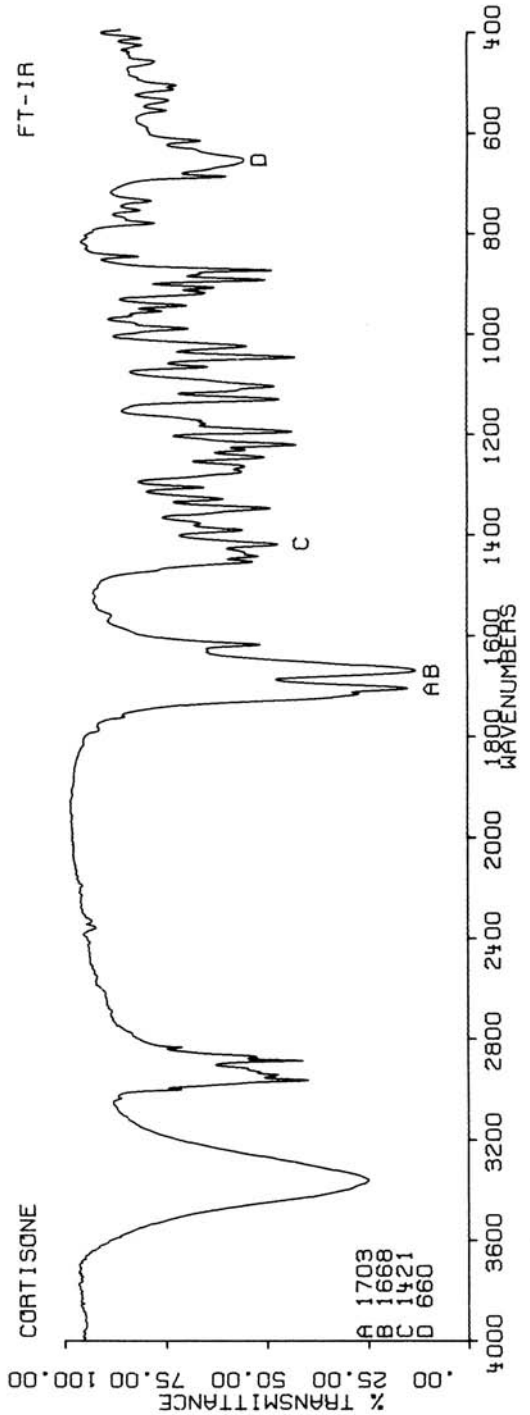
Use: Glucocorticoid, anti-inflammatory
HPLC:
GC:








FTNMR
CORTISONE
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 84 .62
2 99 1.42
3 25 1.99
4 24 2.00
5 16 2.07
6 17 2.11
7 13 2.32
8 13 2.44
9 12 2.46
10 14 2.73
11 12 2.92
12 14 4.19
13 19 4.25
14 42 4.43
15 19 4.60
16 14 4.66
17 23 5.74


FT-IR
CORTISONE
% TRANSMITTANCE
.00
25.00
50.00
75.00
100.00
A 1703
B 1668
C 1421
D 660
AB
C
D
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

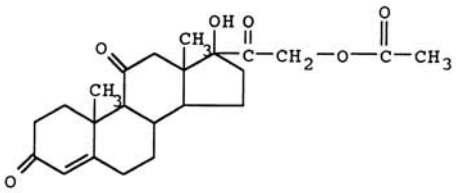
CORTISONE ACETATE

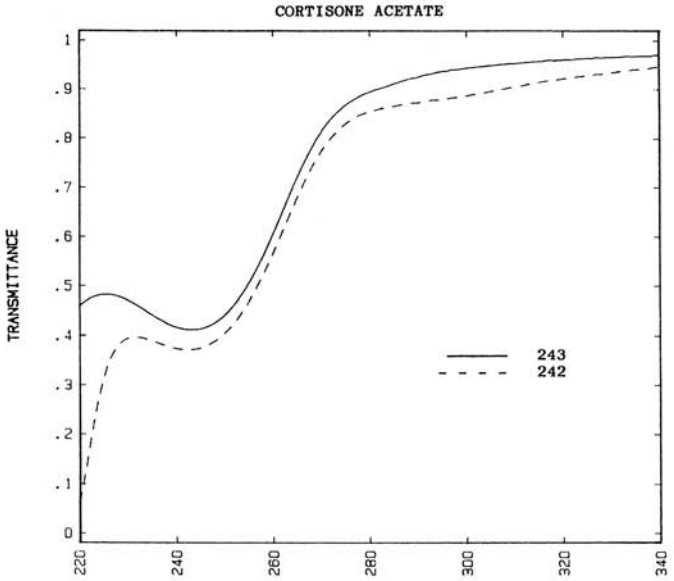
$C_{23}H_{30}O_6$

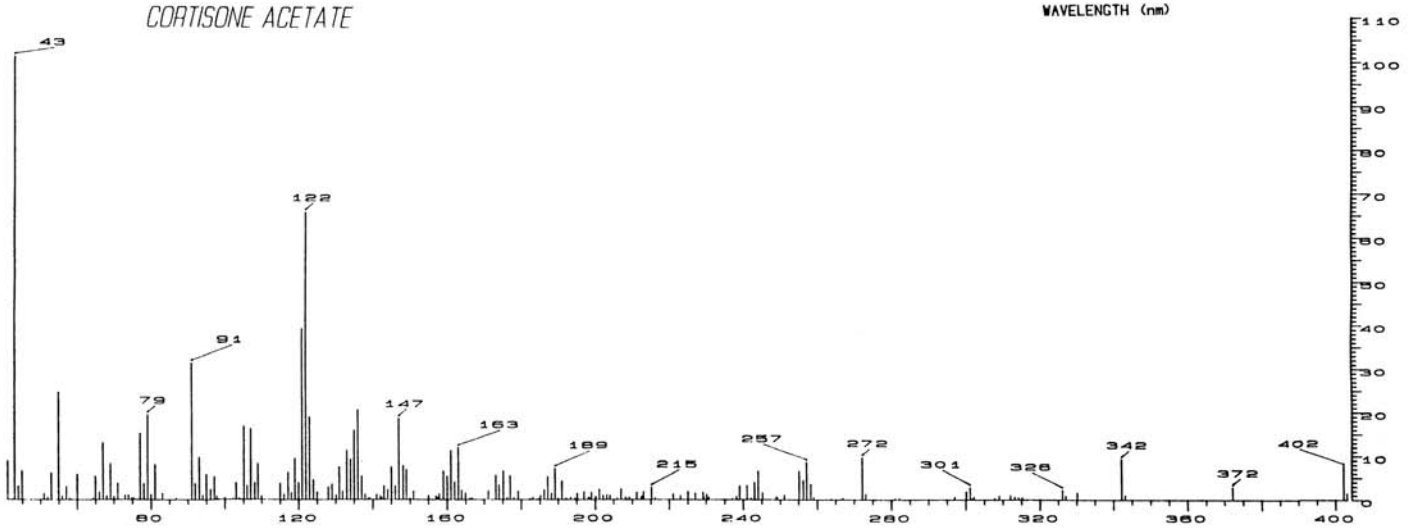
Molecular weight: 402.49 (402.20)

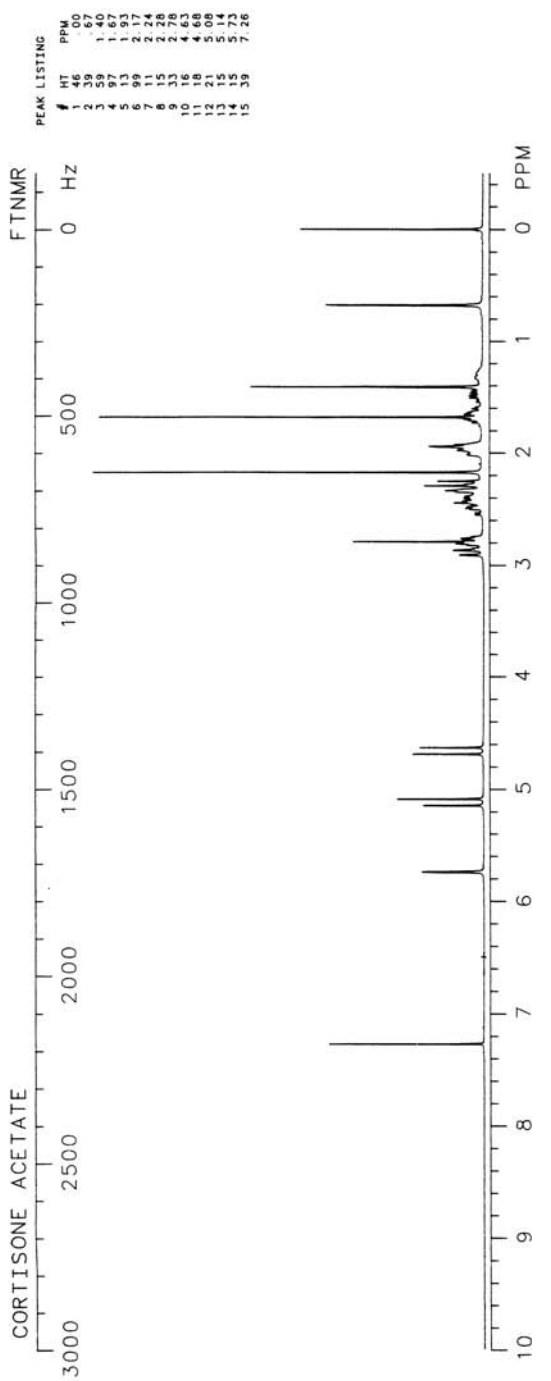
Synonyms: 17α,21-Dihydroxy-4-pregnene-3,11,20-trione-21-acetate

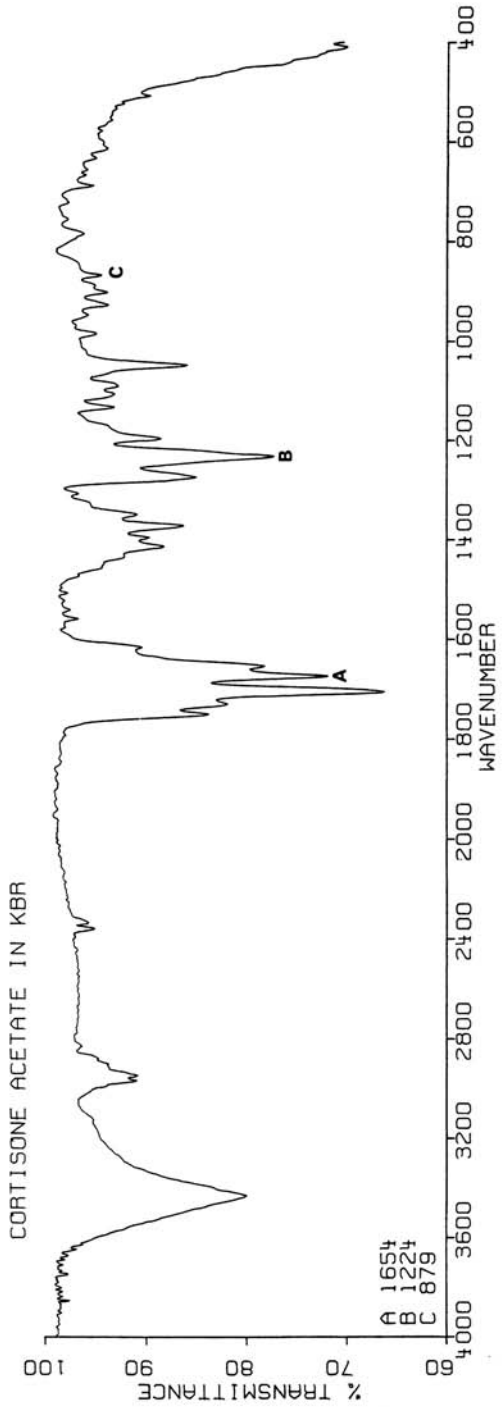
Trade names: Adreson, Cortale, Cortelan, Cortisol, Cortison, Cortistab, Cortisyl, Cortone, Sterop
Use: Anti-inflammatory
HPLC: 70A:30B; 2.3
GC: 3355; 280°








CORTISONE ACETATE
FTNMR
PEAK LISTING
HT PPM
1 46 00
2 39 67
3 59 1.40
4 97 1.67
5 13 1.93
6 99 2.17
7 11 2.24
8 15 2.28
9 33 2.78
10 16 4.63
11 18 4.68
12 21 5.08
13 15 5.44
14 15 5.73
15 39 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


CORTISONE ACETATE IN KBR
A 1654
B 1224
C 879
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

CORTISONE–21–SULFATE

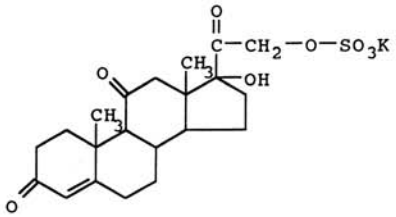
$C_{21}H_{27}O_8SK$

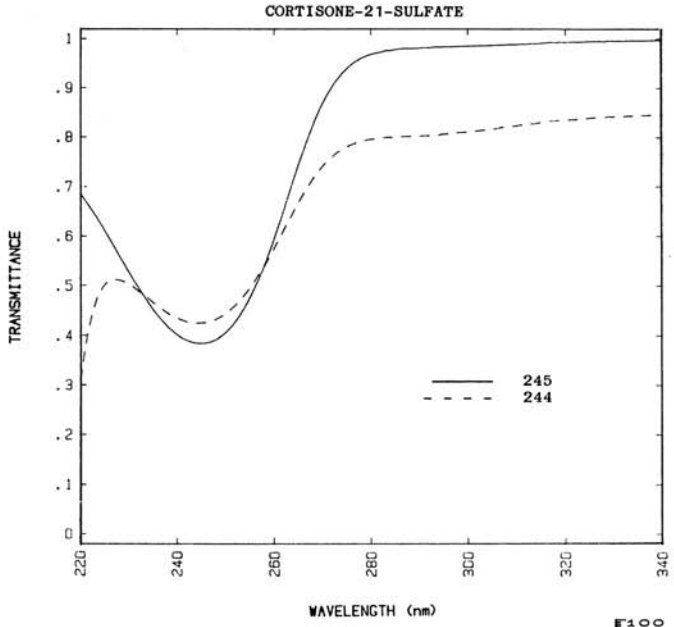
Molecular weight: 478.60 (478.24)

Synonyms: 17α,21-Dihydroxy-4-pregnene-3,11,20-trione-21-sulfate

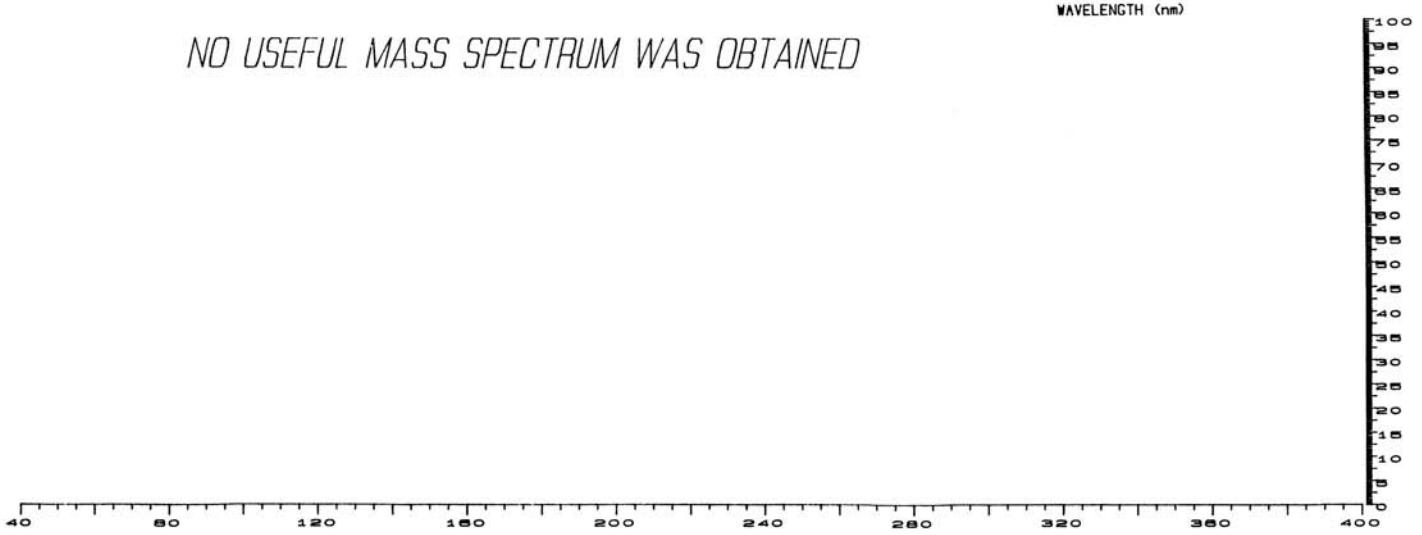
Trade names:

Use: Anti-inflammatory
HPLC: 80A:20B; 7.1
GC:

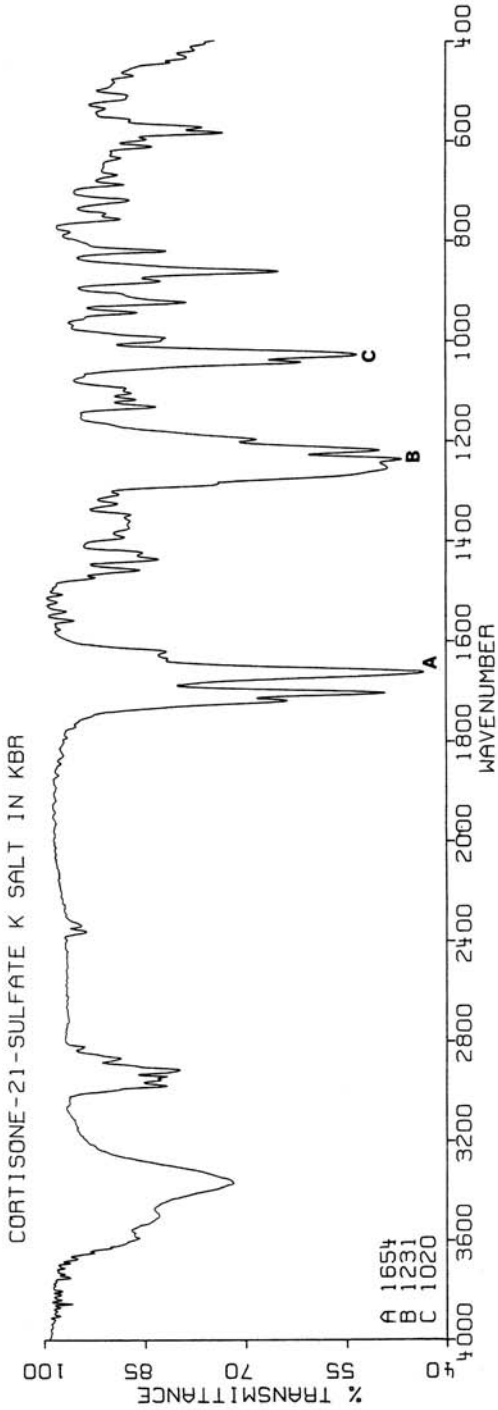




NO USEFUL MASS SPECTRUM WAS OBTAINED



INSUFFICIENT SOLUBILITY

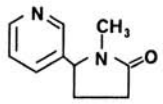


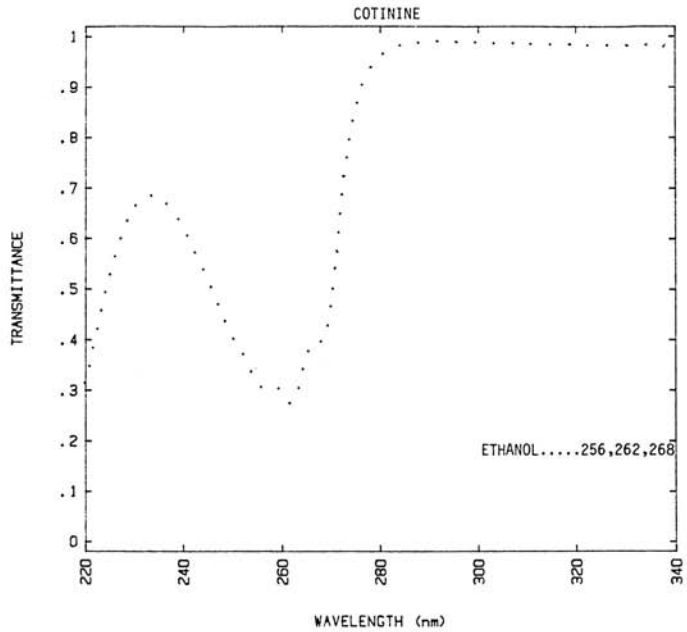
COTININE

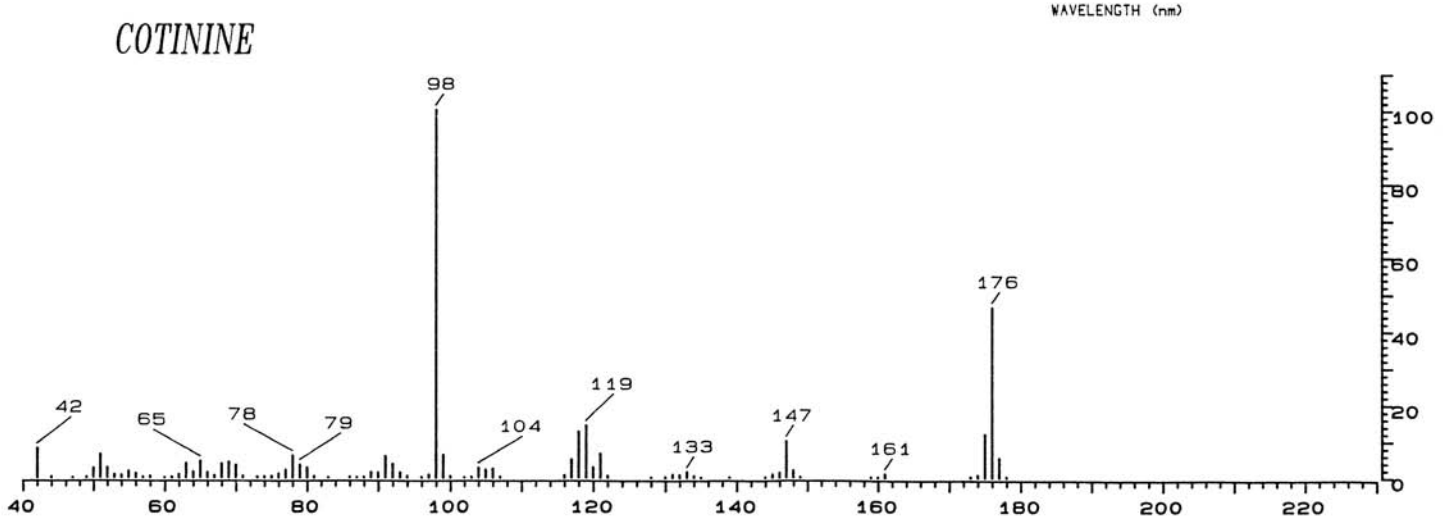
$C_{10}H_{12}N_2O$

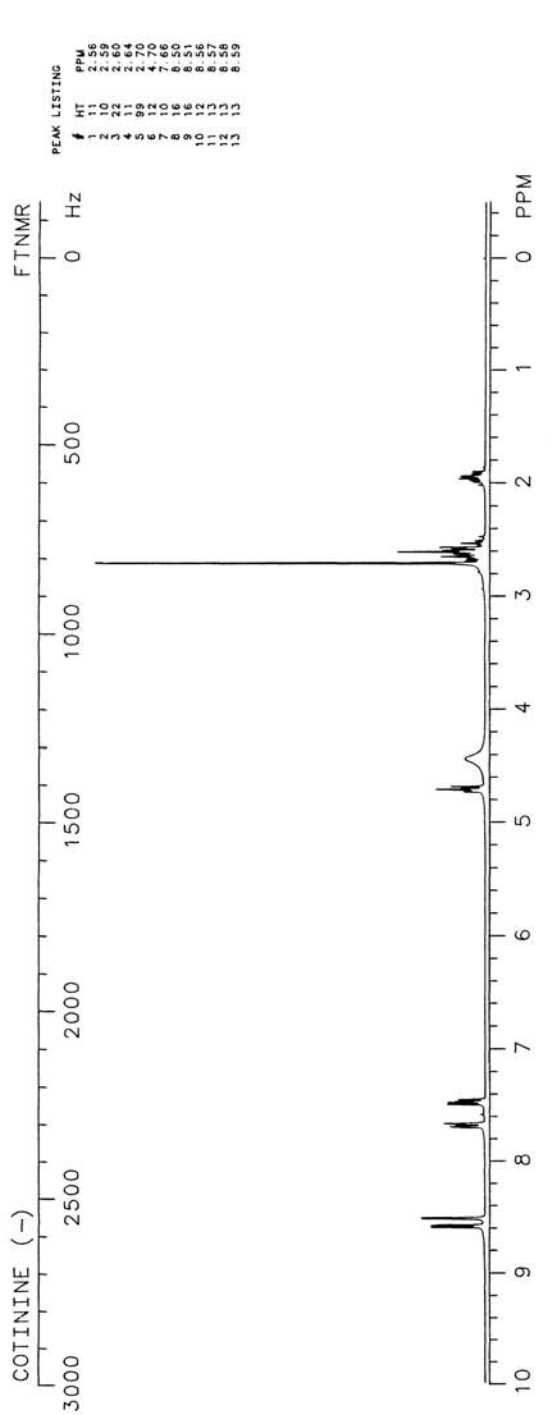
Molecular weight: 176.21 (176.10)
Synonyms: 1-Methyl-5-(3-pyridinyl)-2-pyrrolidinone; N-methyl-2-(3-pyridyl)-5-pyrrolidone
Trade names: Scotine

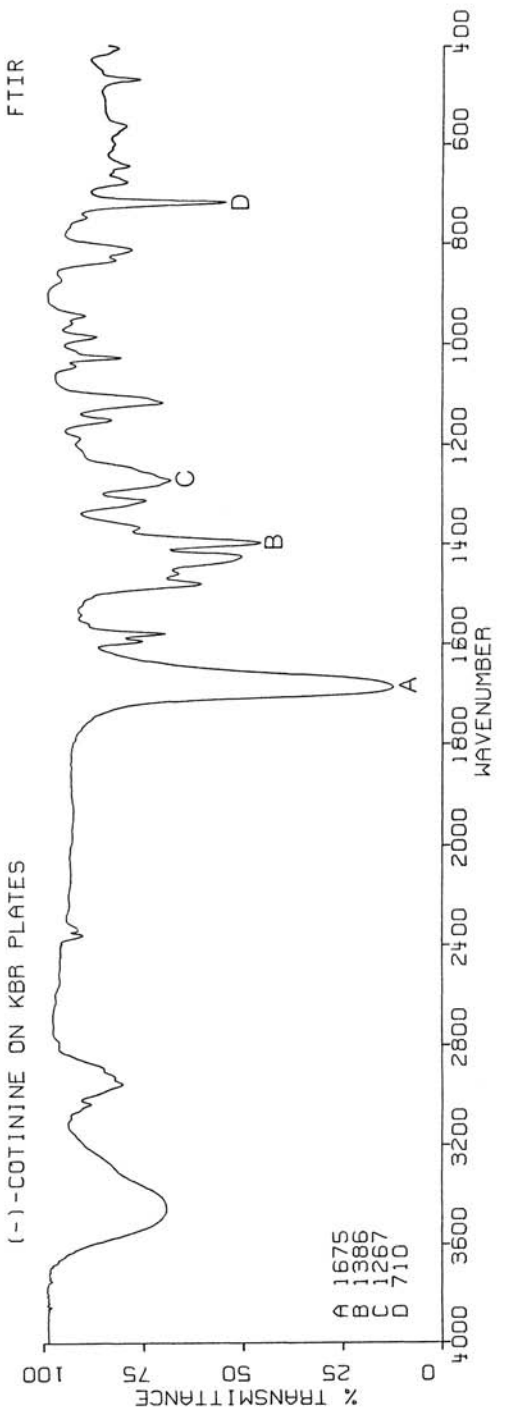
Use: Antidepressant
HPLC: Si-10; 2A:98B; 4.1
GC: 1736; 200°C







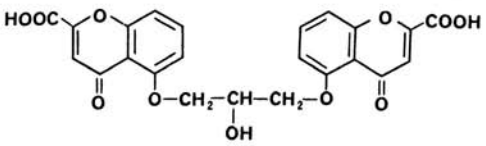

COTININE (-)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 11 2.56
2 10 2.59
3 22 2.60
4 11 2.64
5 99 2.70
6 12 4.70
7 10 7.66
8 16 8.50
9 16 8.51
10 12 8.56
11 13 8.57
12 13 8.58
13 13 8.59

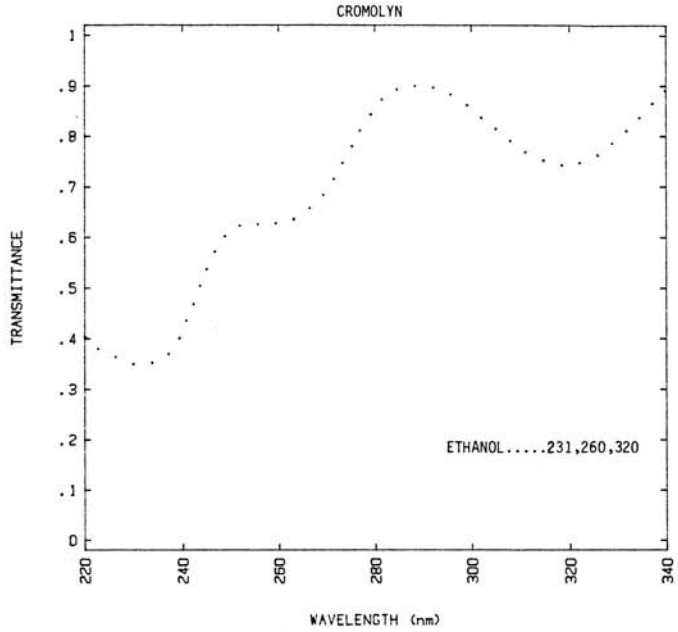

FTIR
(-)-COTININE ON KBR PLATES
A 1675
B 1386
C 1267
D 710
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

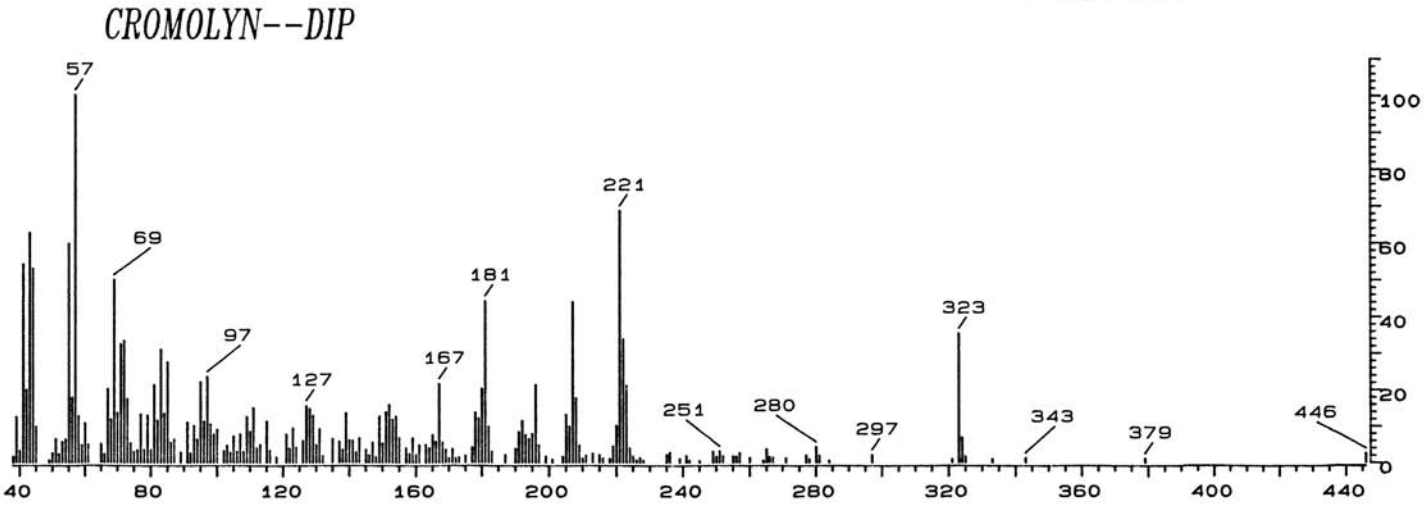
CROMOLYN

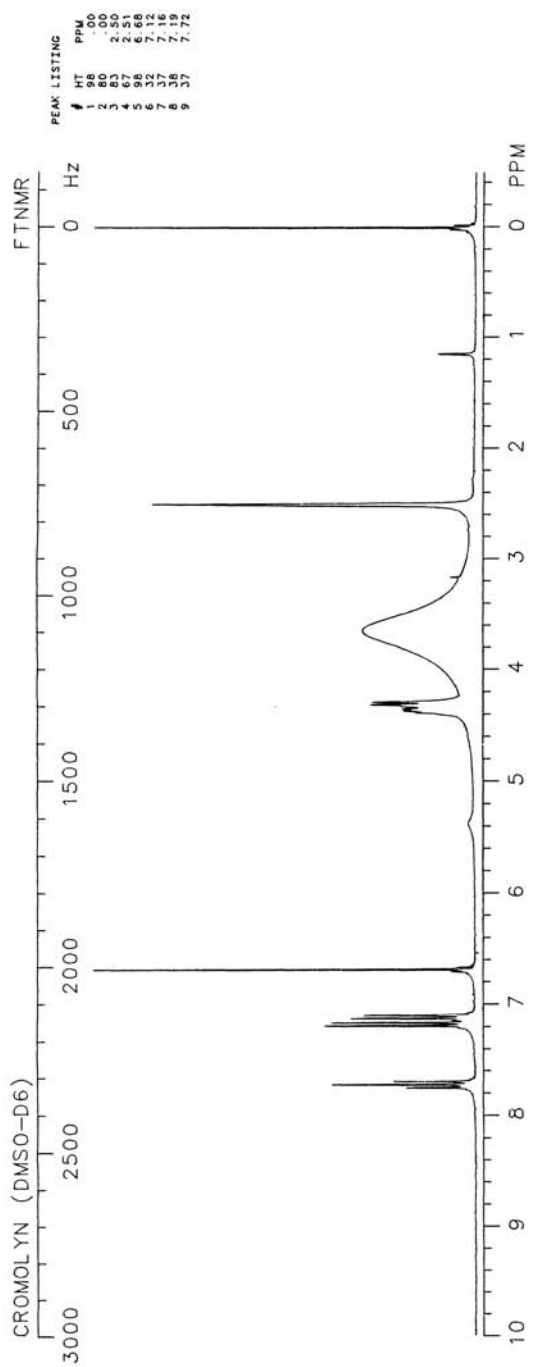
$C_{23}H_{16}O_{11}$

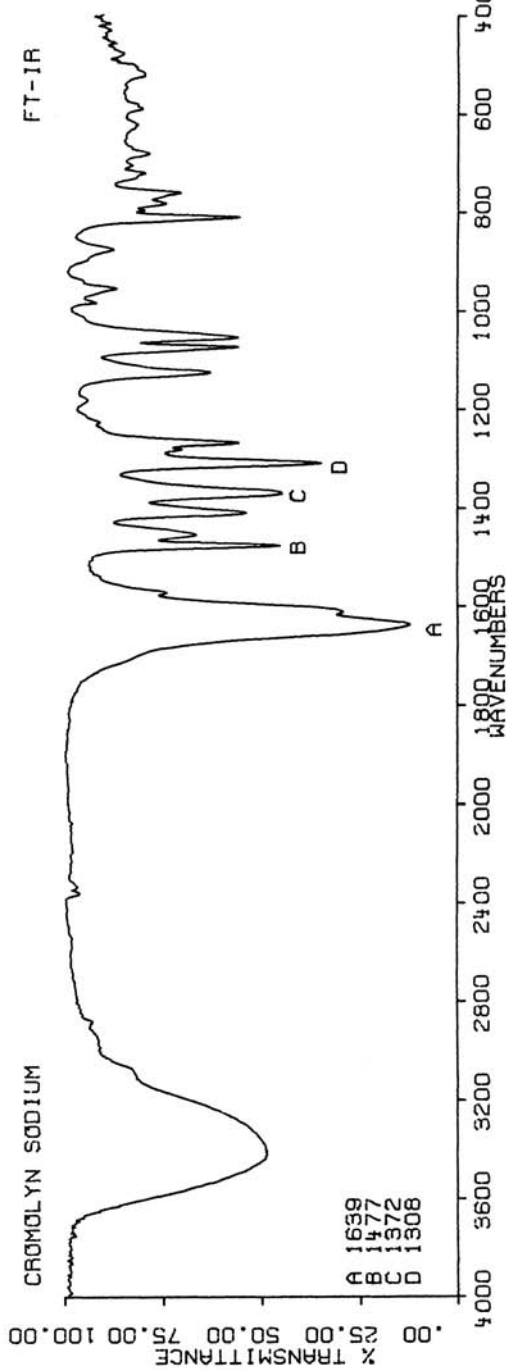
Molecular weight: 468.38 (468.07)
Synonyms: 5,5'-[(2-Hydroxy-1,3-propanediyl)bis-(oxy)]bis[4-oxo-4H-1-benzopyran-2-carboxylic acid; cromoglycate sodium
Trade names: Frenal, Intal, Lomudal, Lomusol, Nasalcrom, Opicrom, Rynacrom
Use: Bronchial asthma, anti-allergic
HPLC: Si-10; 20A:80B; 9.8
GC:







