Instrumental Data for Drug Analysis

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Instrumental Data for Drug Analysis

Third Edition

Volume 2

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Volume 2

Drug Data

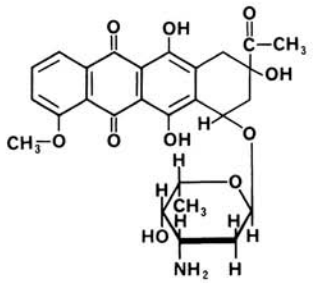
Dauromycin – Indigotin Disulfonate

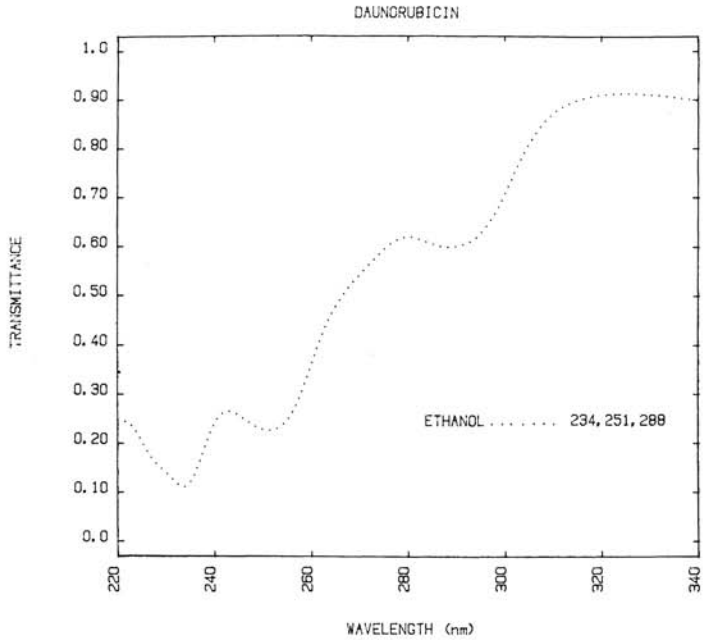
DAUROMYCIN

$C_{27}H_{29}NO_{10}$

Molecular weight: 527.53 (5427.18)
Synonyms: (8S-cis)-8-Acetyl-10-[(3-amino-2,3,6-trideoxy-α-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacenedione; daunorubicin; rubidomycin
Trade names: Cerubidine

Use: Antineoplastic
HPLC: Si-10; 10A:90B; 4.0
GC:





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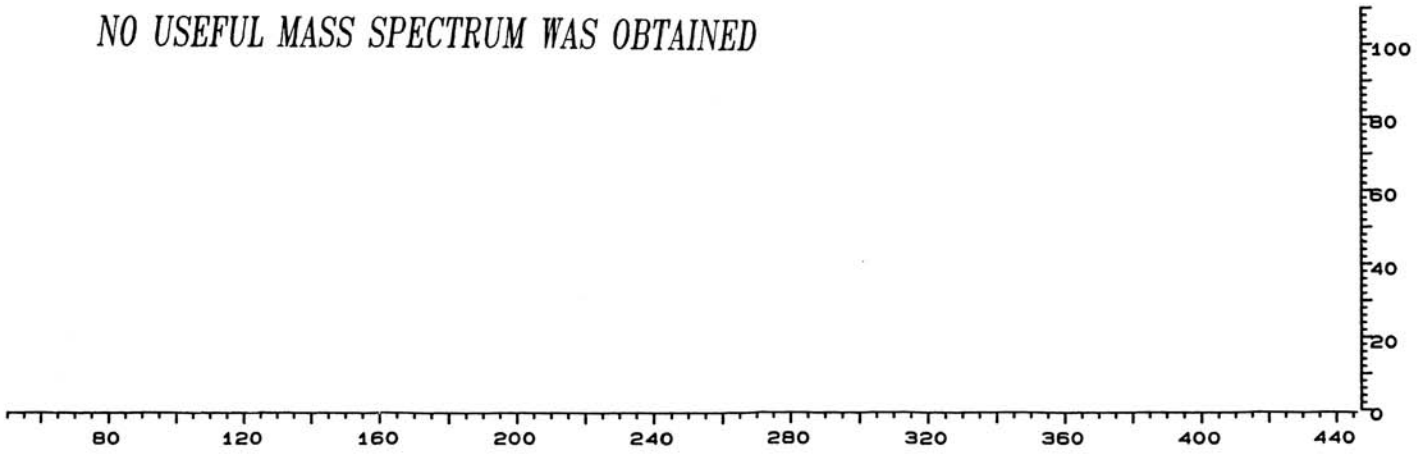
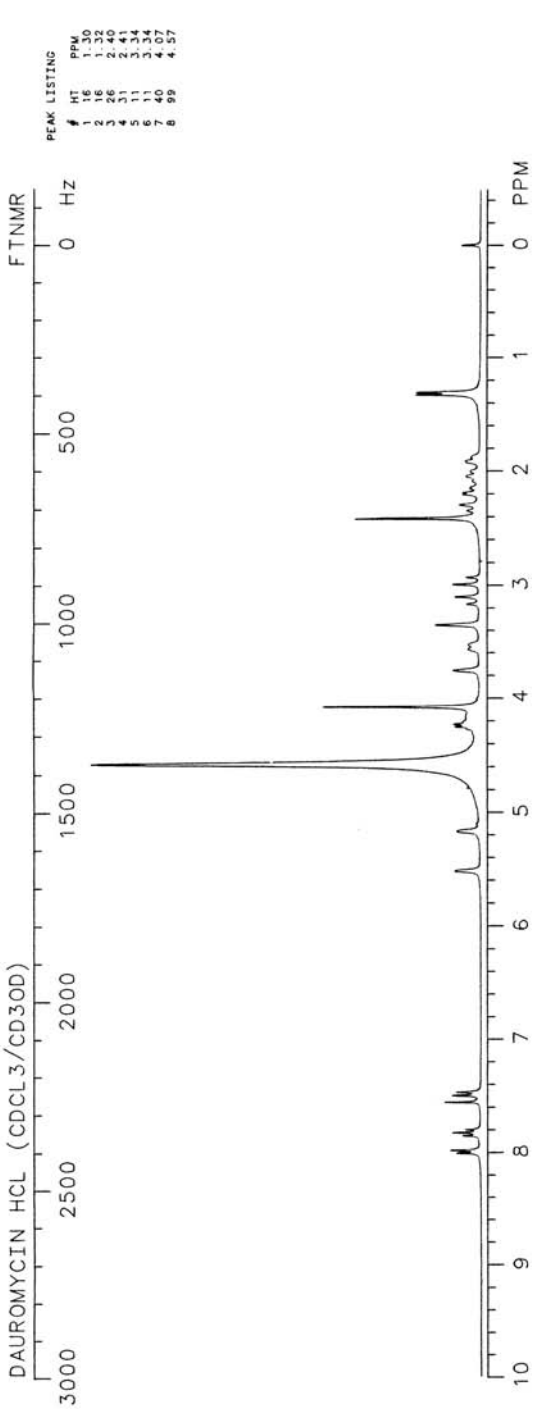
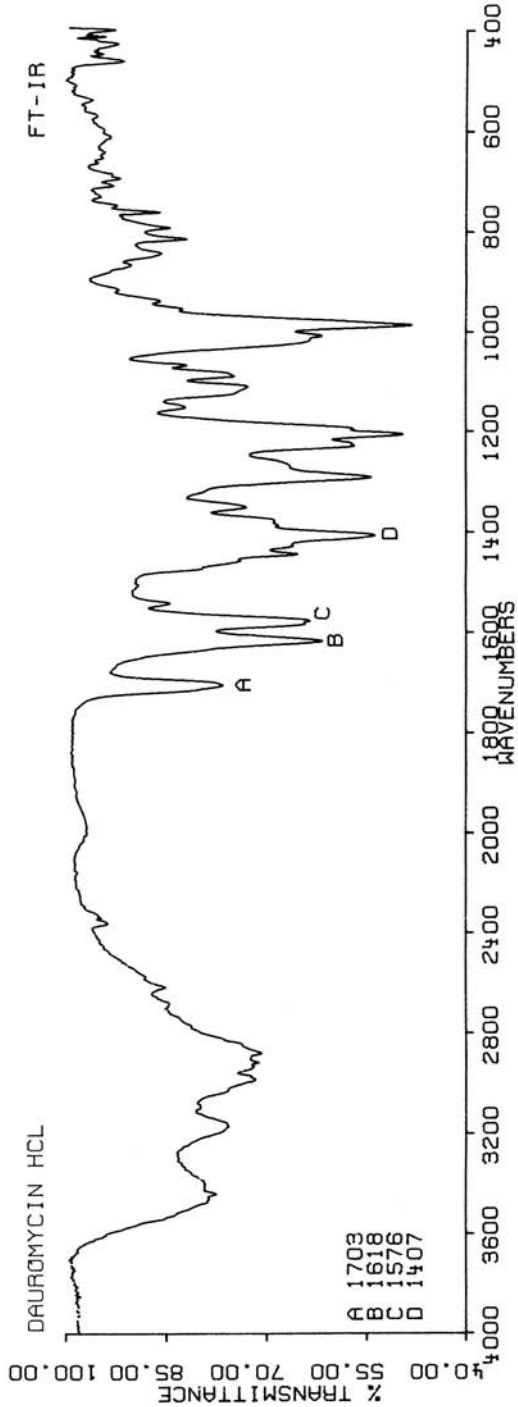



DAUROMYCIN HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 16 1.30
2 16 1.32
3 26 2.40
4 11 2.41
5 11 3.34
6 11 3.34
7 40 4.07
8 99 4.57
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
DAUROMYCIN HCL
A 1703
B 1618
C 1576
D 1407
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
40.00 55.00 70.00 85.00 100.00
% TRANSMITTANCE

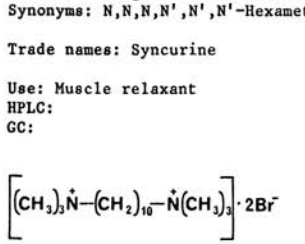
DECAMETHONIUM BROMIDE

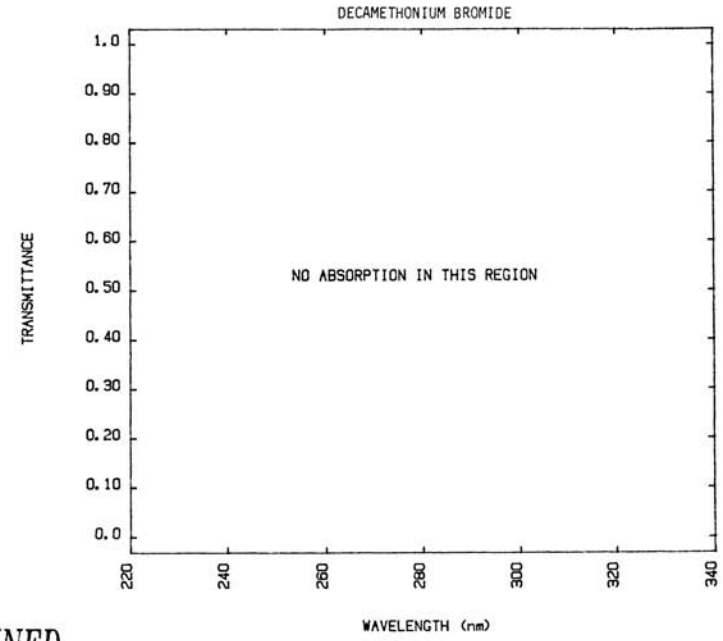
$C_{16}H_{38}Br_2N_2$

Molecular weight: 418.36 (416.14)
Synonyms: N,N,N,N',N',N'-Hexamethyl-1,10-decanediaminium dibromide

Trade names: Syncurine

Use: Muscle relaxant
HPLC:
GC:





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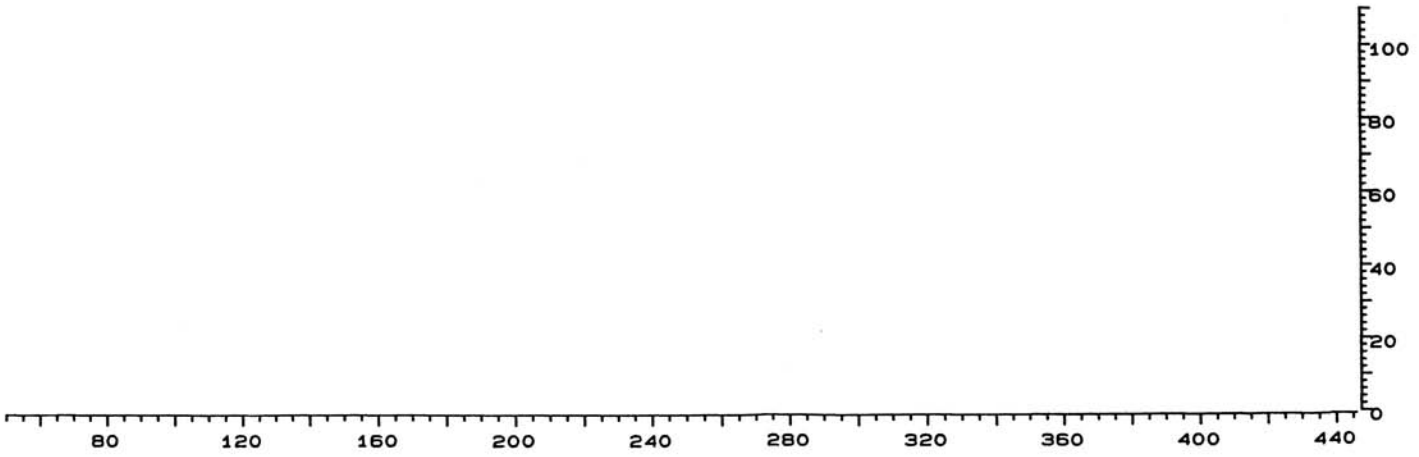
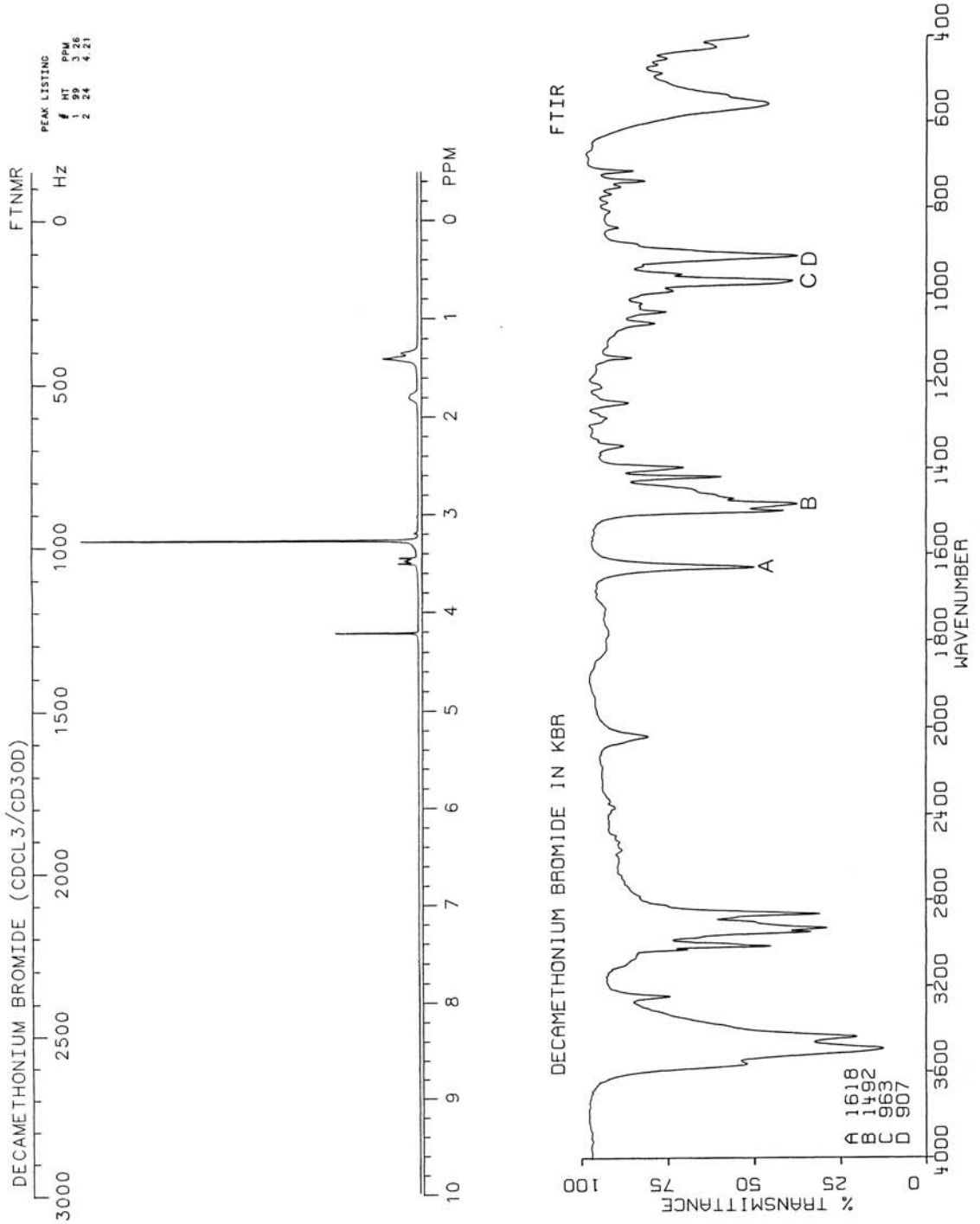


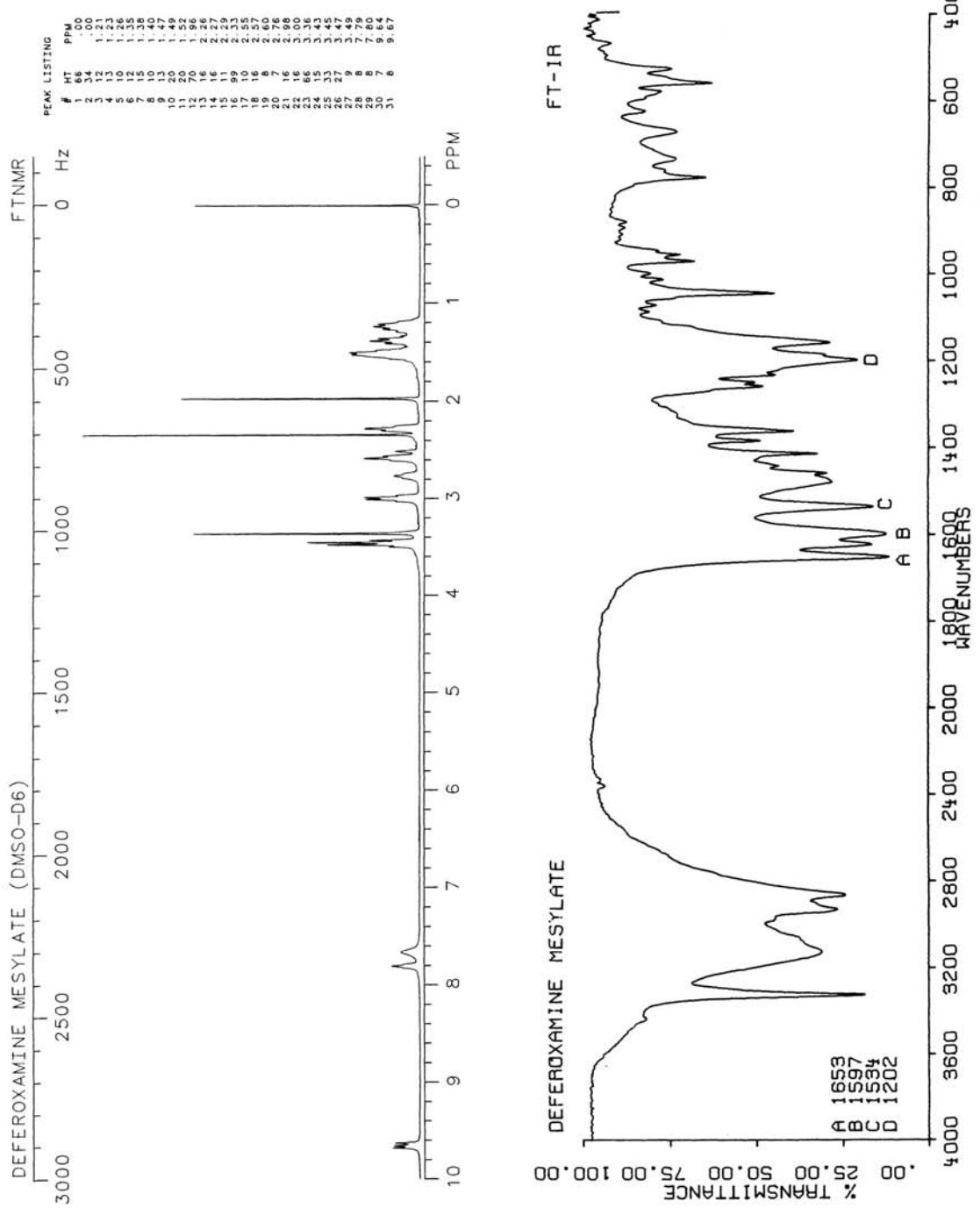

DECAMETHONIUM BROMIDE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 3.26
2 24 4.21
10 9 8 7 6 5 4 3 2 1 0 PPM
DECAMETHONIUM BROMIDE IN KBR
FTIR
A 1618
B 1492
C 963
D 907
A
B
C D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

DEFEROXAMINE

$C_{25}H_{48}N_6O_8$

Molecular weight: 560.70 (560.35)
Synonyms: N'-[5-[[4-[[5-(Acetylhydroxamino)pentyl]amino]-1,4-dioxobutyl]hydroxyamino]pentyl]-N-(5-aminopentyl)-N-hydroxybutanediamide
Trade names: Desferal