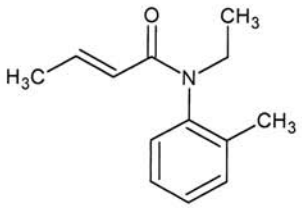

FTNMR
CROMOLYN (DMSO-D6)
PEAK LISTING
HT PPM
1 98 .00
2 80 .00
3 83 2.50
4 67 2.51
5 98 6.68
6 32 7.12
7 37 7.16
8 38 7.19
9 37 7.72
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

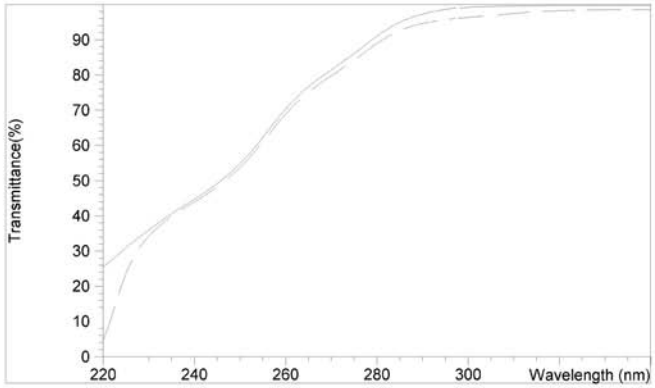

FT-IR
CROMOLYN SODIUM
A 1639
B 1477
C 1372
D 1308
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

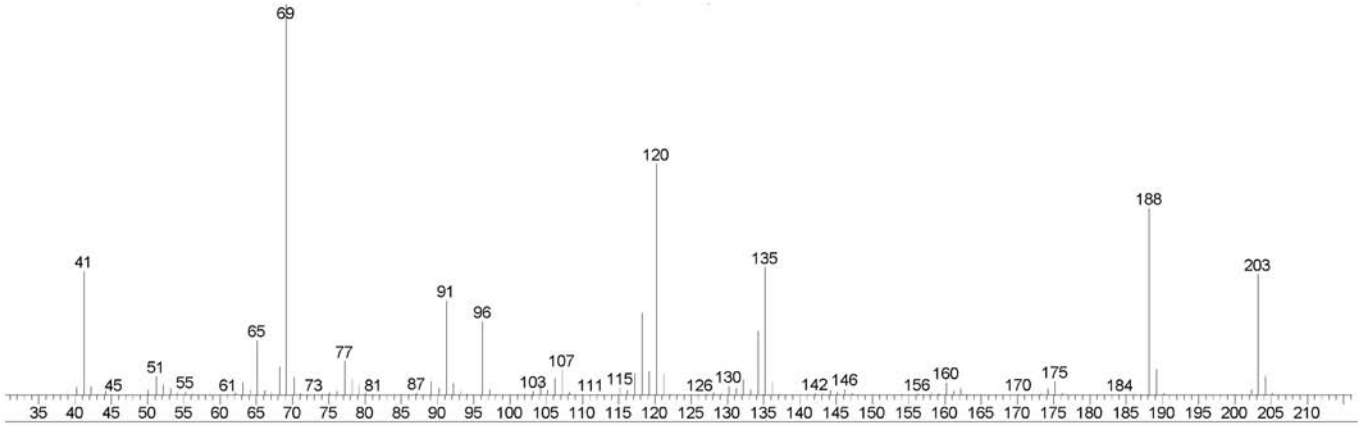
CROTAMITON

$C_{13}H_{17}NO$

Molecular Weight: 203.28 (203.13)
Synonyms: *N*-ethyl-*o*-crotonotoluidide: crotonyl-*N*-ethyl-*o*-toluidine
Trade names: Crotamitex, Eurax, Euraxil
Use: Scabicide

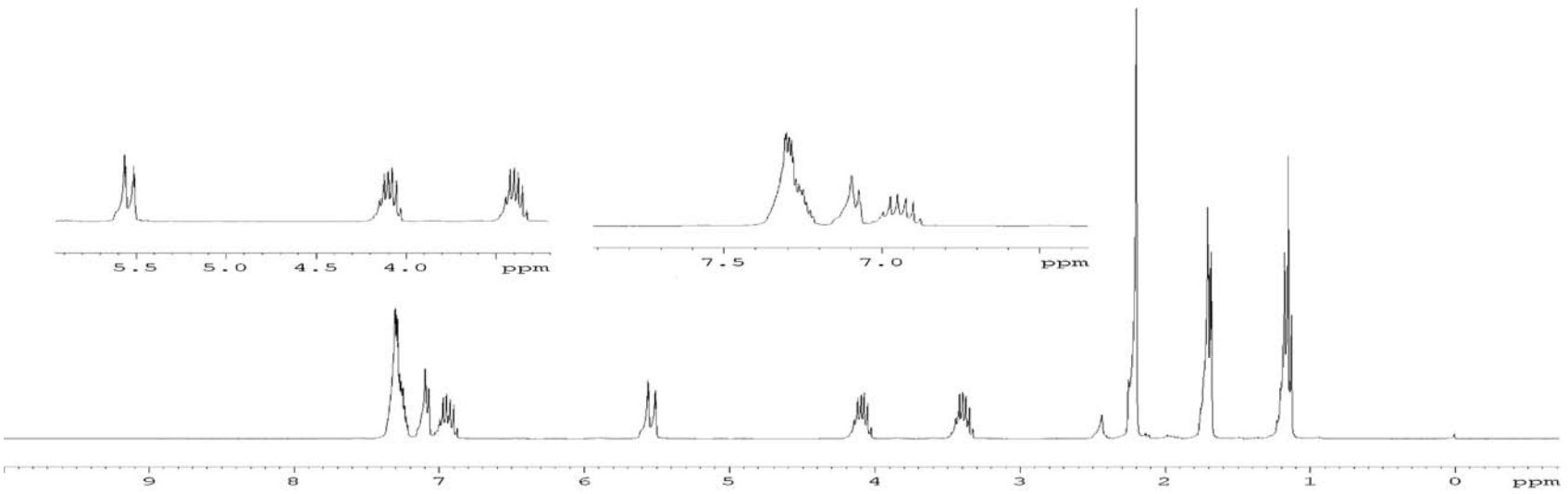




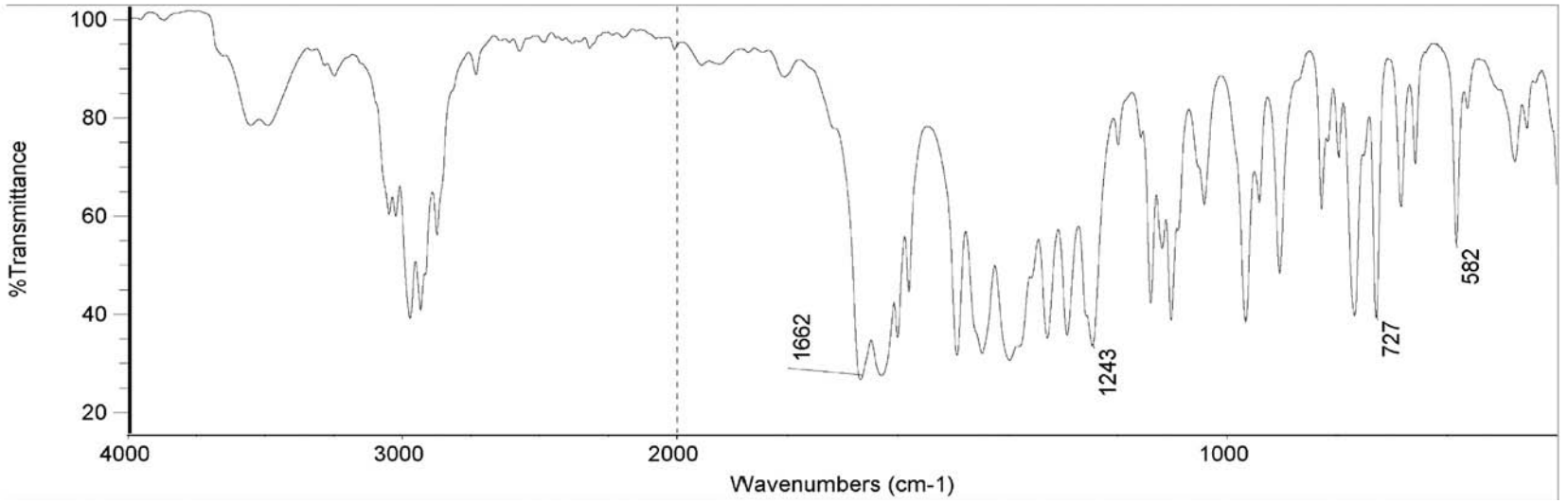


CROTAMITON

FTNMR



FT-IR



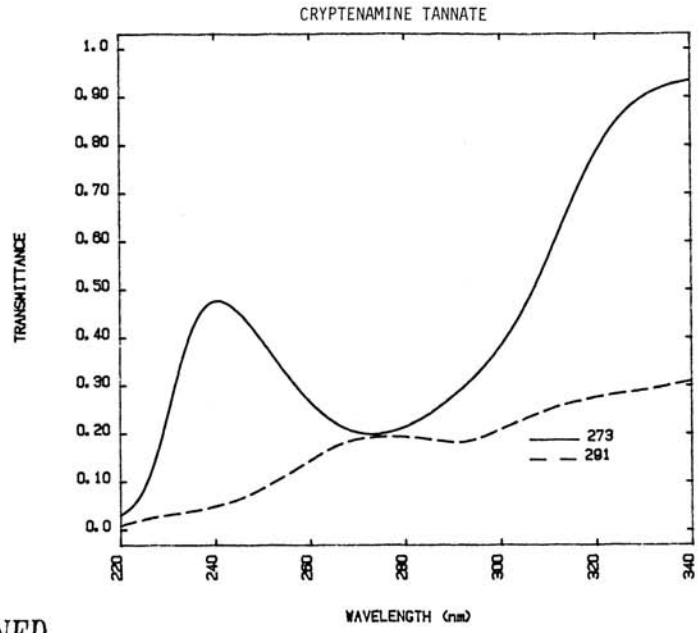
CRYPTENAMINE TANNATES

Molecular weight:
Synonyms: Unitensen tannate

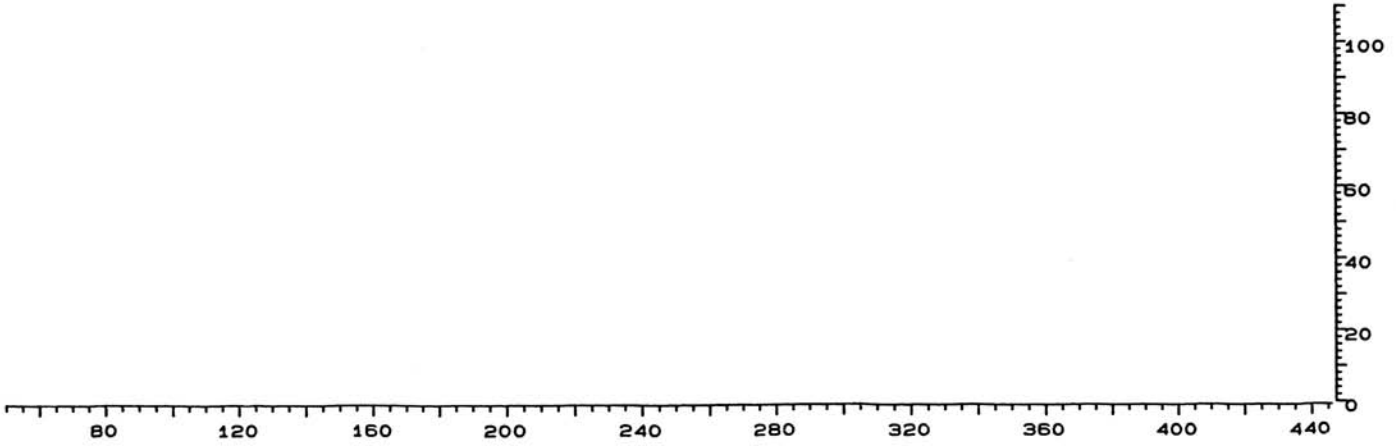
Trade names: Diutensen, Unitensen

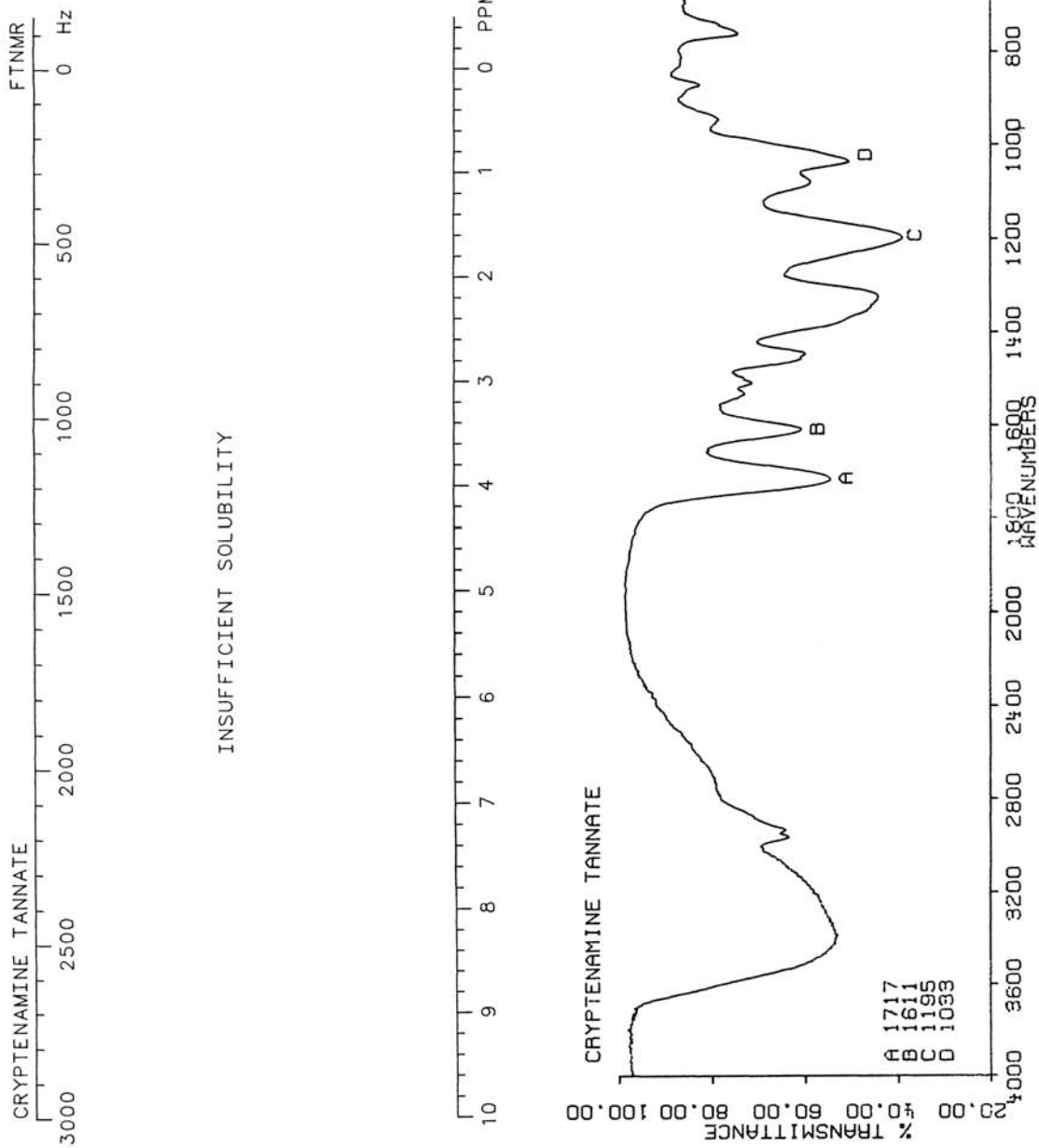
Use: Antihypertensive
HPLC:
GC:

NO STRUCTURE AVAILABLE



NO USEFUL MASS SPECTRUM WAS OBTAINED



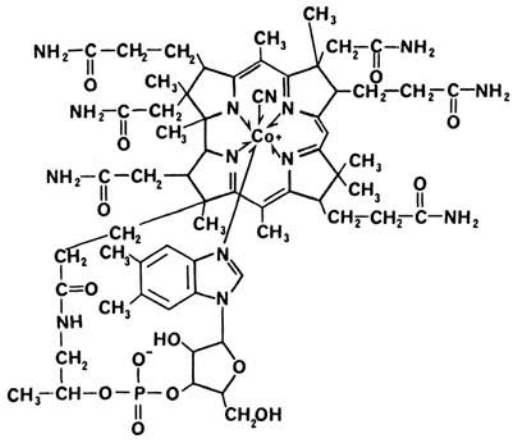

CRYPTENAMINE TANNATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
CRYPTENAMINE TANNATE
FT-IR
A 1717
B 1611
C 1195
D 1033
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

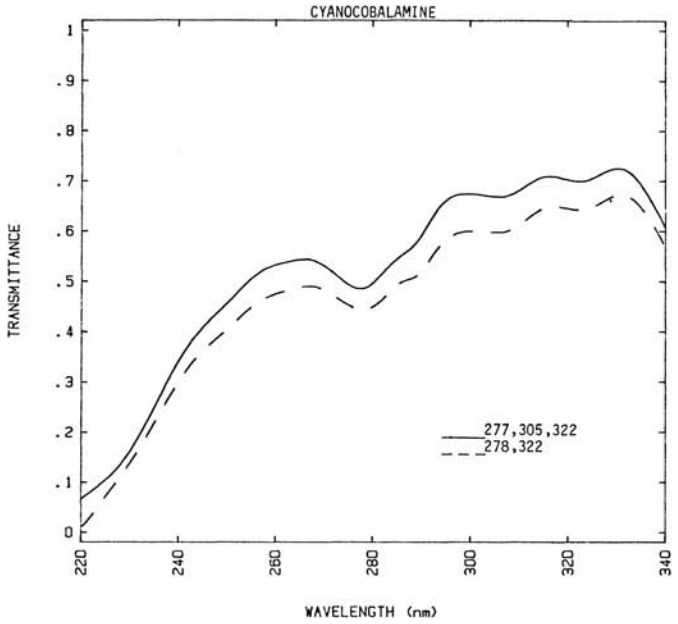
CYANOCOBALAMINE

$C_{63}H_{88}CoN_{14}O_{14}P$

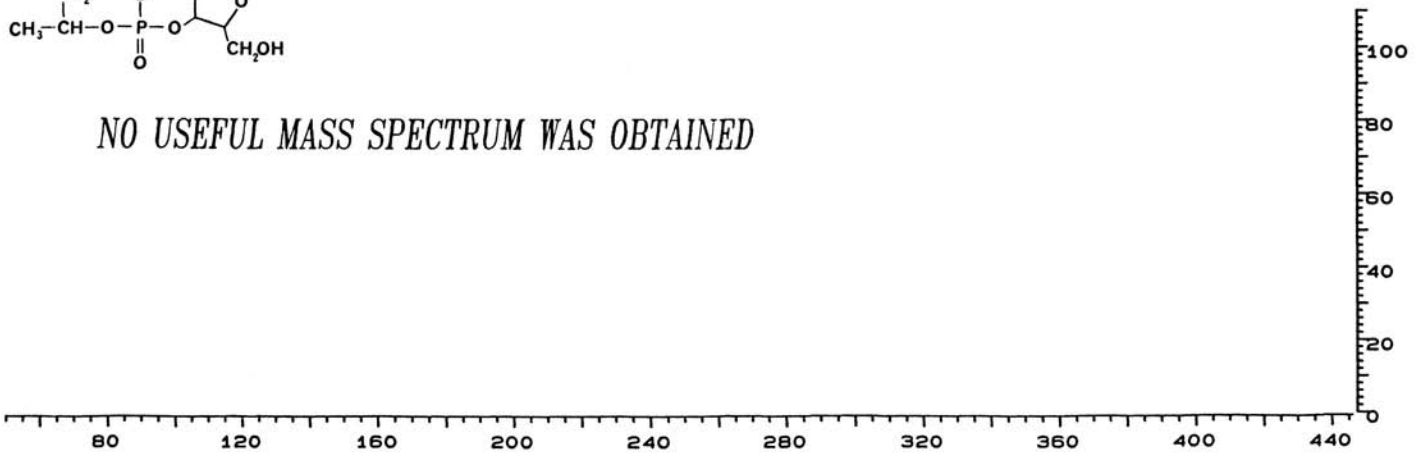
Molecular weight: 1355.42 (1354.57)
Synonyms: 5,6-Dimethylbenzimidazolyl cyanocobamide; vitamin B_{12}; cobomin; cycobemin
Trade names: B-C-Bid, Chromagen, Cyanocobalamin, Eldertonic, I.L.X. B_{12}, May-Vita, Niferex, Nu-Iron-V, Tia-Doce, Trinsicon, Vicon-Forte

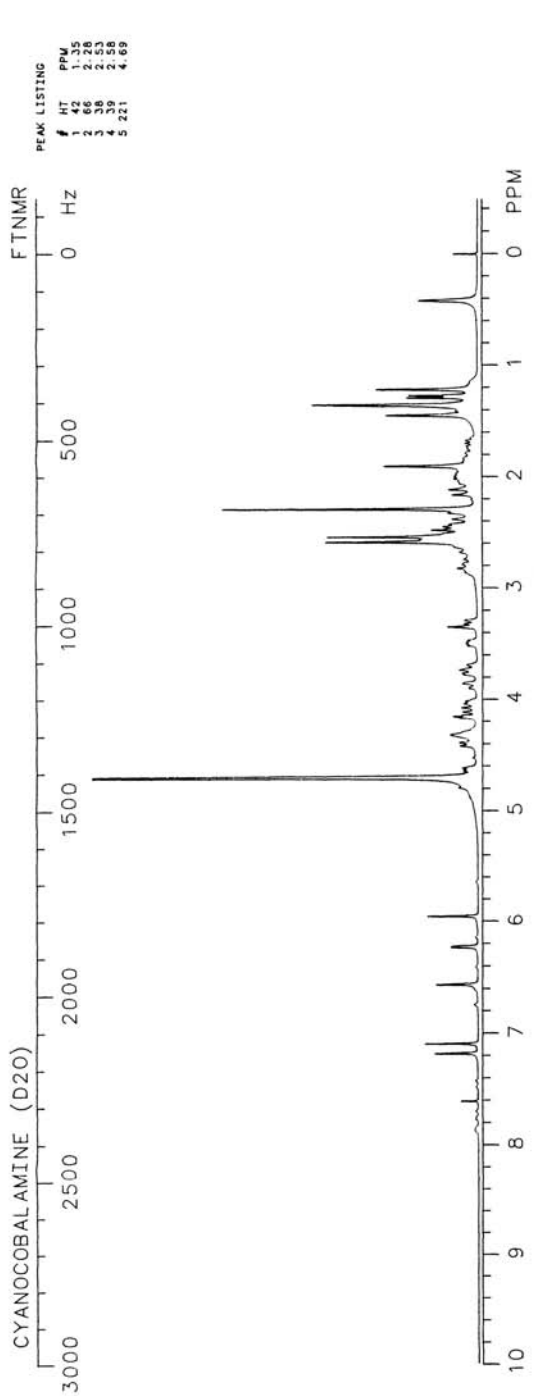
Use: Vitamin
HPLC:
GC:

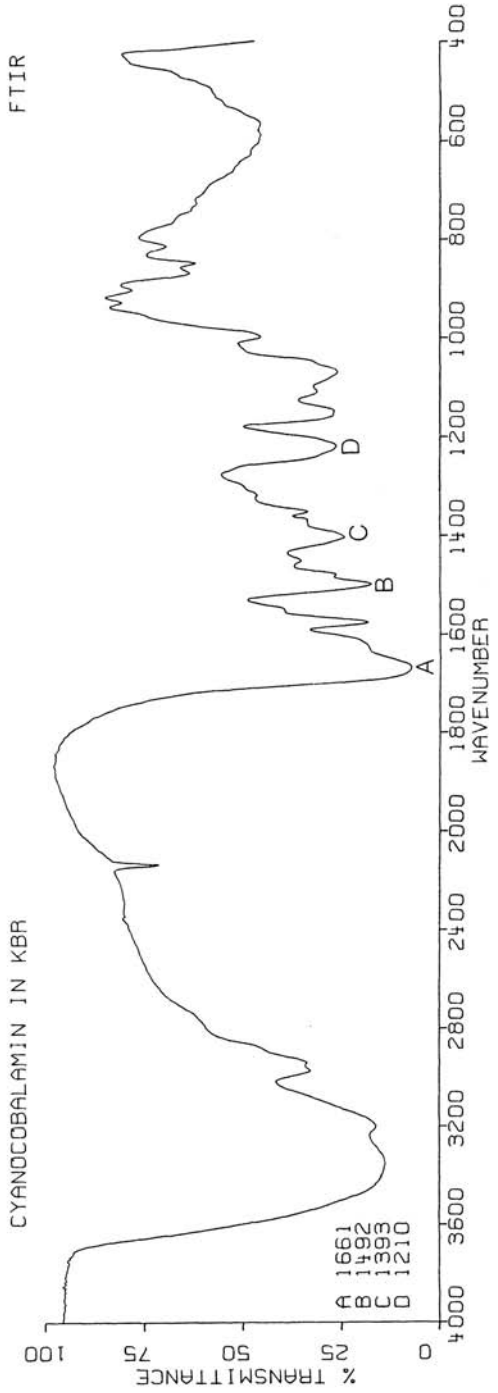




NO USEFUL MASS SPECTRUM WAS OBTAINED




CYANOCOBALAMINE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 42 1.35
2 66 2.28
3 38 2.53
4 39 2.58
5 221 4.69
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

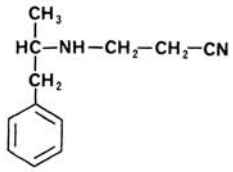

CYANOCOBALAMIN IN KBR
FTIR
A 1661
B 1492
C 1393
D 1210
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

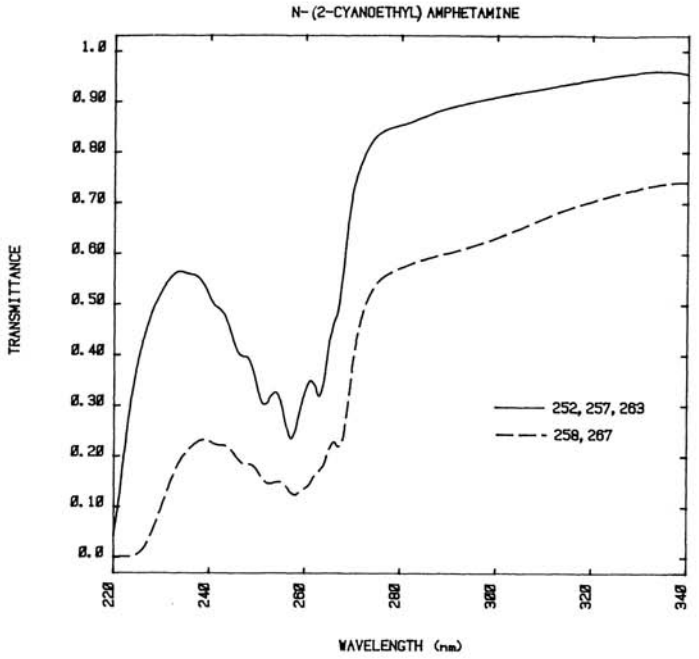
N-(2-CYANOETHYL)AMPHETAMINE

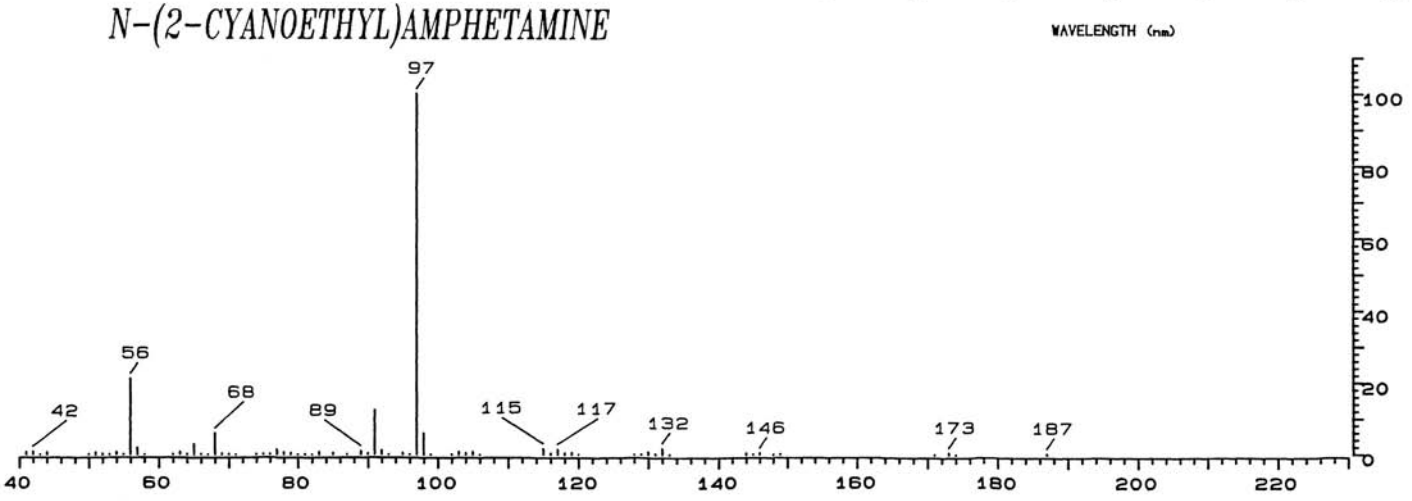
$C_{12}H_{16}N_2$

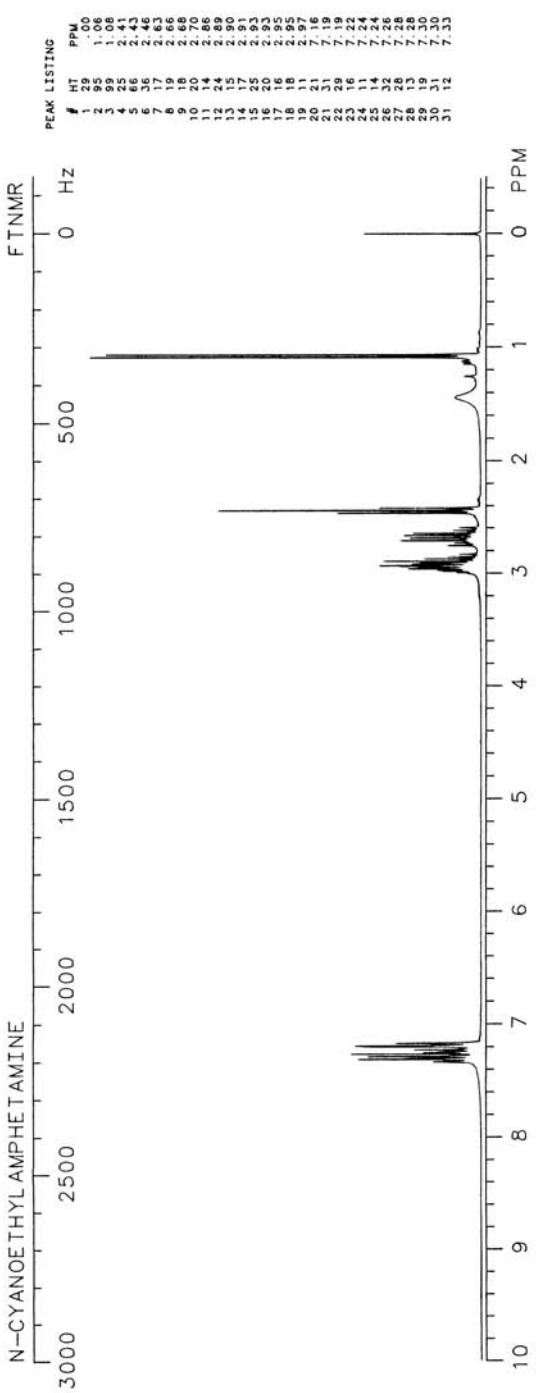
Molecular weight: 188.27 (188.13)
Synonyms: N-(2-Cyanoethyl)-α-methylbenzeneethanamine;
cyanoethylamphetamine
Trade names:

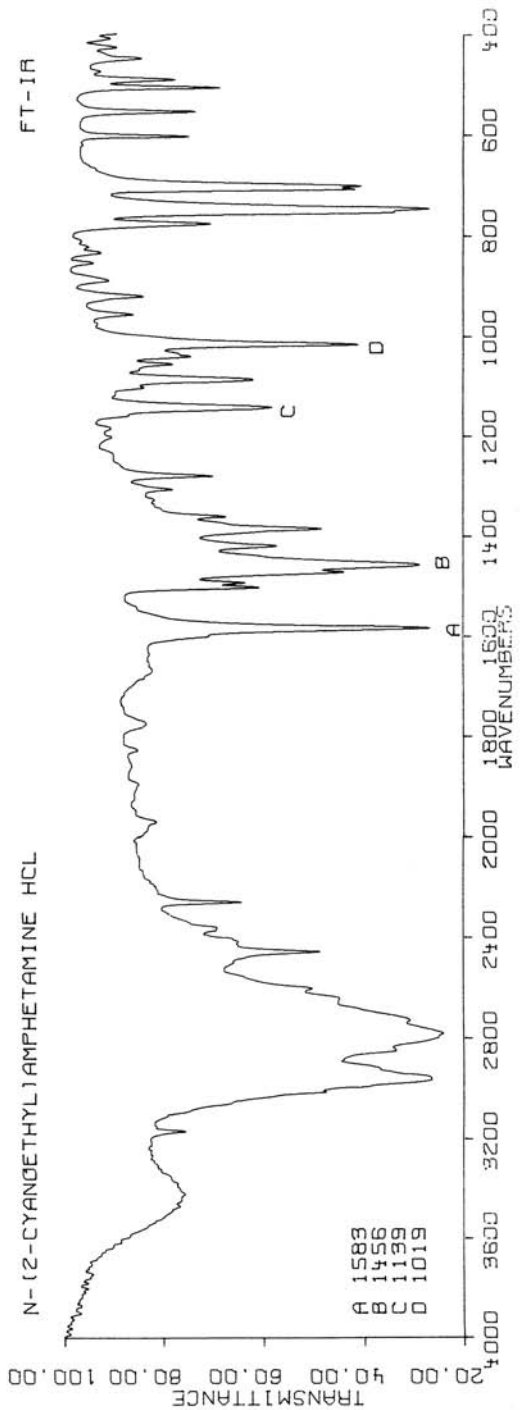
Use: Stimulant
HPLC: Si-10; 2A:98B; 4.0
GC: 1619; 200°C








N-CYANOETHYLAMPHETAMINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 29 .00
2 95 1.06
3 99 1.08
4 25 2.41
5 66 2.43
6 36 2.46
7 17 2.63
8 19 2.66
9 18 2.68
10 20 2.70
11 14 2.86
12 24 2.89
13 15 2.90
14 17 2.91
15 25 2.93
16 20 2.93
17 16 2.95
18 18 2.95
19 11 2.97
20 21 7.16
21 31 7.19
22 29 7.19
23 16 7.22
24 11 7.24
25 14 7.24
26 32 7.26
27 28 7.28
28 13 7.28
29 19 7.30
30 31 7.30
31 12 7.33

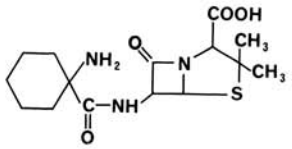

FT-IR
N-(2-CYANOETHYL)AMPHETAMINE HCL
A 1583
B 1456
C 1139
D 1019
A
B
C
D
TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

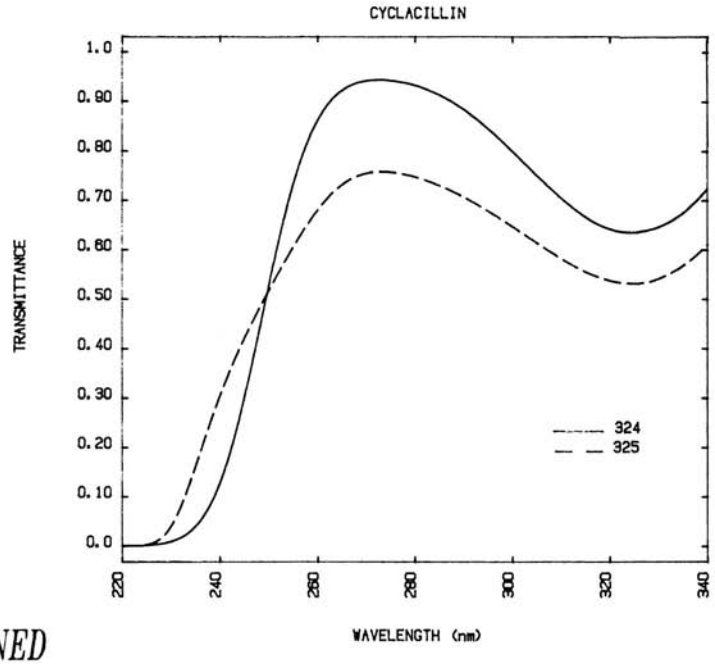
CYCLACILLIN

$C_{15}H_{23}N_3O_4S$

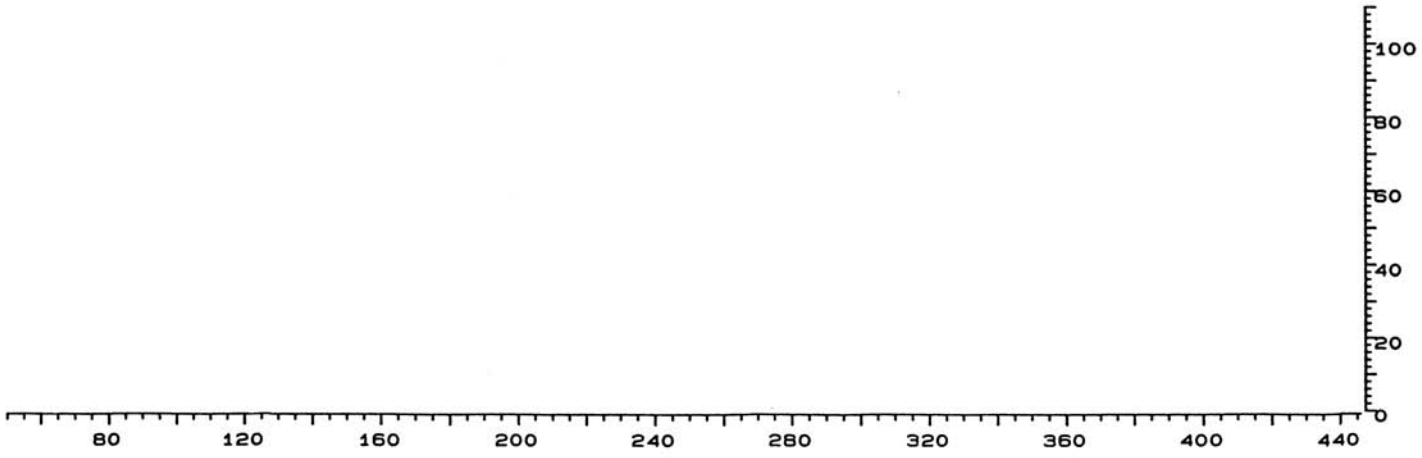
Molecular weight: 341.43 (341.14)
Synonyms: 6-(1-Aminocyclohexanecarboxamido)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid; ciclacillin
Trade names: Cyclapen-W

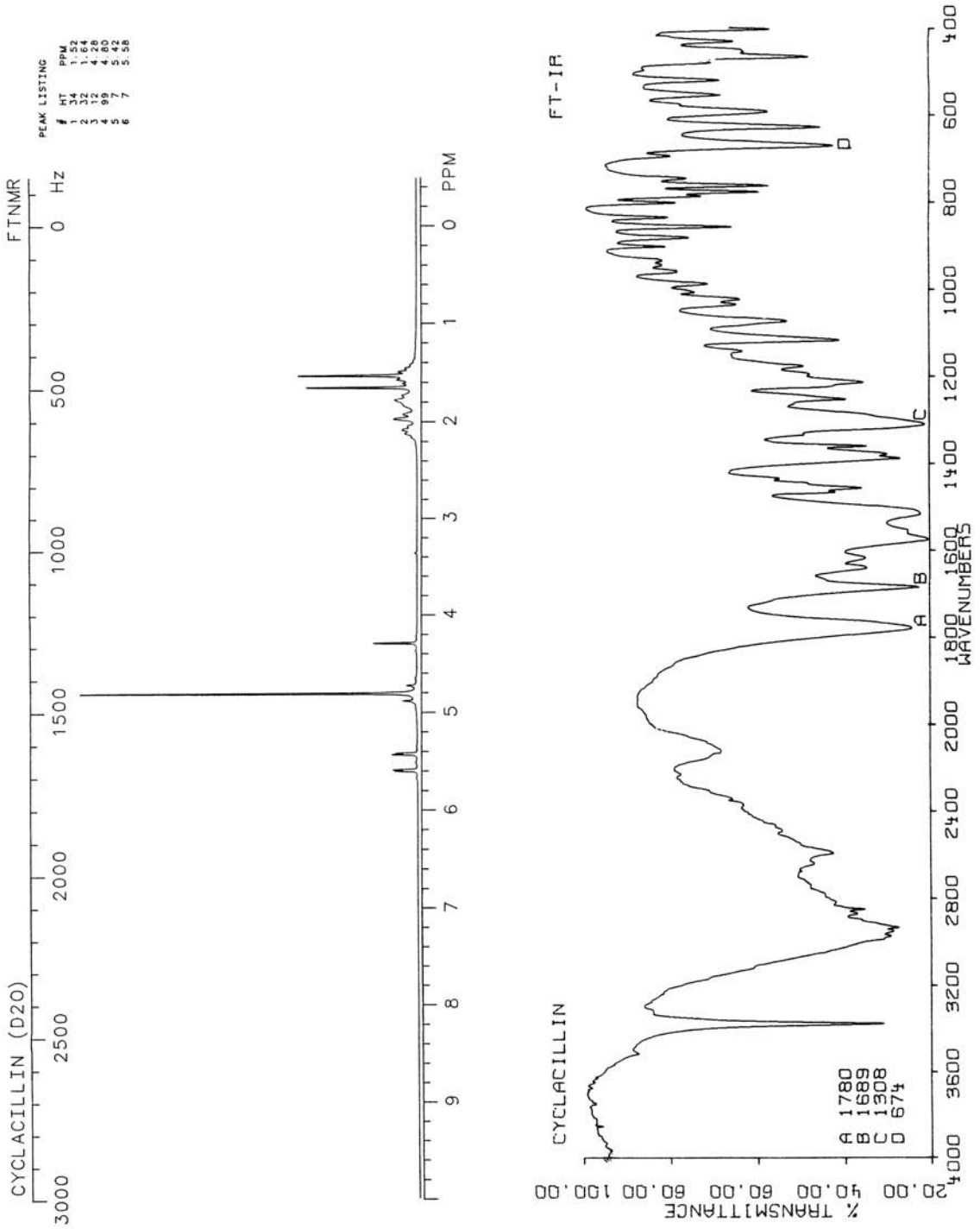
Use: Antibacterial
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
CYCLACILLIN (D2O)
PEAK LISTING
HT PPM
1 34 1.52
2 32 1.64
3 12 4.28
4 89 4.80
5 7 5.42
6 7 5.58
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
CYCLACILLIN
A 1780
B 1689
C 1308
D 674
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

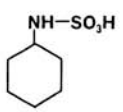
CYCLAMIC ACID

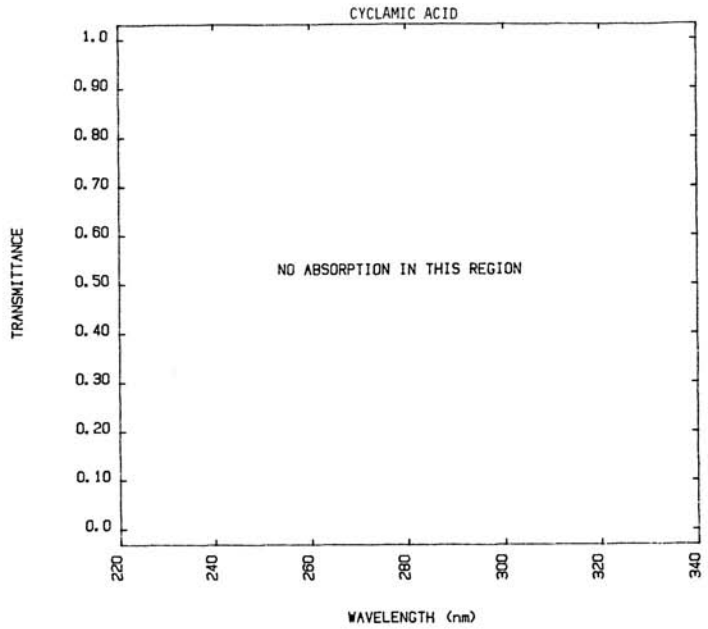
$C_6H_{13}NO_3S$

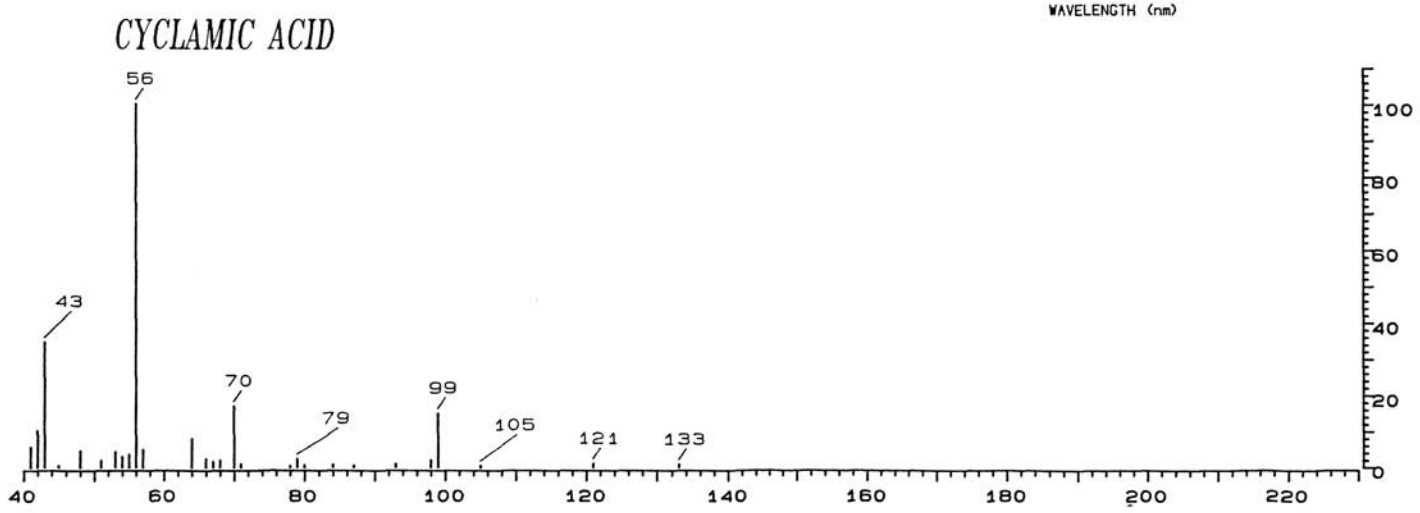
Molecular weight: 179.24 (179.06)
Synonyms: Cyclohexylsulfamic acid; hexamic acid

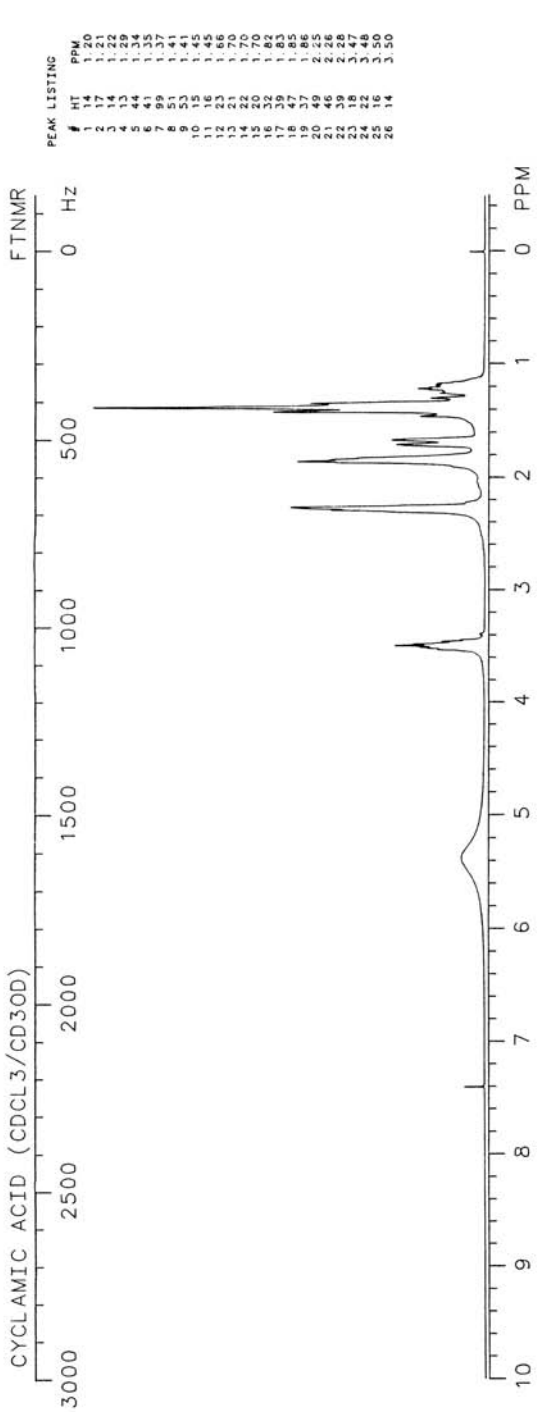
Trade names: Assugrin, Cyclamate sodium, Sucrosa, Sucaryl sodium

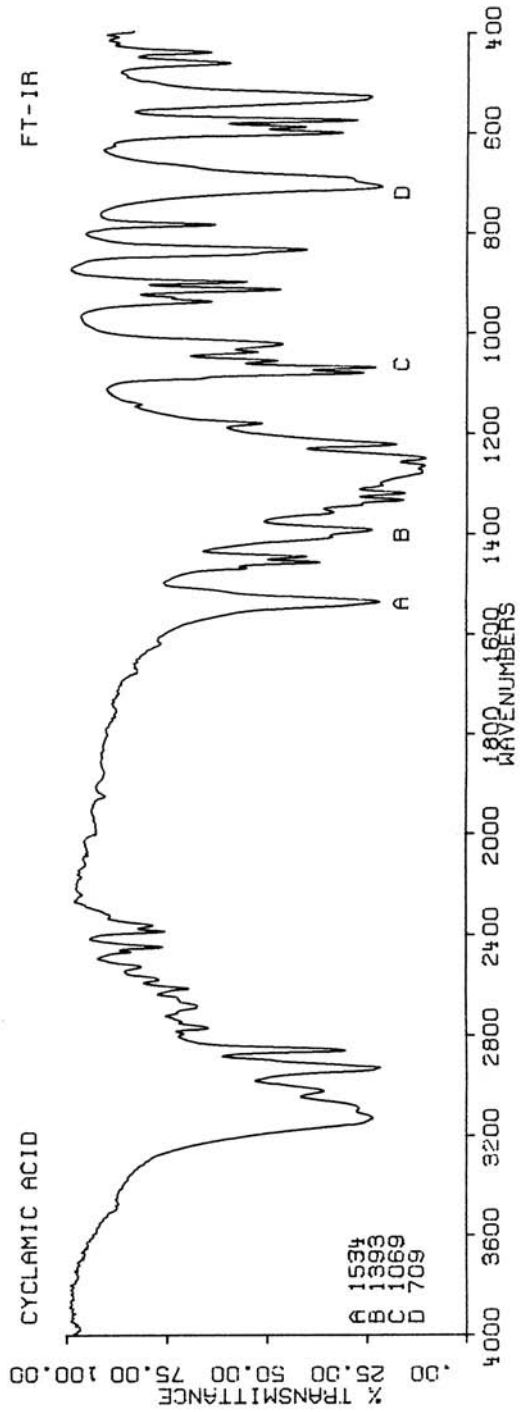
Use: Non-nutritive sweetener
HPLC:
GC: 852; 80°C








CYCLAMIC ACID (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 14 1.20
2 17 1.21
3 14 1.22
4 13 1.29
5 44 1.34
6 41 1.35
7 99 1.37
8 51 1.41
9 53 1.41
10 13 1.45
11 16 1.45
12 23 1.66
13 21 1.70
14 22 1.70
15 20 1.70
16 32 1.82
17 39 1.83
18 47 1.85
19 37 1.86
20 49 2.25
21 46 2.26
22 39 2.28
23 18 3.47
24 22 3.46
25 16 3.50
26 14 3.50

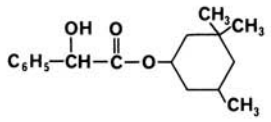

FT-IR
CYCLAMIC ACID
A 1534
B 1393
C 1069
D 709
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

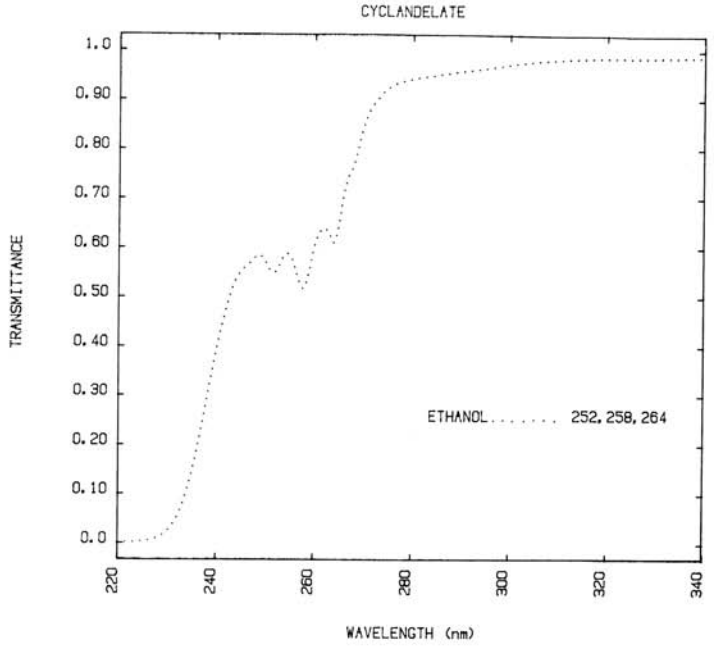
CYCLANDELATE

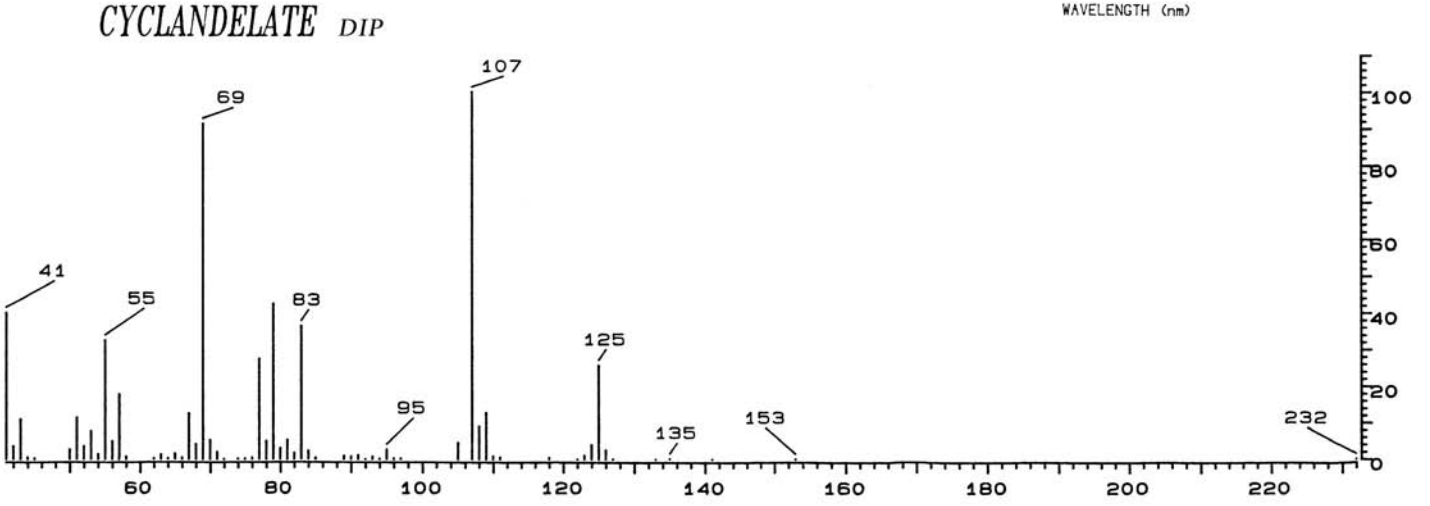
$C_{17}H_{24}O_3$

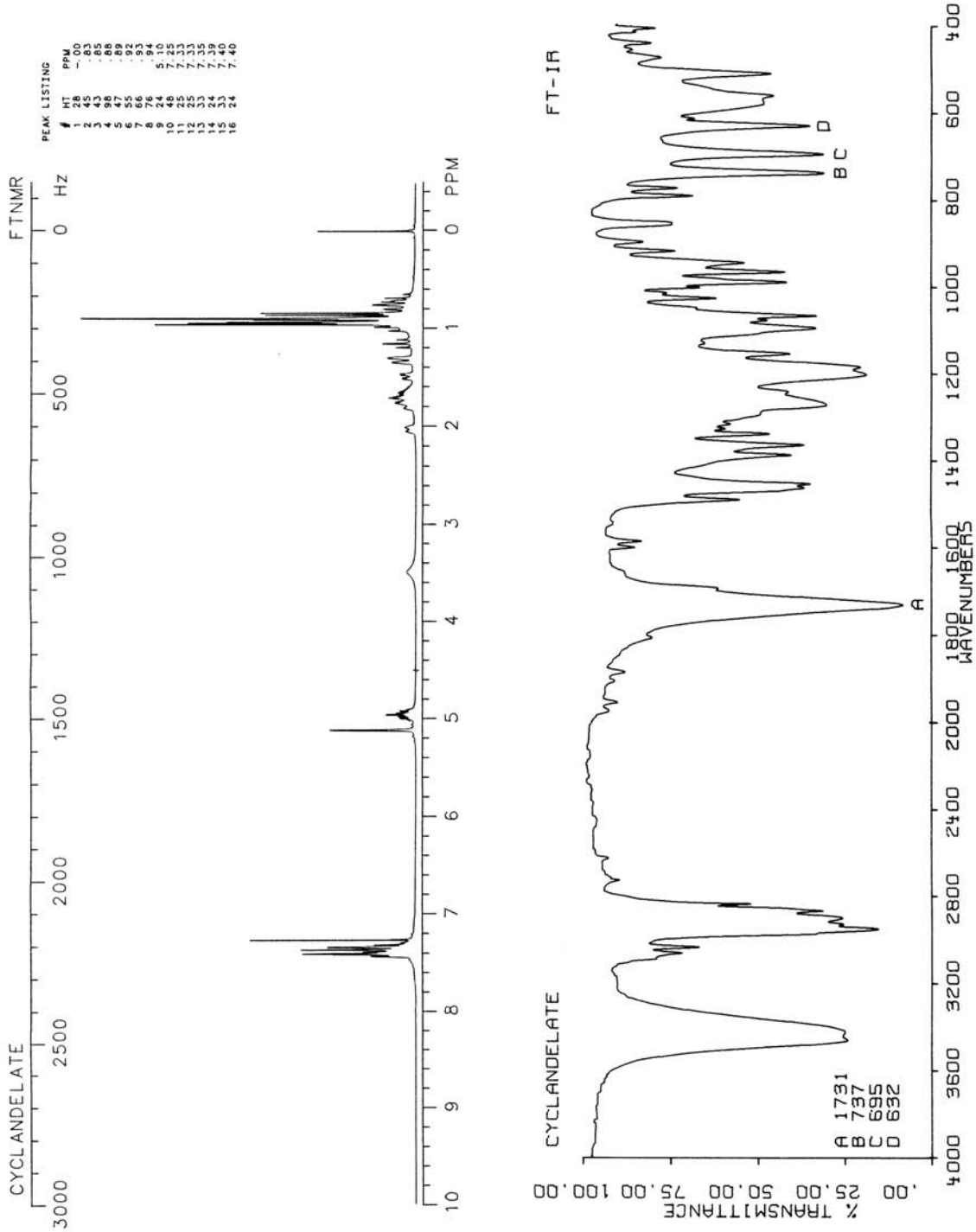
Molecular weight: 276.38 (276.17)
Synonyms: α -Hydroxybenzeneacetic acid 3,3,5-trimethylcyclohexyl ester
Trade names: Cyclandelate, Cyclospasmol

Use: Antispasmodic
HPLC: Si-10; 5A:95B; 6.0
GC: 1924; 200°C







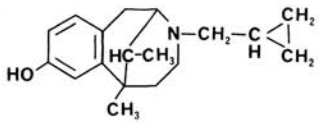

CYCLANDELATE
FTNMR
PEAK LISTING
HT PPM
1 28 -.00
2 45 .83
3 43 .85
4 49 .88
5 47 .89
6 55 .92
7 66 .93
8 76 .94
9 24 5.10
10 48 7.25
11 25 7.33
12 25 7.35
13 33 7.35
14 24 7.39
15 33 7.40
16 24 7.40
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CYCLANDELATE
FT-IR
A 1731
B 737
C 695
D 632
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B C
D

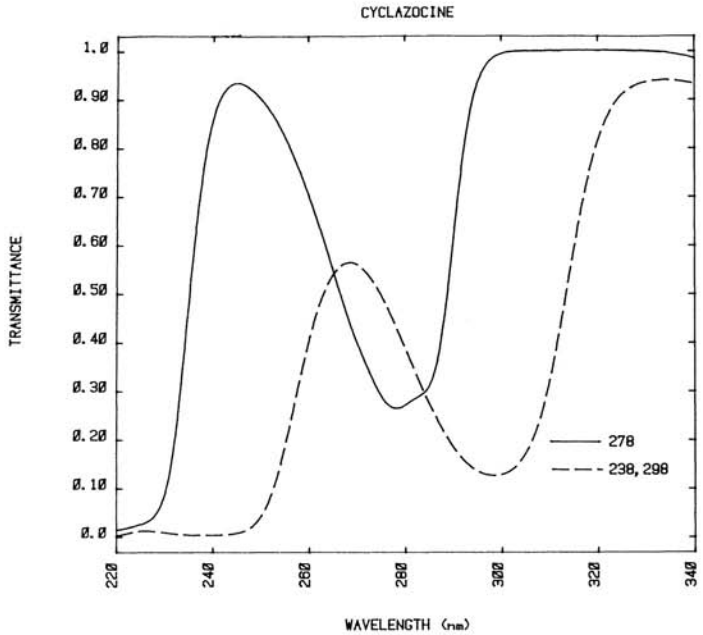
CYCLAZOCINE

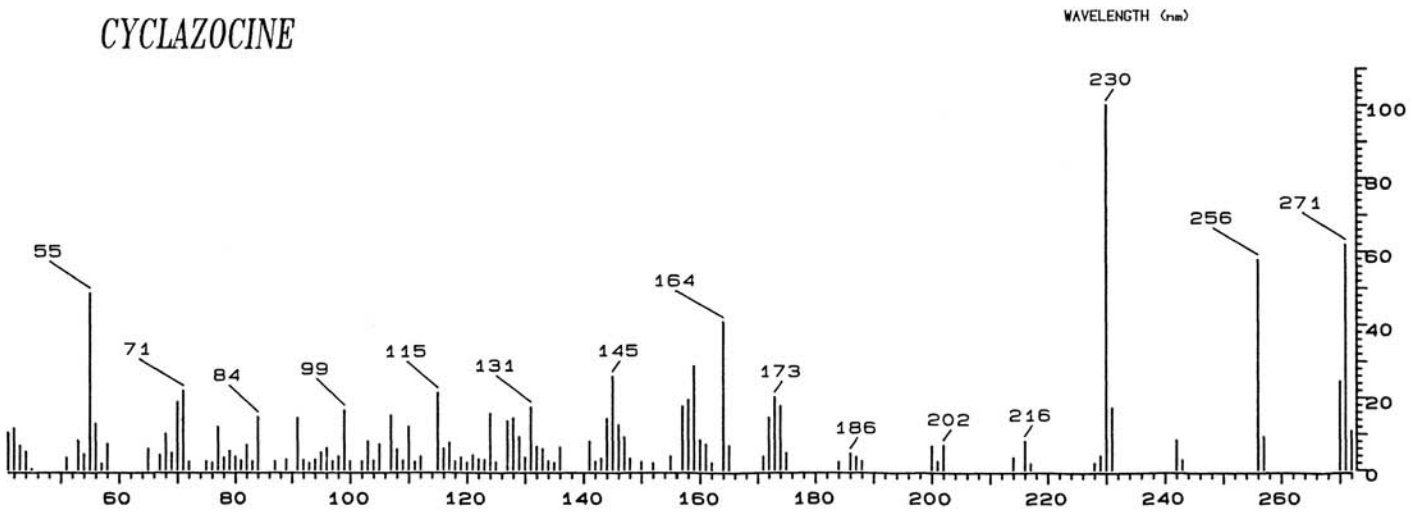
$C_{18}H_{25}NO$

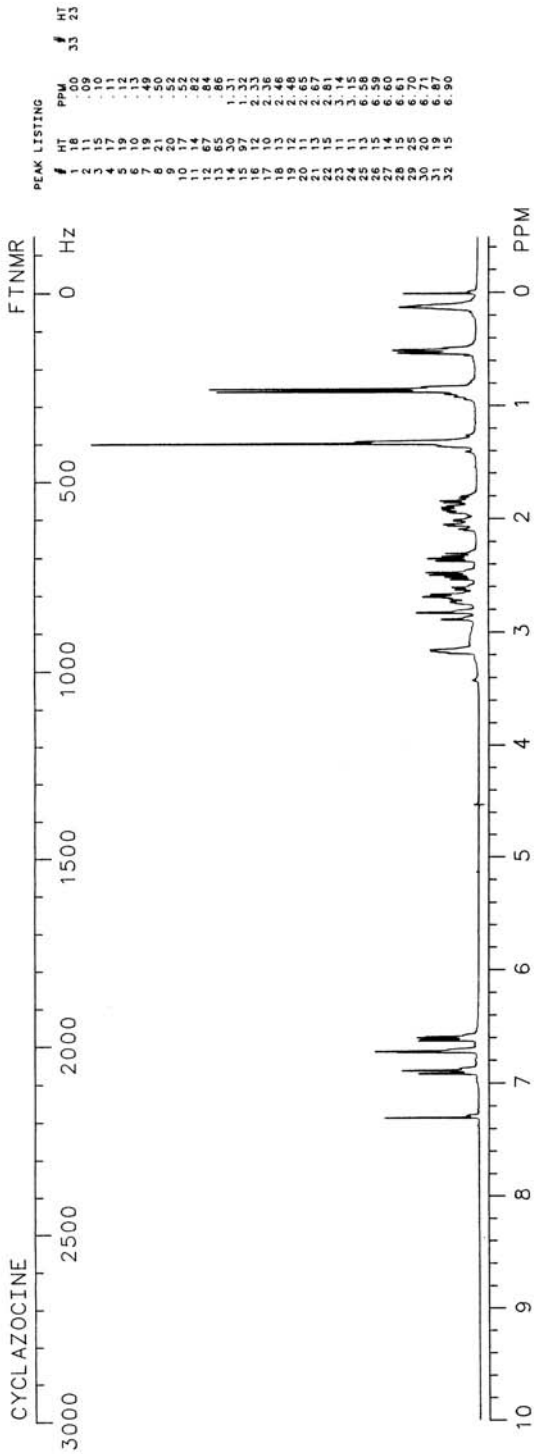
Molecular weight: 271.40 (271.19)
Synonyms: 3-(Cyclopropylmethyl)-1,2,3,4,5,6-hexahydro-6,11-dimethyl-2,6-methano-3-benzazocin-8-ol
Trade names:

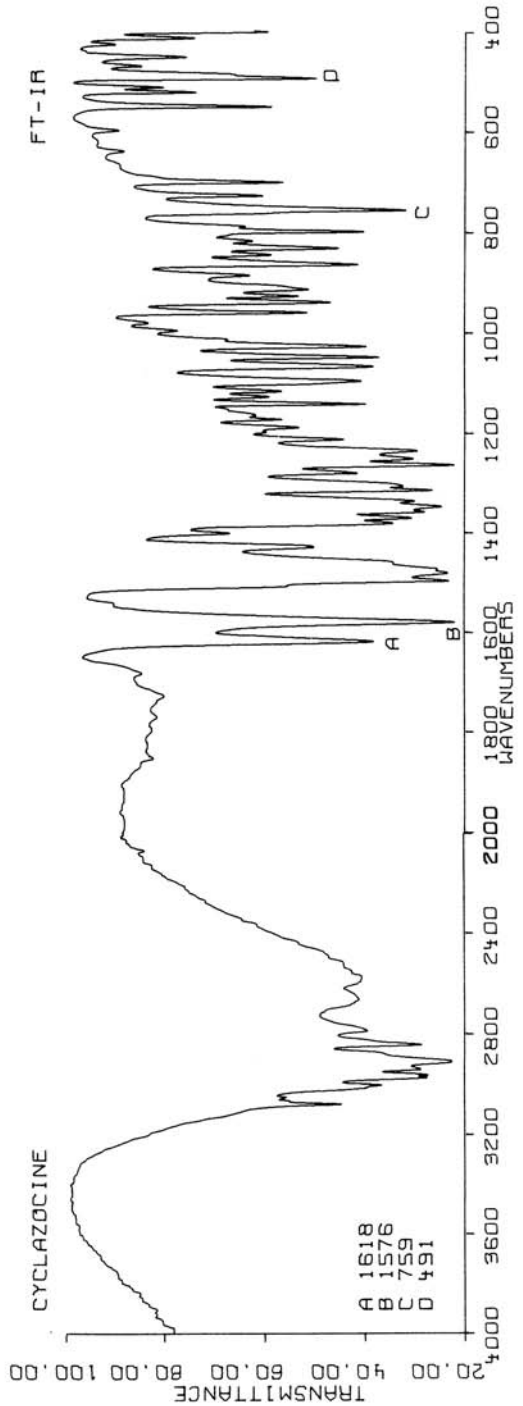
Use: Narcotic analgesic
HPLC: Si-10; 5A:95B; 8.0
GC: 2294; 250°C







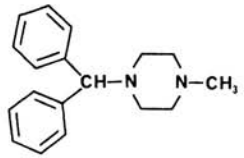

CYCLAZOCINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM # HT
1 18 .00 33 23
2 11 .09
3 15 .10
4 17 .11
5 19 .12
6 10 .13
7 19 .49
8 21 .50
9 20 .52
10 17 .52
11 14 .82
12 67 .84
13 65 .86
14 30 1.31
15 97 1.32
16 12 2.33
17 10 2.36
18 13 2.46
19 11 2.48
20 11 2.65
21 13 2.67
22 15 2.81
23 11 3.14
24 11 3.15
25 13 6.58
26 14 6.59
27 15 6.60
28 15 6.61
29 25 6.70
30 20 6.71
31 19 6.87
32 15 6.90
10
9
8
7
6
5
4
3
2
1
0 PPM

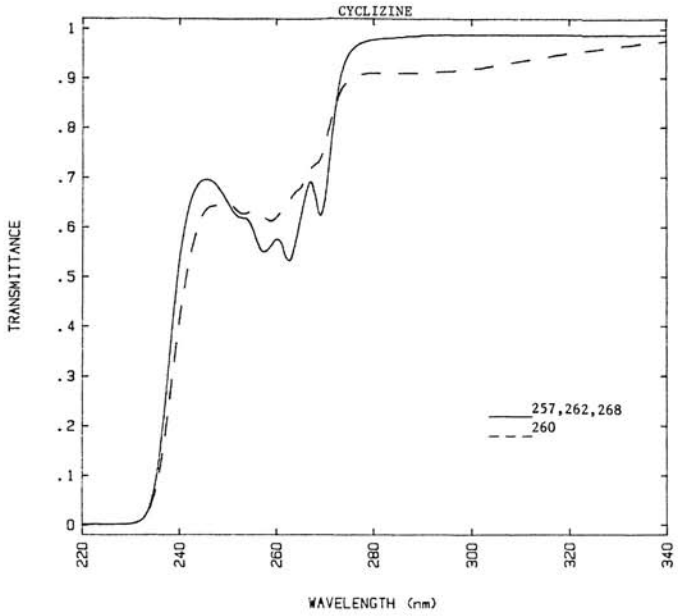

FT-IR
CYCLAZOCINE
A 1618
B 1576
C 759
D 491
A
B
C
D
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
20.00
40.00
60.00
80.00
100.00
TRANSMITTANCE

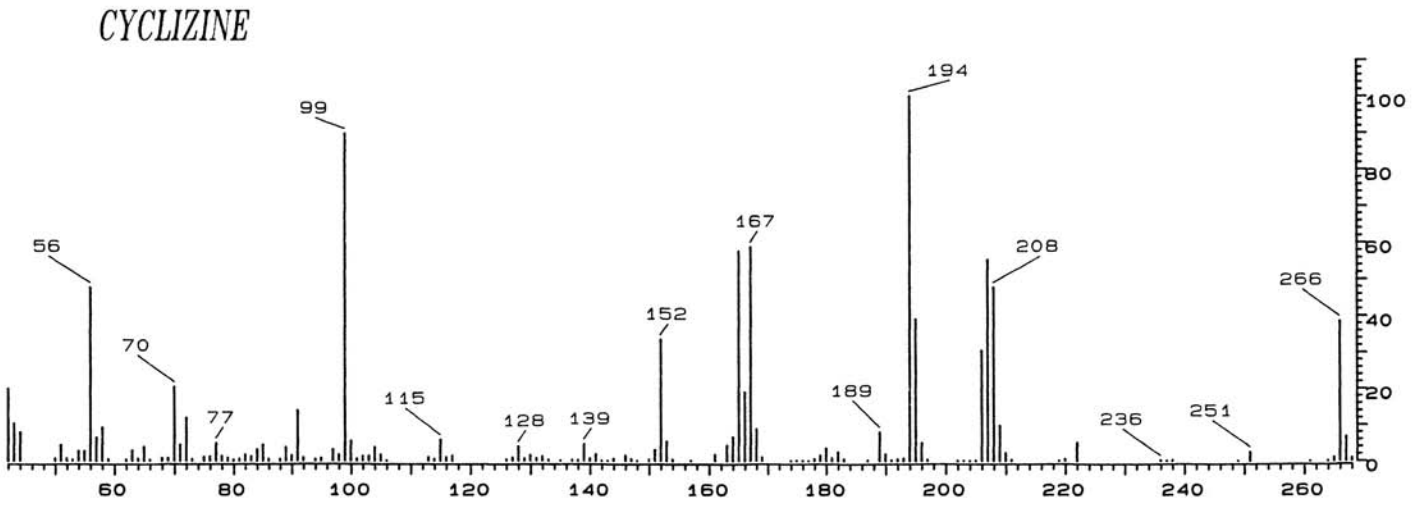
CYCLIZINE

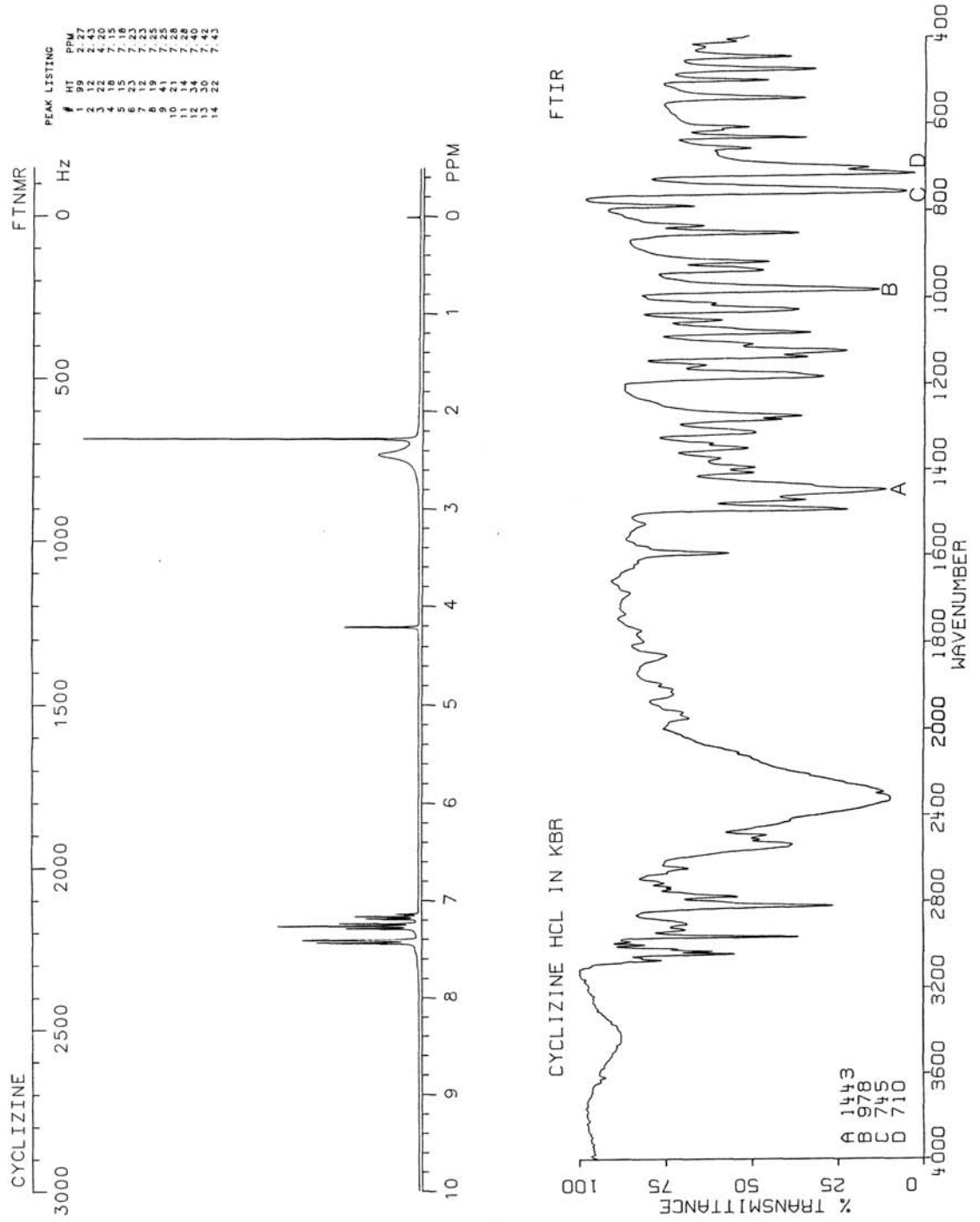
$C_{18}H_{22}N_2$

Molecular weight: 266.37 (266.18)
Synonyms: 1-Diphenylmethyl-4-methylpiperazine; N-benzhydryl-N'-methylpiperazine; cyclizinium
Trade names: Diconal, Marezine, Marzine, Migril, Nautazine, Valoid, Wellconal
Use: Antinauseant
HPLC: Si-10; 5A:95B; 3.4
GC: 2090; 250°C







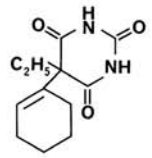

CYCLIZINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 99 2.27
2 12 2.43
3 22 4.20
4 18 7.15
5 15 7.18
6 23 7.23
7 12 7.23
8 19 7.25
9 41 7.28
10 21 7.28
11 14 7.40
12 34 7.42
13 20 7.43
14 22 7.45
CYCLIZINE HCL IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1443
B 978
C 745
D 710

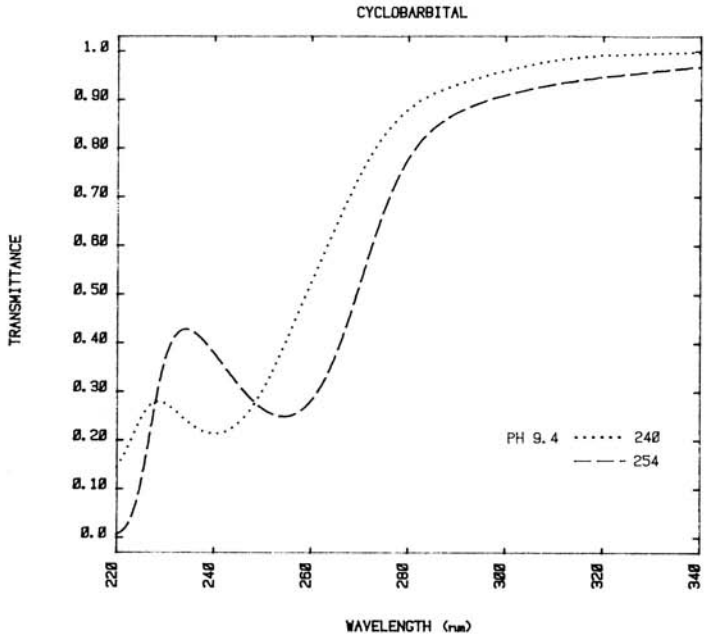
CYCLOBARBITAL

$C_{12}H_{16}N_2O_3$

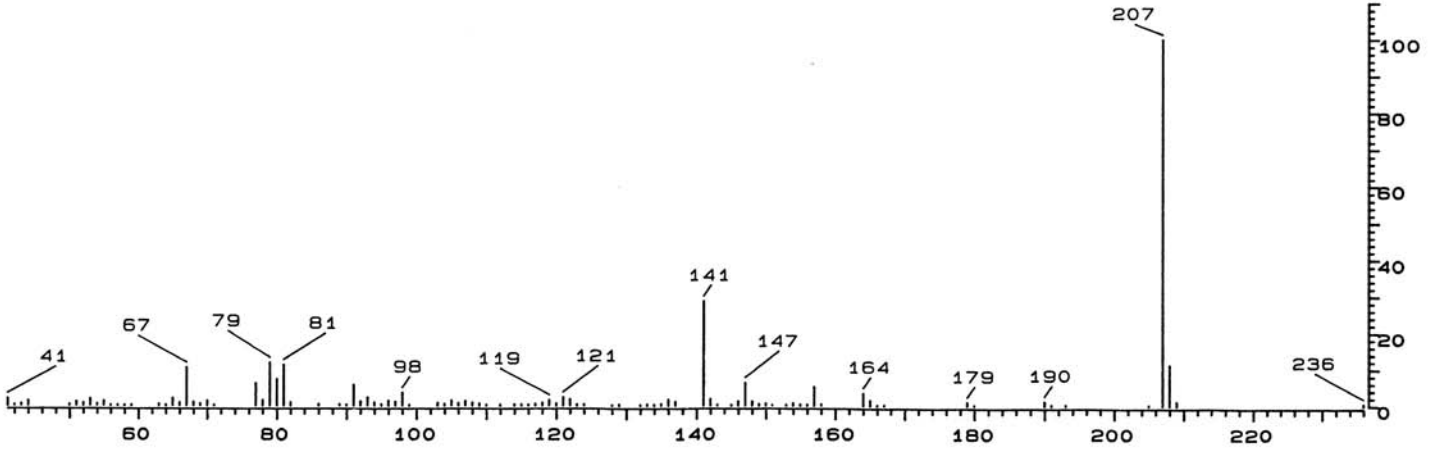
Molecular weight: 236.27 (236.12)
Synonyms: 5-(1-Cyclohexen-1-yl)-5-ethyl-2,4,6(1H,3H,5H)-pyrimidinetrione; 5-(1-cyclohexen-1-yl)-5-ethylbarbituric acid; cyclobarbitone
Trade names: Phanodorn, Sonaform

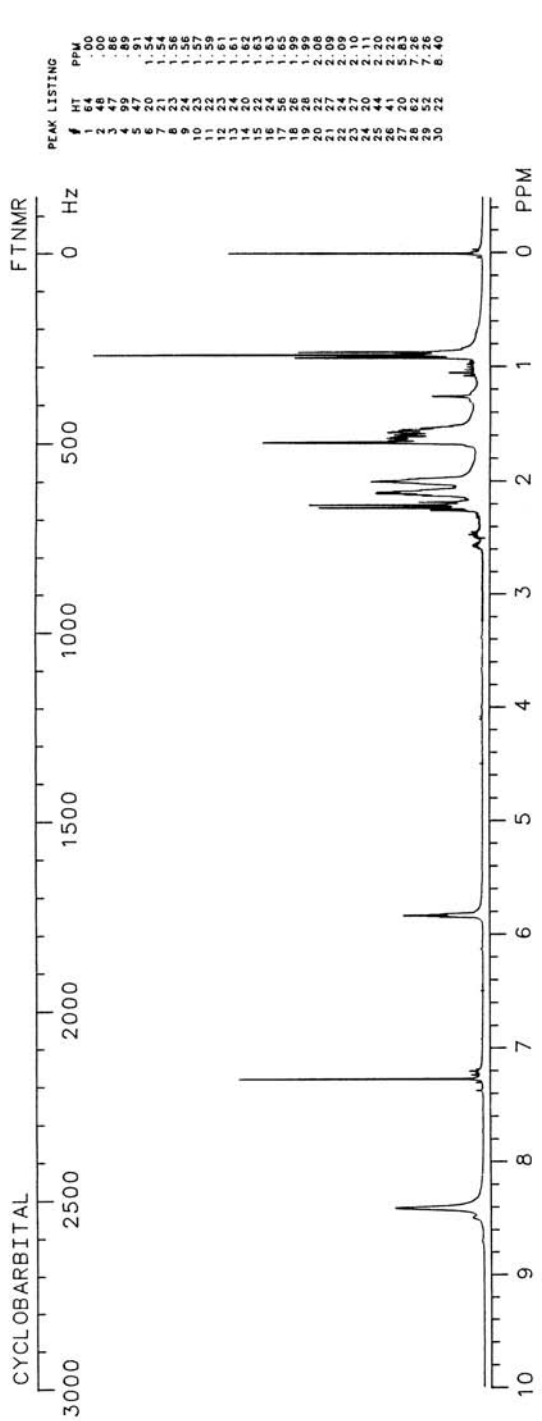
Use: Sedative, hypnotic
HPLC: Si-10; 2A:98B; 4.6
GC: 2023; 250°C

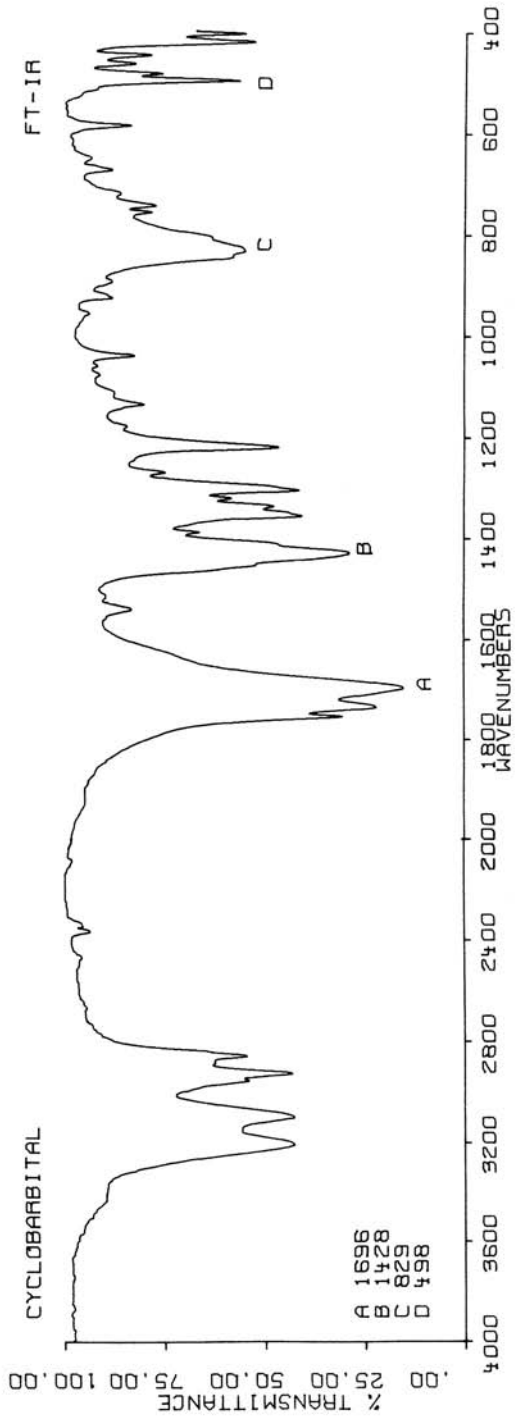




CYCLOBARBITAL




FTNMR
CYCLOBARBITAL
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 64 .00
2 48 .00
3 47 .86
4 99 .89
5 47 1.51
6 20 1.54
7 21 1.56
8 23 1.56
9 24 1.57
10 23 1.59
11 22 1.61
12 23 1.61
13 24 1.62
14 20 1.63
15 22 1.63
16 24 1.63
17 56 1.65
18 26 1.99
19 28 2.08
20 27 2.09
21 27 2.09
22 24 2.10
23 27 2.11
24 20 2.20
25 44 2.22
26 41 2.63
27 60 7.26
28 52 7.26
29 52 7.26
30 22 8.40

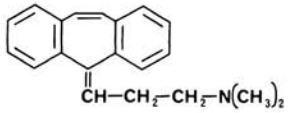

FT-IR
CYCLOBARBITAL
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1696
B 1428
C 829
D 498
A
B
C
D

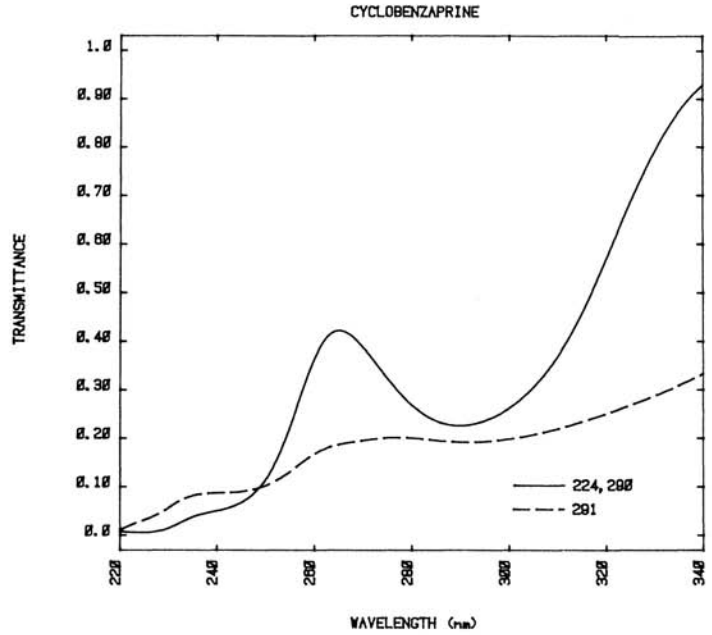
CYCLOBENZAPRINE

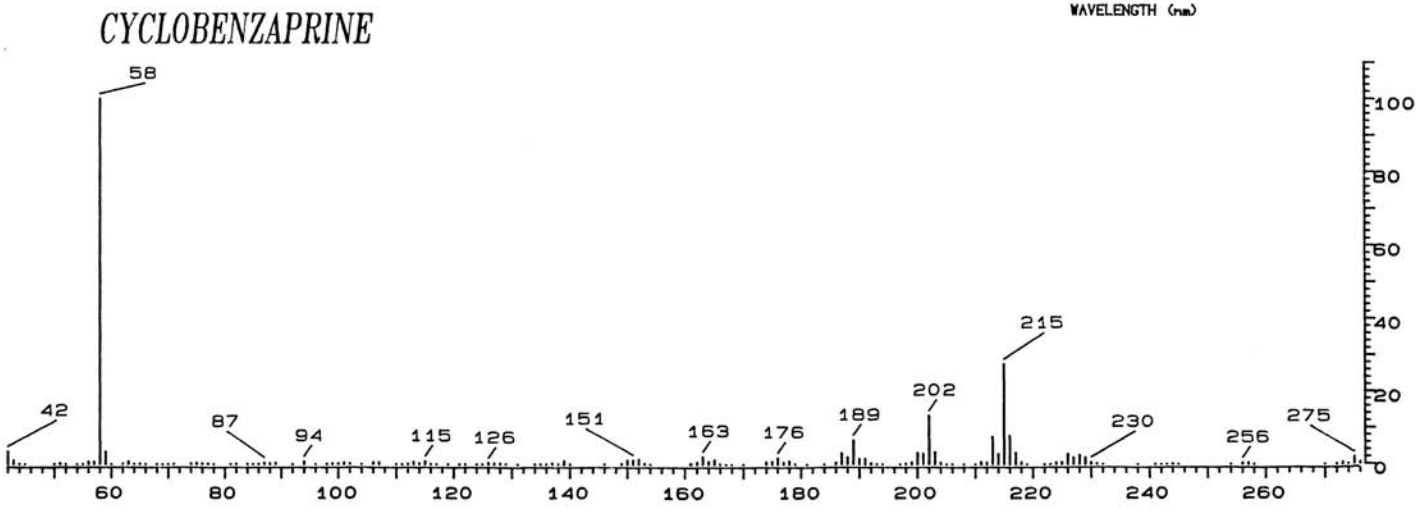
$C_{20}H_{21}N$

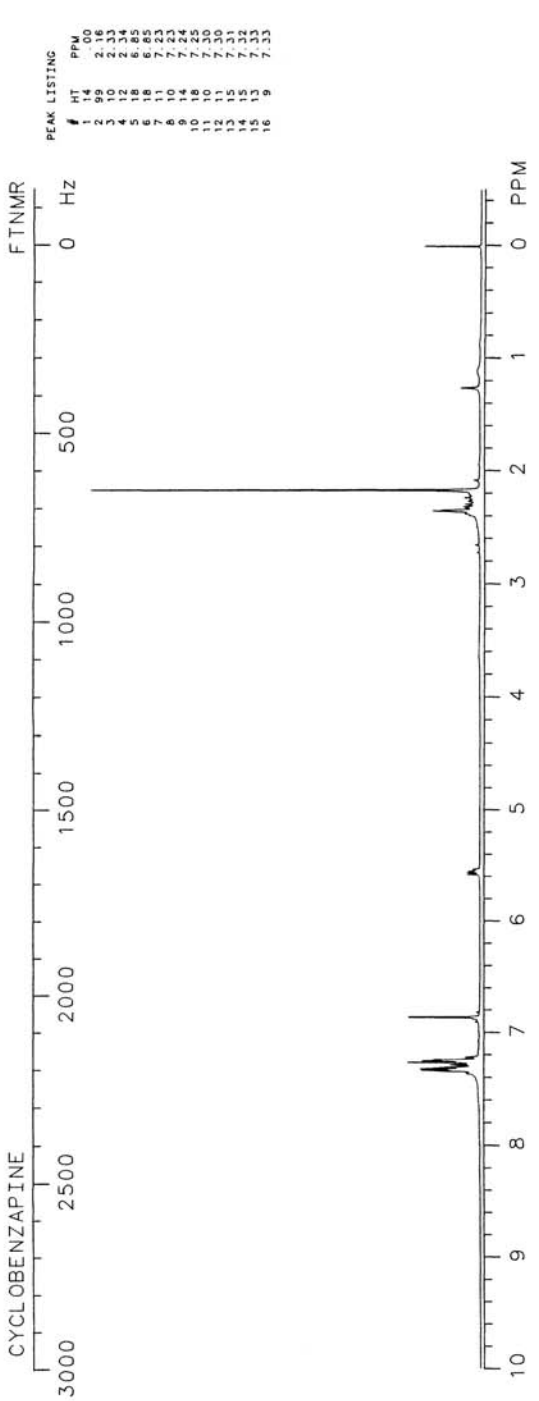
Molecular weight: 275.39 (275.17)
Synonyms: 3-(5H-Dibenzo[a,d]cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine
Trade names: Flexeril

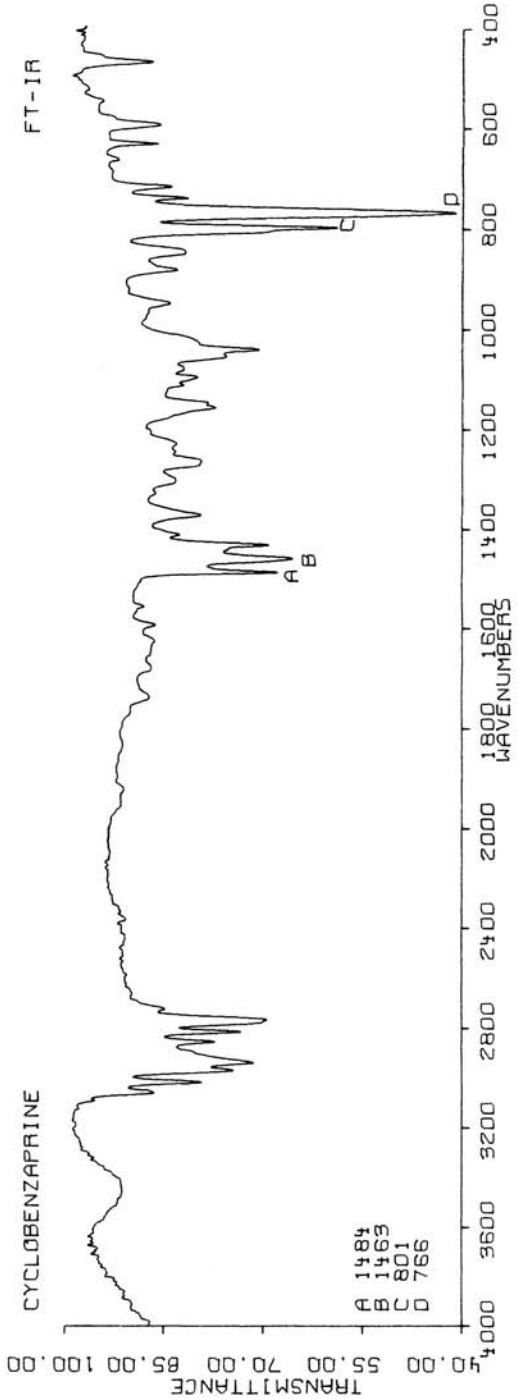
Use: Muscle relaxant, psychomotor depressant
HPLC: Si-10; 5A:95B; 8.0
GC: 2280; 250°C








FTNMR
CYCLOBENZAPINE
PEAK LISTING
HT PPM
1 14 7.00
2 99 2.16
3 10 2.33
4 12 2.34
5 18 6.85
6 11 6.85
7 11 7.23
8 10 7.23
9 14 7.24
10 18 7.25
11 10 7.30
12 11 7.31
13 15 7.32
14 15 7.33
15 13 7.33
16 9
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

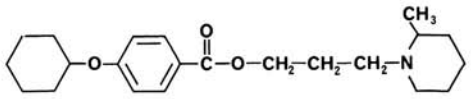

FT-IR
CYCLOBENZAPRINE
A 1484
B 1463
C 801
D 766
A
B
C
D
TRANSMITTANCE
40.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

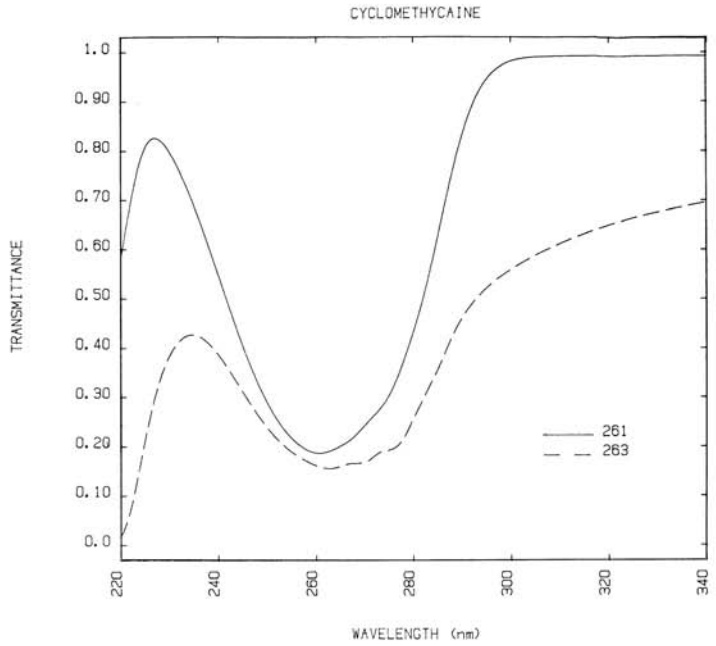
CYCLOMETHYCAINE

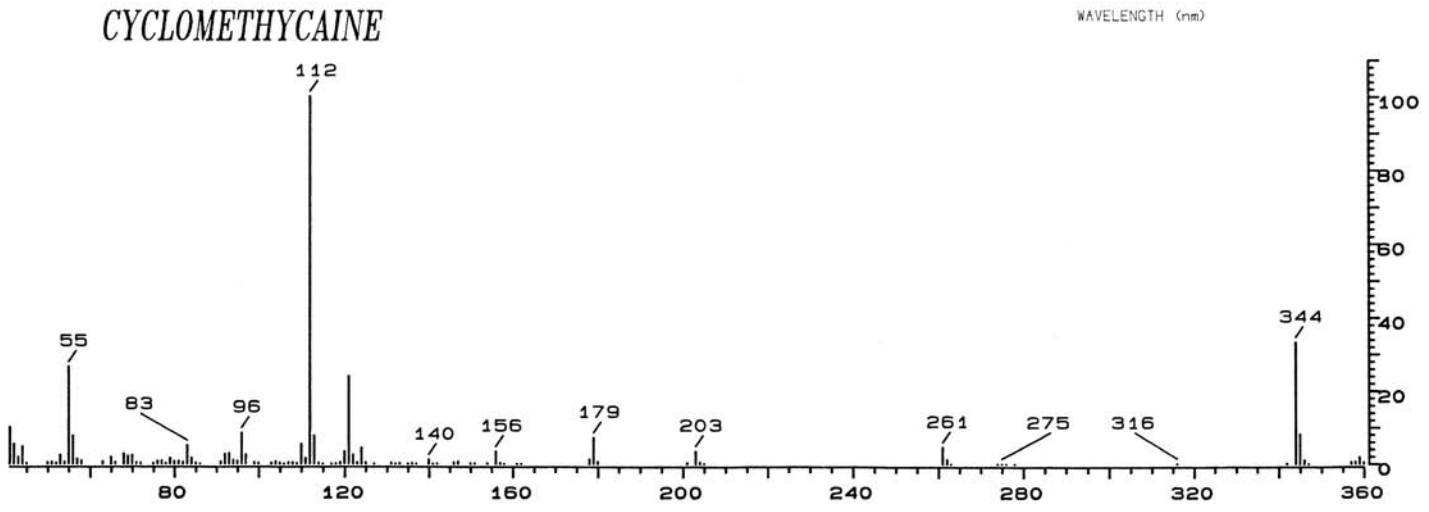
$C_{22}H_{33}NO_3$

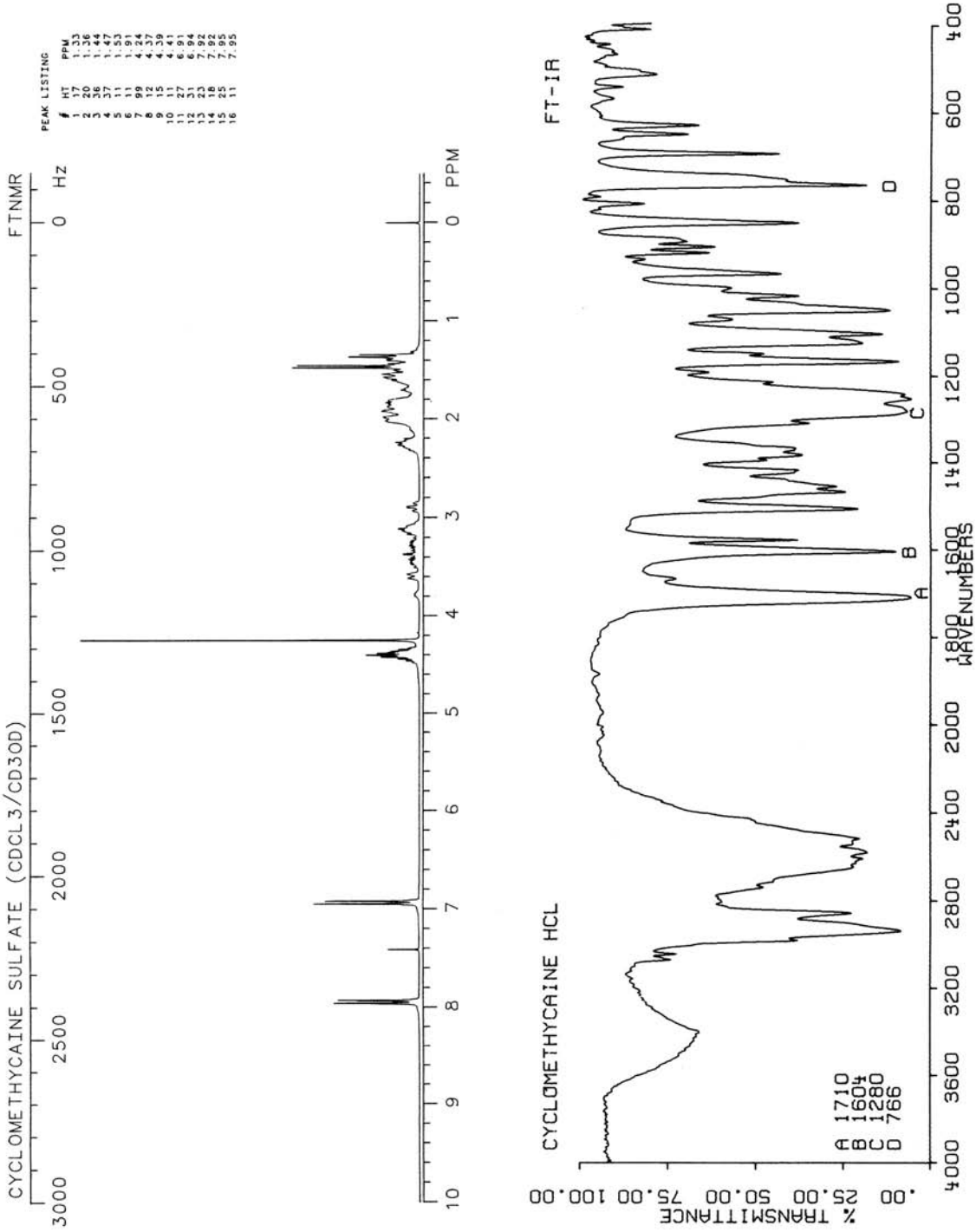
Molecular weight: 359.51 (359.25)
Synonyms: 4-(Cyclohexyloxy)benzoic acid 3-(2-methyl-1-piperidinyl)propyl ester
Trade names: Surfacaine

Use: Topical anesthetic
HPLC: Si-10; 5A:95B; 5.5
GC: 2917; 280°C








CYCLOMETHYCAINE SULFATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 17 1.33
2 20 1.36
3 36 1.44
4 37 1.47
5 11 1.53
6 11 1.91
7 99 4.24
8 12 4.37
9 15 4.39
10 11 4.41
11 27 6.91
12 31 6.94
13 23 7.72
14 18 7.92
15 25 7.95
16 11 7.95
CYCLOMETHYCAINE HCL
FT-IR
A 1710
B 1604
C 1280
D 766
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

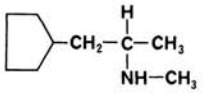
CYCLOPENTAMINE

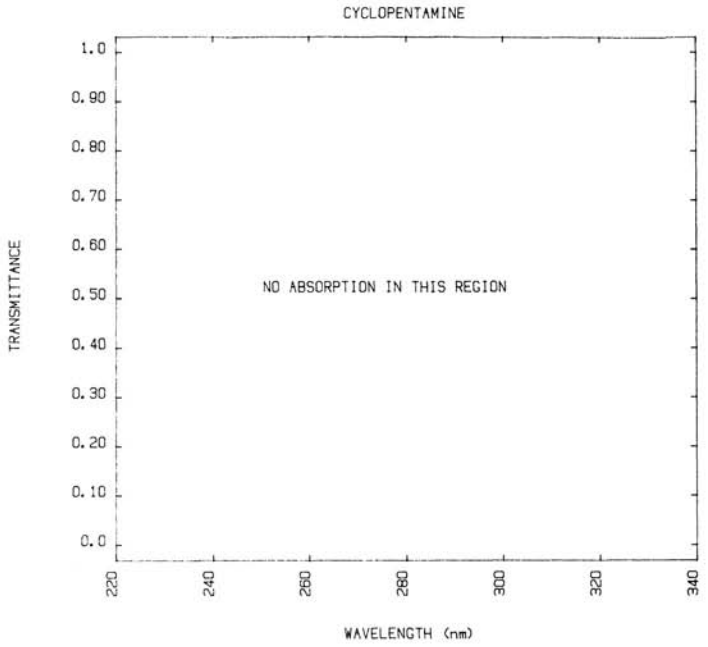
$C_9H_{19}N$

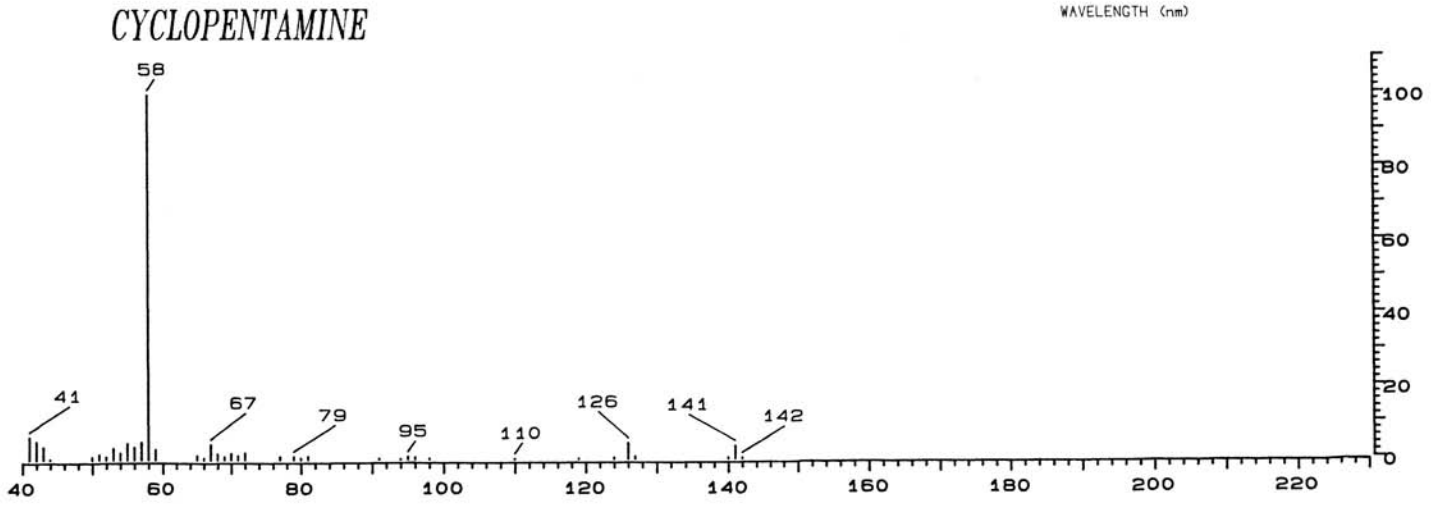
Molecular weight: 141.26 (141.15)
Synonyms: N,α-Dimethylcyclopentaneethanamine; cyclopentadrine

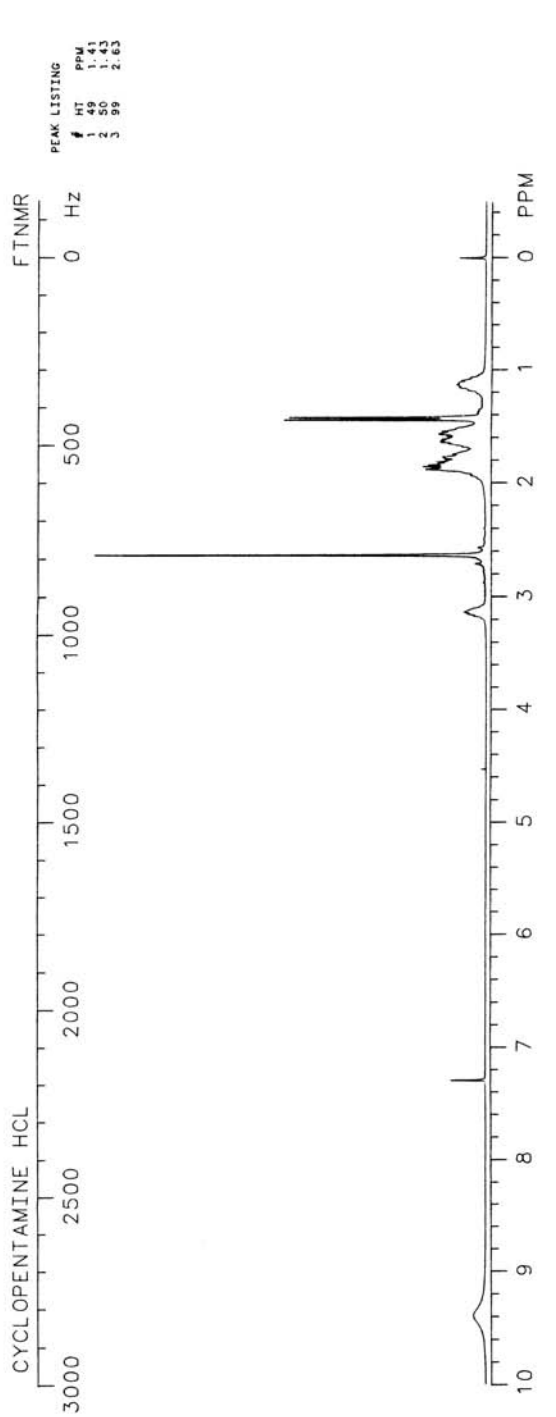
Trade names: Co-Pyronil

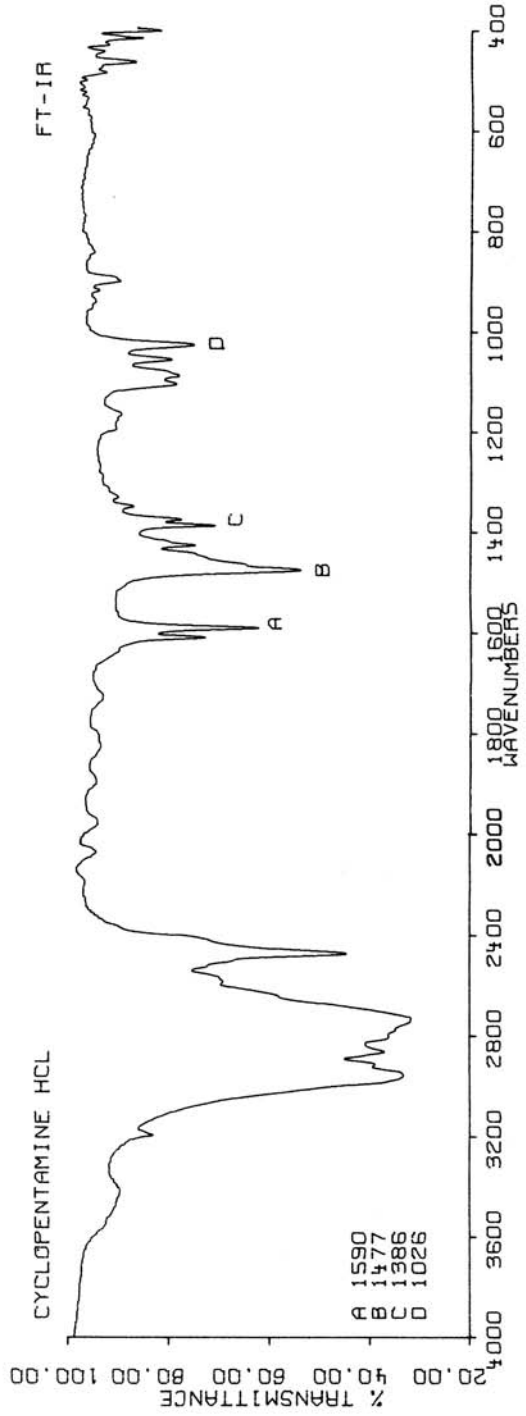
Use: Vasoconstrictor
HPLC:
GC: 1082; 140°C








FTNMR
CYCLOPENTAMINE HCL
PEAK LISTING
HT PPM
1 49 1.41
2 50 1.43
3 99 2.63
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

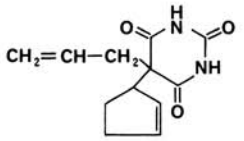

FT-IR
CYCLOPENTAMINE HCL
A 1590
B 1477
C 1386
D 1026
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

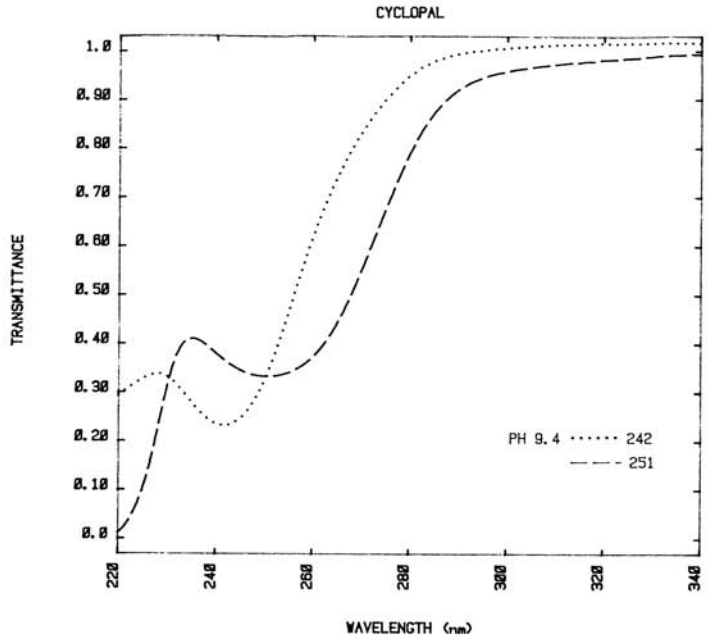
CYCLOPENTOBARBITAL

$C_{12}H_{14}N_2O_3$

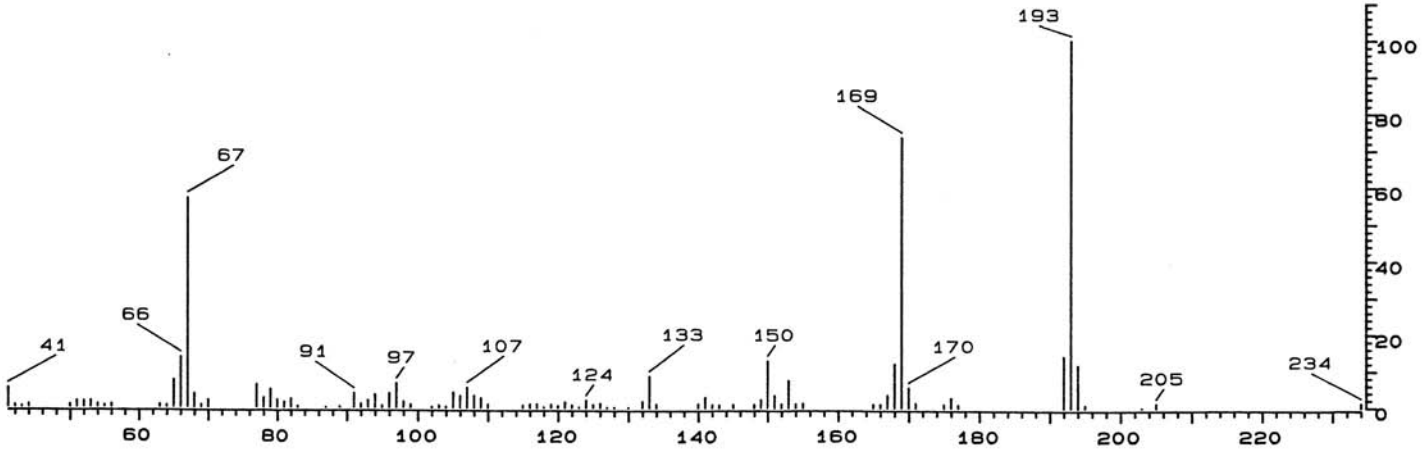
Molecular weight: 234.25 (234.10)
Synonyms: 5-(2-Cyclopenten-1-yl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione; 5-allyl-5-(2-cyclopenten-1-yl)barbituric acid
Trade names: Cyclopal

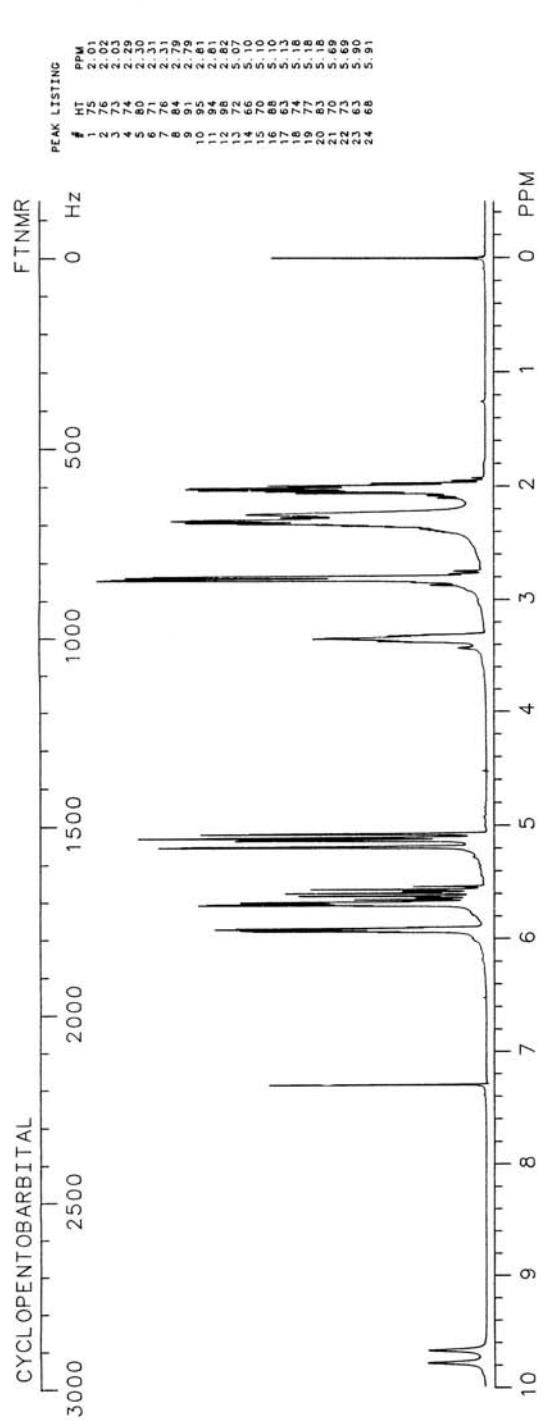
Use: Sedative, hypnotic
HPLC: Si-10; 2A:98B; 4.0
GC: 1873; 200°C

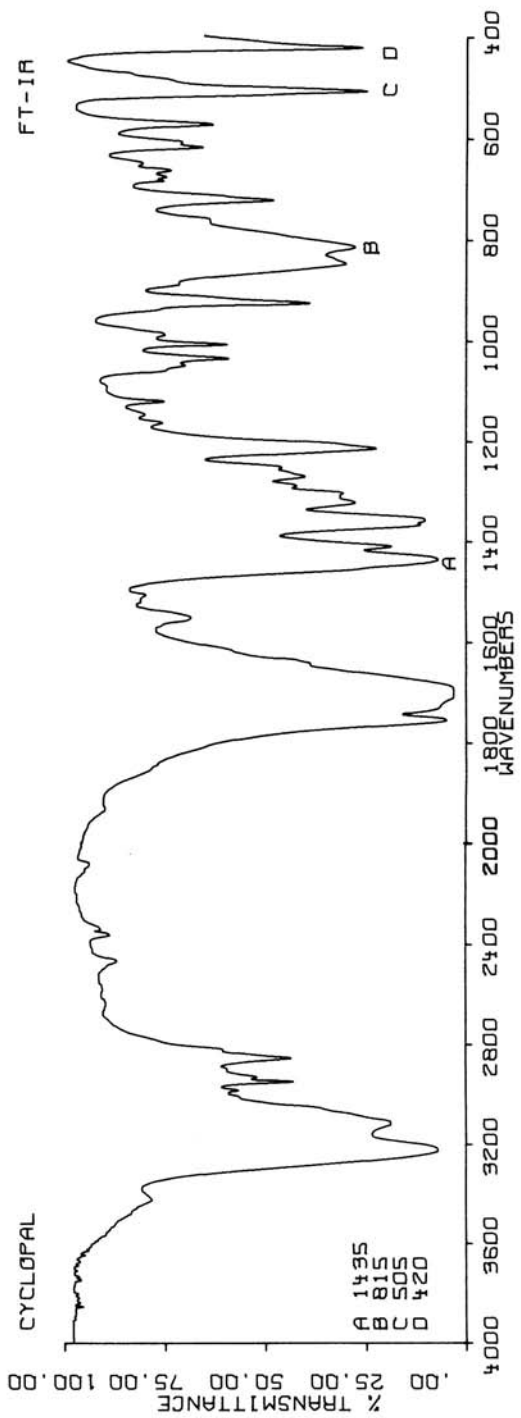




CYCLOPENTANAL



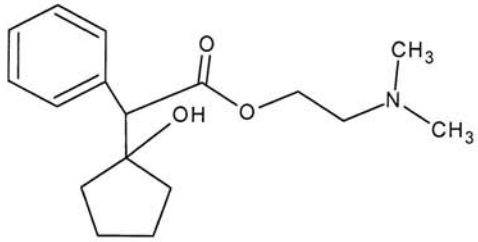

FTNMR
CYCLOPENTOBARBITAL
PEAK LISTING
HT PPM
1 75 2.01
2 76 2.02
3 73 2.03
4 74 2.29
5 80 2.30
6 71 2.31
7 76 2.31
8 84 2.79
9 91 2.79
10 95 2.81
11 94 2.81
12 98 2.82
13 72 5.07
14 66 5.10
15 70 5.10
16 88 5.10
17 63 5.13
18 74 5.18
19 77 5.18
20 83 5.18
21 70 5.69
22 73 5.69
23 63 5.90
24 68 5.91
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

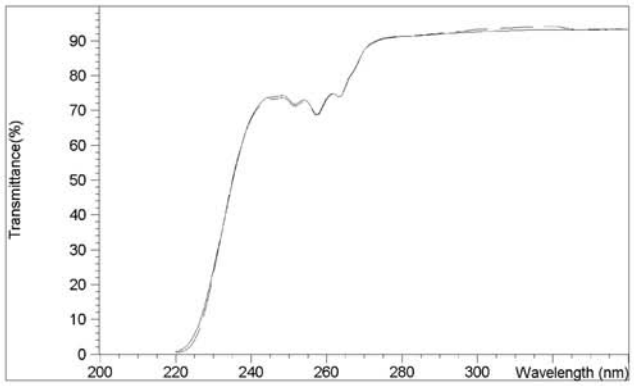

FT-IR
CYCLOFAL
A 1435
B 815
C 505
D 420
A
B
C D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

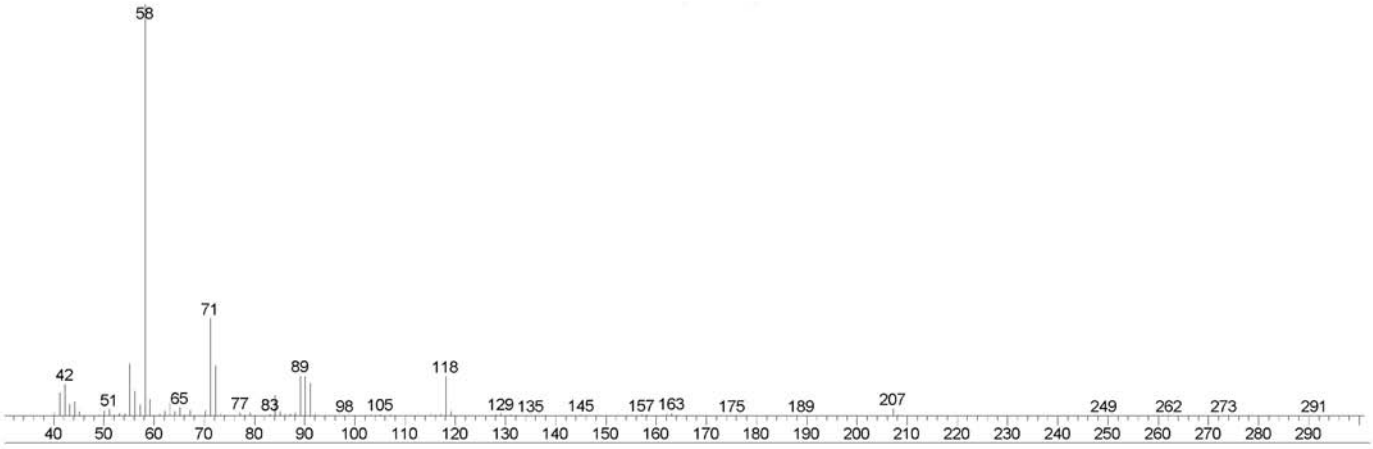
CYCLOPENTOLATE

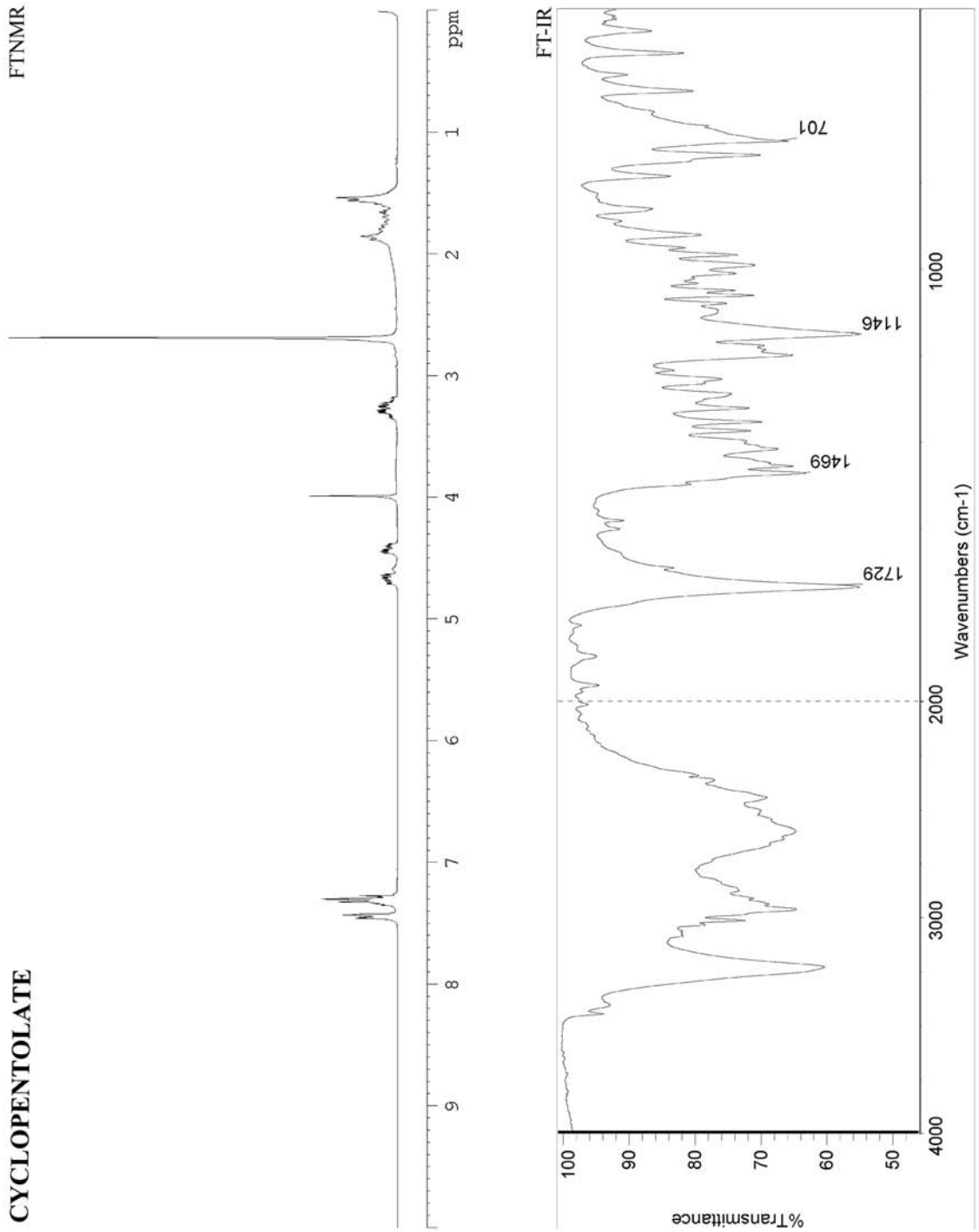
$C_{17}H_{25}NO_3$

Molecular Weight: 291.38 (291.18)
Synonyms: α-(1-Hydroxycyclopentyl) benzeneneacetic acid 2-(dimethylamino)ethyl ester
Trade names: Cyclogyl
Use: Ophthalmic anticholinergic







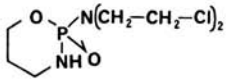

CYCLOPENTOLATE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
100
90
80
70
60
50
4000
3000
2000
1000
Wavenumbers (cm-1)
1729
1469
1146
701

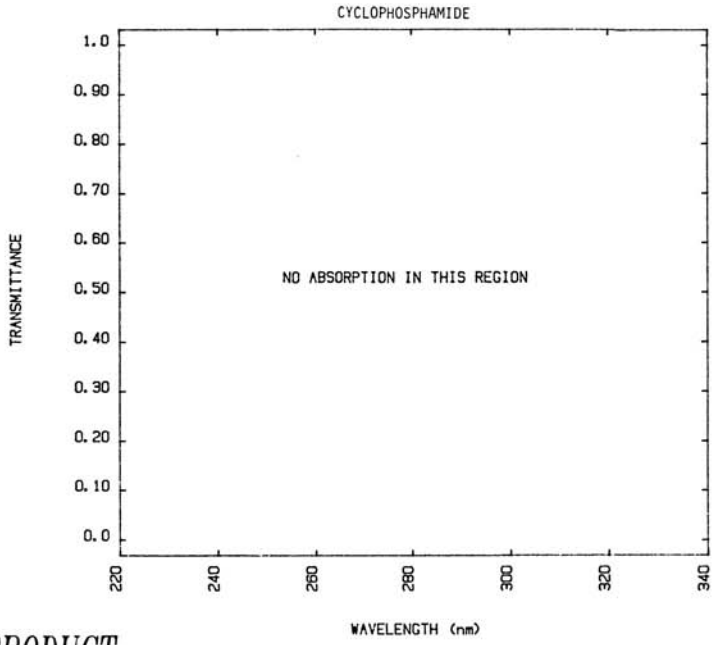
CYCLOPHOSPHAMIDE

$C_7H_{15}Cl_2N_2O_2P$

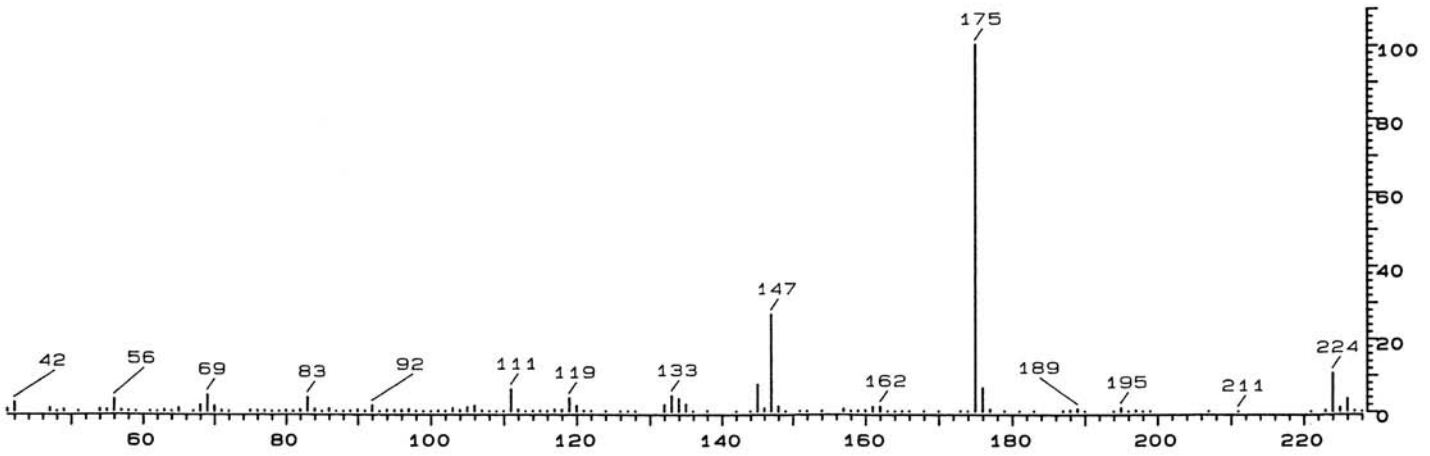
Molecular weight: 261.10 (260.02)
Synonyms: N,N-Bis(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine-2-oxide; cyclophosphane; cytophosphane
Trade names: Cytoxan, Endoxan, Neosar, Procytox, Sendoxan

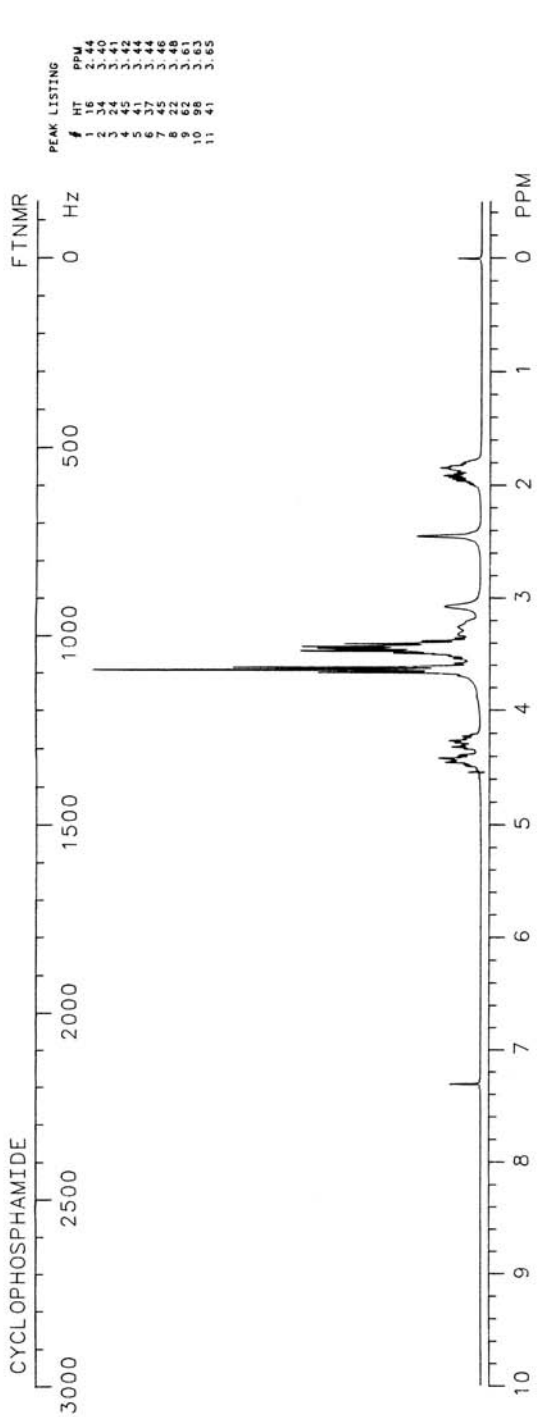
Use: Antineoplastic
HPLC:
GC: 2005; 250°C