Use: Chelating agent
HPLC:
GC:

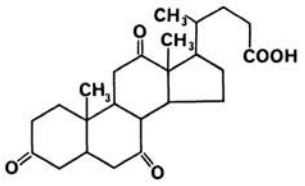

DEFEROXAMINE MESYLATE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 66 .00
2 34 .00
3 12 1.21
4 13 1.23
5 10 1.26
6 12 1.35
7 15 1.38
8 10 1.40
9 13 1.47
10 20 1.49
11 20 1.52
12 20 1.96
13 16 2.26
14 16 2.27
15 11 2.29
16 99 2.33
17 10 2.55
18 16 2.57
19 8 2.60
20 7 2.76
21 16 2.98
22 16 3.00
23 66 3.36
24 15 3.43
25 33 3.45
26 27 3.47
27 9 3.49
28 8 7.79
29 8 7.80
30 7 9.64
31 8 9.67
DEFEROXAMINE MESYLATE
FT-IR
A 1653
B 1597
C 1534
D 1202
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

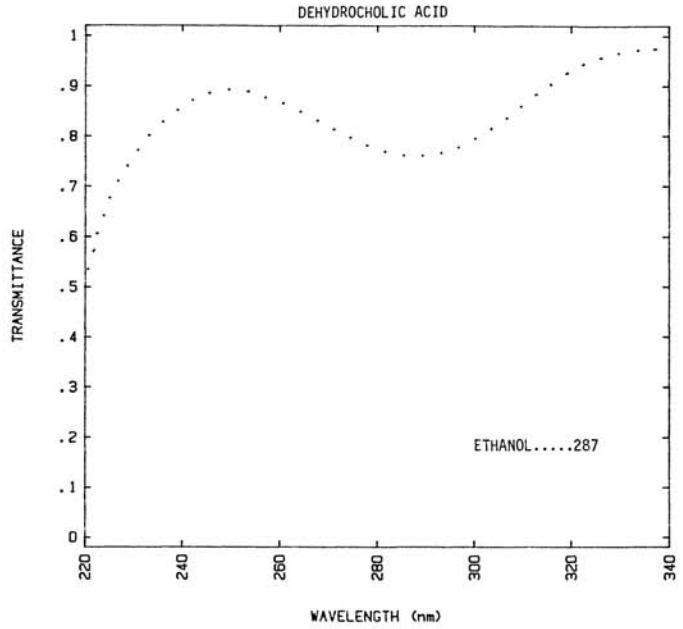
DEHYDROCHOLIC ACID

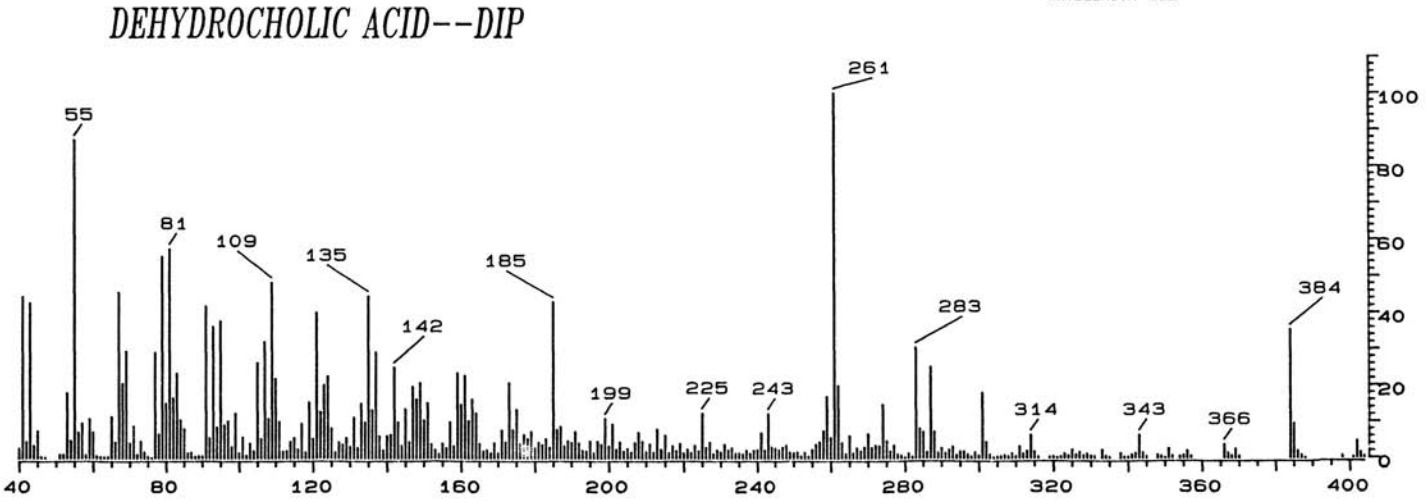
$C_{24}H_{34}O_5$

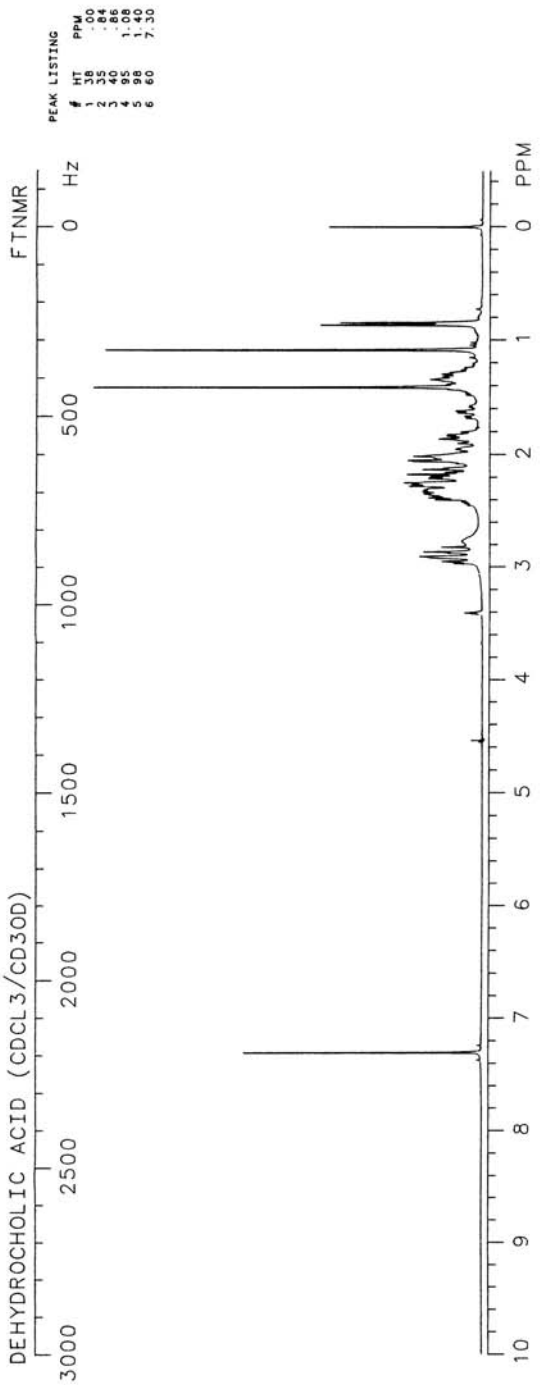
Molecular weight: 402.51 (402.24)
Synonyms: 3,7,12-Trioxo-5β-cholan-24-oic acid; 3,7,12-triketocholanic acid
Trade names: Bilax, Decholin, Neolax, Trilax

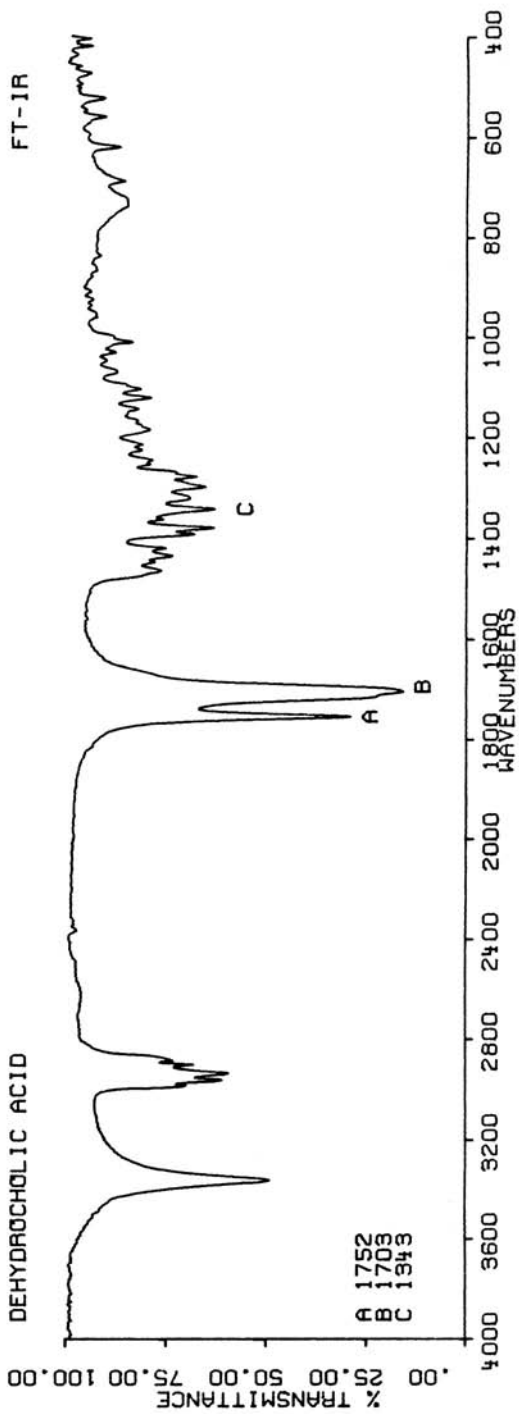
Use: Choleretic
HPLC:
GC:








DEHYDROCHOLIC ACID (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 38 .00
2 35 .84
3 40 1.06
4 95 1.20
5 98 1.40
6 60 7.30
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


DEHYDROCHOLIC ACID
FT-IR
A 1752
B 1703
C 1343
A
B
C
% 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

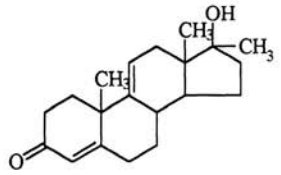
DEHYDRO-17-METHYLTESTOSTERONE

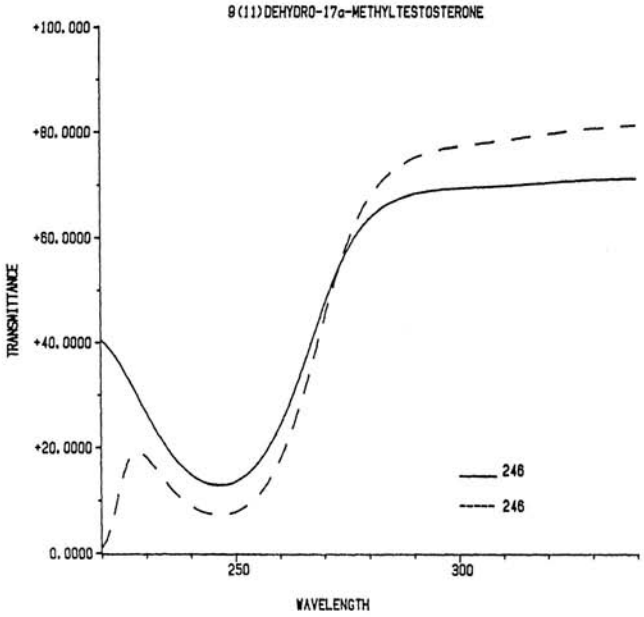
$C_{20}H_{28}O_2$

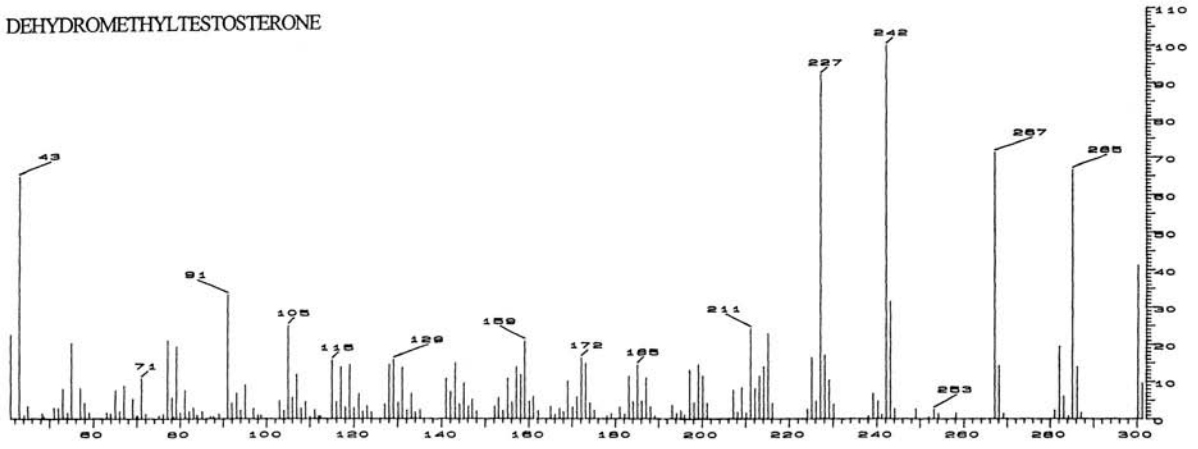
Molecular Weight: 300.44 (300.21)

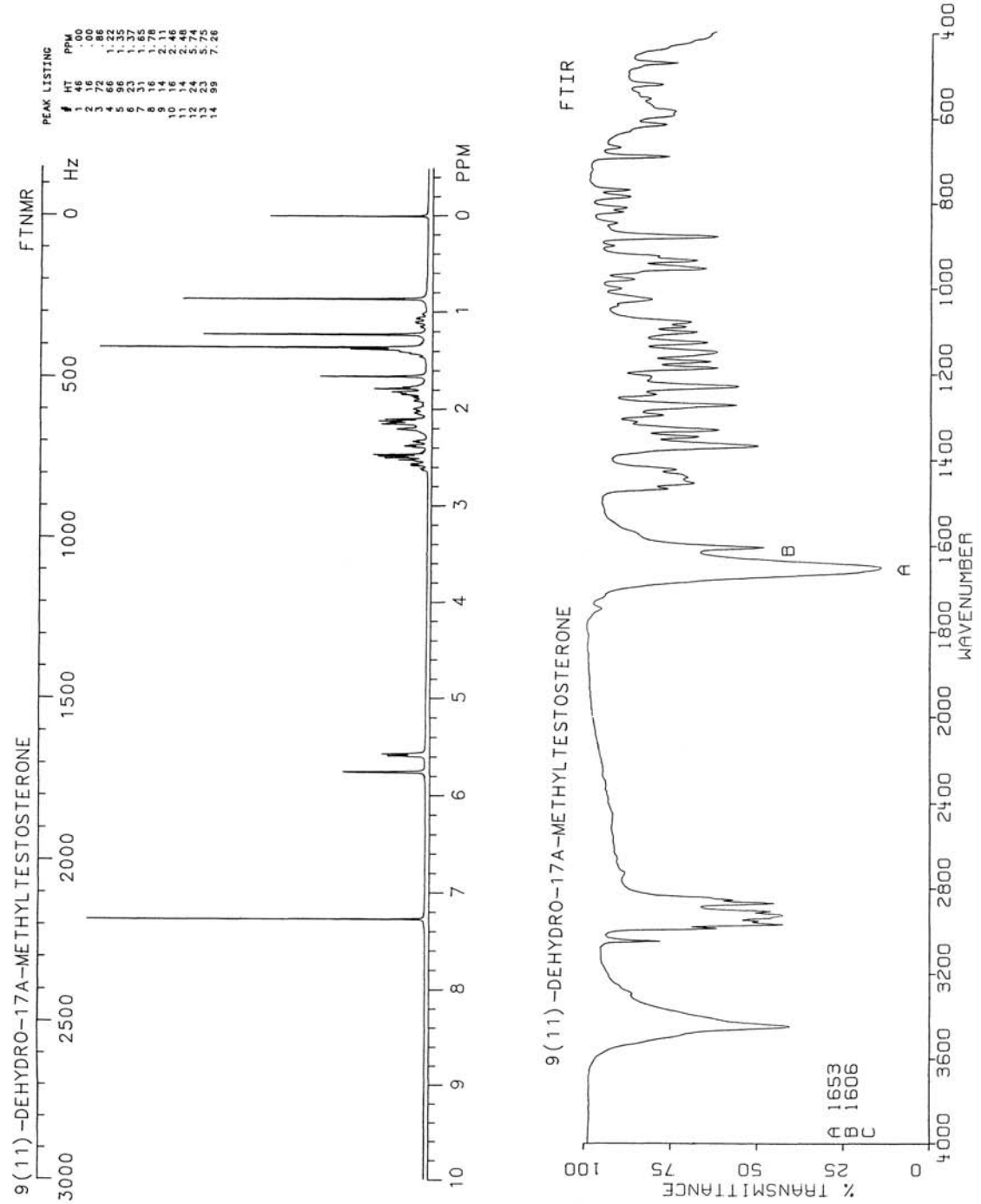
Synonyms: 17β-Hydroxy-17α-methyl-4,9[11]-androstadien-3-one
Trade Names:
Use:

HPLC: Methanol: 2.9
GC: 2643; 280°








9(11)-DEHYDRO-17A-METHYLTESTOSTERONE
FTNMR
PEAK LISTING
HT PPM
1 46 .00
2 16 .00
3 72 .86
4 66 1.22
5 96 1.35
6 23 1.37
7 31 1.65
8 16 1.76
9 14 2.11
10 16 2.46
11 14 2.48
12 24 5.74
13 23 5.75
14 99 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
9(11)-DEHYDRO-17A-METHYLTESTOSTERONE
FTIR
A 1653
B 1606
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B

DELORAZEPAM

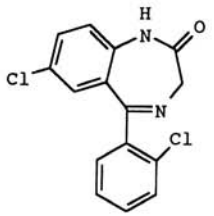
$C_{15}H_{10}Cl_2N_2O$

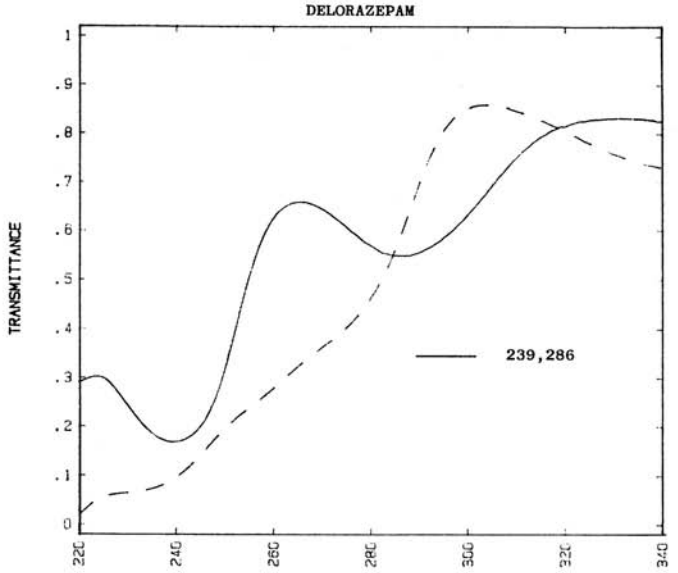
Molecular weight: 305.16 (304.02)

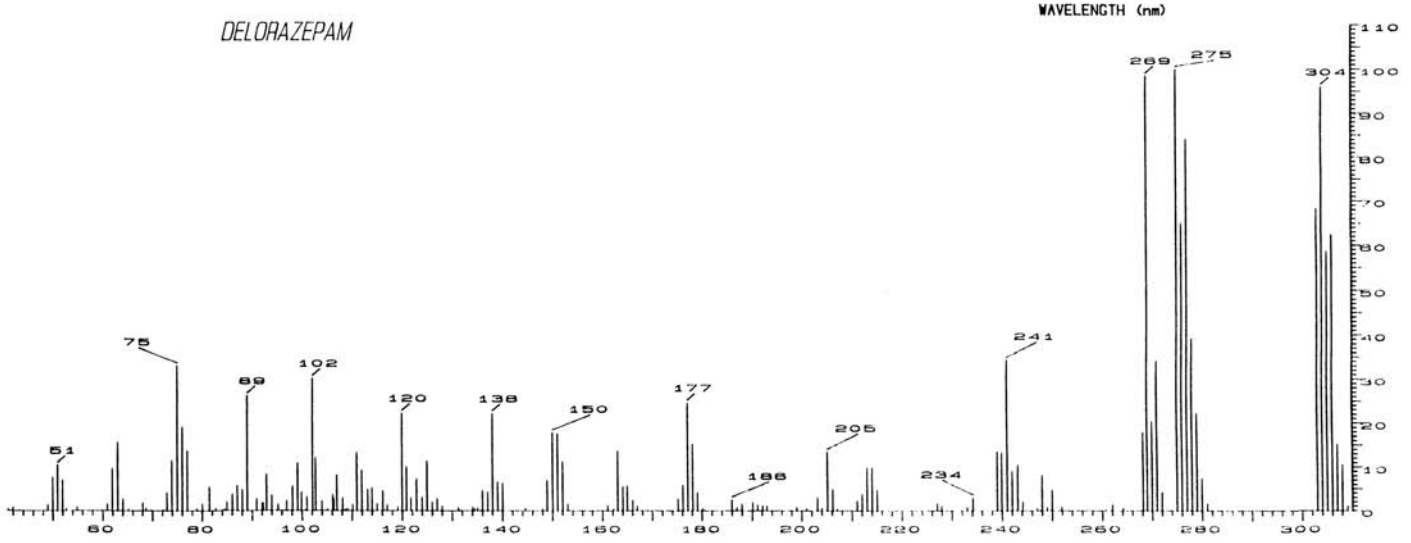
Synonyms: 7-Chloro-5-[o-chlorophenyl]-1,3-dihydro-2H-1, 4-benzodiazepin-2-one

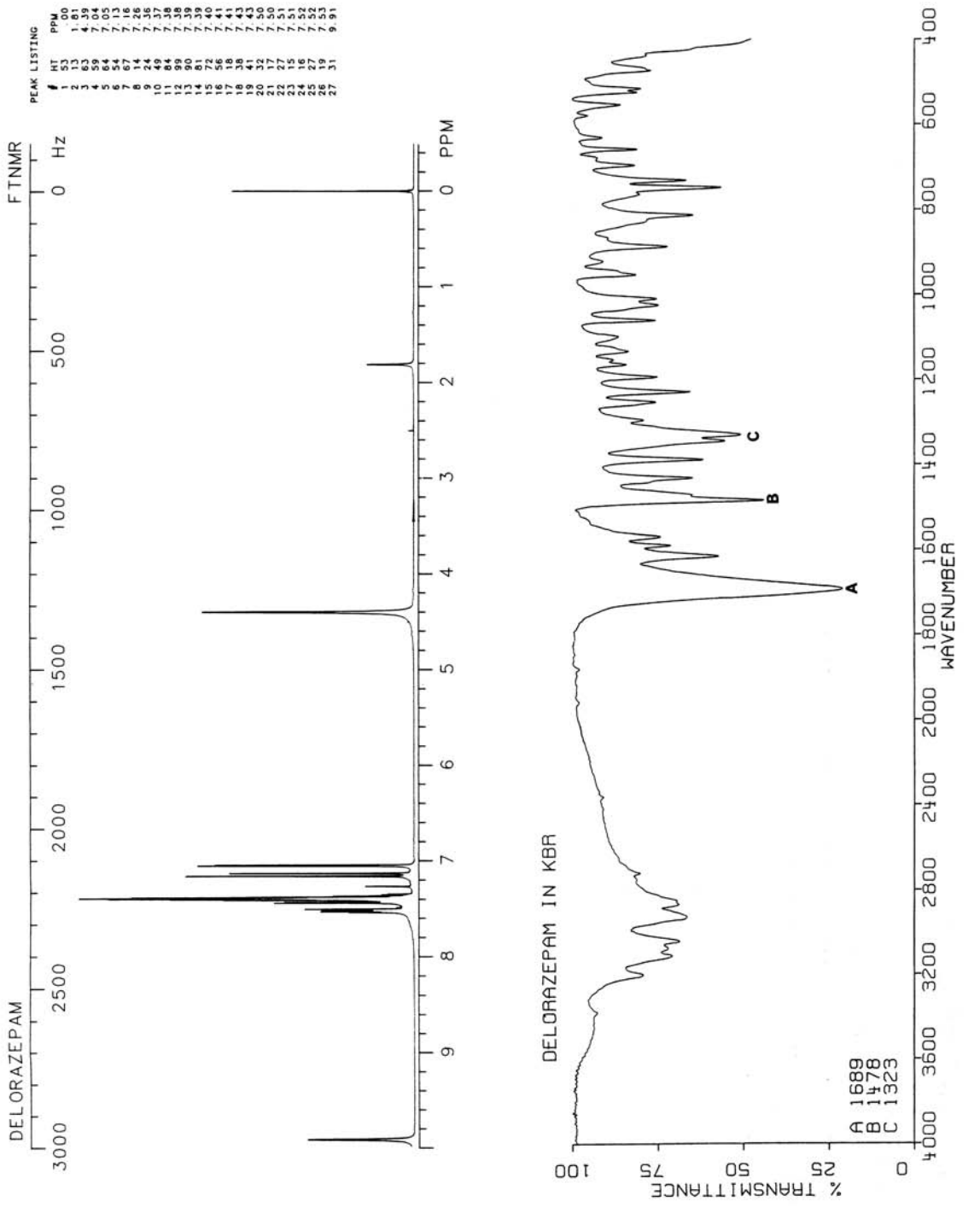
Trade names:

Use: Tranquilizer
HPLC: 70A:30B; 2.6
GC: 2642; 280°







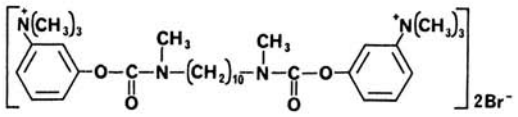

DELORAZEPAM
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 53 00
2 13 1.81
3 63 4.39
4 59 7.04
5 64 7.05
6 54 7.13
7 67 7.16
8 14 7.26
9 24 7.36
10 49 7.37
11 84 7.38
12 89 7.38
13 90 7.39
14 81 7.39
15 72 7.40
16 56 7.41
17 18 7.41
18 38 7.43
19 41 7.43
20 31 7.50
21 17 7.50
22 27 7.51
23 15 7.51
24 16 7.52
25 27 7.52
26 19 7.53
27 31 9.91
DELORAZEPAM 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 1478
C 1323

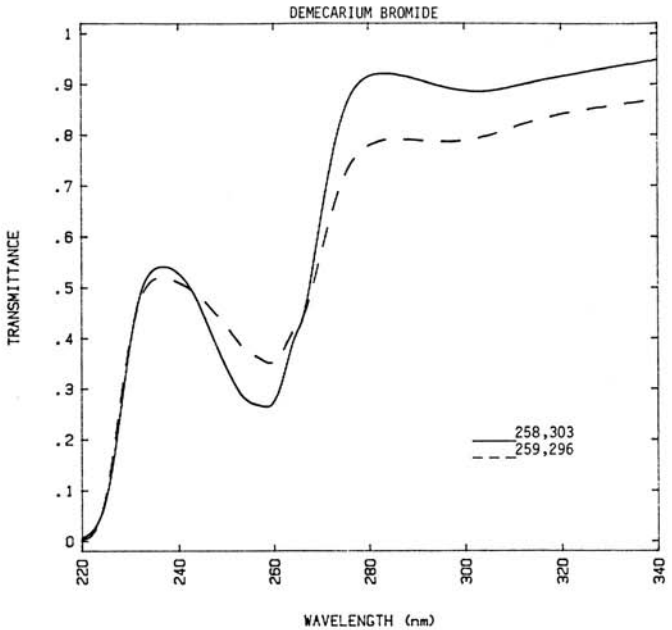
DEMECARIUM BROMIDE

$C_{32}H_{52}Br_2N_4O_4$

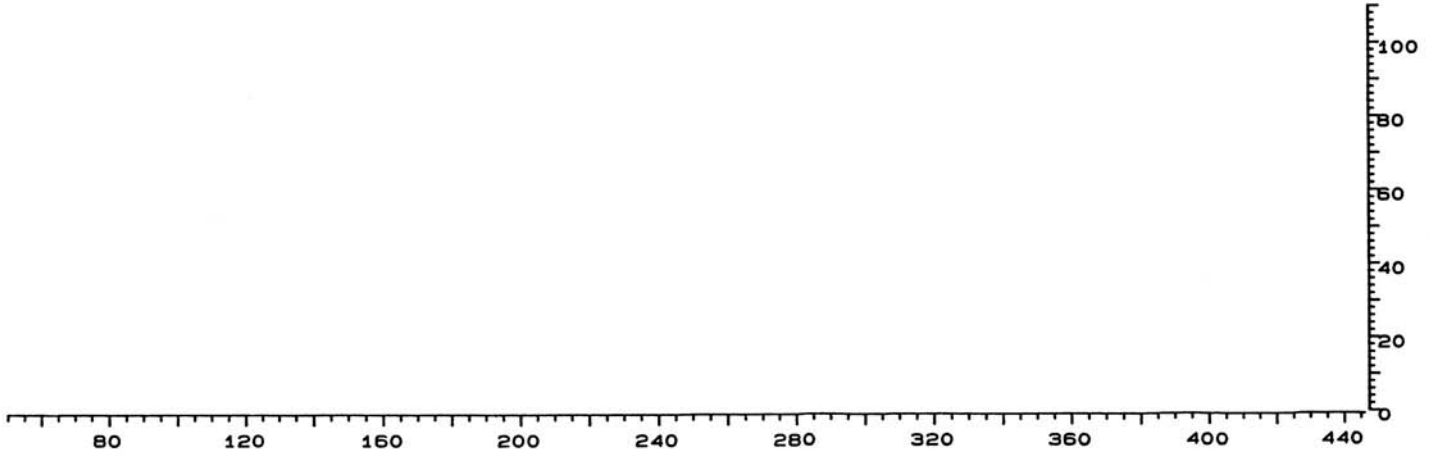
Molecular weight: 716.61 (714.24)
Synonyms: 3,3'-[1,10-Decanediylbis[(methylimino)carbonyloxy]]bis-
[N,N,N-trimethylbenzenaminium]dibromide
Trade names: Humorsol, Tosmilen

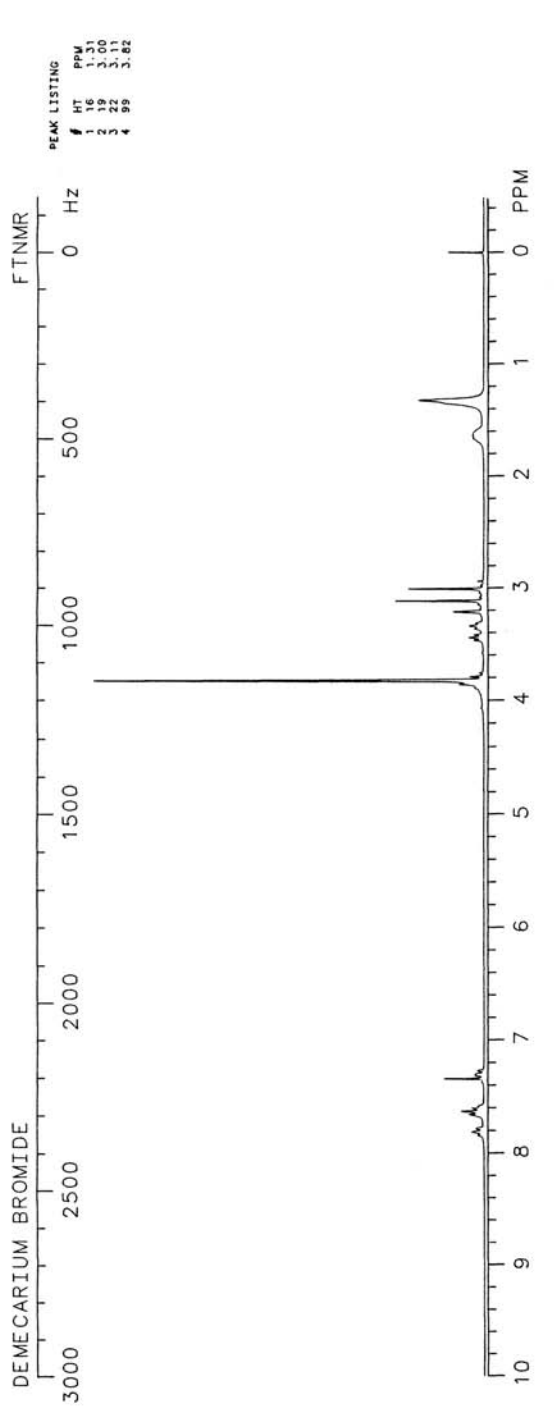
Use: Cholinergic
HPLC:
GC:

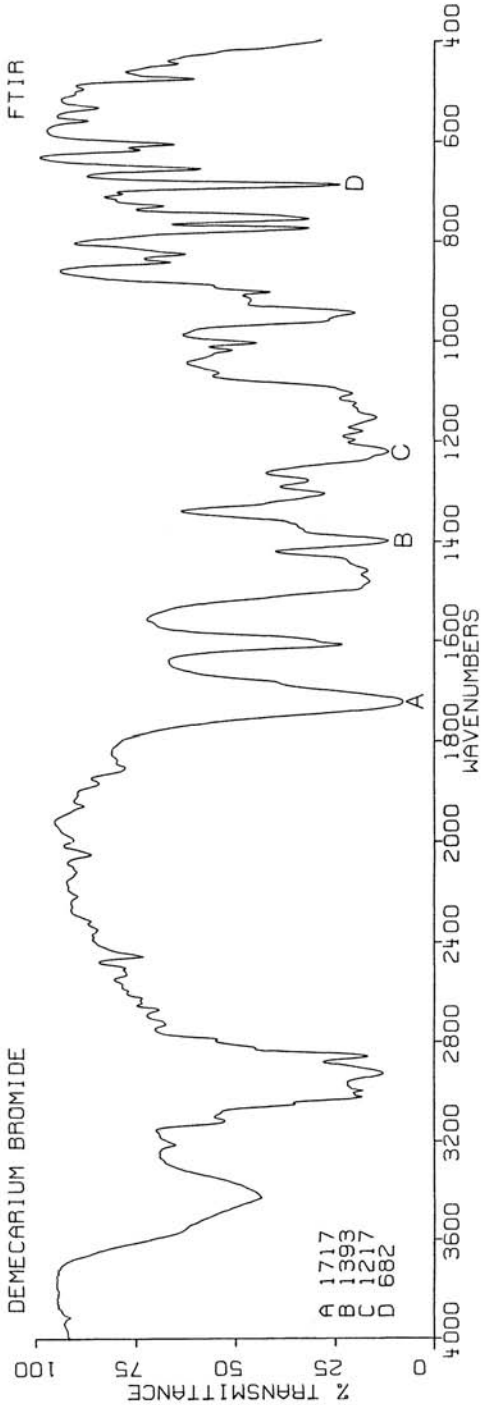




NO USEFUL MASS SPECTRUM WAS OBTAINED




DEMECARIUM BROMIDE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 16 1.31
2 19 3.00
3 22 3.11
4 99 3.82
10
9
8
7
6
5
4
3
2
1
0 PPM

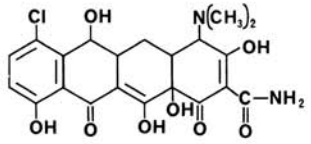

DEMECARIUM BROMIDE
FTIR
A 1717
B 1393
C 1217
D 682
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

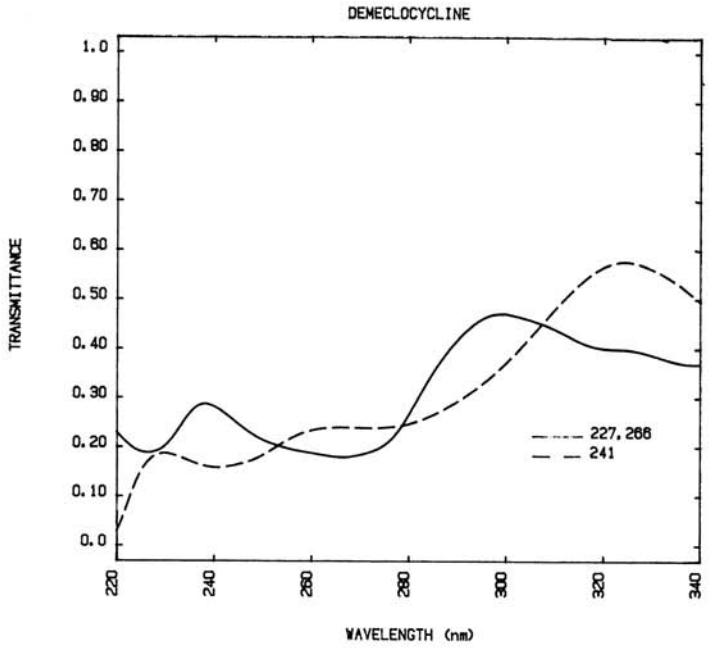
DEMECLOCYCLINE

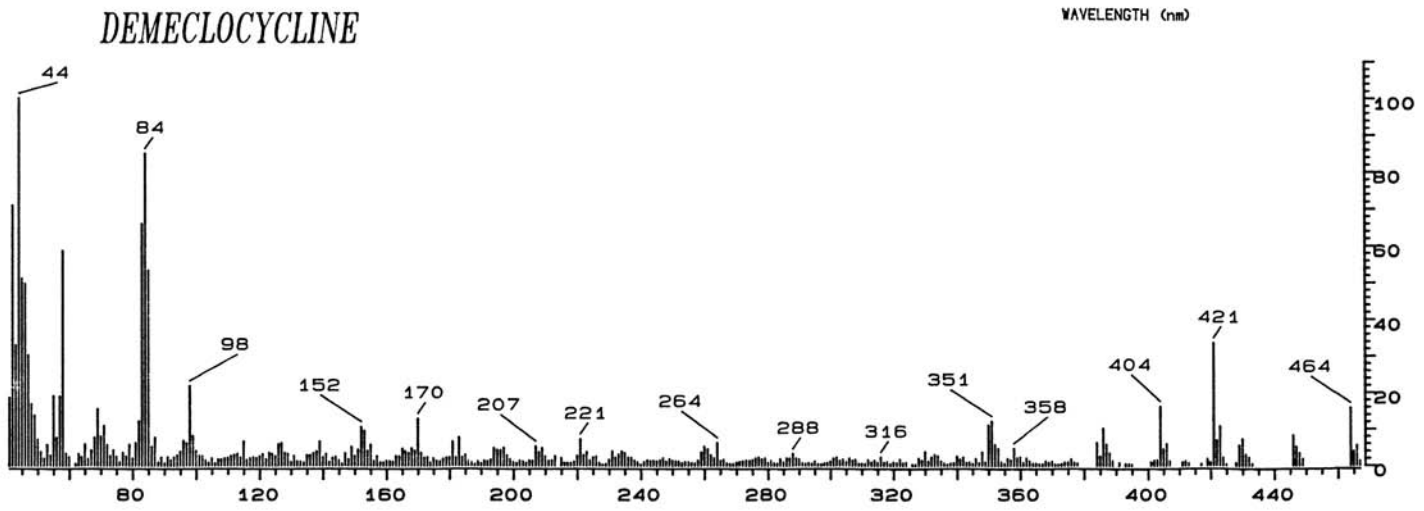
$C_{21}H_{21}ClN_2O_8$

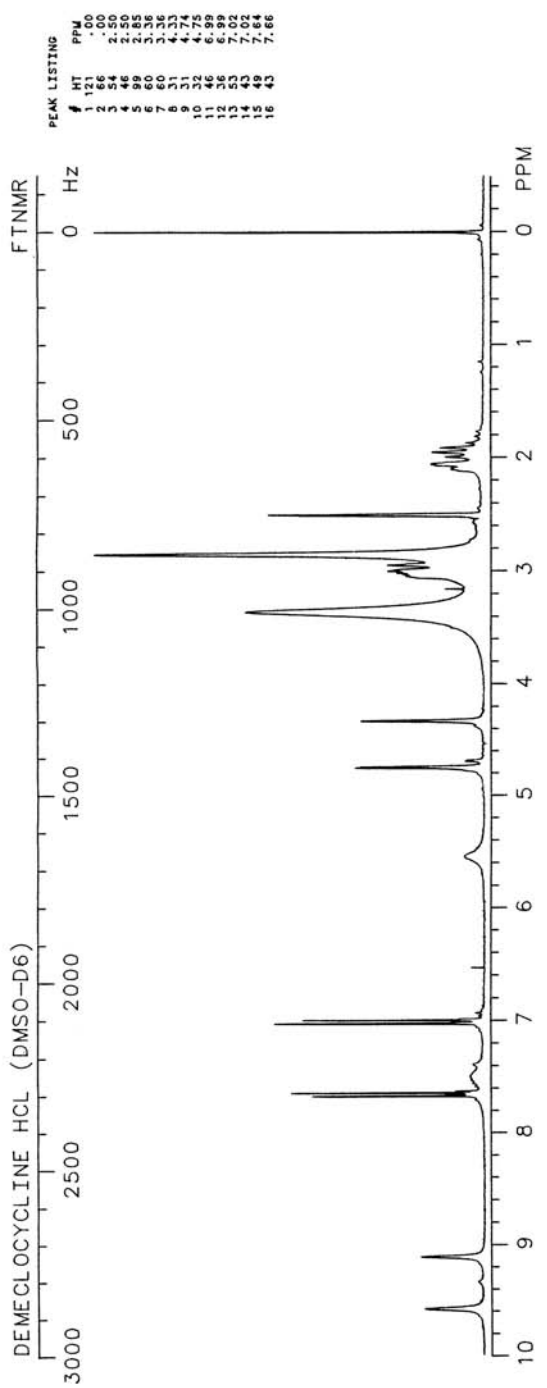
Molecular weight: 464.86 (464.10)
Synonyms: 7-Chloro-4-dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-1,11-dioxo-2-naphthacenecarboxamide
Trade names: Declomycin, Declostatin