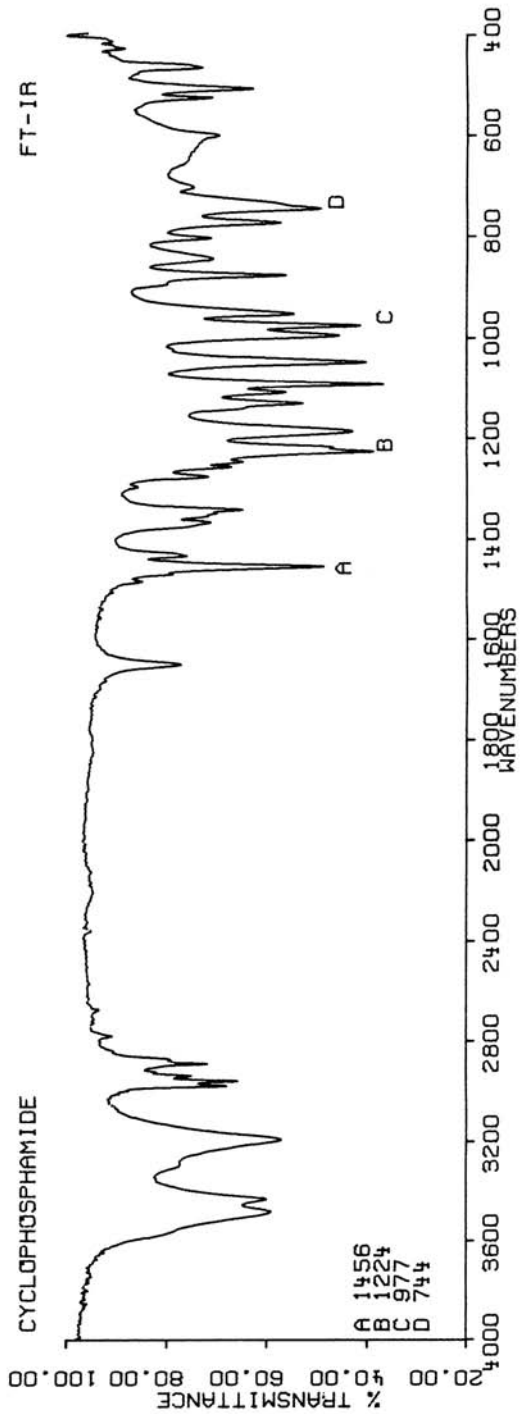




CYCLOPHOSPHAMIDE--DECOMPOSITION PRODUCT




CYCLOPHOSPHAMIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 16 2.44
2 34 3.40
3 24 3.41
4 45 3.42
5 41 3.44
6 37 3.44
7 45 3.46
8 22 3.48
9 62 3.61
10 98 3.63
11 41 3.65


CYCLOPHOSPHAMIDE
FT-IR
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D
A 1456
B 1224
C 977
D 744

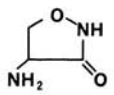
CYCLOSERINE

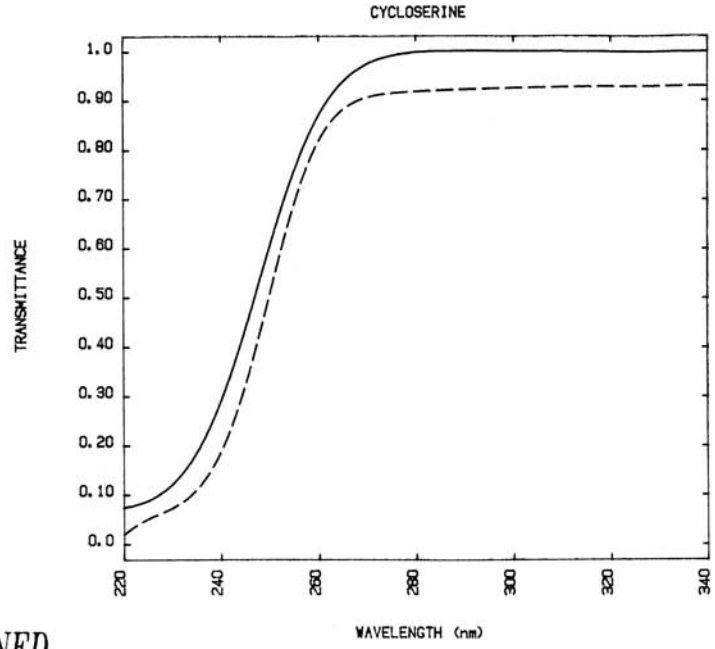
$C_3H_6N_2O_2$

Molecular weight: 102.09 (102.04)
Synonyms: D-4-Amino-3-isoxazolidinone; orientomycin

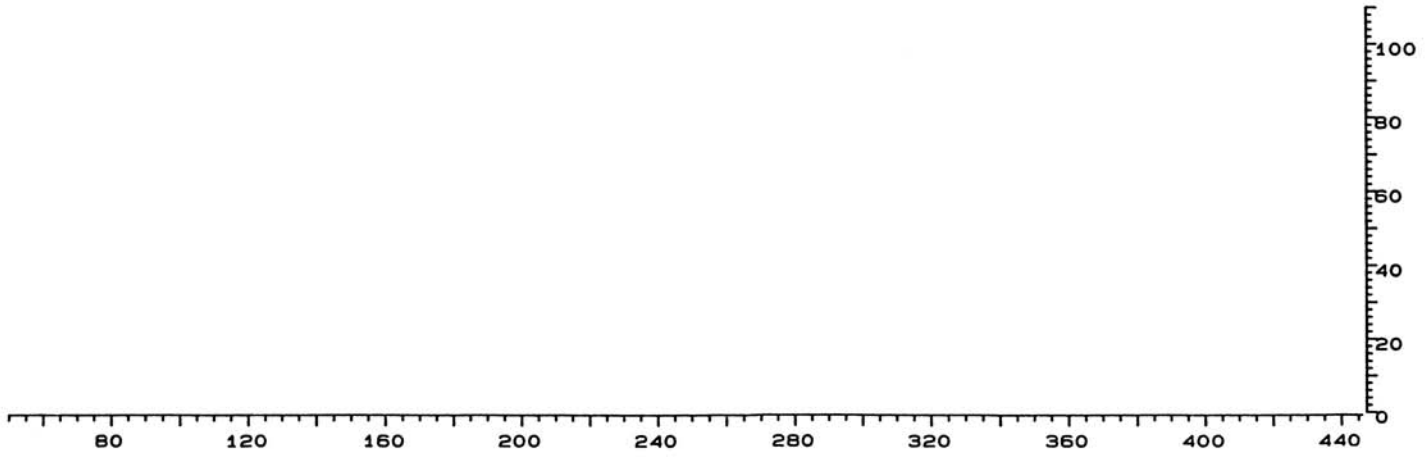
Trade names: Seromycin

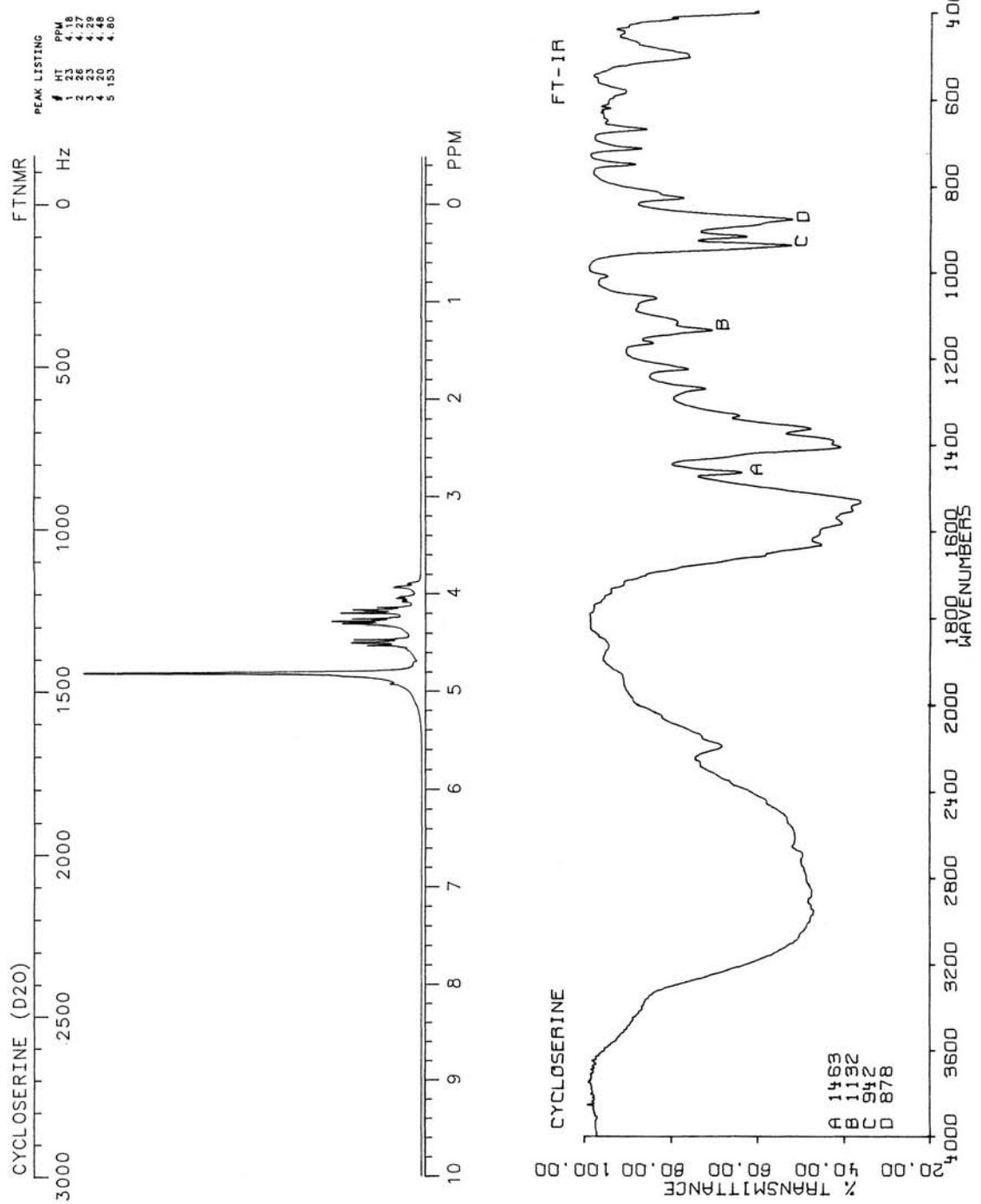
Use: Antibacterial
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



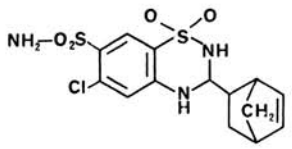

CYCLOSERINE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 23 4.18
2 26 4.27
3 26 4.29
4 20 4.48
5 153 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CYCLOSERINE
FT-IR
A 1463
B 1132
C 942
D 878
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

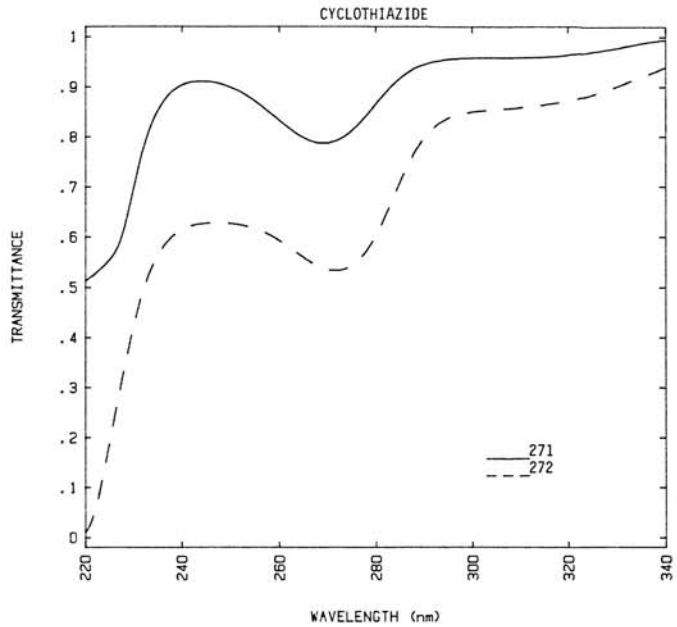
CYCLOTHIAZIDE

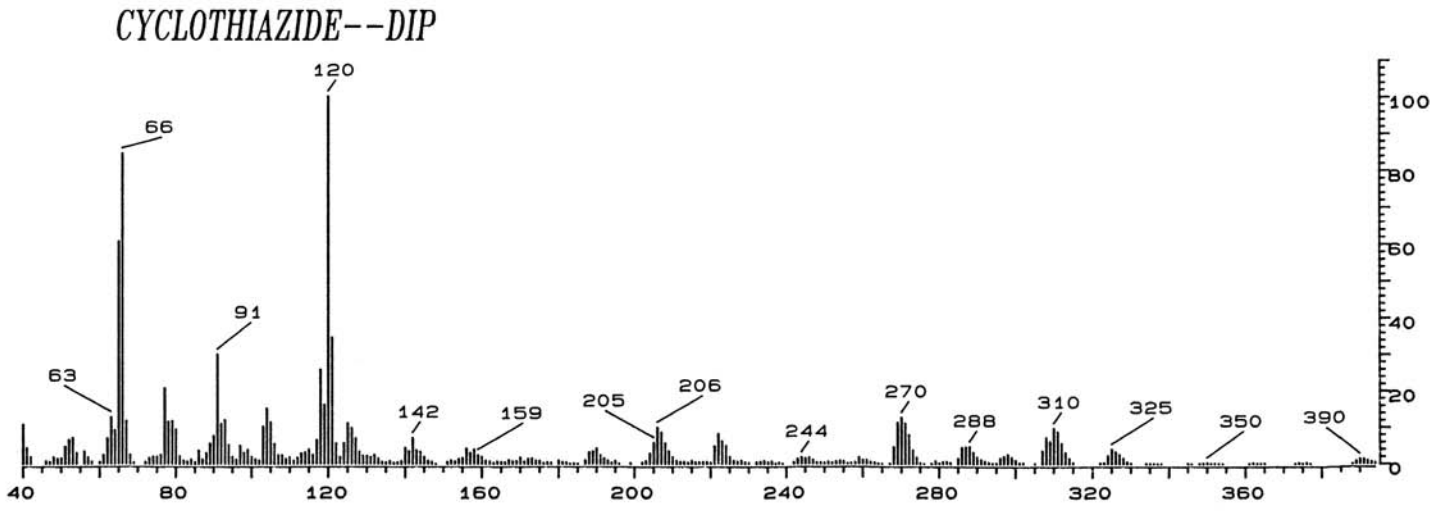
$C_{14}H_{16}ClN_3O_4S_2$

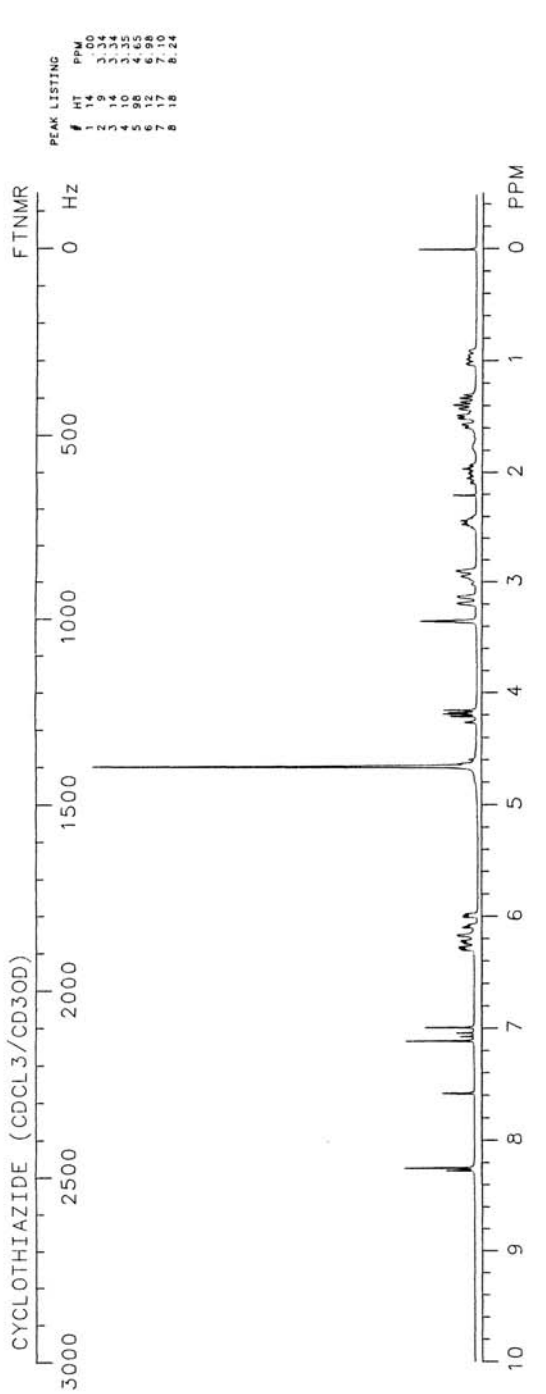
Molecular weight: 389.91 (389.03)
Synonyms: 3-Bicyclo[2.2.1]hept-5-en-2-yl-6-chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide-1,1-dioxide
Trade names: Anhydron, Aquirel, Doburil, Fluidil

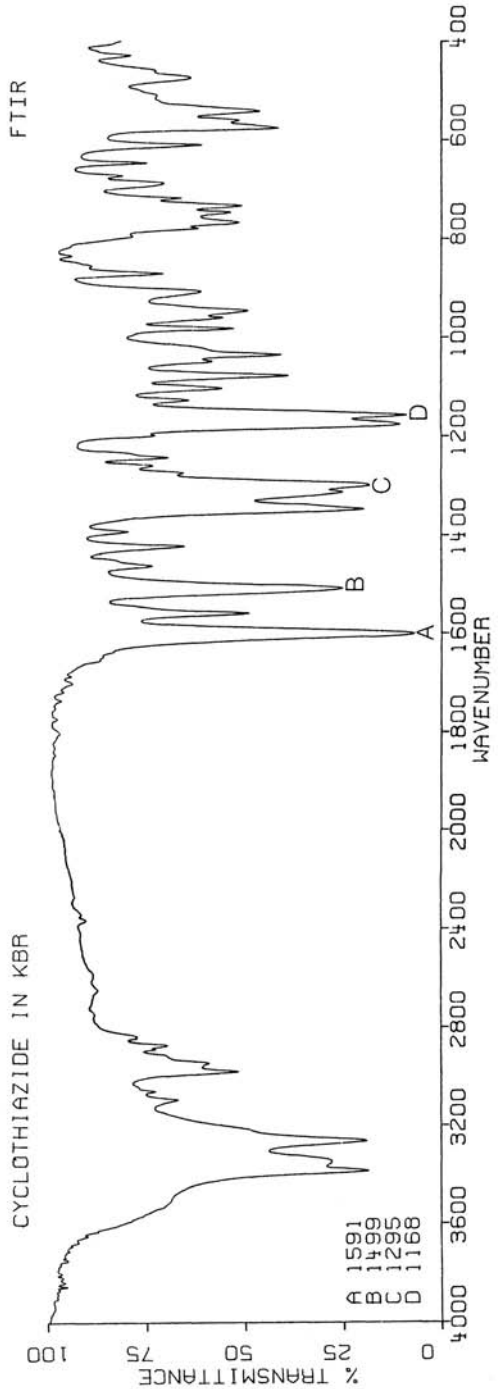
Use: Diuretic, antihypertensive
HPLC: Si-10; 2A:98B; 5.5
GC:








FTNMR
CYCLOTHIAZIDE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 14 .00
2 9 3.34
3 14 3.34
4 10 3.35
5 98 4.65
6 12 6.98
7 17 7.10
8 18 8.24
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
CYCLOTHIAZIDE IN KBR
A 1591
B 1499
C 1295
D 1168
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

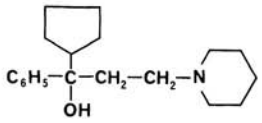
CYCRIMINE

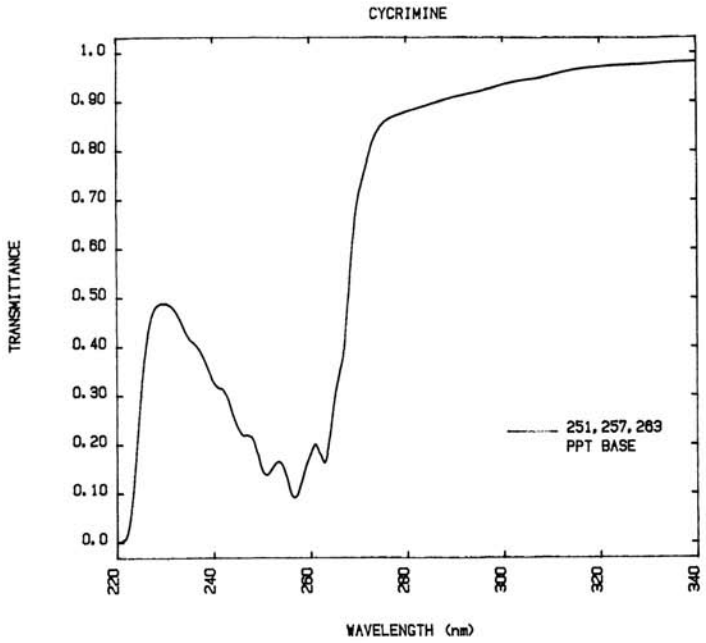
$C_{19}H_{29}NO$

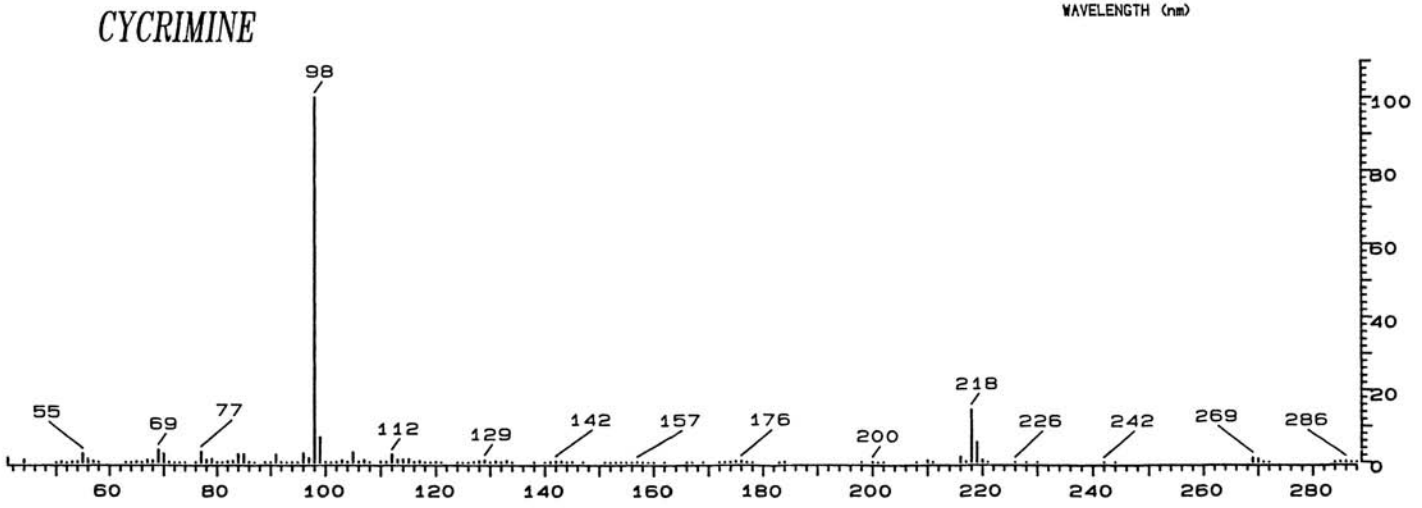
Molecular weight: 287.44 (287.23)
Synonyms: α-Cyclopentyl-α-phenyl-1-piperidinepropanol

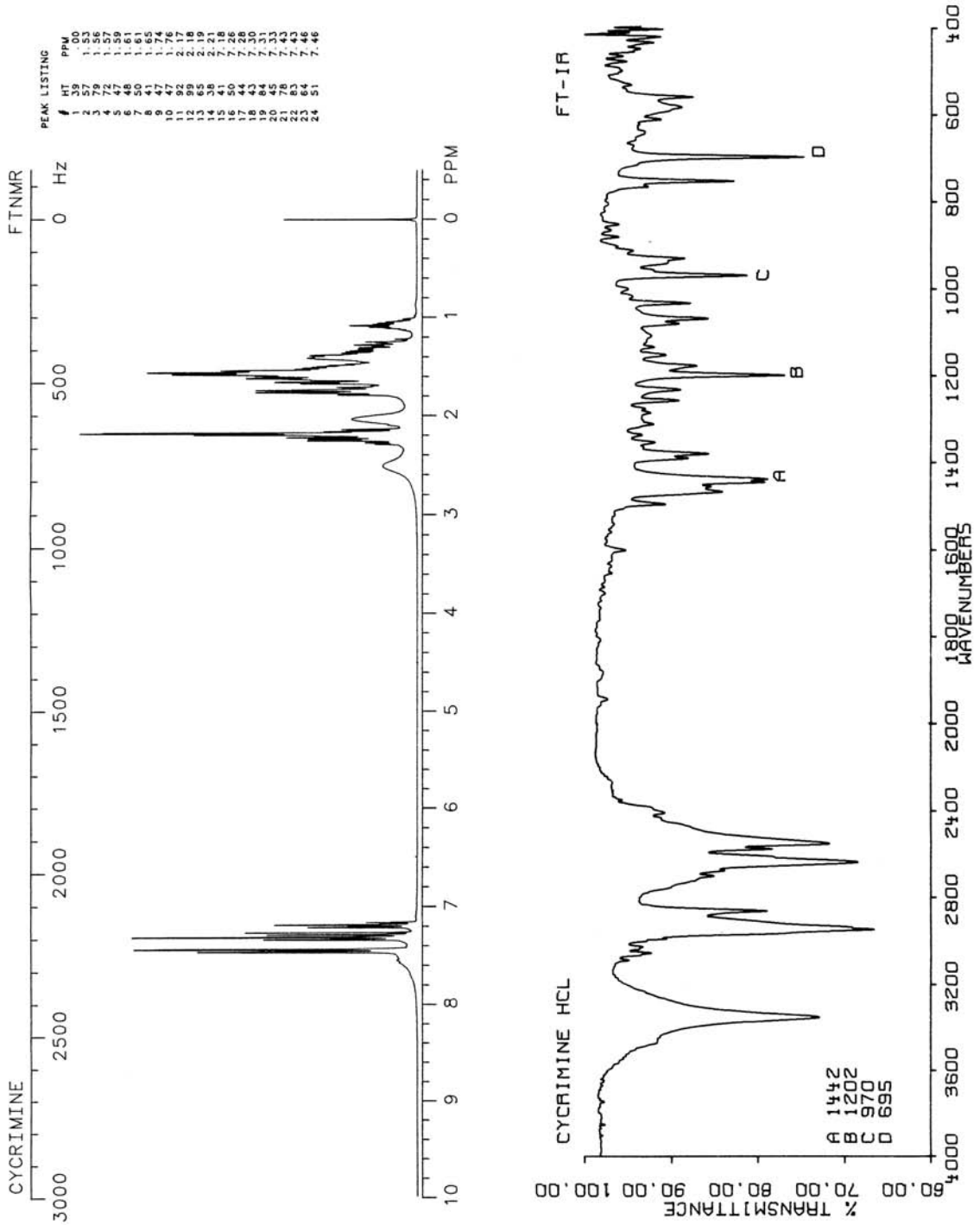
Trade names: Pagitane

Use: Anticholinergic
HPLC:
GC: 2200; 250°C








CYCRIMINE
FTNMR
PEAK LISTING
HT PPM
1 59 1.50
2 57 1.53
3 79 1.56
4 72 1.57
5 47 1.59
6 48 1.61
7 50 1.61
8 41 1.65
9 47 1.74
10 47 1.76
11 92 2.17
12 99 2.18
13 65 2.19
14 38 2.21
15 41 7.28
16 50 7.28
17 44 7.28
18 43 7.30
19 84 7.31
20 45 7.33
21 78 7.43
22 83 7.43
23 64 7.46
24 51 7.46
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
CYCRIMINE HCL
FT-IR
A 1442
B 1202
C 970
D 695
A
B
C
D
% TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

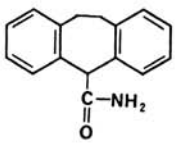
CYHEPTAMIDE

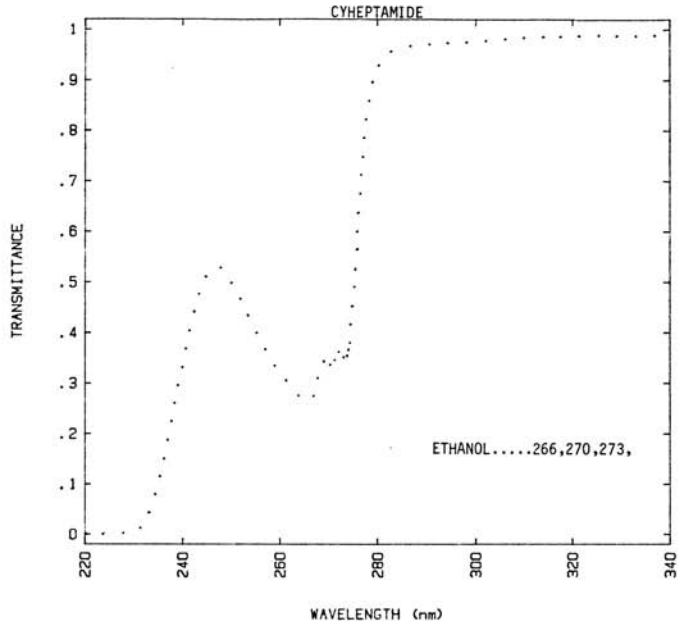
$C_{16}H_{15}NO$

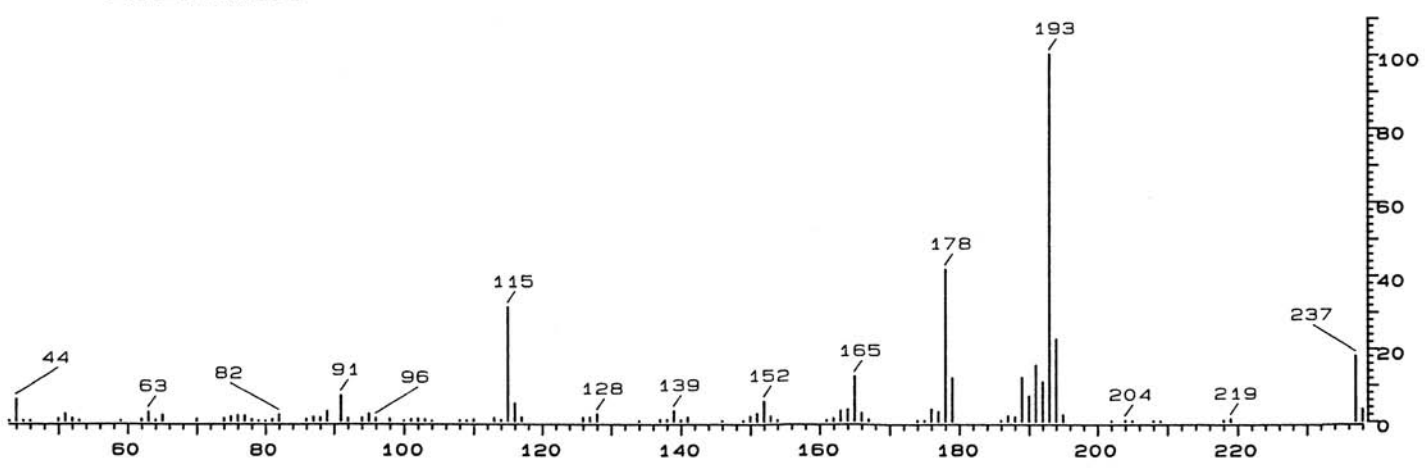
Molecular weight: 237.29 (237.12)
Synonyms: 10,11-Dihydro-5H-dibenzo[a,d]-cycloheptene-5-carboxamide

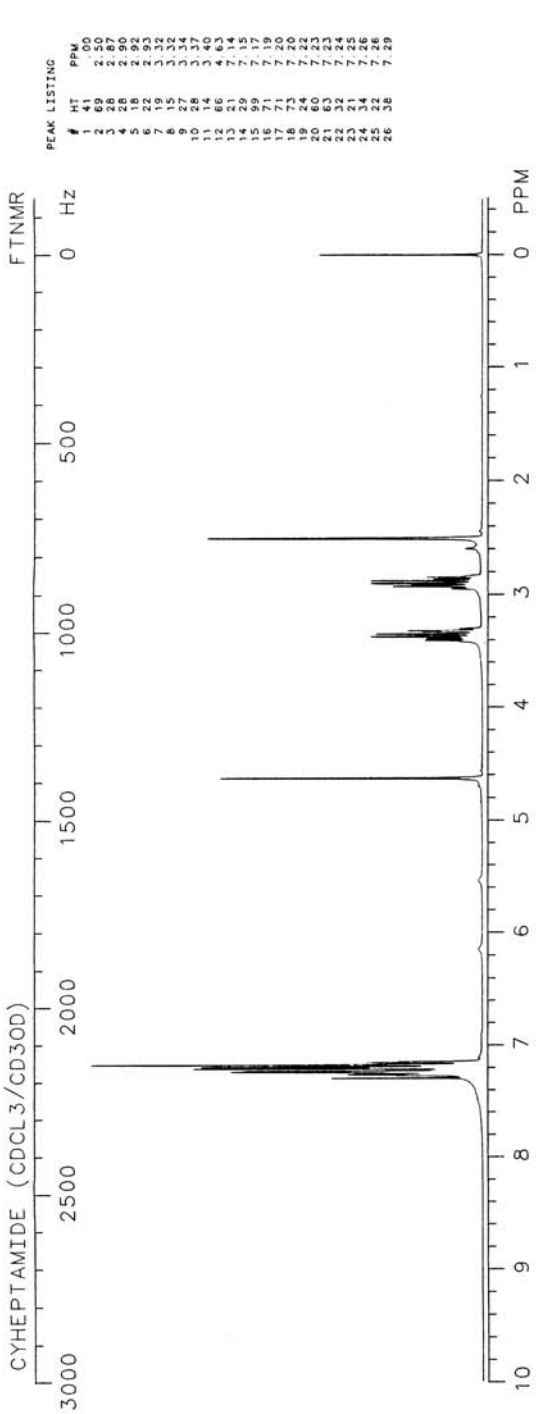
Trade names:

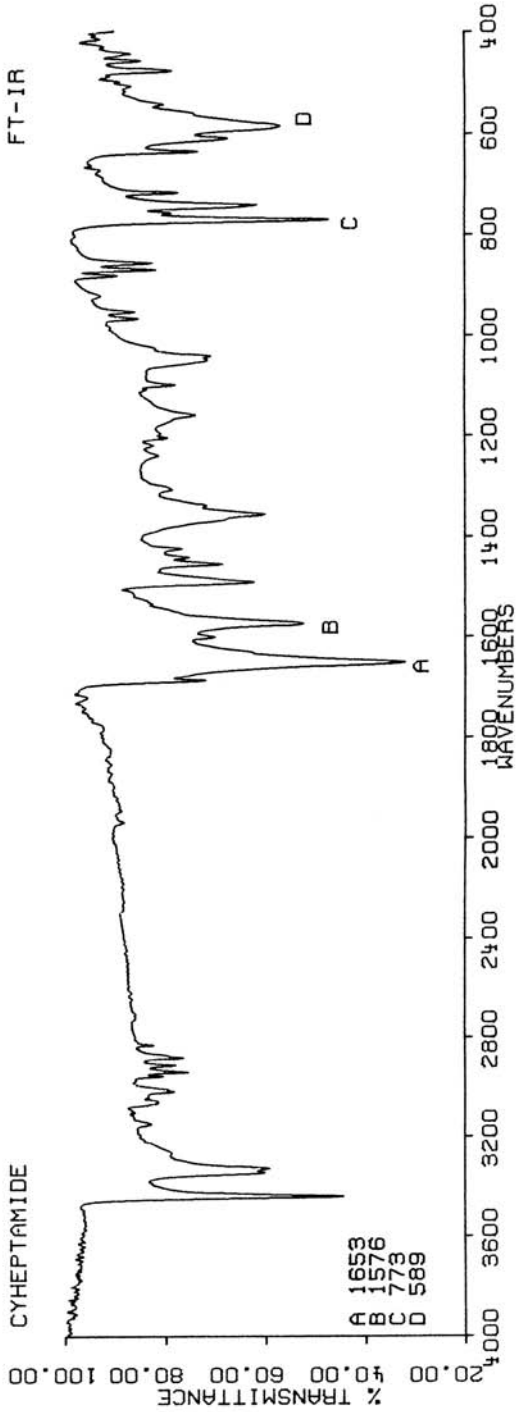
Use: Anticonvulsant
HPLC: Si-10; 100B; 8.1
GC: 2330; 250°C








FTNMR
CYHEPTAMIDE (CDCL3/CD3OD)
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 41 2.00
2 69 2.50
3 28 2.87
4 28 2.90
5 18 2.92
6 22 2.93
7 19 3.32
8 15 3.32
9 27 3.34
10 28 3.37
11 14 4.60
12 66 4.63
13 21 7.14
14 29 7.15
15 99 7.17
16 71 7.19
17 71 7.20
18 25 7.22
19 24 7.22
20 60 7.23
21 63 7.23
22 32 7.24
23 21 7.25
24 34 7.26
25 22 7.26
26 38 7.29

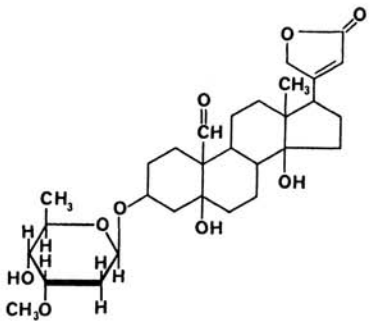

FT-IR
CYHEPTAMIDE
A 1653
B 1576
C 773
D 589
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

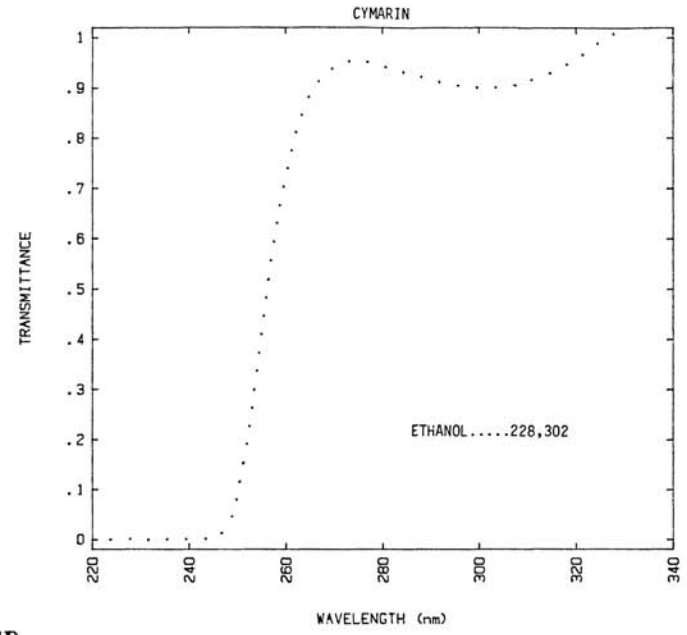
CYMARIN

$C_{30}H_{44}O_9$

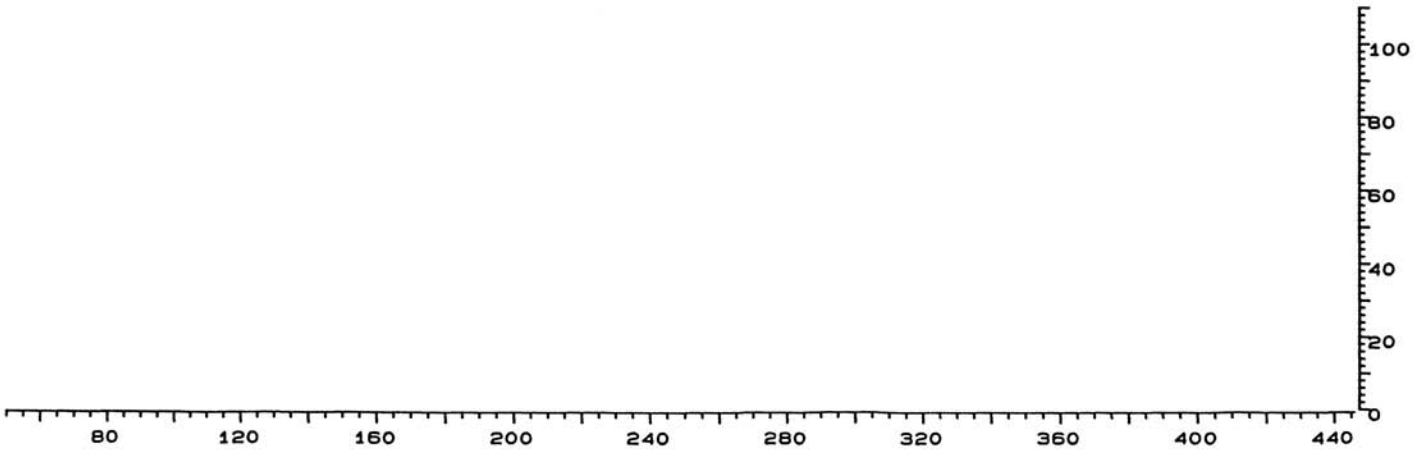
Molecular weight: 548.65 (548.30)
Synonyms: 3β-[(2,6-Dideoxy-3-O-methyl-β-D-ribohexopyranosyl)oxy]-5β,14-dihydroxy-19-oxocard-20(22)-enolide; K-Strophanthin-α
Trade names:

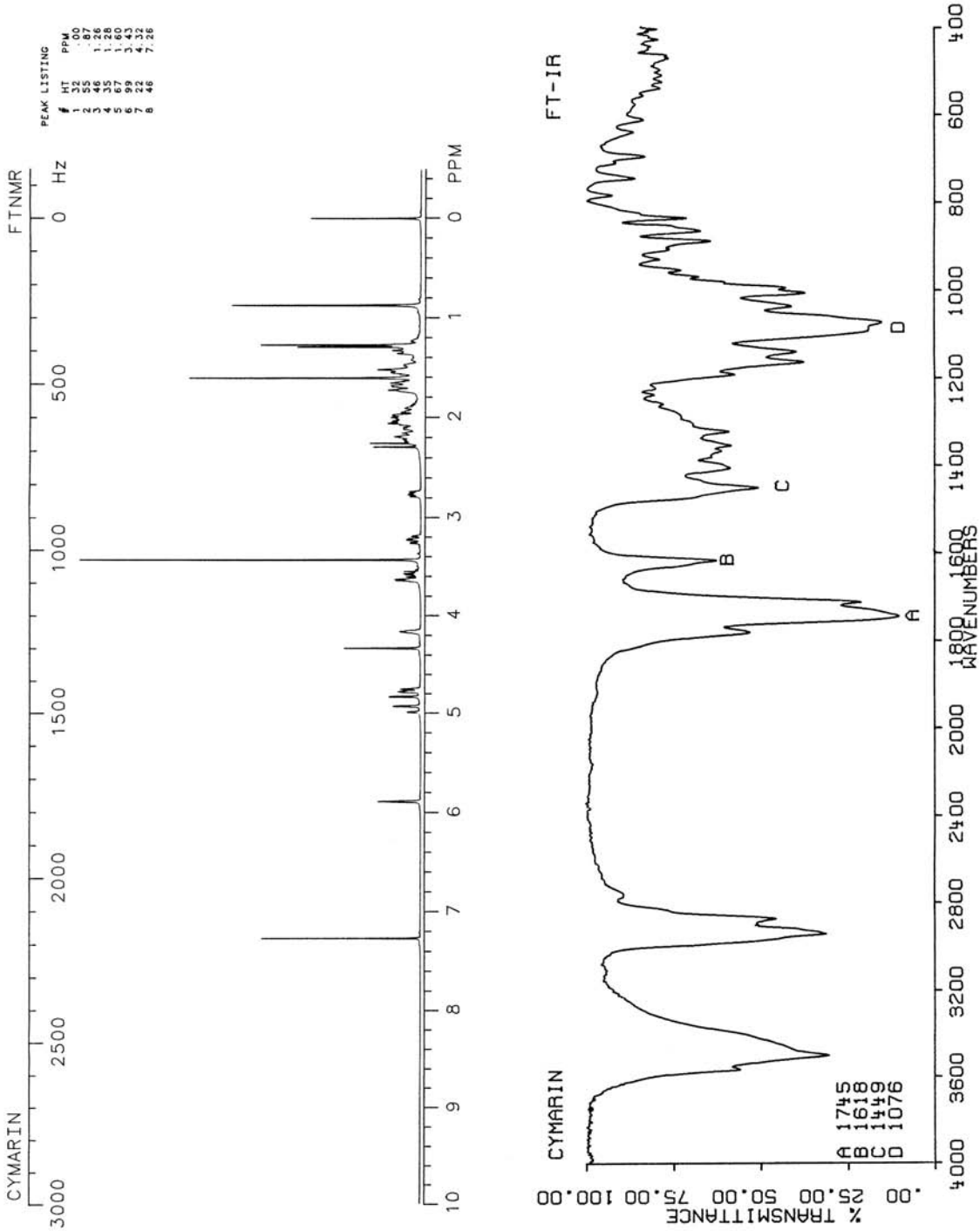
Use: Cardiotonic
HPLC:
GC: 3584; 280°C





NO USEFUL MASS SPECTRUM WAS OBTAINED



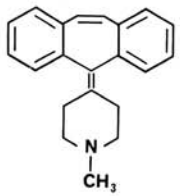

CYMARIN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 32 .00
2 55 .87
3 46 1.26
4 35 1.28
5 67 1.60
6 99 3.43
7 22 4.32
8 46 7.26
10 9 8 7 6 5 4 3 2 1 0 PPM
CYMARIN
FT-IR
A 1745
B 1618
C 1449
D 1076
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

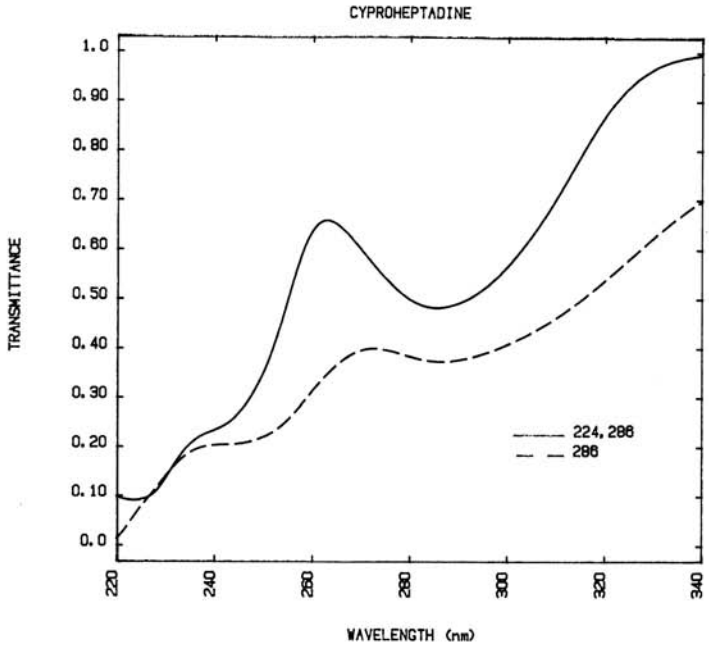
CYPROHEPTADINE

$C_{21}H_{21}N$

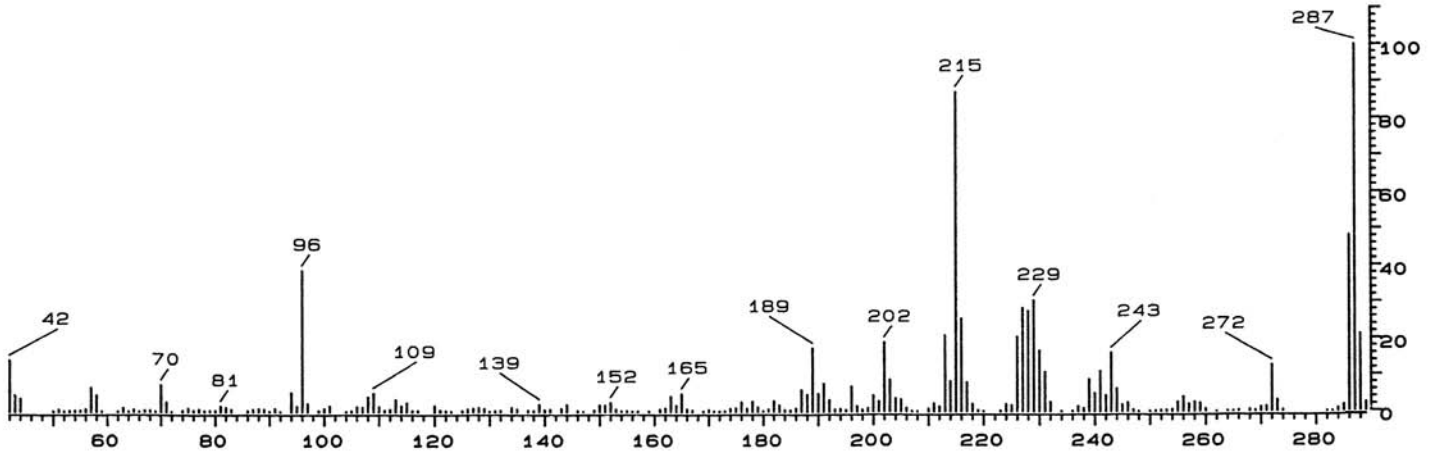
Molecular weight: 287.40 (287.17)
Synonyms: 4-(5H-Dibenzo[a,d]cyclohepten-5-ylidine)-1-methylpiperidine
Trade names: Cyproheptadine, Periactin

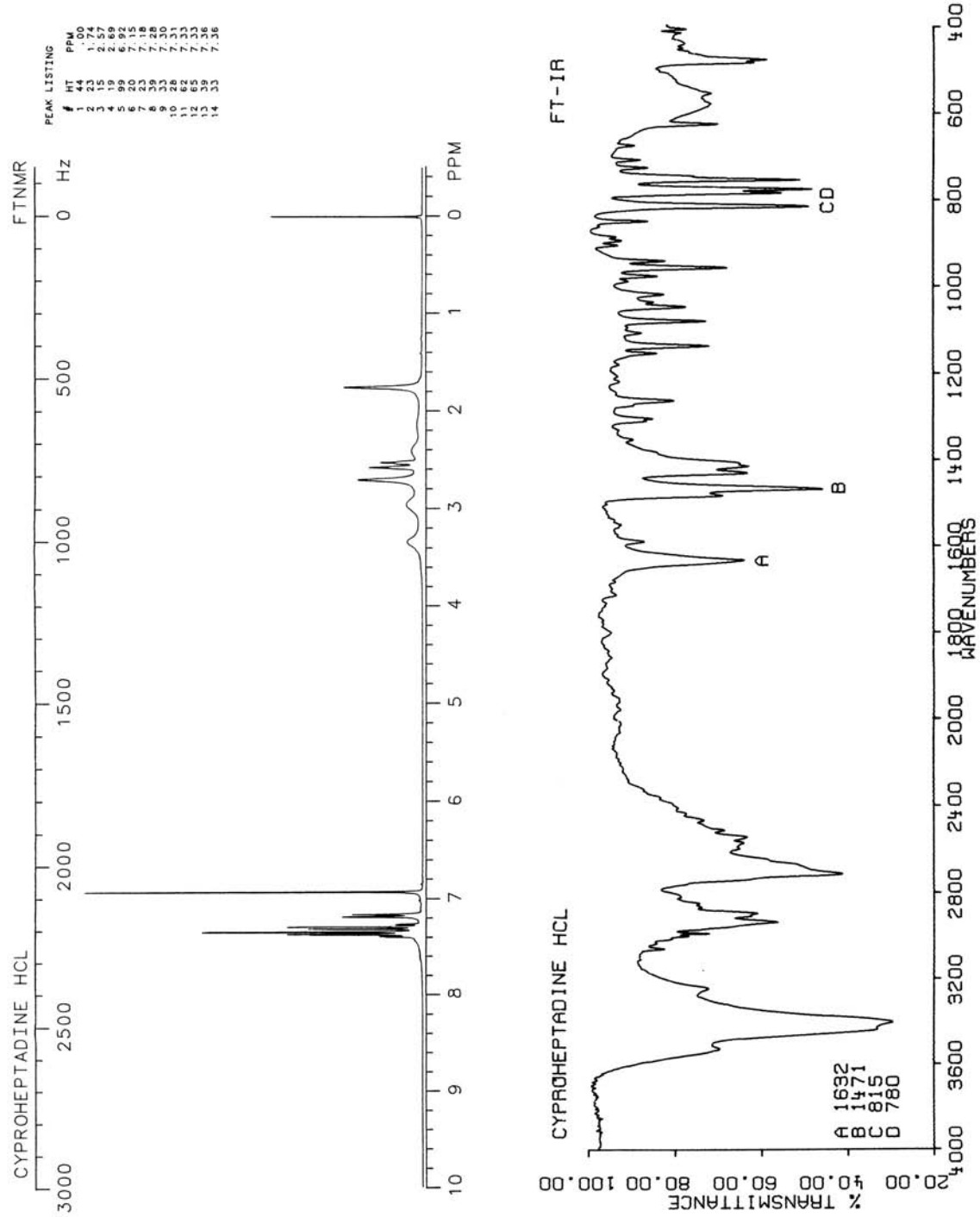
Use: Antihistaminic, appetite stimulant
HPLC: Si-10; 5A:95B; 5.0
GC: 2404; 250°C





CYPROHEPTADINE



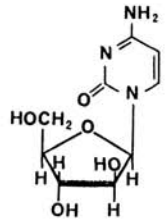

CYPROHEPTADINE HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 44 7.00
2 25 7.24
3 15 2.57
4 19 2.69
5 99 6.92
6 20 7.15
7 23 7.18
8 39 7.28
9 25 7.30
10 26 7.31
11 62 7.33
12 65 7.33
13 39 7.36
14 33 7.36
CYPROHEPTADINE HCL
FT-IR
A 1632
B 1471
C 815
D 780
A
B
CD
% TRANSMITTANCE
20.00
40.00
60.00
80.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

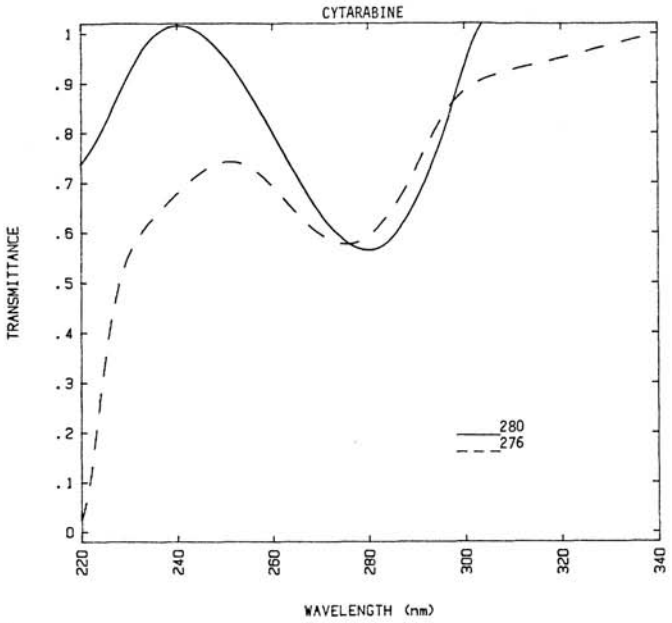
CYTARABINE

$C_9H_{13}N_3O_5$

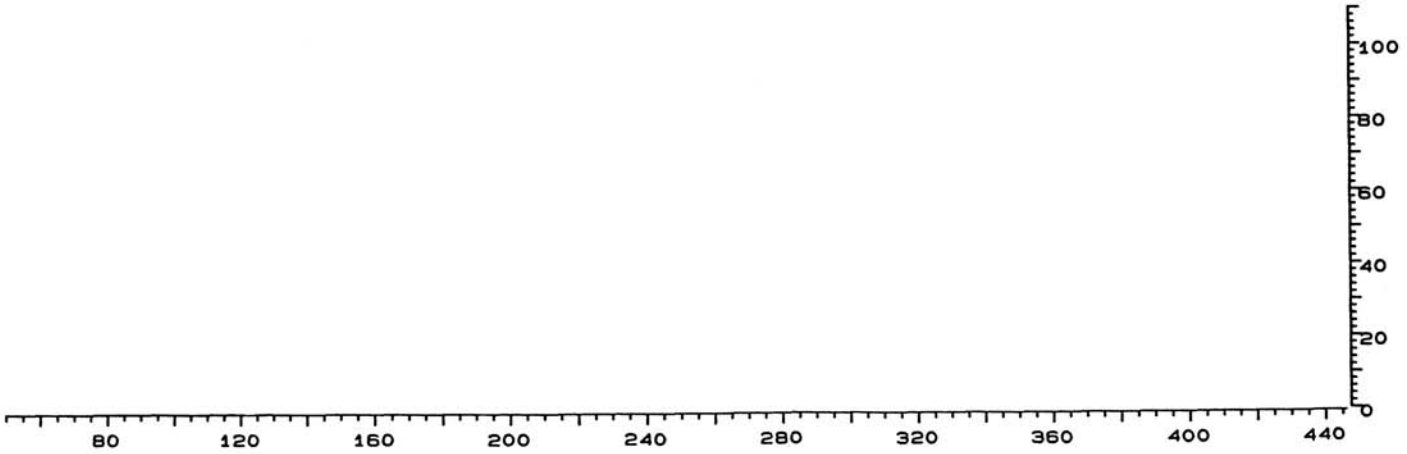
Molecular weight: 243.22 (243.09)
Synonyms: 4-Amino-1β-D-arabinofuranosyl-2(1HO-pyrimidinone;
β-cytosine arabinoside; arabinosylcytosine
Trade names: Alexan, Aracytin, Cytosar-U, Cytusar, Udicil

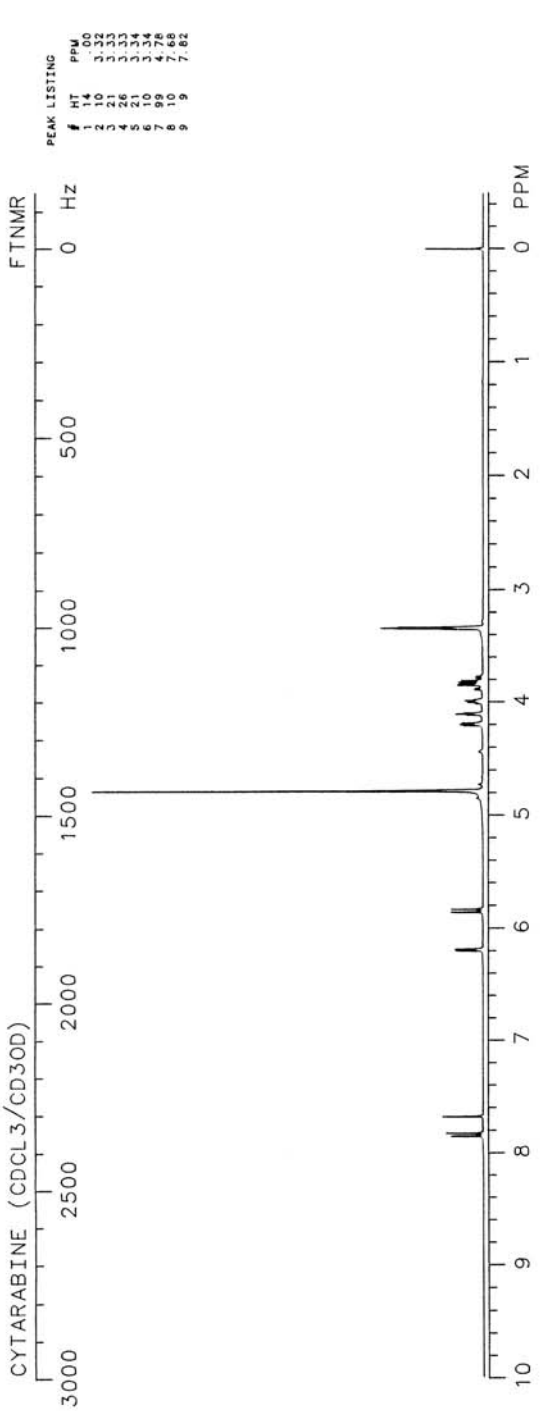
Use: Antineoplastic
HPLC: Si-10; 10A;90B; 10.2
GC:

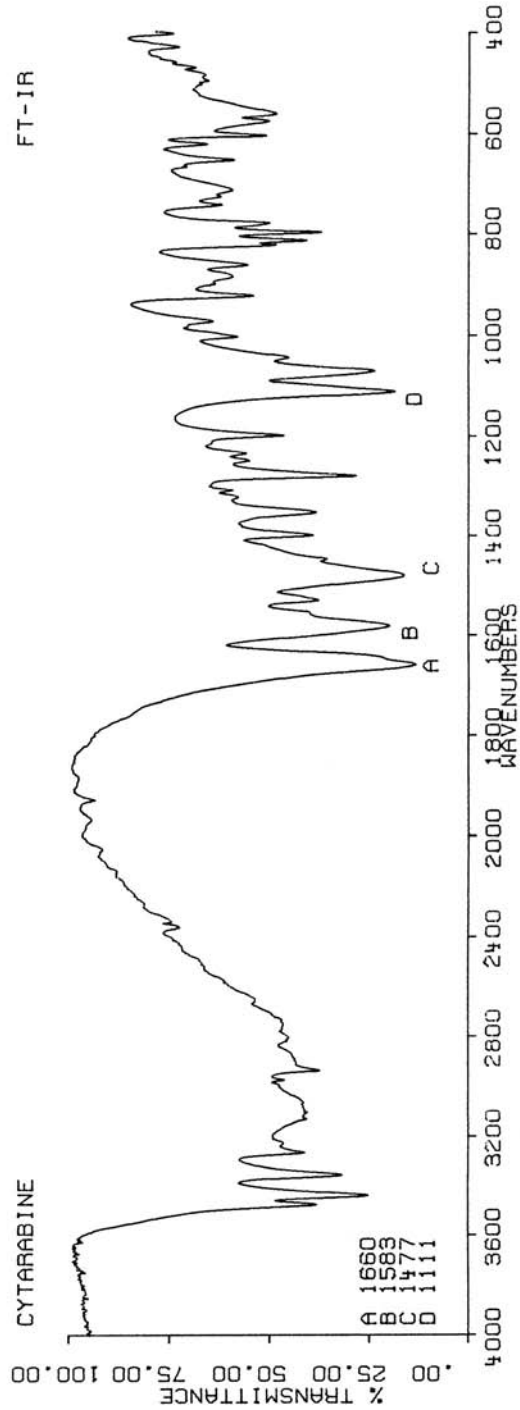




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
CYTARABINE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 14 1.00
2 10 3.32
3 21 3.33
4 26 3.33
5 21 3.34
6 10 3.74
7 99 4.78
8 10 7.68
9 9 7.82
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
CYTARABINE
A 1660
B 1583
C 1477
D 1111
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

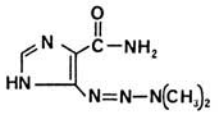
DACARBAZINE

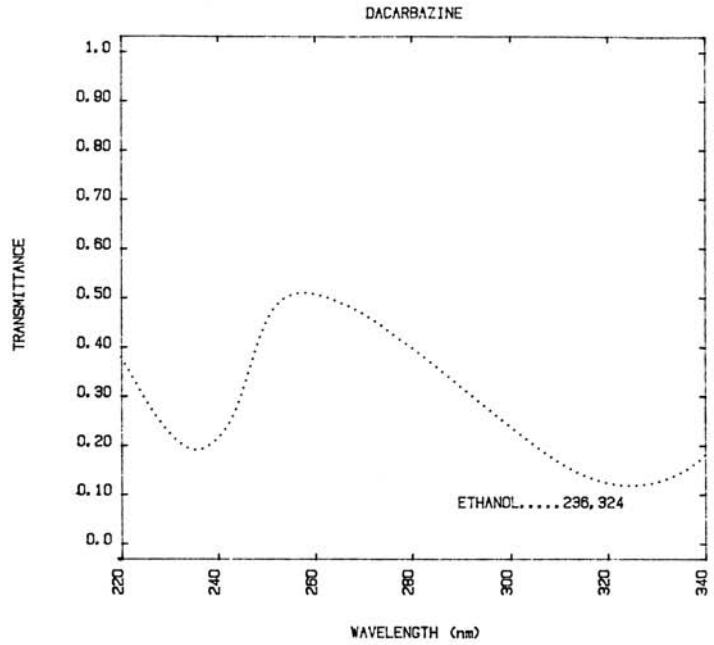
$C_6H_{10}N_6O$

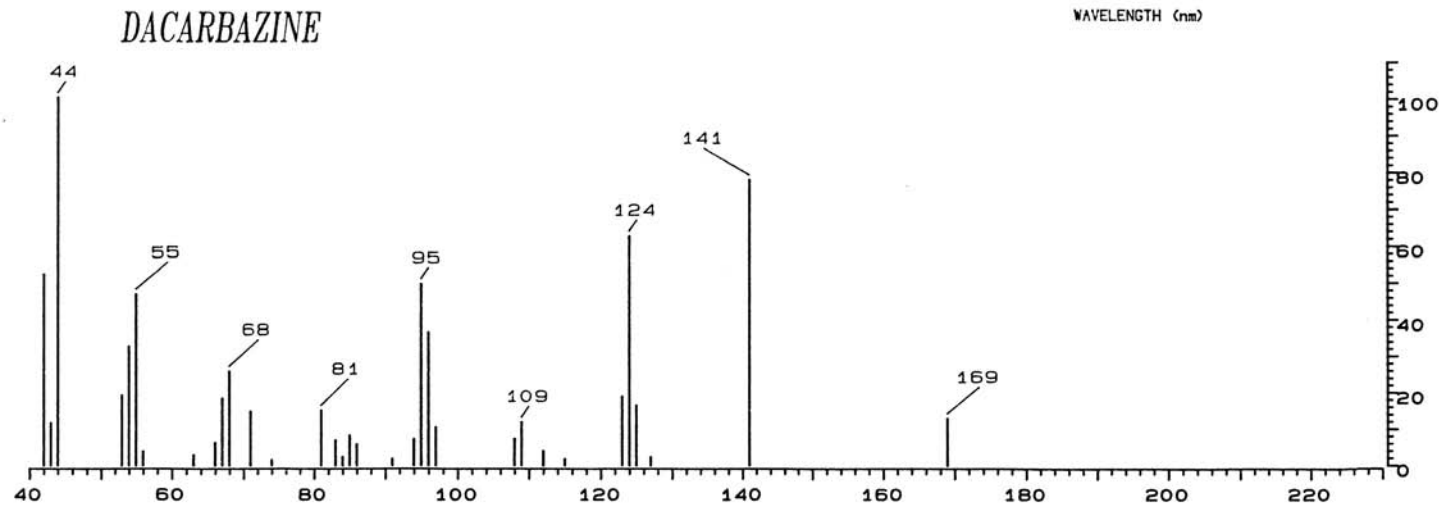
Molecular weight: 182.18 (182.09)
Synonyms: 5-(3,3-Dimethyl-1-triazenyl)-1H-imidazole-4-carboxamide

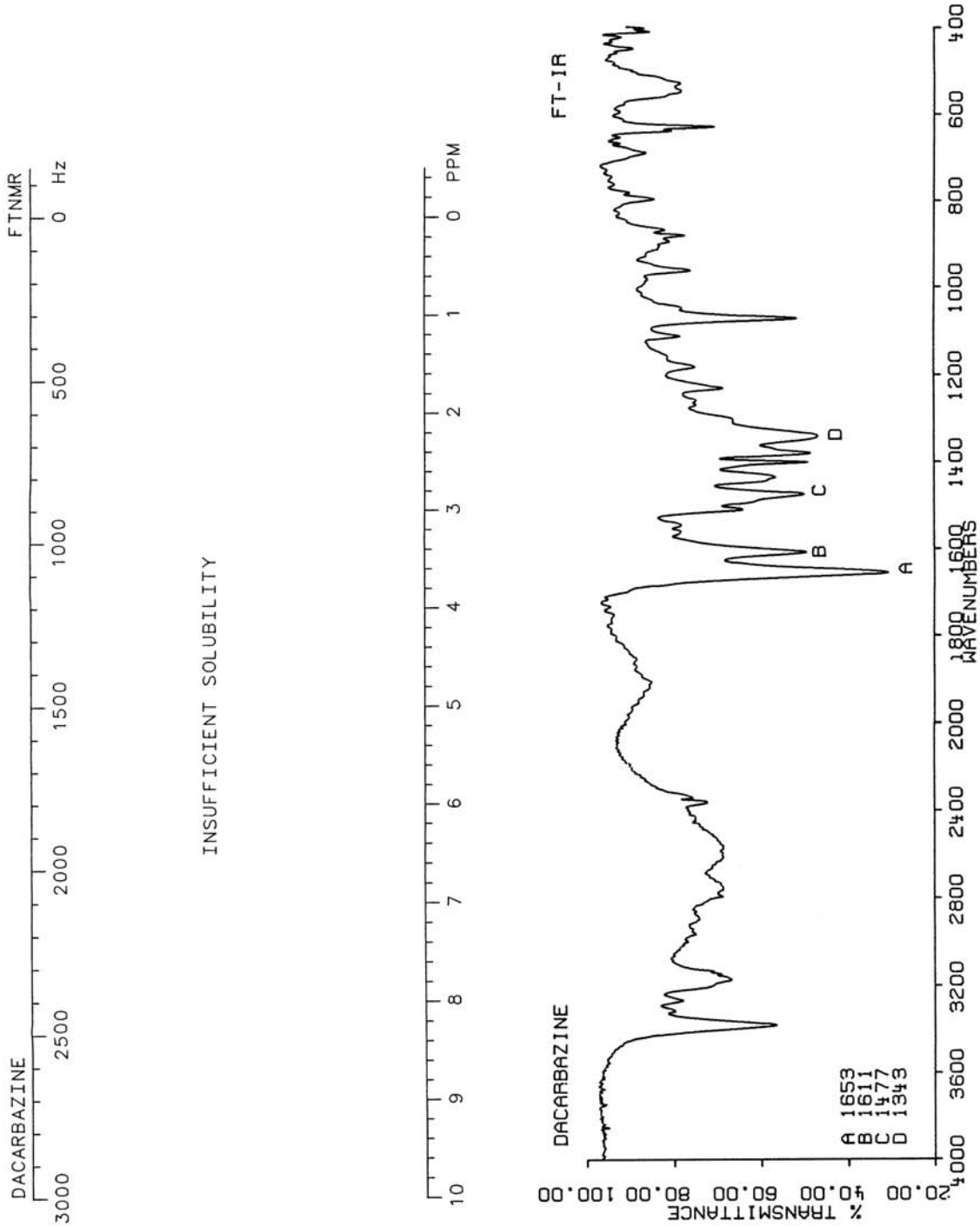
Trade names: DTIC-Dome

Use: Antineoplastic
HPLC: Si-10; 5A:95B; 5.1
GC:







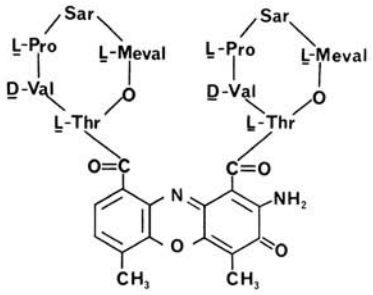

DACARBAZINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
DACARBAZINE
FT-IR
A 1653
B 1611
C 1477
D 1343
% TRANSMITTANCE
WAVENUMBERS
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400

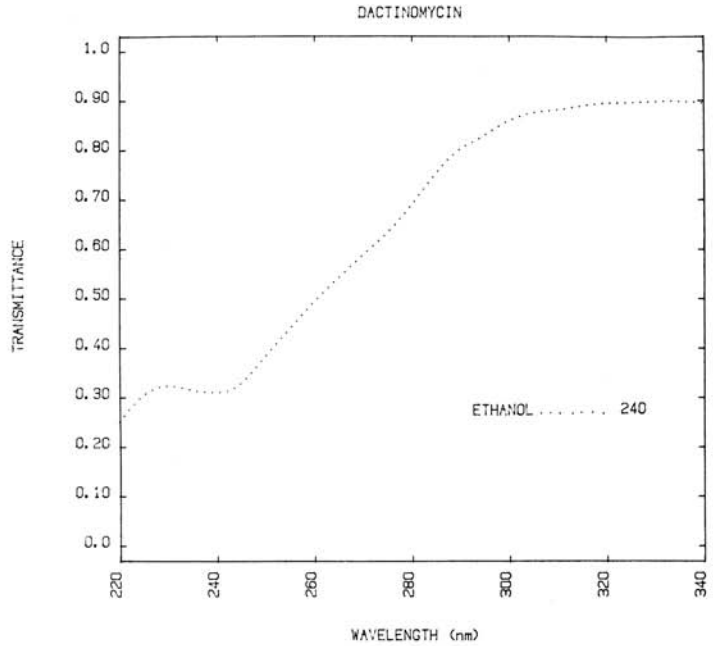
DACTINOMYCIN

$C_{62}H_{86}N_{12}O_{16}$

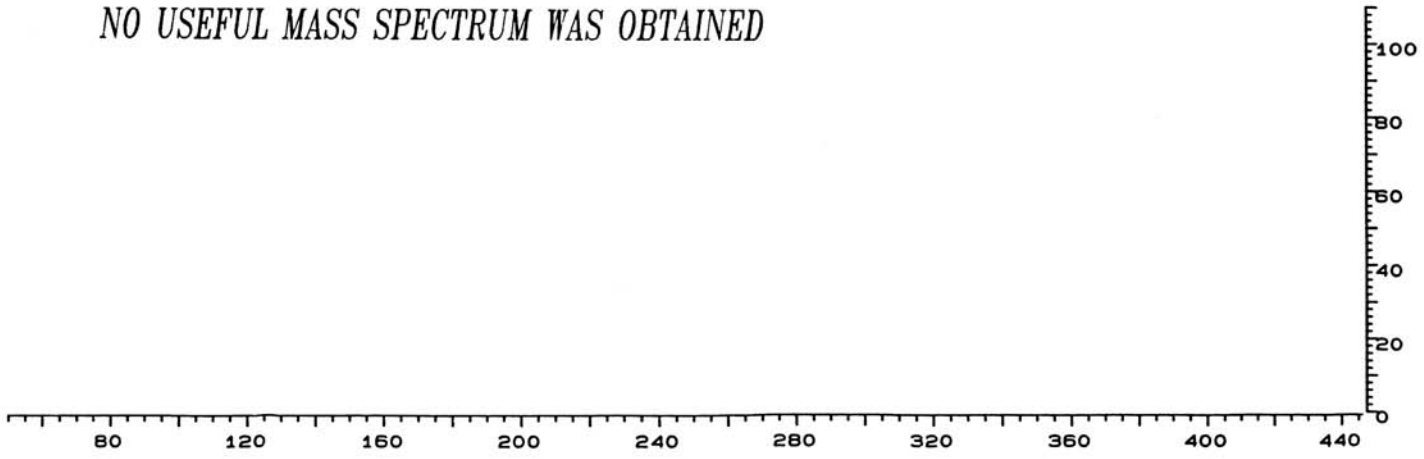
Molecular weight: 1255.45 (1254.63)
Synonyms: Actinomycin D; meractinomycin; actinomycin A; actinomycin- (thre-val-pro-sar-meval)
Trade names: Cosmegen

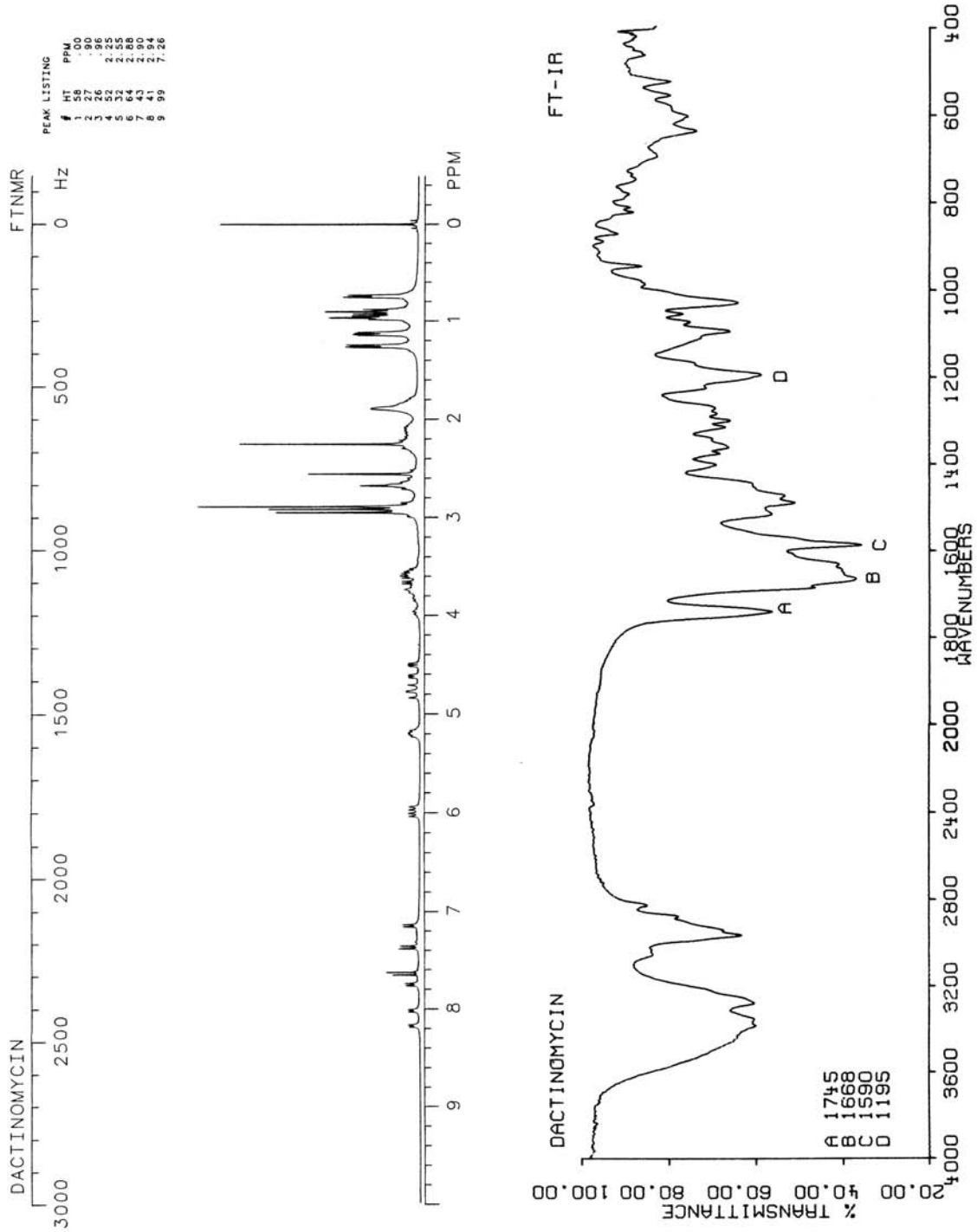
Use: Antineoplastic
HPLC: Si-10; 2A:98B; 5.0
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




DACTINOMYCIN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 58 .00
2 27 .90
3 26 .96
4 52 2.25
5 32 2.55
6 64 2.88
7 43 2.90
8 41 2.94
9 99 7.26
9 8 7 6 5 4 3 2 1 0 PPM
DACTINOMYCIN
FT-IR
A 1745
B 1668
C 1590
D 1195
A
B C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

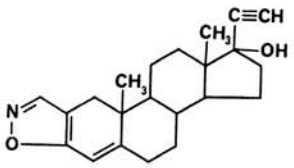
DANAZOL

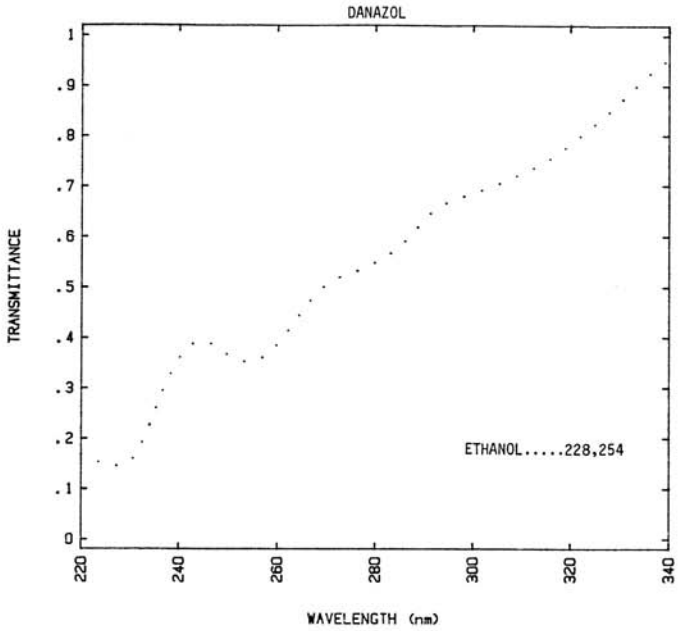
$C_{22}H_{27}NO_2$

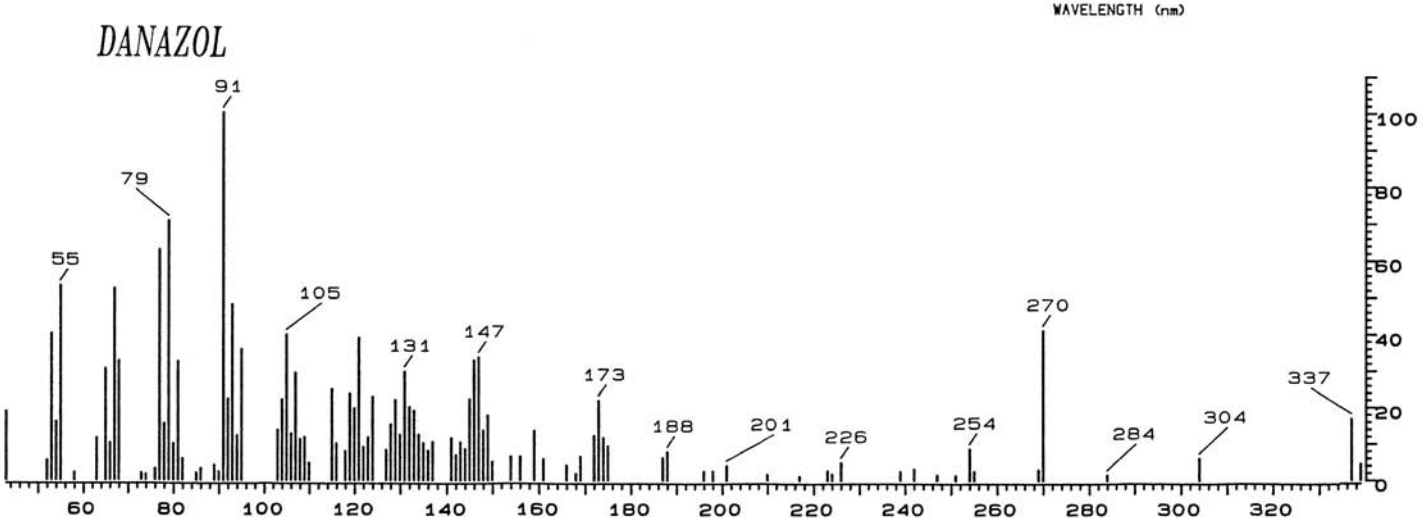
Molecular weight: 337.47 (337.20)
Synonyms: 17α-Pregna-2,4-dien-20-yno[2,3-d]isoxazol-17-ol

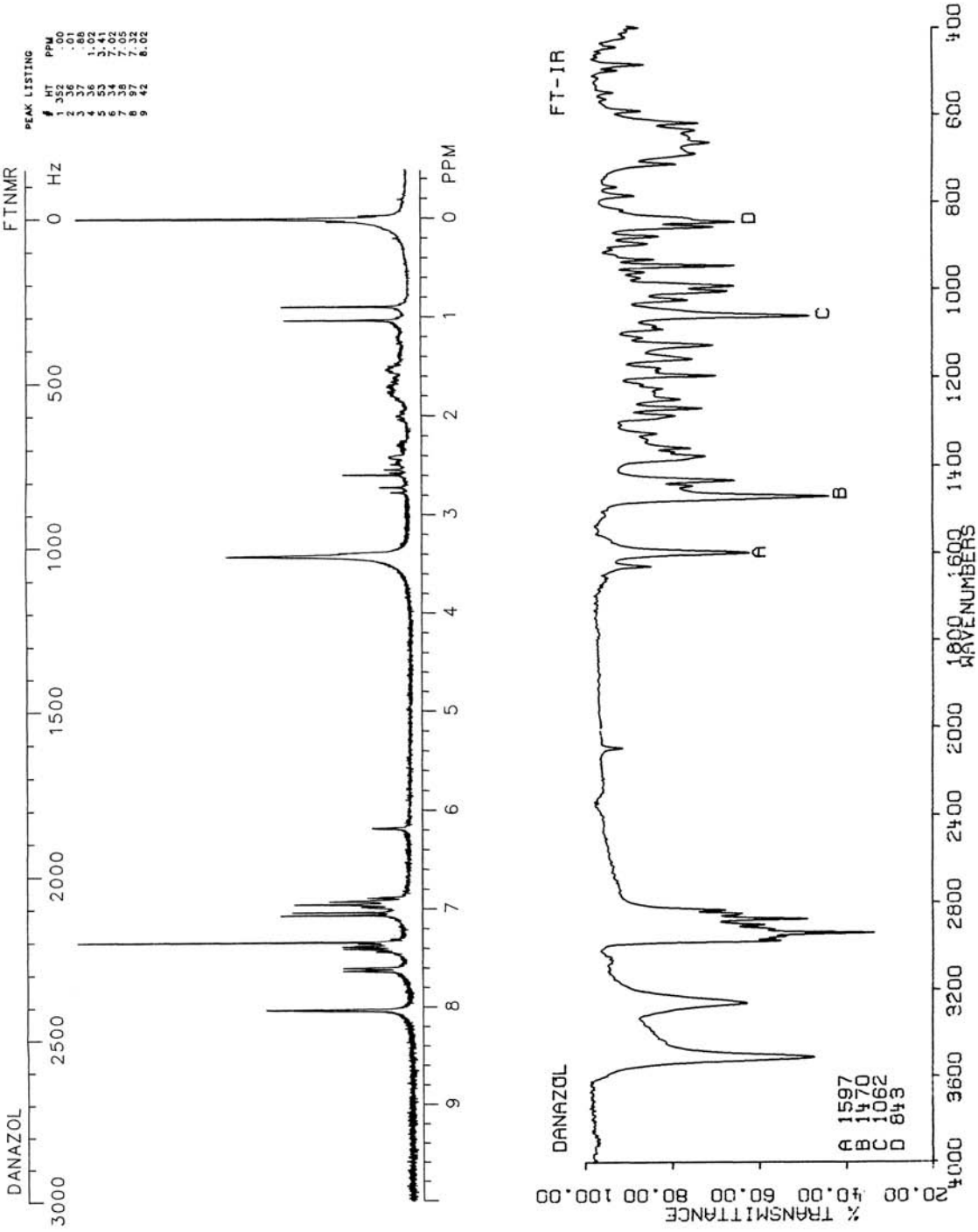
Trade names: Danocrine, Danol

Use: Pituitary suppressant
HPLC: Si-10; 10A:90B; 5.5
GC: 3126; 280°C







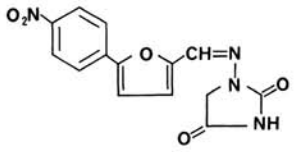

DANAZOL
FTNMR
PEAK LISTING
HT PPM
1 352 7.60
2 36 .01
3 37 .88
4 36 1.02
5 53 3.41
6 34 7.05
7 38 7.32
8 97 8.02
9 42
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
DANAZOL
FT-IR
A 1597
B 1470
C 1062
D 843
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

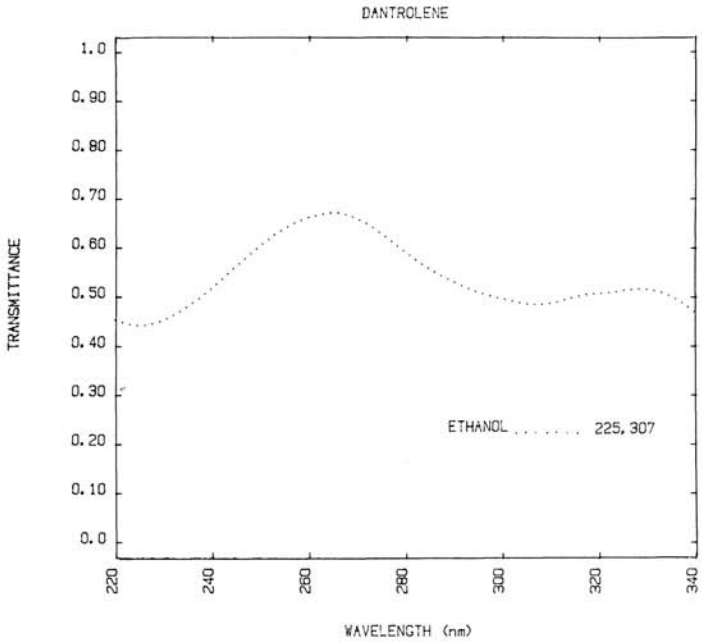
DANTROLENE

$C_{14}H_{10}N_4O_5$

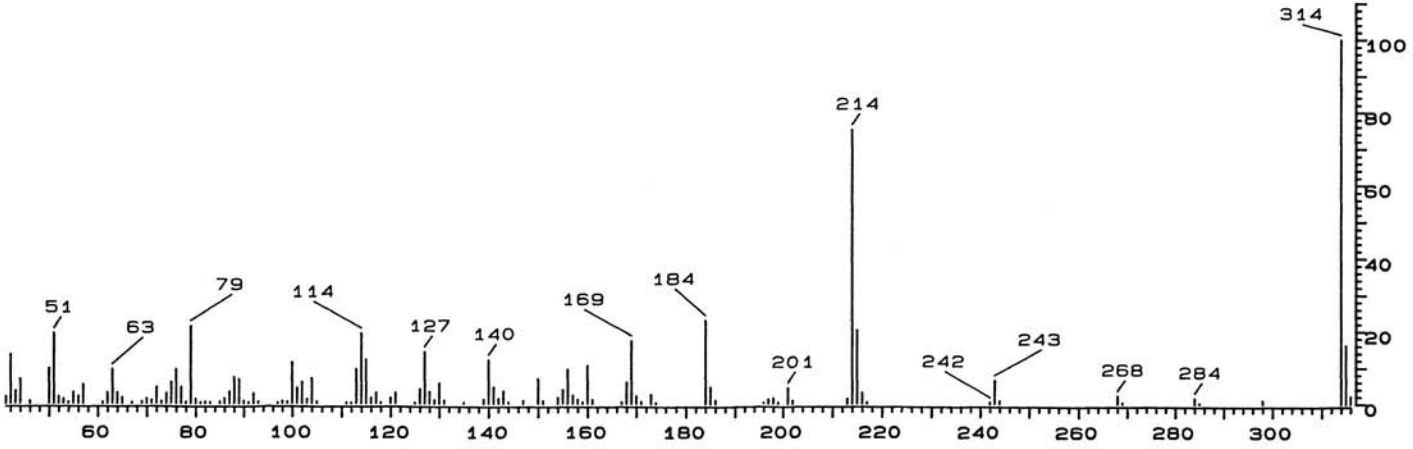
Molecular weight: (314.26)
Synonyms: 1-[[[5-(4-Nitrophenyl)-2-furanyl]methylene]amino]-
2,4-imidazolidinedione
Trade names: Dantrium

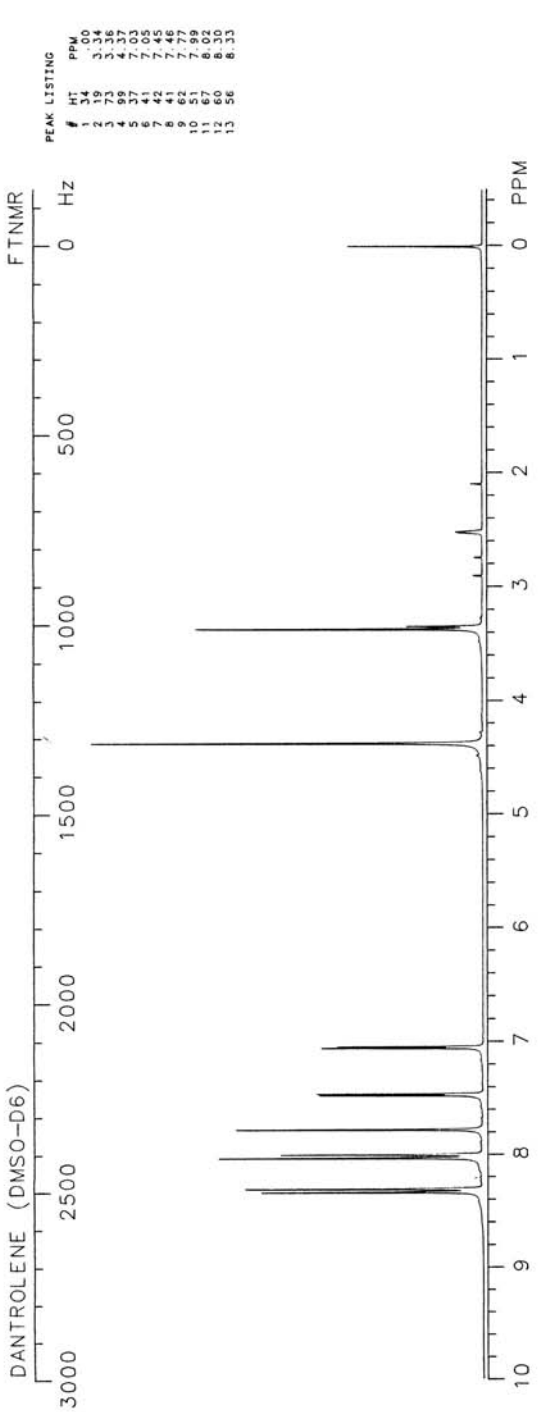
Use: Skeletal muscle relaxant
HPLC: Si-10; 100B; 4.0
GC:

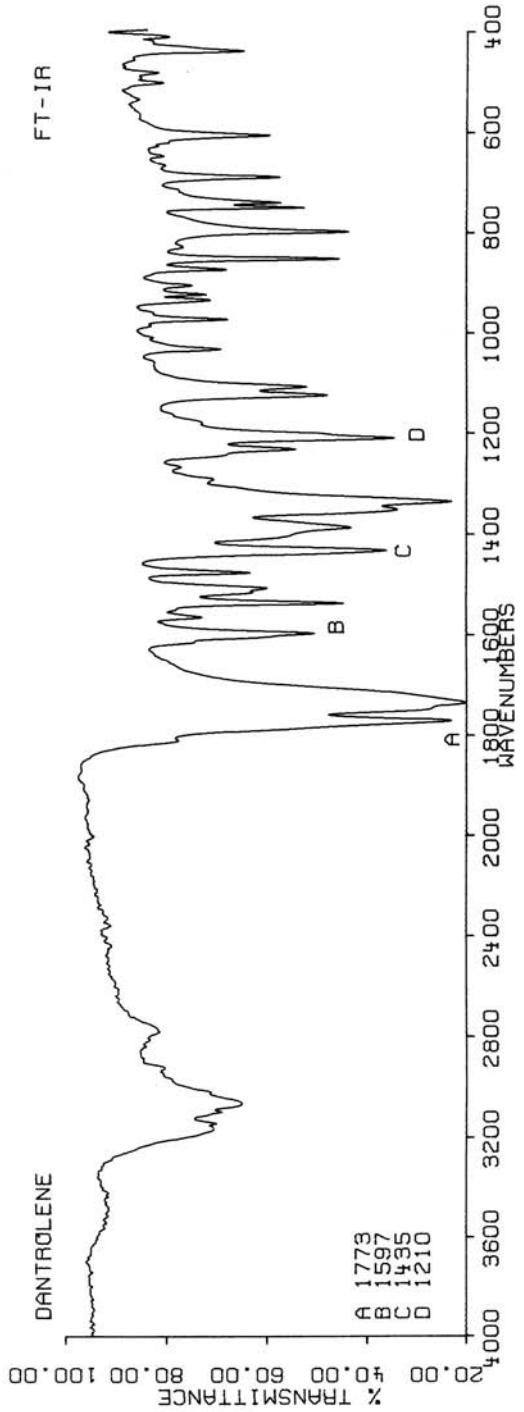




DANTROLENE - - SOLID PROBE




DANTROLENE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 34 .00
2 19 3.34
3 73 3.36
4 99 4.37
5 37 7.03
6 41 7.05
7 42 7.45
8 41 7.46
9 62 7.77
10 51 7.99
11 67 8.02
12 60 8.30
13 56 8.33


DANTROLENE
FT-IR
% TRANSMITTANCE
0.00 20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1773
B 1597
C 1435
D 1210
A
B
C
D

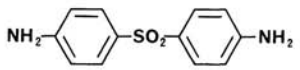
DAPSONE

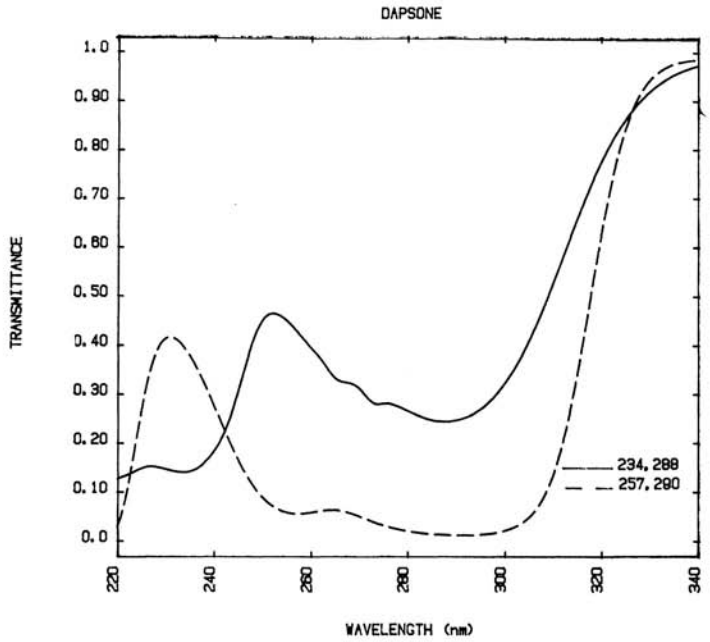
$C_{12}H_{12}N_2O_2S$

Molecular weight: 248.31 (248.06)
Synonyms: 4,4'-Sulfonylbisbenzamine; DDS; diaphenylsulfone; DADPS

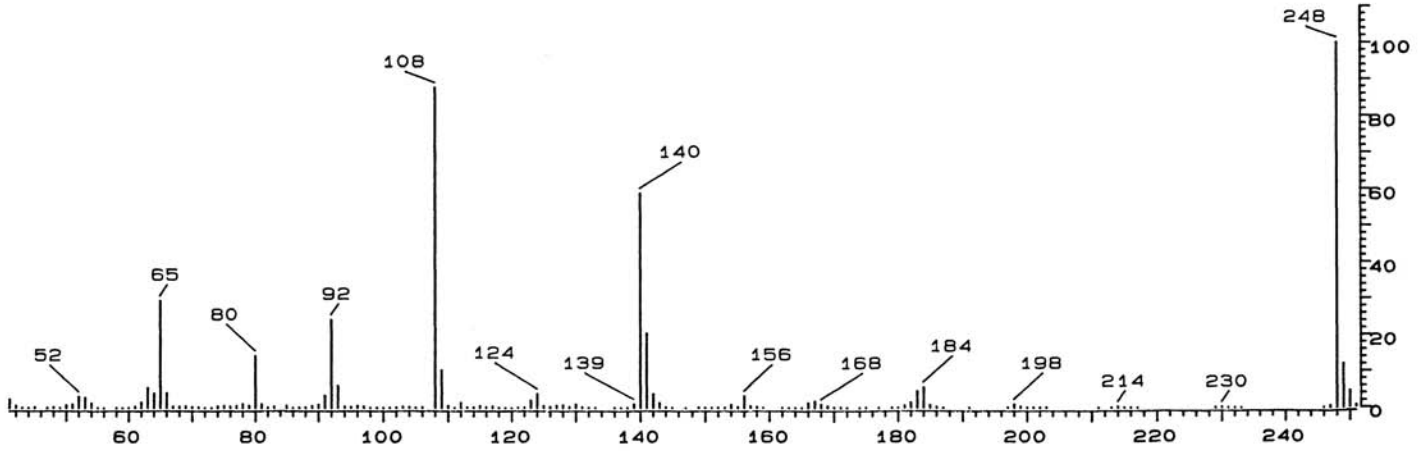
Trade names: Dapsone

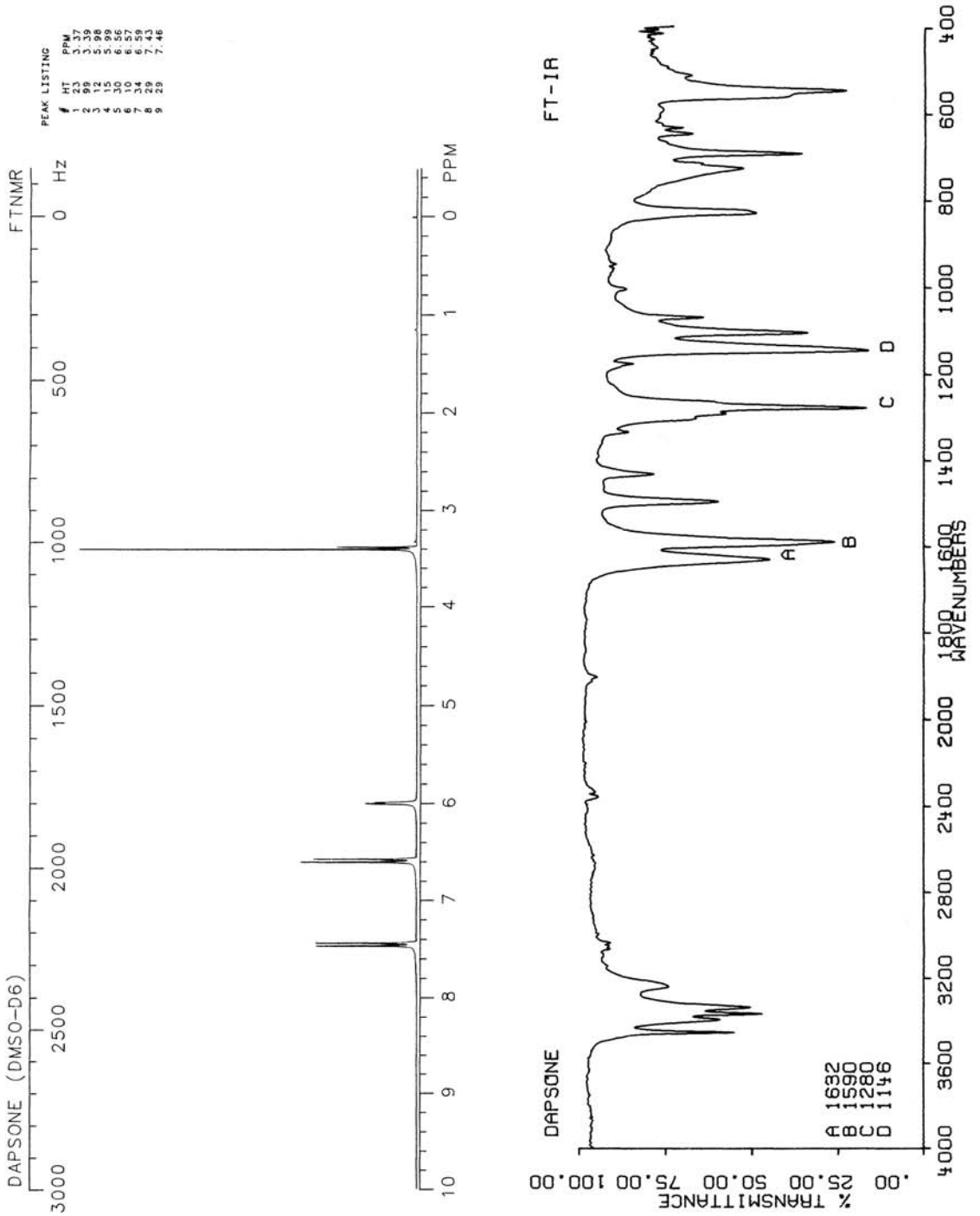
Use: Antibacterial
HPLC: Si-10; 100B; 7.0
GC: 2937; 280°C





DAPSONE--DIP




DAPSONE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 23 3.37
2 99 3.39
3 12 5.98
4 15 5.99
5 30 6.55
6 10 6.57
7 34 6.59
8 29 7.43
9 29 7.46
Hz
PPM
DAPSONE
FT-IR
A 1632
B 1590
C 1280
D 1146
% TRANSMITTANCE
WAVENUMBERS