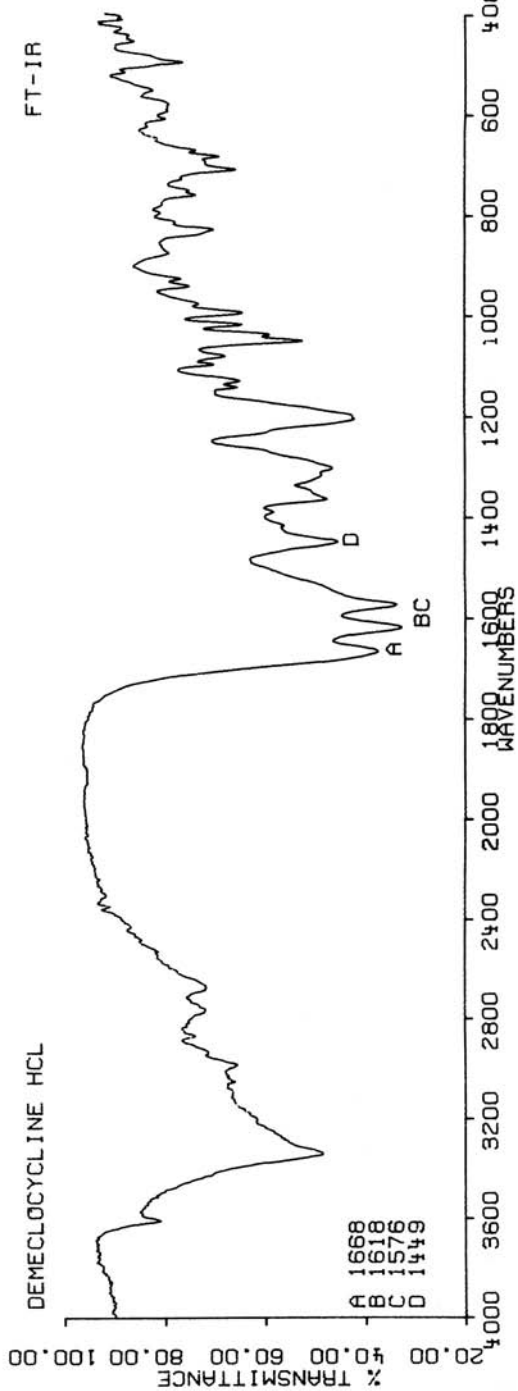
Use: Antibacterial
HPLC:
GC:








DEMECLOCYCLINE HCL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 121 .00
2 66 .00
3 54 2.50
4 46 2.50
5 89 2.85
6 60 3.36
7 60 3.36
8 31 4.33
9 31 4.74
10 32 4.75
11 46 6.99
12 36 6.99
13 53 7.02
14 43 7.02
15 49 7.64
16 43 7.66
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

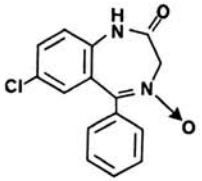

DEMECLOCYCLINE HCL
FT-IR
A 1668
B 1618
C 1576
D 1449
A
BC
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

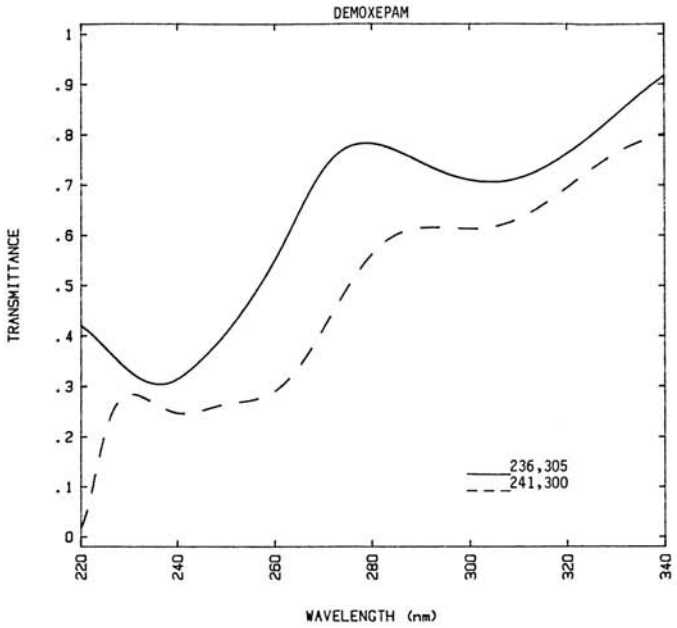
DEMOXEPAM

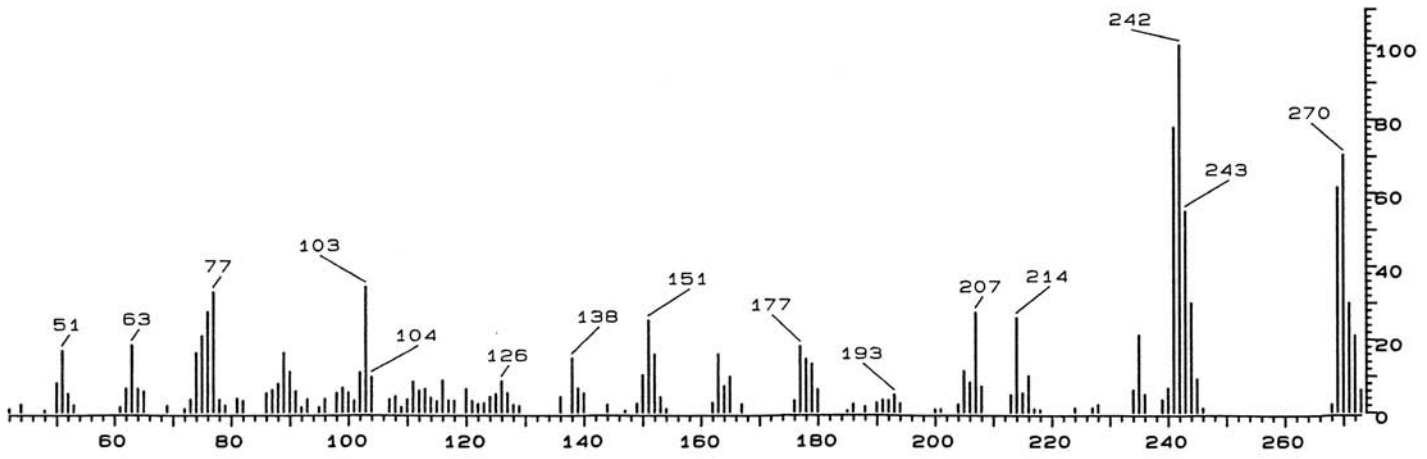
$C_{15}H_{11}ClN_2O_2$

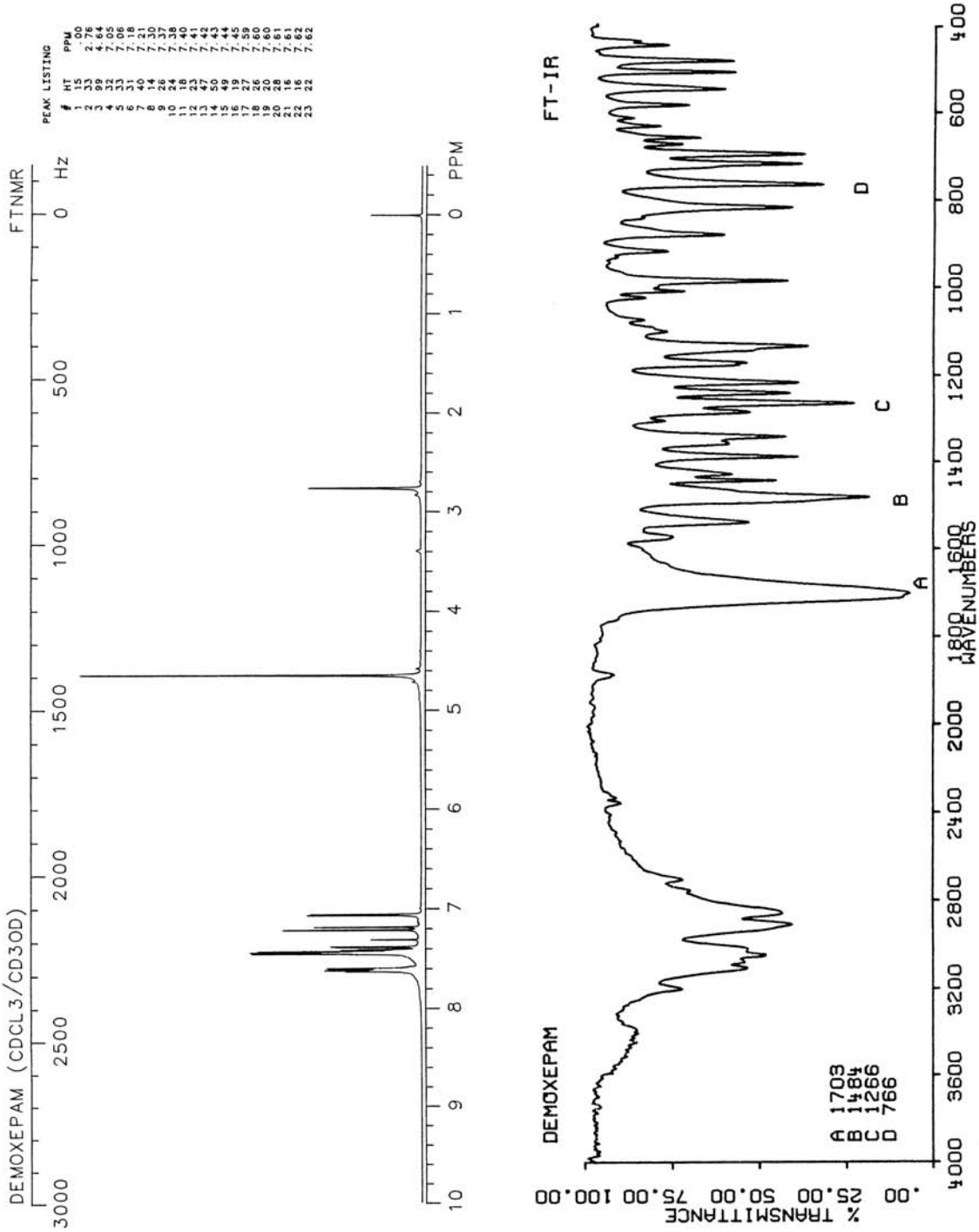
Molecular weight: 286.71 (286.05)
Synonyms: 7-Chloro-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-one-4-oxide; chlordiazepoxide lactam
Trade names:

Use: Tranquilizer, metabolite of chlordiazepoxide
HPLC: Si-10; 1A:99B; 5.0
GC: 2568; 250°C







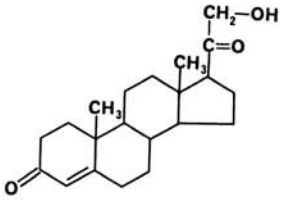

DEMOXEPAM (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 15 .00
2 33 2.76
3 99 4.64
4 32 7.05
5 33 7.06
6 31 7.18
7 40 7.21
8 14 7.30
9 26 7.37
10 24 7.38
11 18 7.40
12 25 7.41
13 47 7.42
14 50 7.43
15 49 7.44
16 19 7.45
17 27 7.59
18 26 7.60
19 20 7.60
20 8 7.61
21 16 7.61
22 16 7.62
23 22 7.62
FT-IR
DEMOXEPAM
A 1703
B 1484
C 1266
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

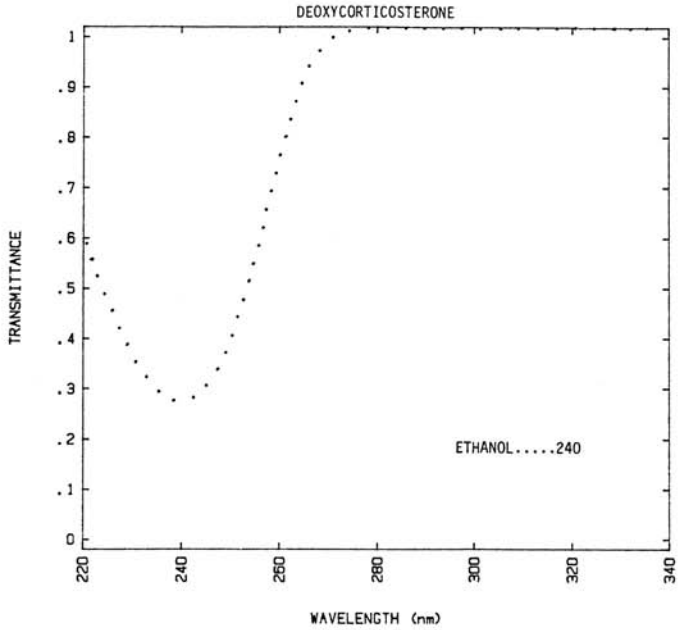
DEOXYCORTICOSTERONE

$C_{21}H_{30}O_3$

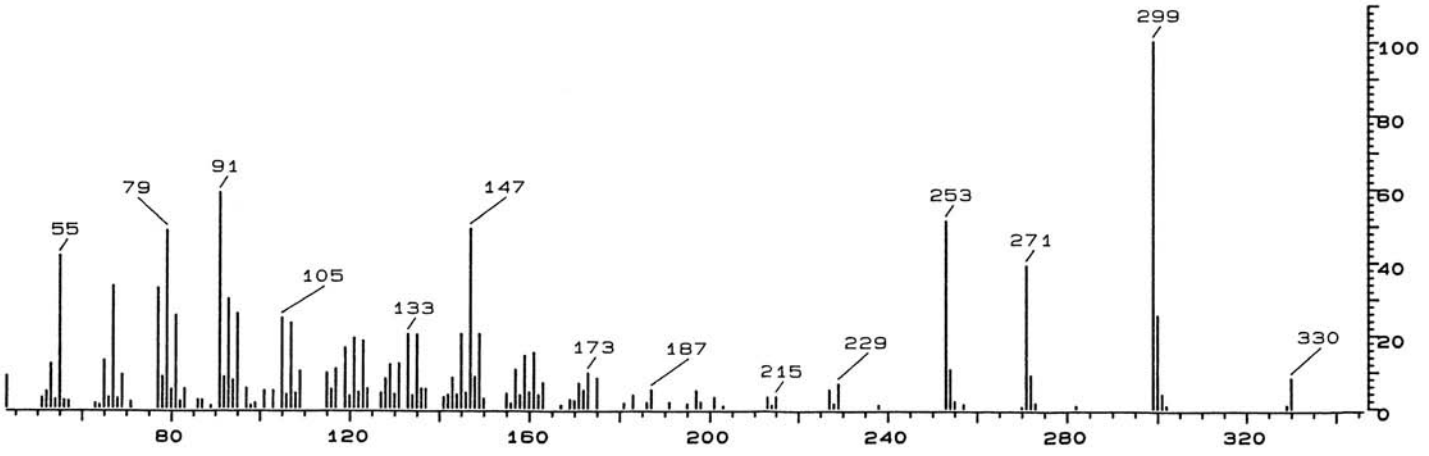
Molecular weight: 330.45 (330.22)
Synonyms: 21-Hydroxypregn-4-ene-3,20-dione; desoxycorticosterone; desoxycortone; decortone; 21-hydroxyprogesterone
Trade names: Doca, Percorten

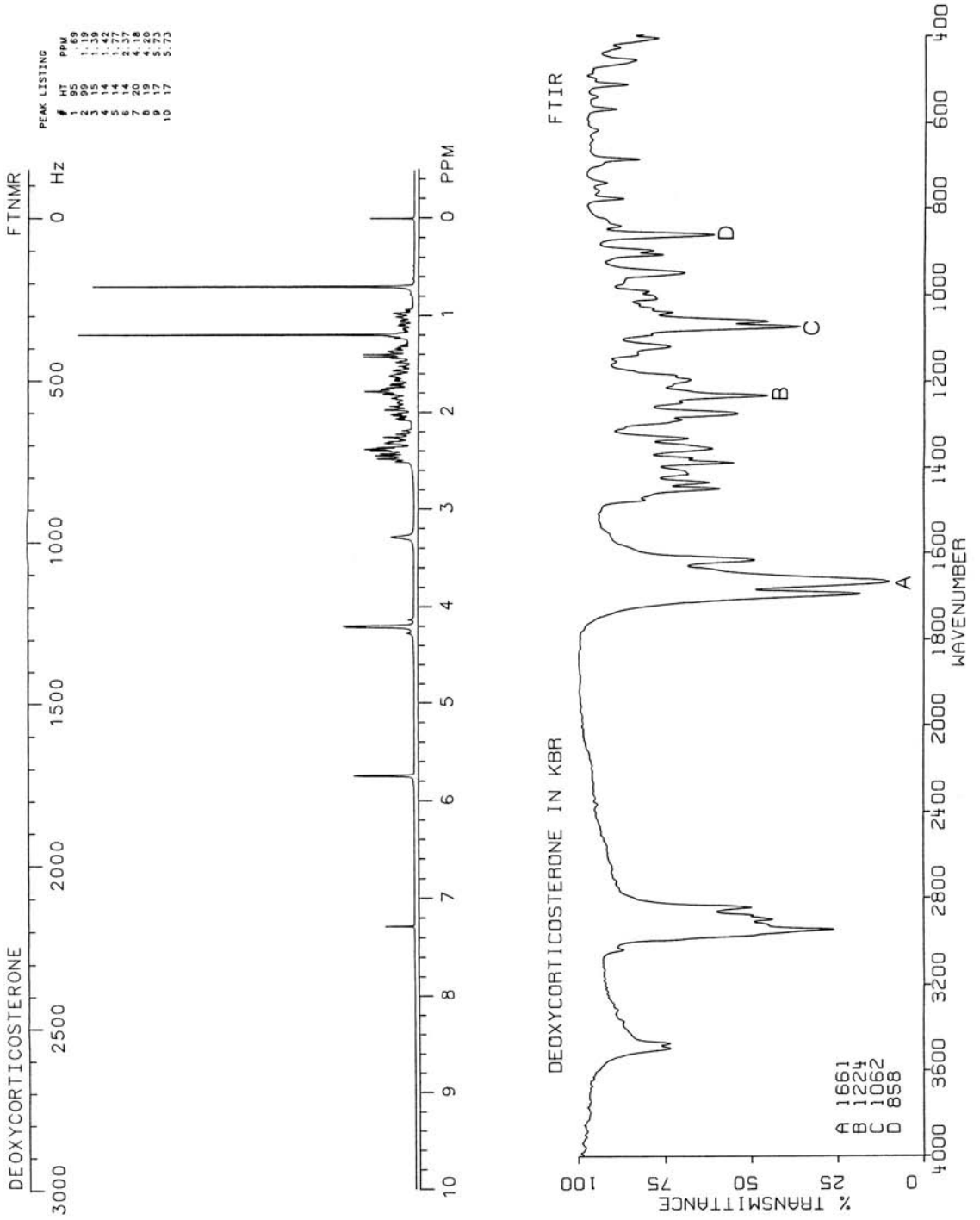
Use: Steroid
HPLC: Si-10; 100B; 8.0
GC: 3077; 280°C





DEOXYCORTICOSTERONE

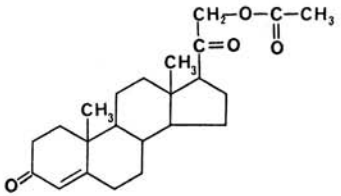


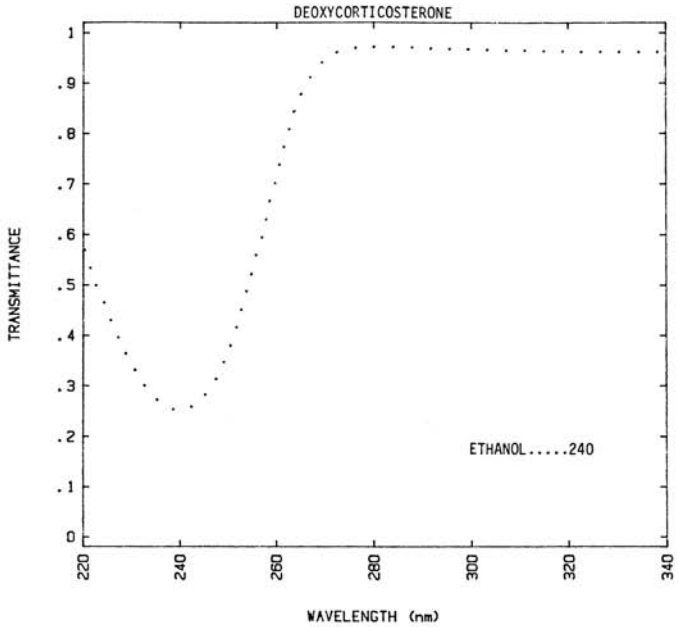

DEOXYCORTICOSTERONE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 95 .69
2 99 1.19
3 15 1.38
4 14 1.42
5 14 1.77
6 14 2.37
7 20 4.18
8 19 4.20
9 17 5.73
10 17 5.73
10 9 8 7 6 5 4 3 2 1 0 PPM
DEOXYCORTICOSTERONE IN KBR
FTIR
A 1661
B 1224
C 1062
D 858
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

DEOXYCORTICOSTERONE ACETATE

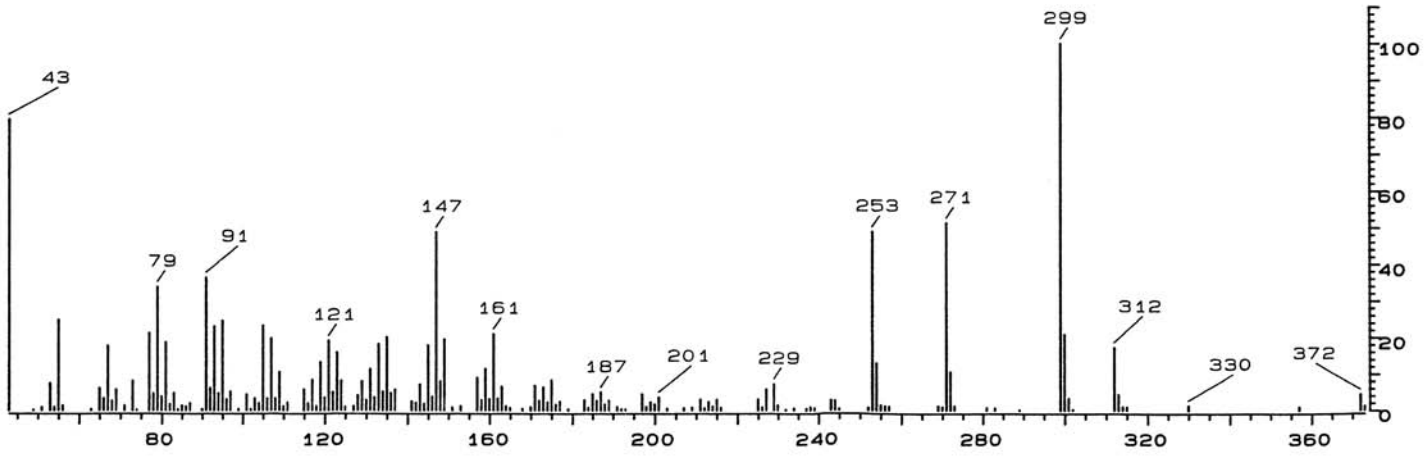
$C_{23}H_{32}O_4$

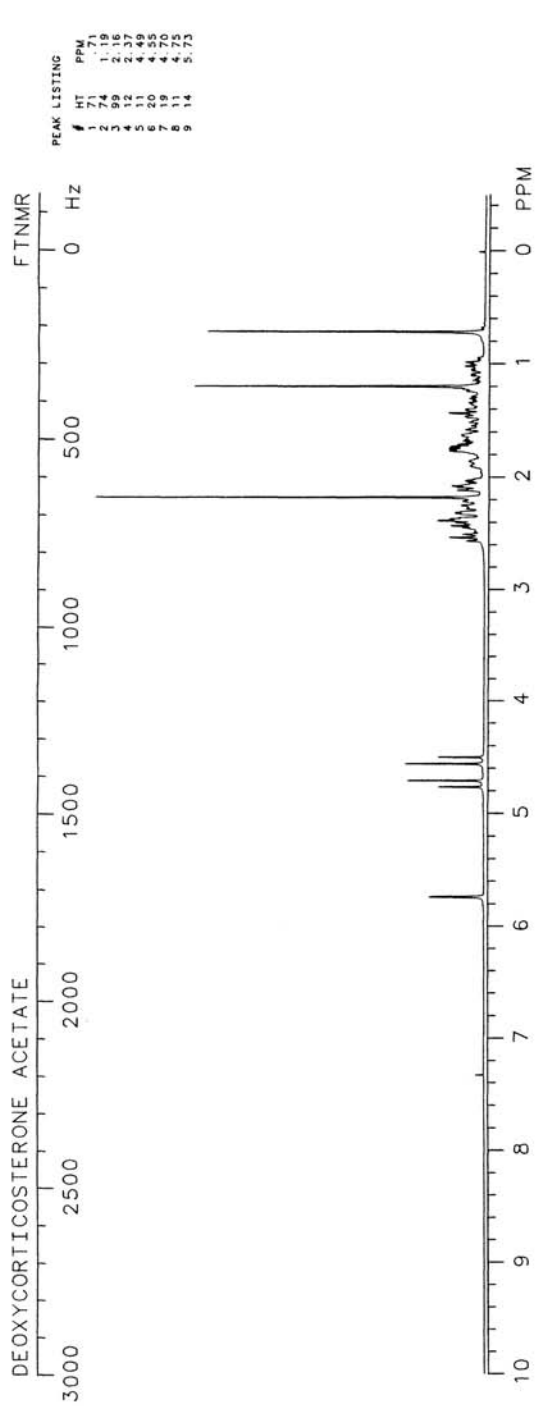
Molecular weight: 372.49 (372.23)
Synonyms: 21-Acetyloxypregn-4-ene-3,20-dione; 11-deoxycorticosterone acetate; cortexone acetate
Trade names: Cortate, Cortixyl, Decortin, Descorterone, Ocriten, Percorten, Primocopt, Sincortex, Syncort, Unidocan
Use: Adrenocortical steroid
HPLC: Si-10; 100B; 5.1
GC: 3193; 280°C

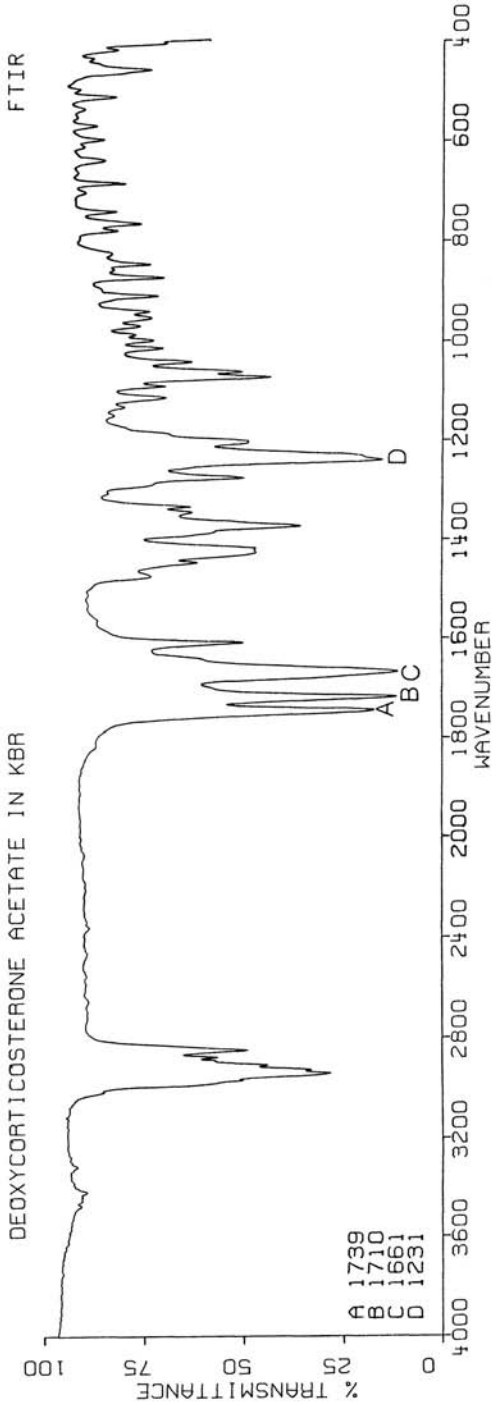




DEOXYCORTICOSTERONE ACETATE




DEOXYCORTICOSTERONE ACETATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 71 .71
2 74 1.19
3 99 2.16
4 12 2.37
5 11 4.49
6 20 4.55
7 19 4.70
8 11 4.75
9 14 5.73
10
9
8
7
6
5
4
3
2
1
0 PPM

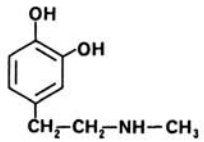

FTIR
DEOXYCORTICOSTERONE ACETATE IN KBR
A 1739
B 1710
C 1661
D 1231
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

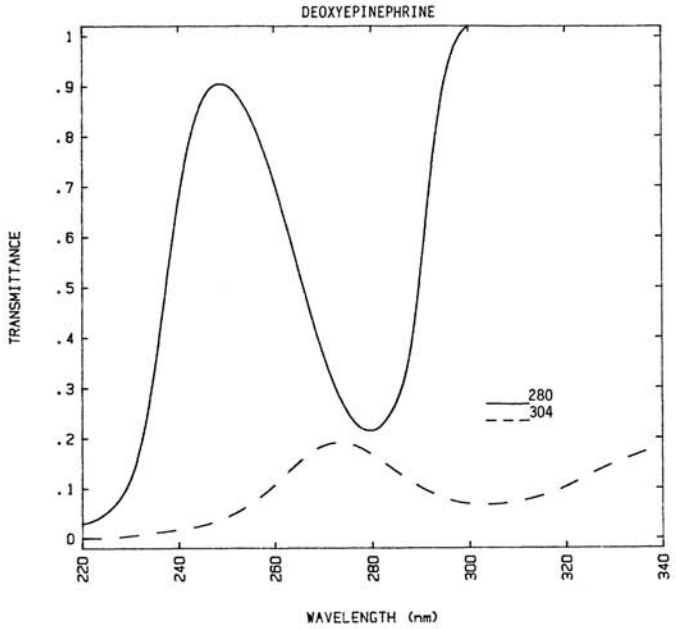
DEOXYEPINEPHRINE

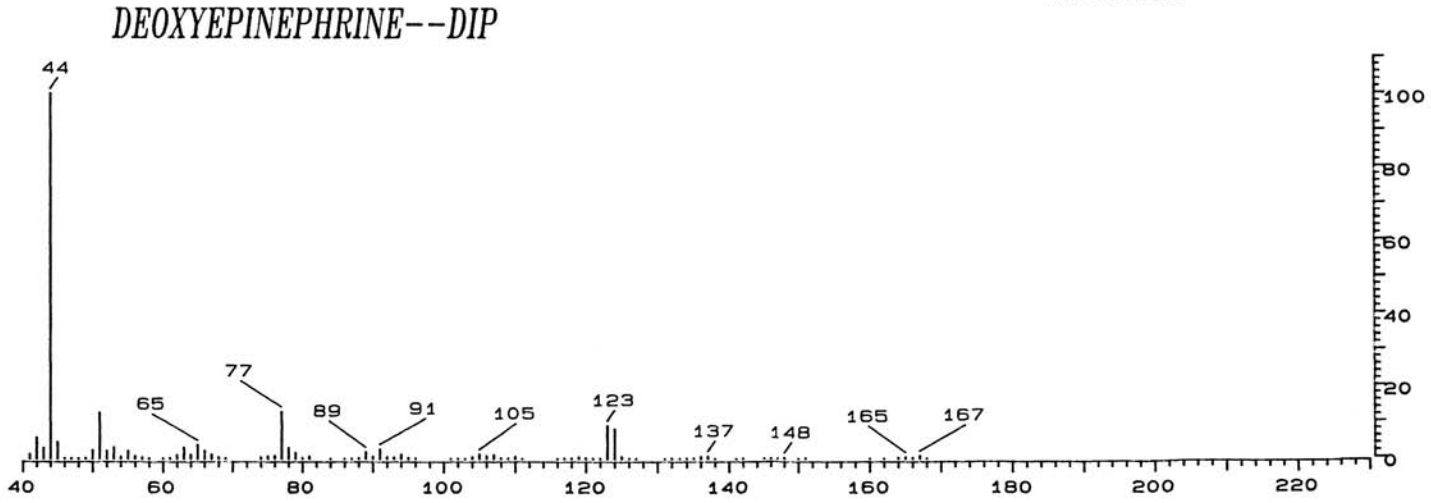
$C_9H_{13}NO_2$

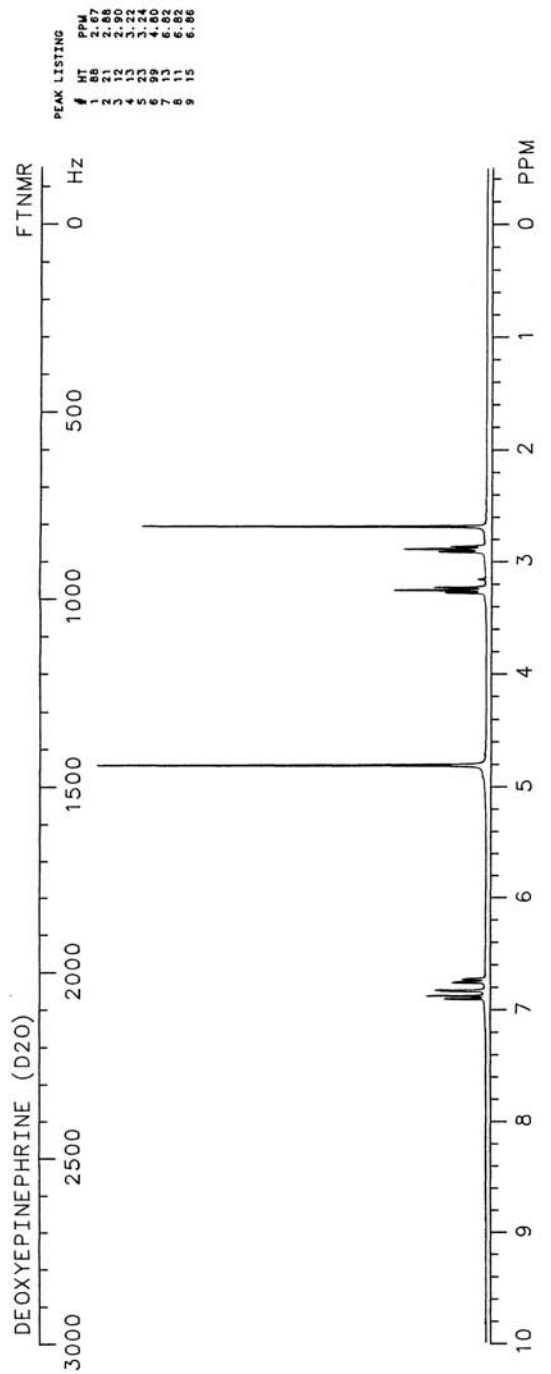
Molecular weight: 167.20 (167.10)
Synonyms: 4-[2-(Methylamino)ethyl]-1,2-benzenediol;
desoxyepinephrine
Trade names: Epinine

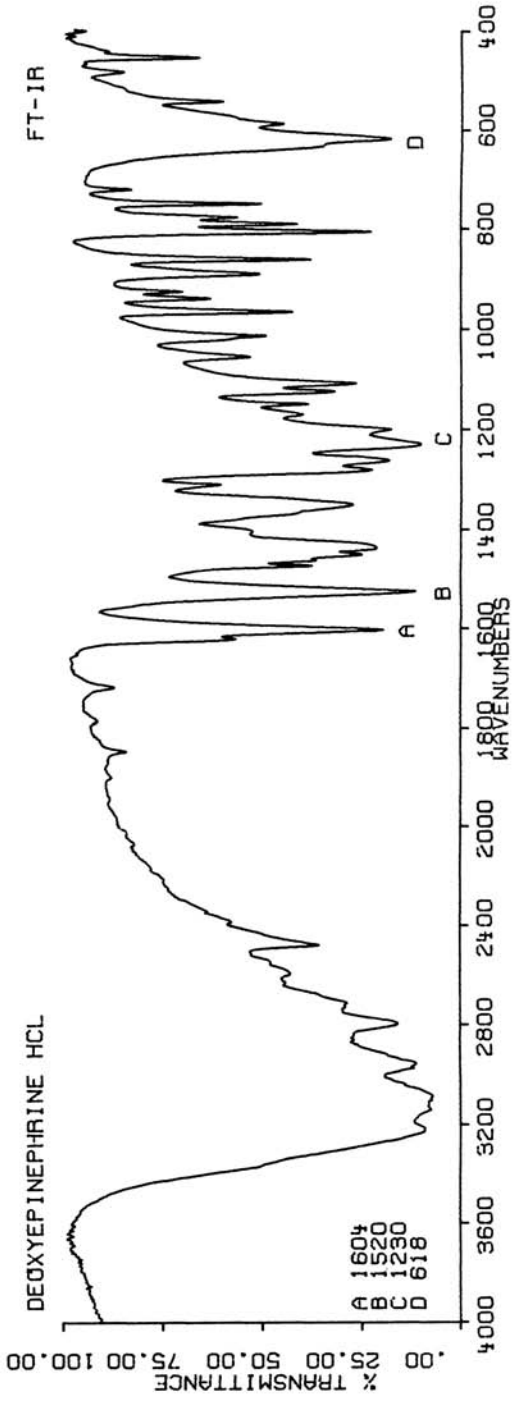
Use: Vasoconstrictor
HPLC: Si-10; 50A:50B; 5.9
GC:








DEOXYEPINEPHRINE (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 88 2.67
2 21 2.88
3 12 3.00
4 13 3.22
5 23 3.24
6 99 4.80
7 13 6.82
8 11 6.82
9 15 6.86


DEOXYEPINEPHRINE 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 1604
B 1520
C 1230
D 618
A
B
C
D

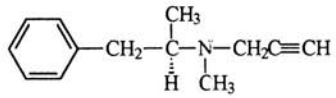
DEPRENYL

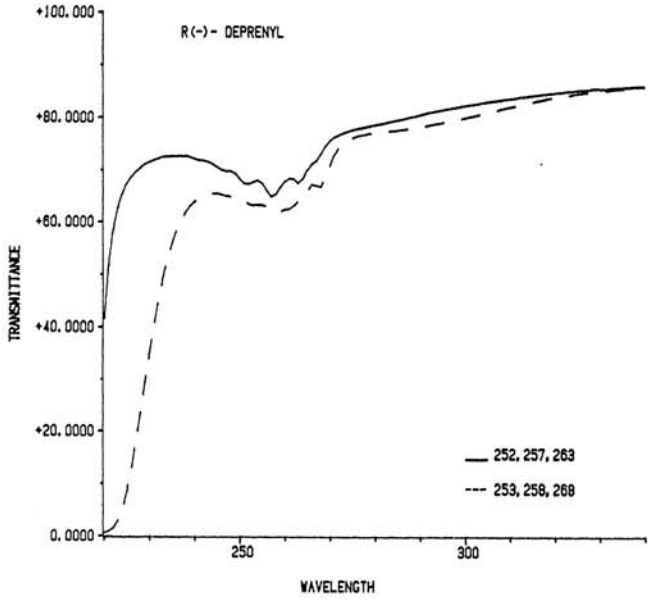
$C_{13}H_{17}N$

Molecular Weight: 187.28 (187.14)

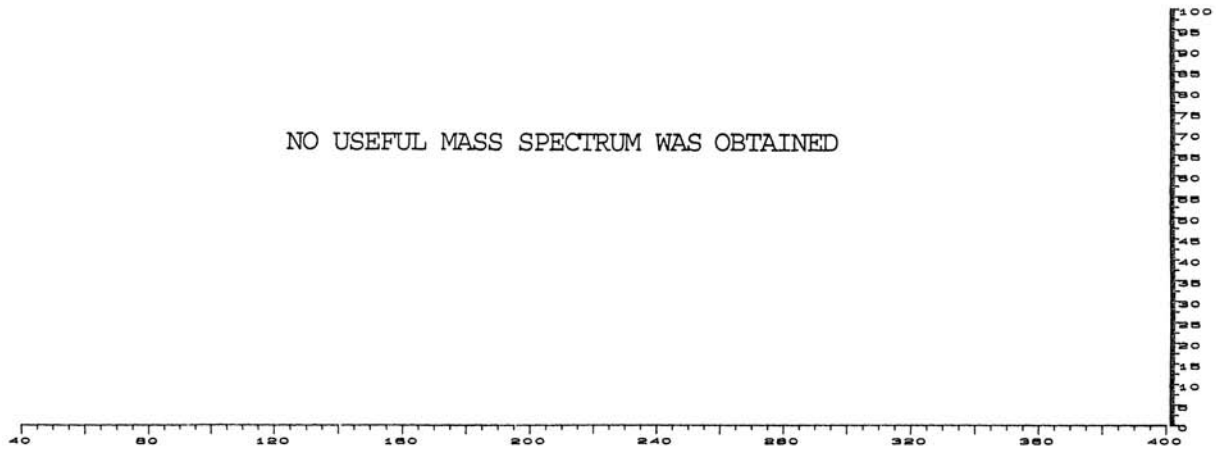
Synonyms: N,α-dimethyl-N-2-propynylbenzeneethanamine; phenylisopropylmethylpropynylamine; deprenalin; deprenil
Trade Names: Eldeprine, Movergan, Selegiline
Use: Antiparkinsonian

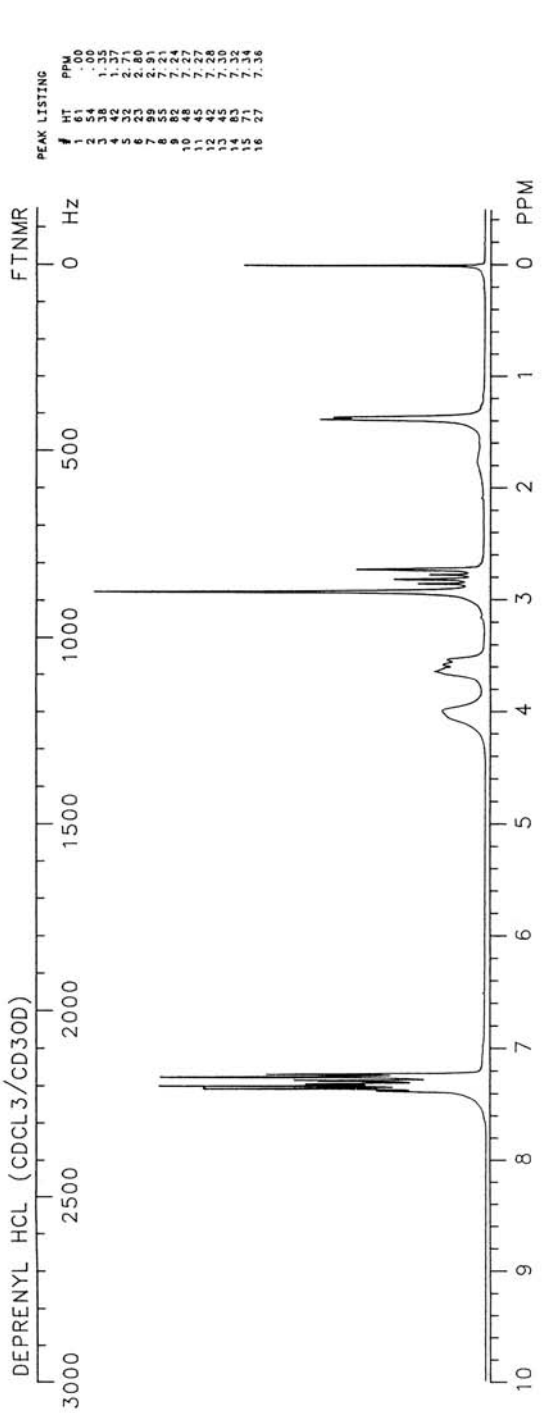
HPLC:
GC:

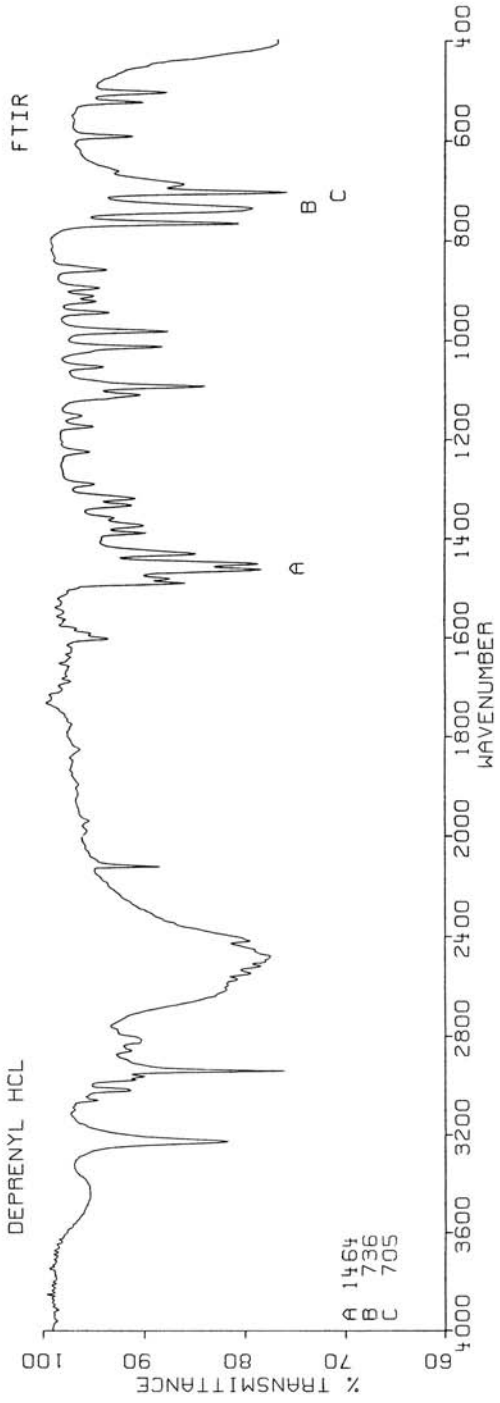




NO USEFUL MASS SPECTRUM WAS OBTAINED



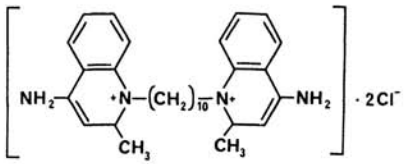

FTNMR
DEPRENYL HCL (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 61 .00
2 54 .00
3 38 1.35
4 42 1.37
5 32 2.71
6 23 2.80
7 89 2.91
8 55 7.21
9 82 7.24
10 48 7.27
11 45 7.27
12 42 7.28
13 45 7.30
14 83 7.32
15 71 7.34
16 27 7.36
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

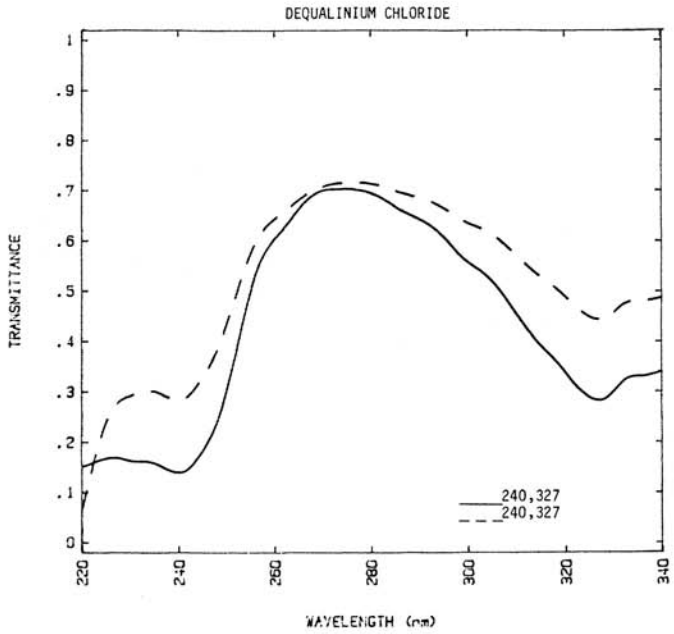

FTIR
DEPRENYL HCL
A 1464
B 736
C 705
A
B
C
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

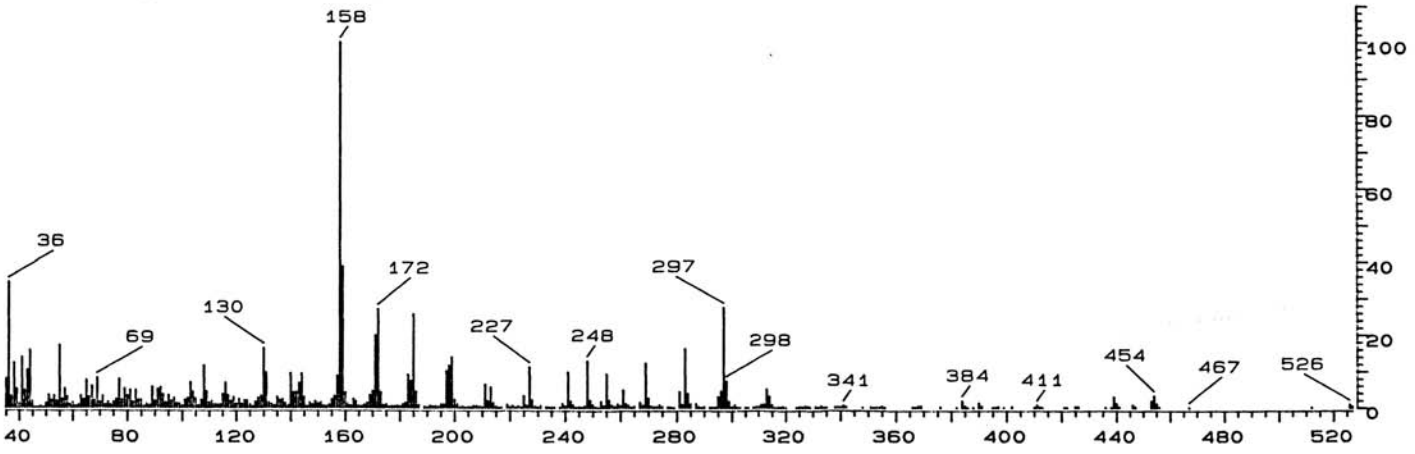
DEQUALINIUM CHLORIDE

$C_{30}H_{40}Cl_2N_4$

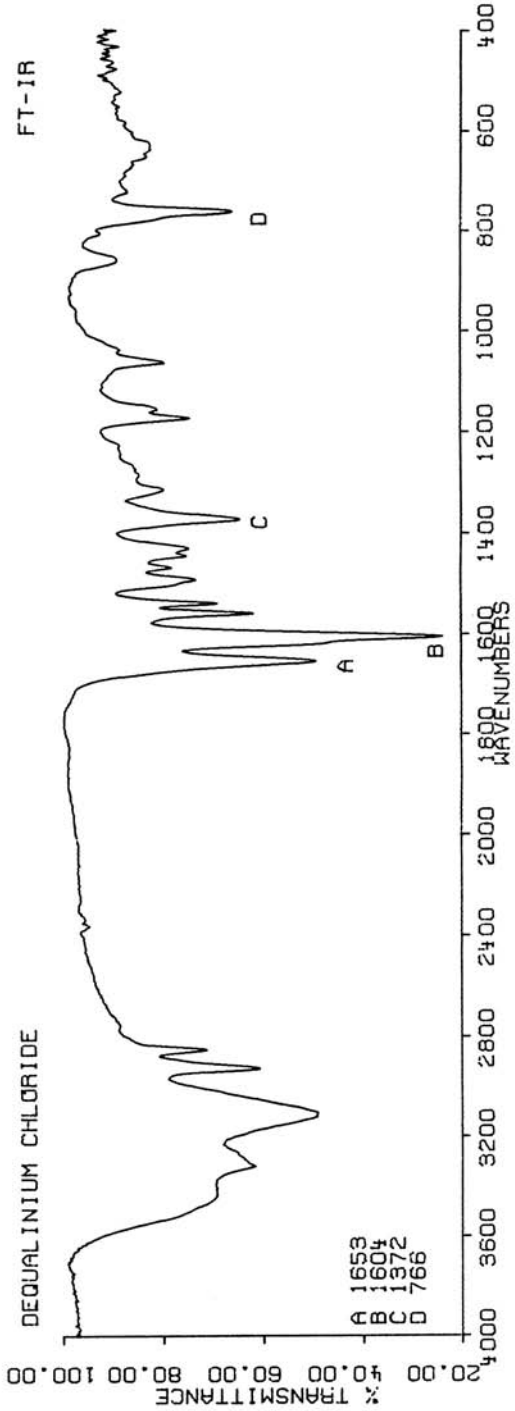
Molecular weight: 527.60 (526.26)
Synonyms: 1,1'-(1,10-Decanediyl)bis[4-amino-2-methylquinolinium chloride; decamine; dekamin; decaminum; decalinium chloride
Trade names: Dequadin, Dequavagyn, Gargilon, Labosept, Micrin, Optipect, Phylletten Sorot
Use: Antiseptic, disinfectant
HPLC: Si-10; 20A:80B; 3.1
GC:







INSUFFICIENT SOLUBILITY

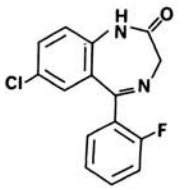


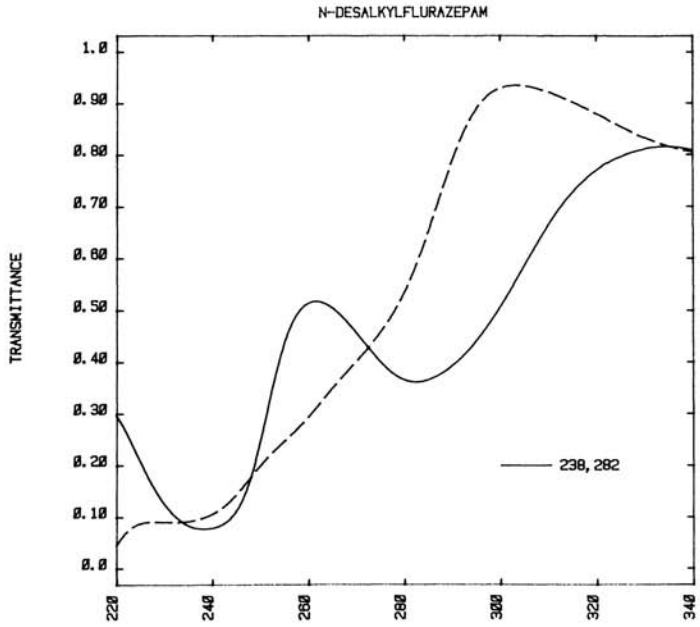
N-DESALKYLFLURAZEPAM

$C_{15}H_{10}ClFN_2O$

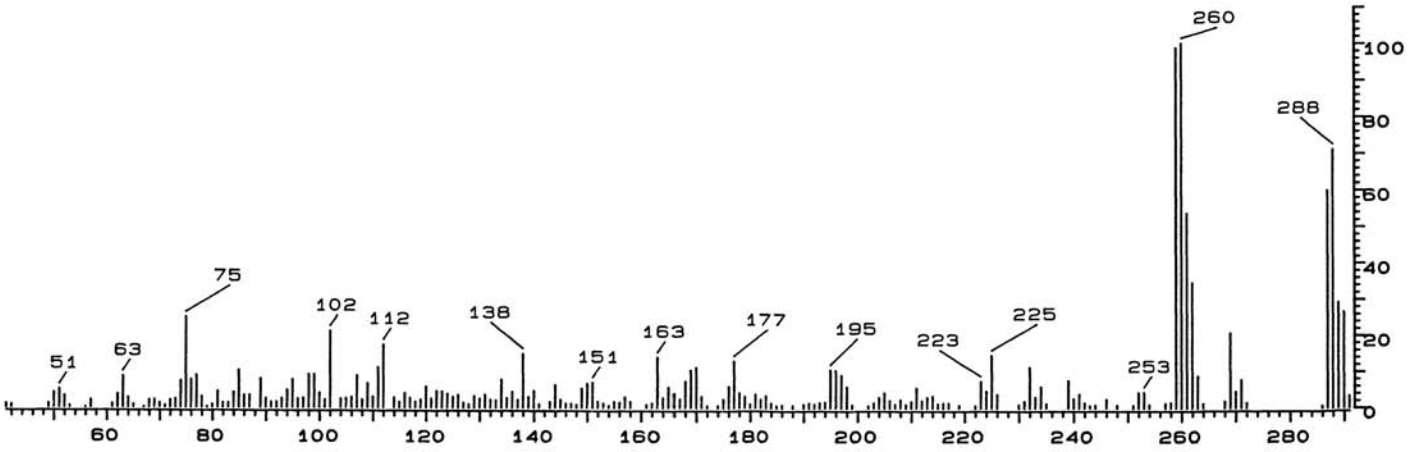
Molecular weight: 288.71 (288.05)
Synonyms: 7-Chloro-5-(o-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one
Trade names:

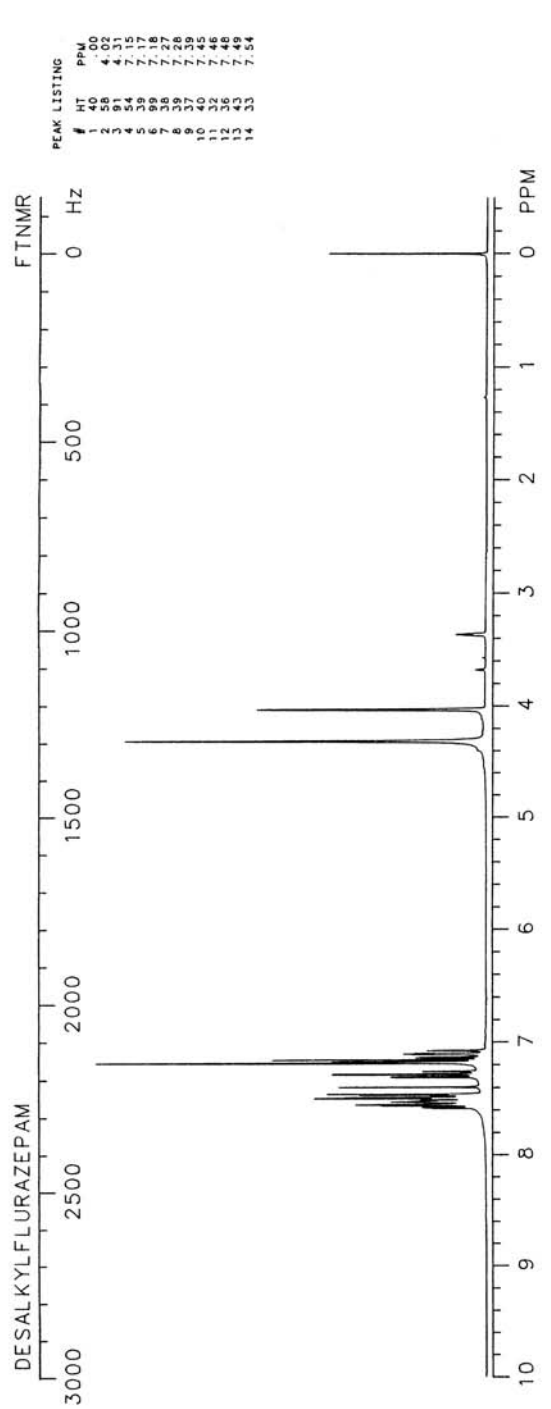
Use: Metabolite
HPLC: Si-10; 1A:99B; 10.0
GC: 2505; 250°C

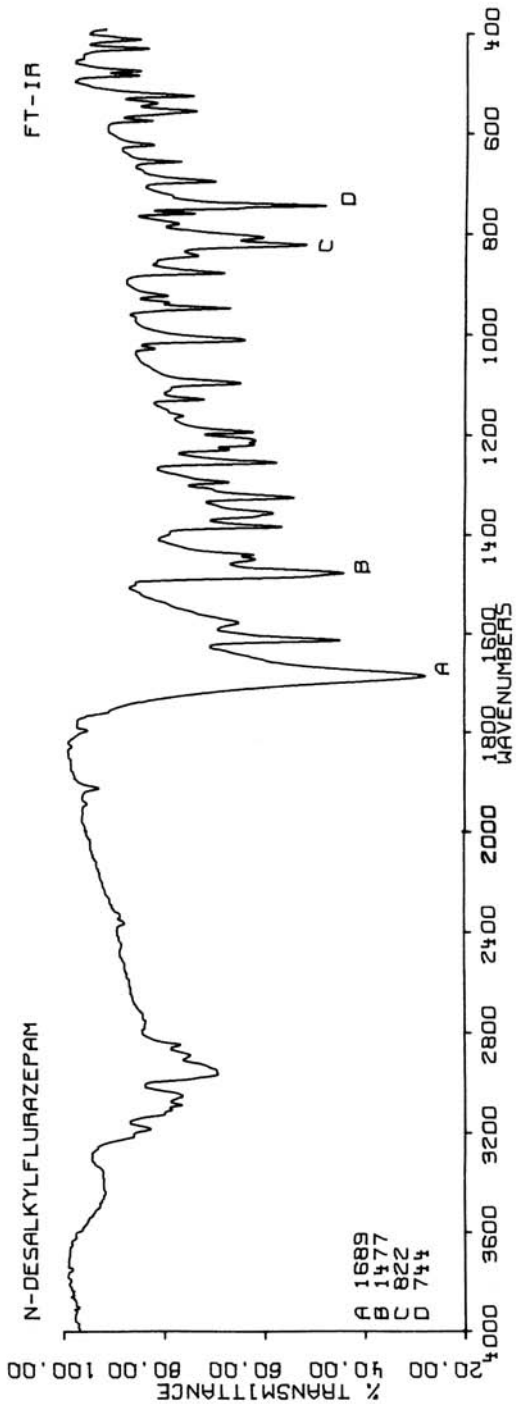




N-DESALKYLFLURAZEPAM




DESALKYLFLURAZEPAM
FTNMR
PEAK LISTING
HT PPM
1 40 7.00
2 58 4.32
3 91 4.31
4 54 7.15
5 39 7.17
6 99 7.18
7 38 7.27
8 39 7.28
9 37 7.39
10 47 7.45
11 32 7.46
12 36 7.48
13 43 7.49
14 33 7.54
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

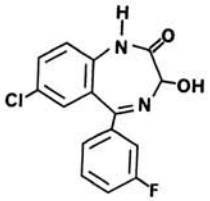

N-DESALKYLFLURAZEPAM
FT-IR
A 1689
B 1477
C 822
D 744
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

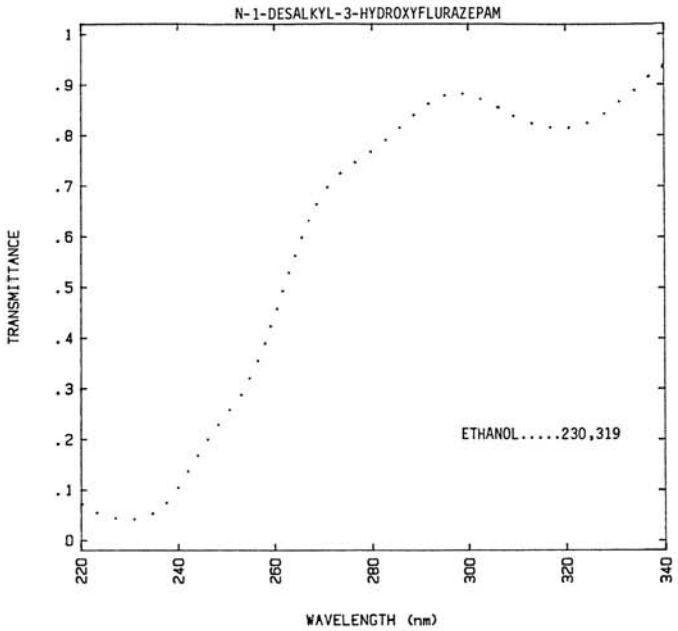
N-1-DESALKYL-3-HYDROXYFLURAZEPAM

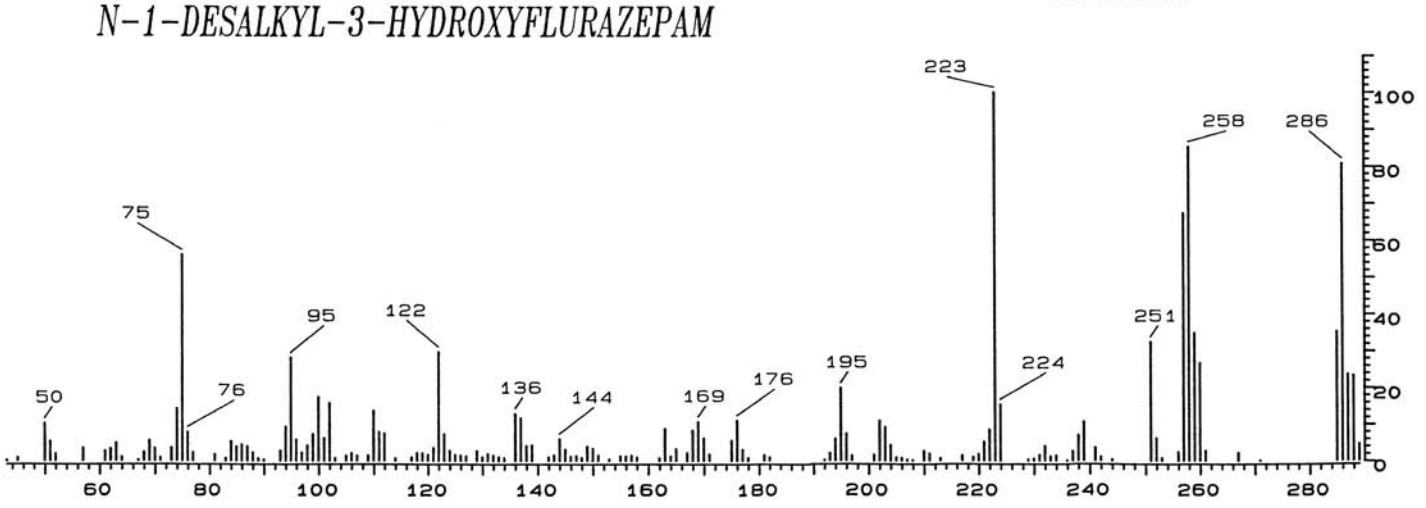
$C_{15}H_{10}ClFN_2O_2$

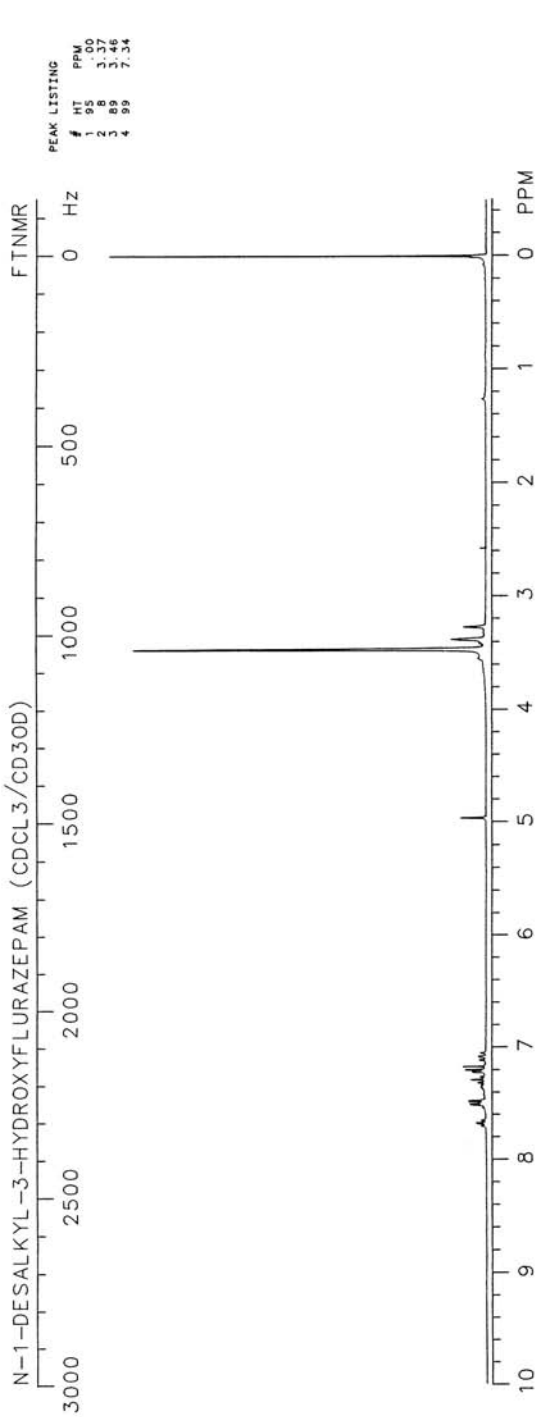
Molecular weight: 304.70 (304.04)
Synonyms: 7-Chloro-3-hydroxy-5-(O-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one
Trade names:

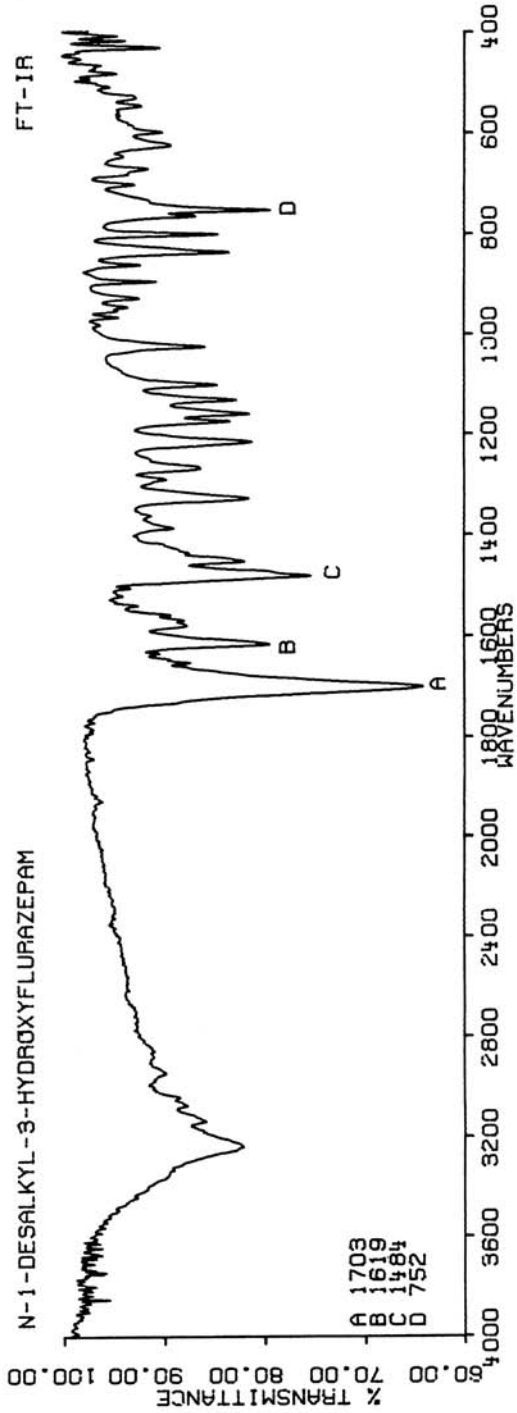
Use: Metabolite
HPLC: Si-10; 1A:99B; 4.3
GC: 2303; 250°C








N-1-DESALKYL-3-HYDROXYFLURAZEPAM (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 95 .00
2 8 3.37
3 89 3.46
4 99 7.34
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

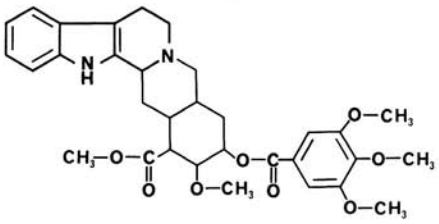

N-1-DESALKYL-3-HYDROXYFLURAZEPAM
FT-IR
A 1703
B 1619
C 1484
D 752
A
B
C
D
% TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

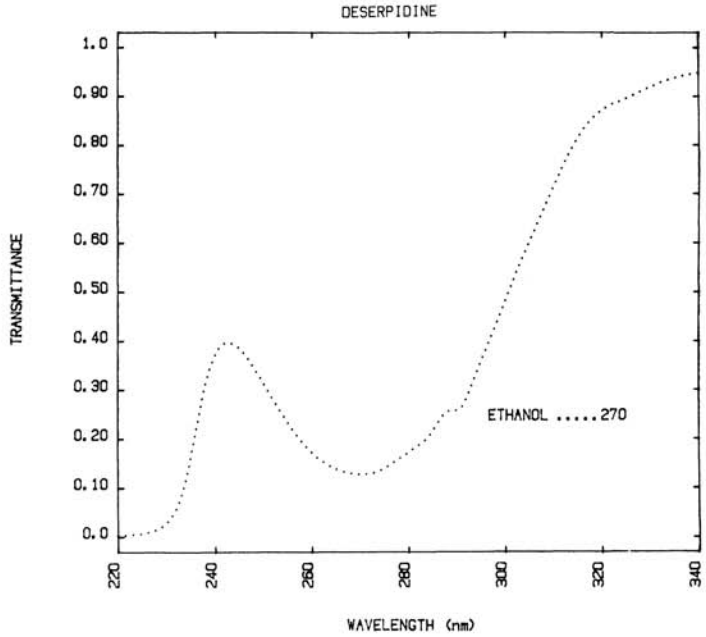
DESERPIDINE

$C_{32}H_{38}N_2O_8$

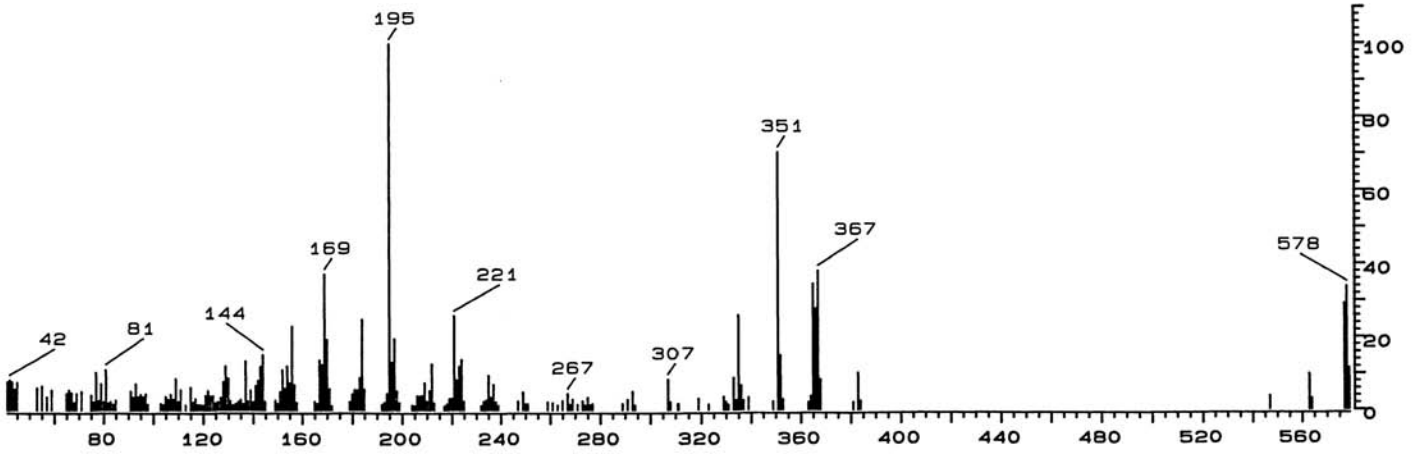
Molecular weight: 578.67 (578.26)
Synonyms: 17α-Methoxy-18β-[(3,4,5-trimethoxybenzoyl)oxy]-3β,20α-yohimban-16β-carboxylic acid methyl ester; recanescine; raunormine
Trade names: Enduronyl, Harmonyl, Oreticyl

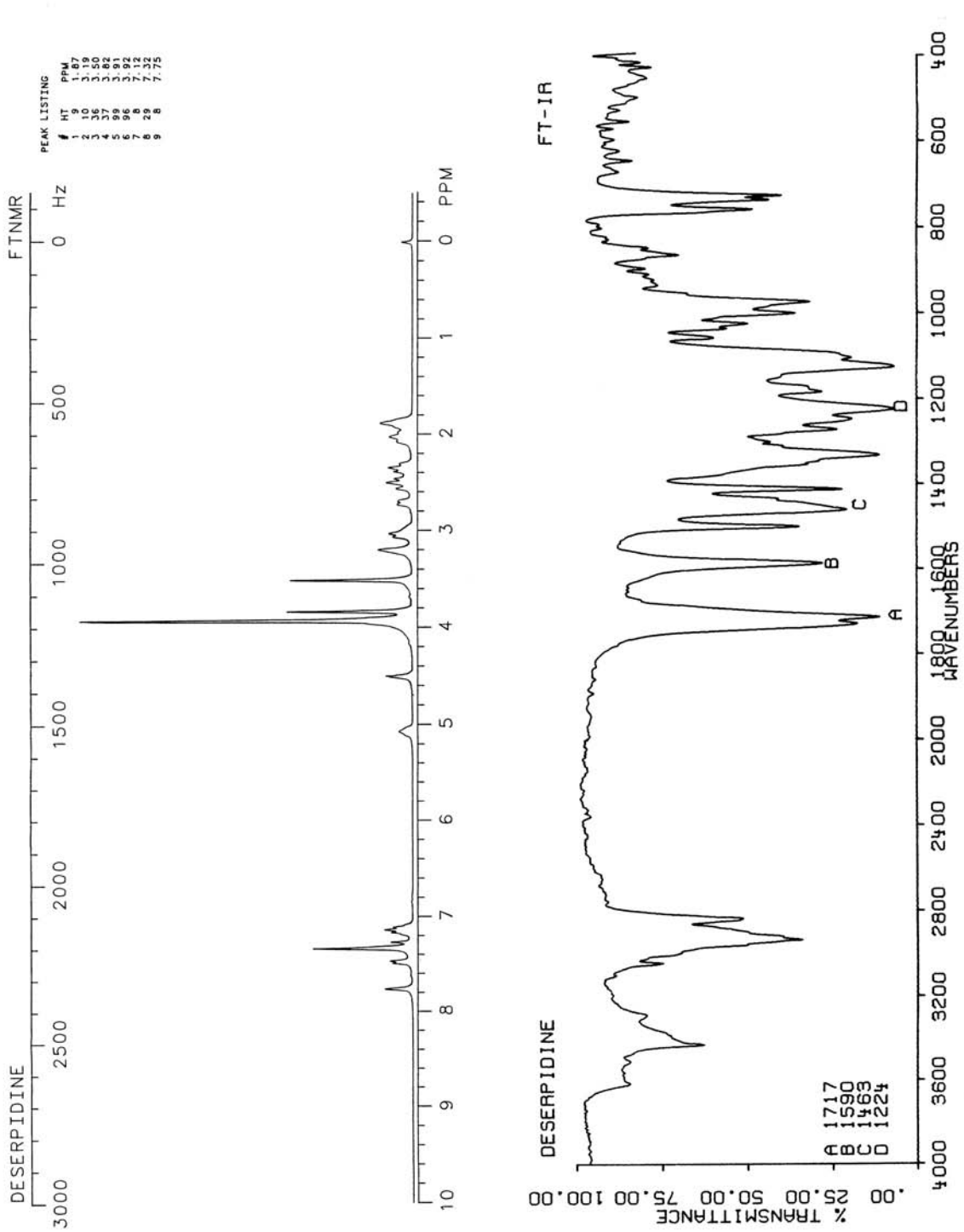
Use: Antihypertensive
HPLC: Si-10; 1A:99B; 6.0
GC:





DESERPIDINE



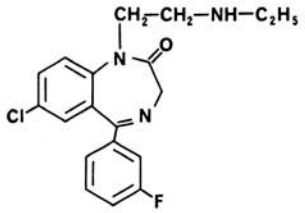

DESERPIDINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 10 PPM
PEAK LISTING
HT PPM
1 9 1.87
2 10 3.19
3 36 3.50
4 37 3.82
5 99 3.91
6 96 3.92
7 8 7.12
8 29 7.32
9 8 7.75
DESERPIDINE
FT-IR
A 1717
B 1590
C 1463
D 1224
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

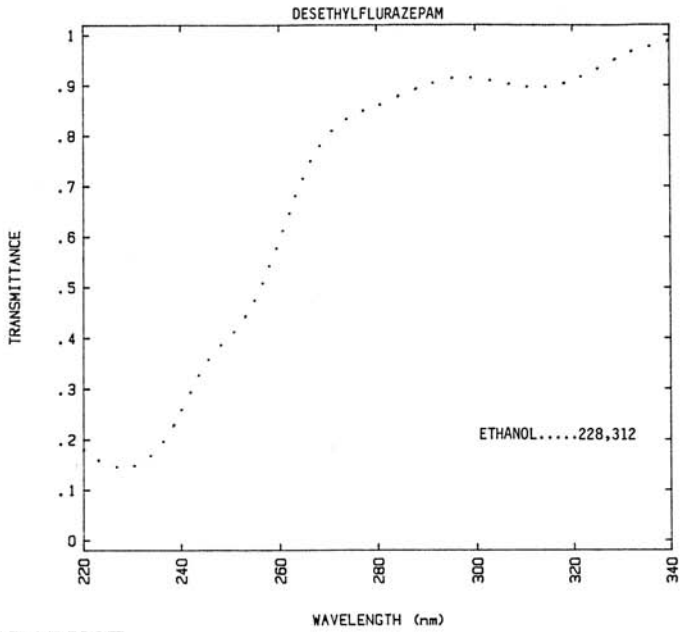
DESETHYLFLURAZEPAM

$C_{19}H_{19}ClFN_3O$

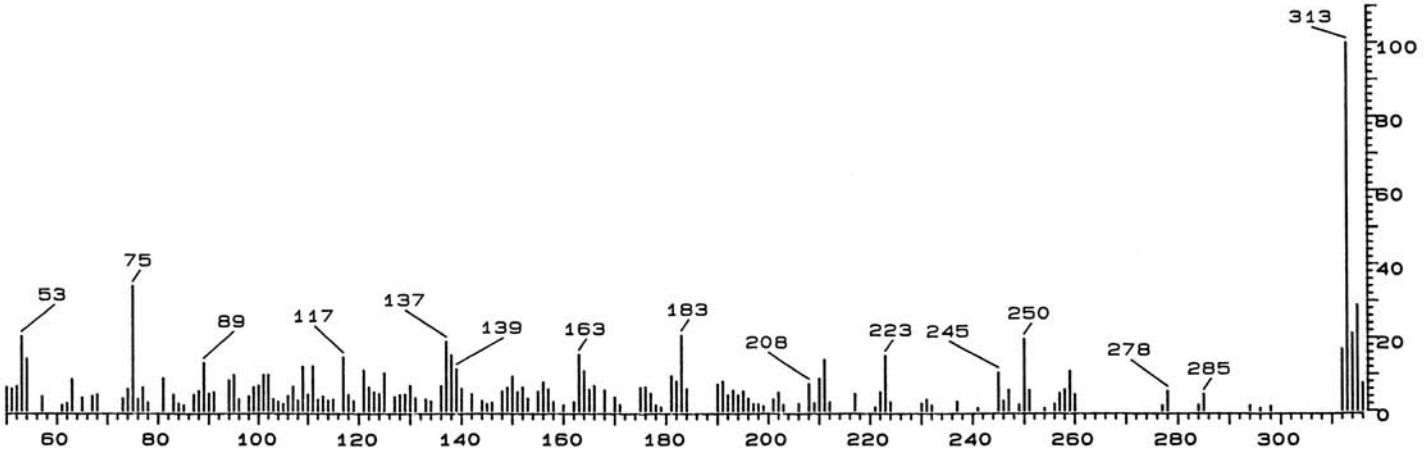
Molecular weight: 359.83 (359.12)
Synonyms: 7-Chloro-1-[2-(ethylamino)ethyl]-5-(O-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one
Trade names:

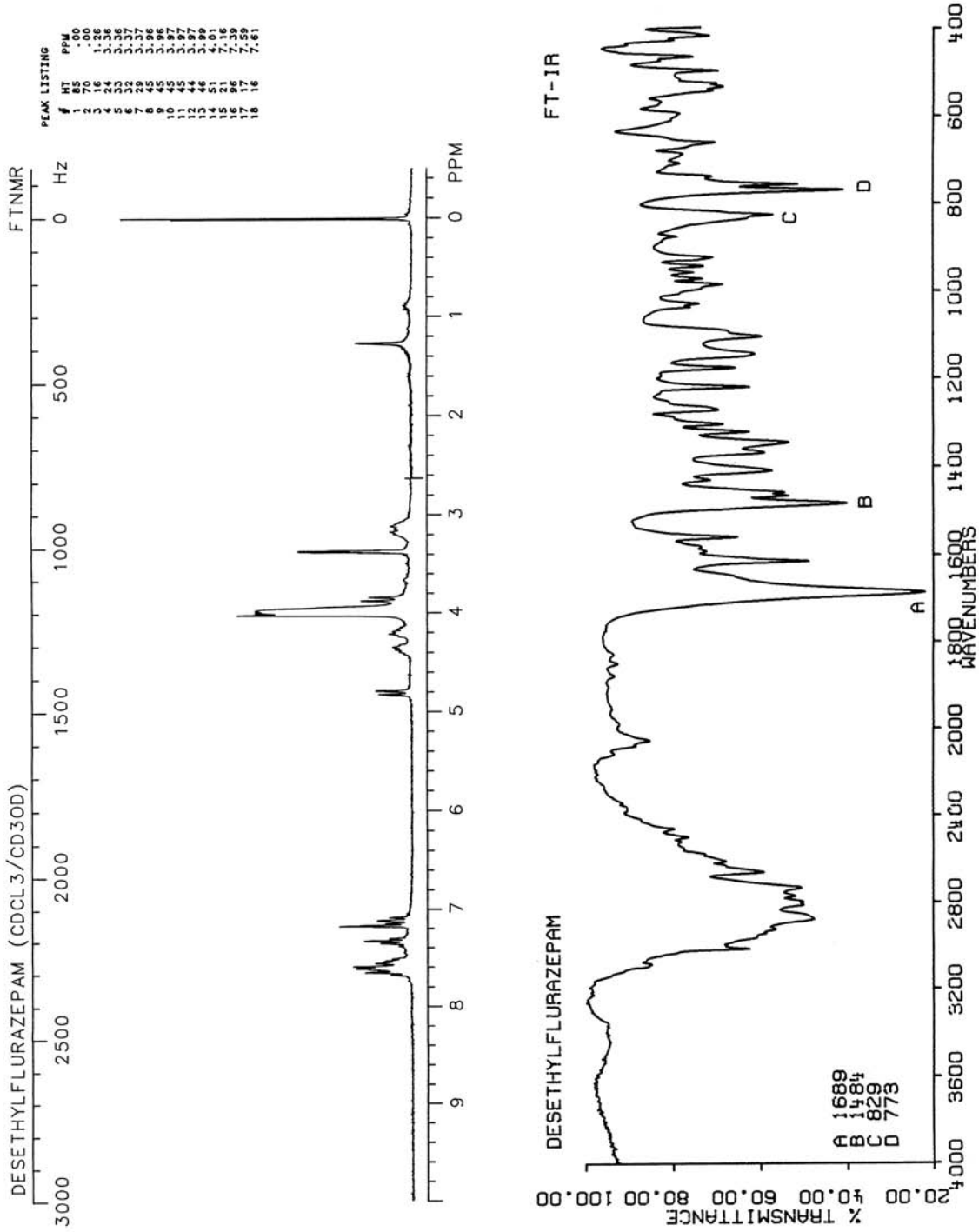
Use: Metabolite
HPLC: Si-10; 5A:95B; 3.8
GC: 2642; 250°C





DESETHYLFLURAZEPAM--DECOMPOSITION PRODUCT



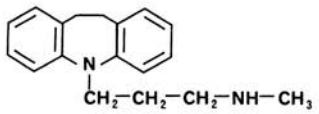

DESETHYLFLURAZEPAM (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 PPM
PEAK LISTING
HT PPM
1 85 .00
2 70 .00
3 16 1.26
4 24 3.36
5 33 3.36
6 32 3.37
7 29 3.37
8 45 3.96
9 45 3.96
10 45 3.97
11 45 3.97
12 44 3.97
13 46 3.99
14 51 4.01
15 21 7.16
16 26 7.39
17 17 7.59
18 16 7.61
DESETHYLFLURAZEPAM
FT-IR
A 1689
B 1484
C 829
D 773
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

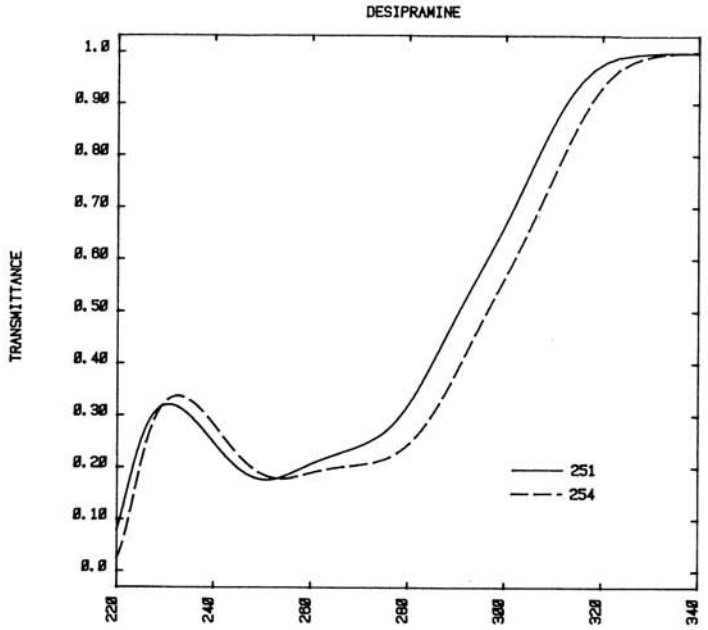
DESIPRAMINE

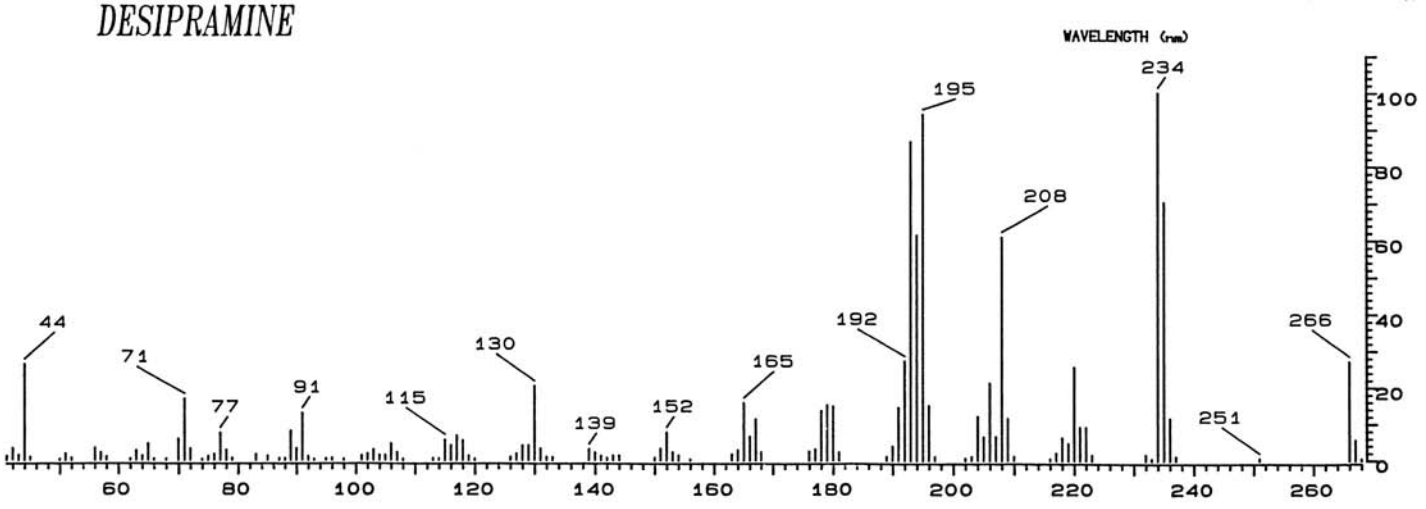
$C_{18}H_{22}N_2$

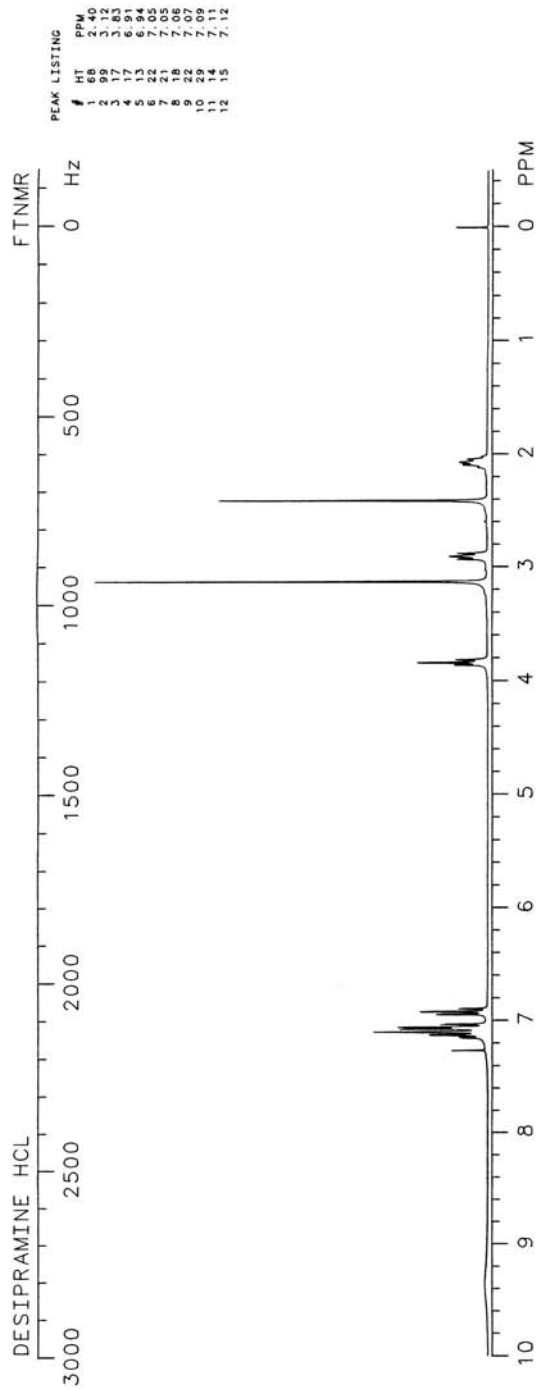
Molecular weight: 266.38 (266.18)
Synonyms: 10,11-Dihydro-N-methyl-5H-dibenz[b,f]azepine-5-propanamine; desmethylimipramine; norimipramine
Trade names: Norpramin, Pertofrane

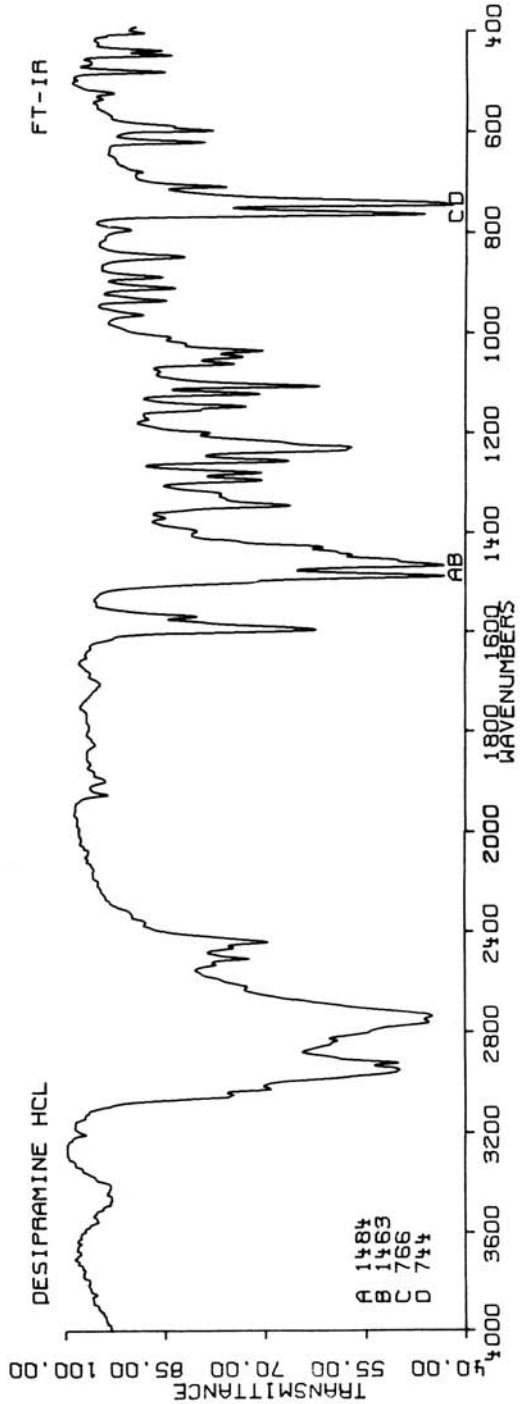
Use: Antidepressant
HPLC: Si-10; 20A:80B; 5.5
GC: 2293; 250°C








DESIPRAMINE 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 68 2.40
2 99 3.12
3 17 3.83
4 17 6.91
5 13 6.94
6 22 7.05
7 21 7.05
8 18 7.06
9 22 7.07
10 29 7.09
11 14 7.11
12 15 7.12


DESIPRAMINE HCL
FT-IR
A 1484
B 1463
C 766
D 744
AB
CD
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

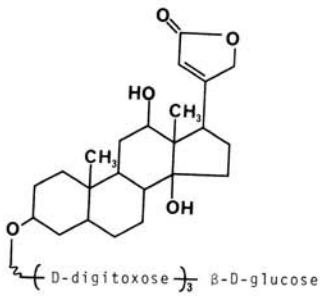
DESLANOSIDE

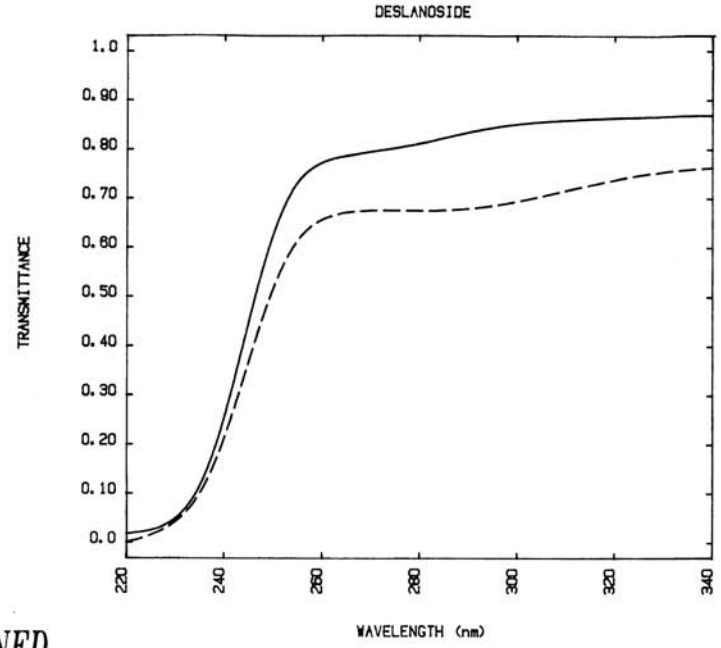
$C_{47}H_{74}O_{19}$

Molecular weight: 943.10 (942.48)
Synonyms: Deacetyllanatoside C; desacetyllanatoside C

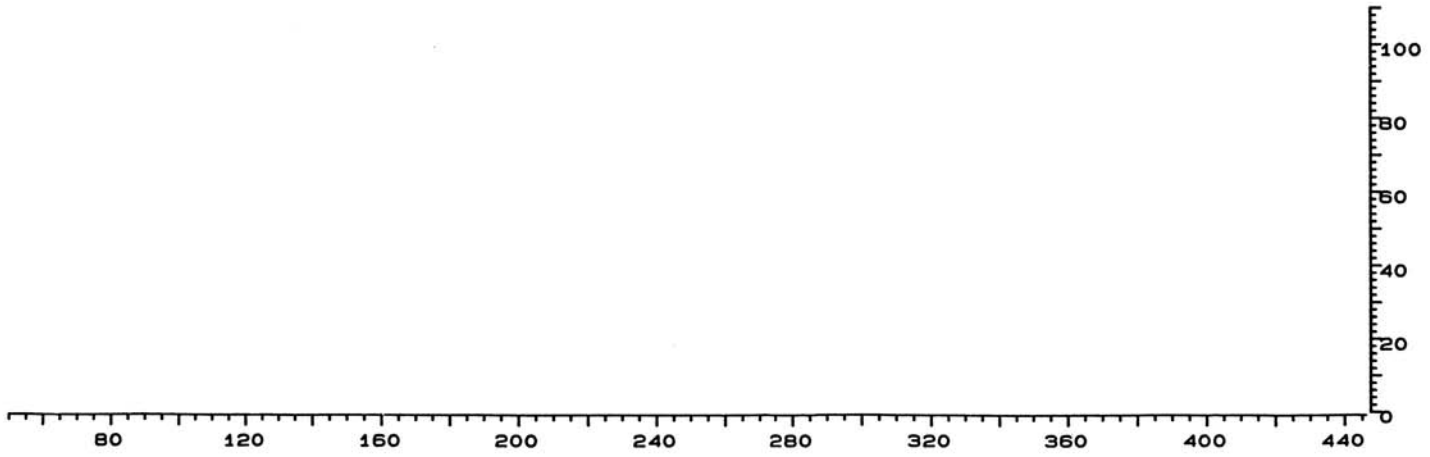
Trade names: Cedilanid-D

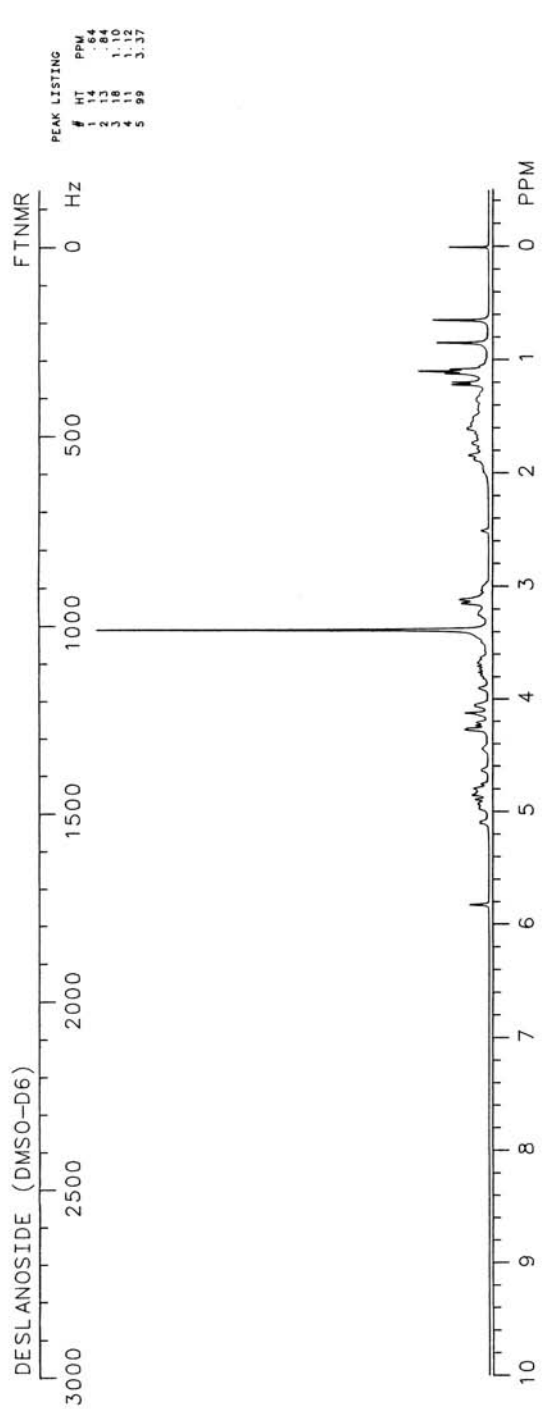
Use: Cardiac tonic
HPLC: Si-10; 5A:95B; 10.5
GC:

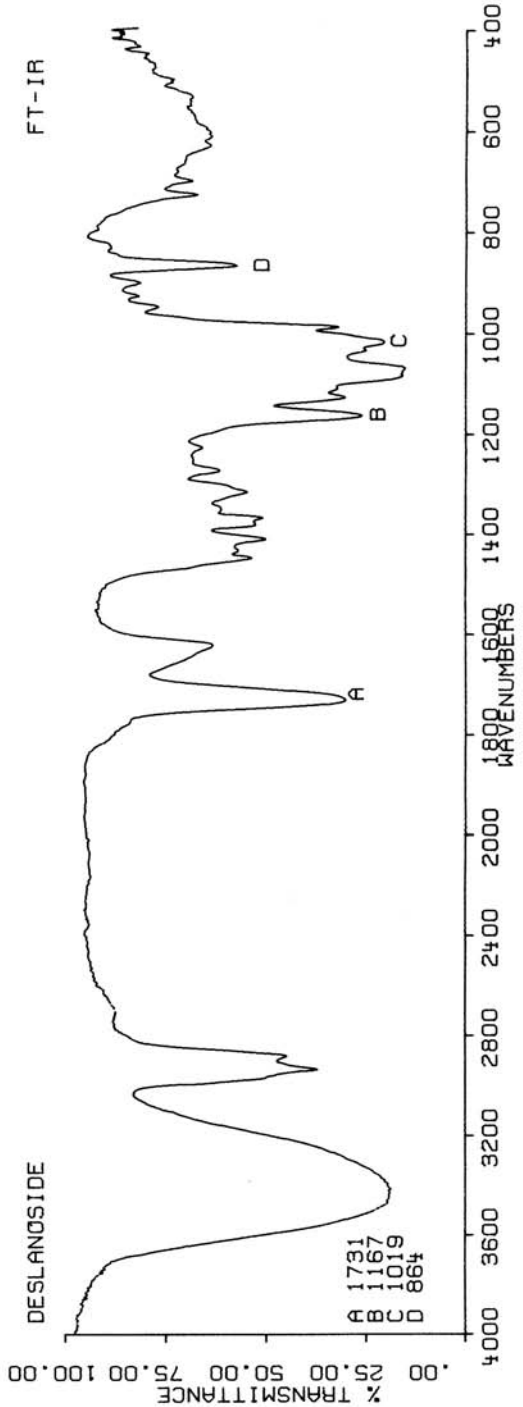




NO USEFUL MASS SPECTRUM WAS OBTAINED




DESLANOSIDE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 14 .64
2 14 .84
3 18 1.10
4 11 1.12
5 99 3.37
10 9 8 7 6 5 4 3 2 1 0 PPM


DESLANOSIDE
FT-IR
A 1731
B 1167
C 1019
D 864
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

DESMOPRESSIN ACETATE

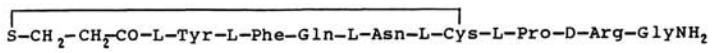
$C_{48}H_{66}N_{14}O_{13}S_2$

Molecular weight: 1111.27 (1110.44)

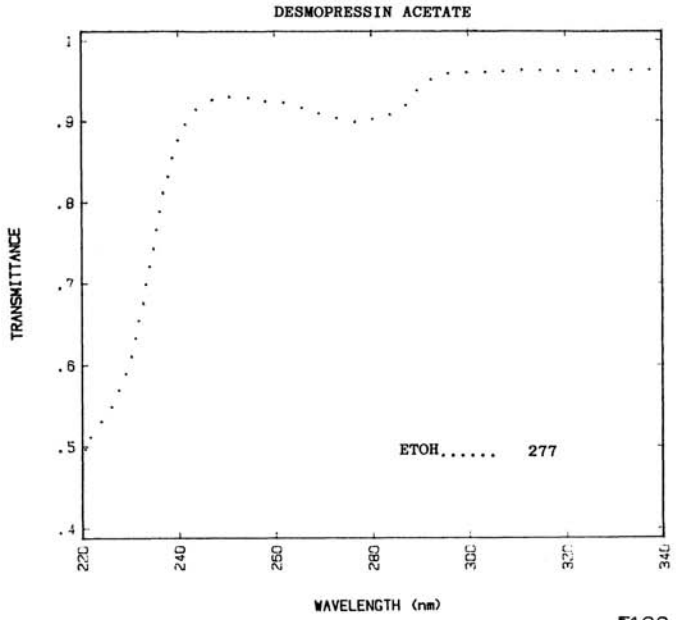
Synonyms: 1-(3-Mercaptopropanoic acid)-8-D-arginine; vasopressin

Trade names: DDAVP, DAV Ritter, Desmospray, Adiuretin SD, Minirin, Ostostim

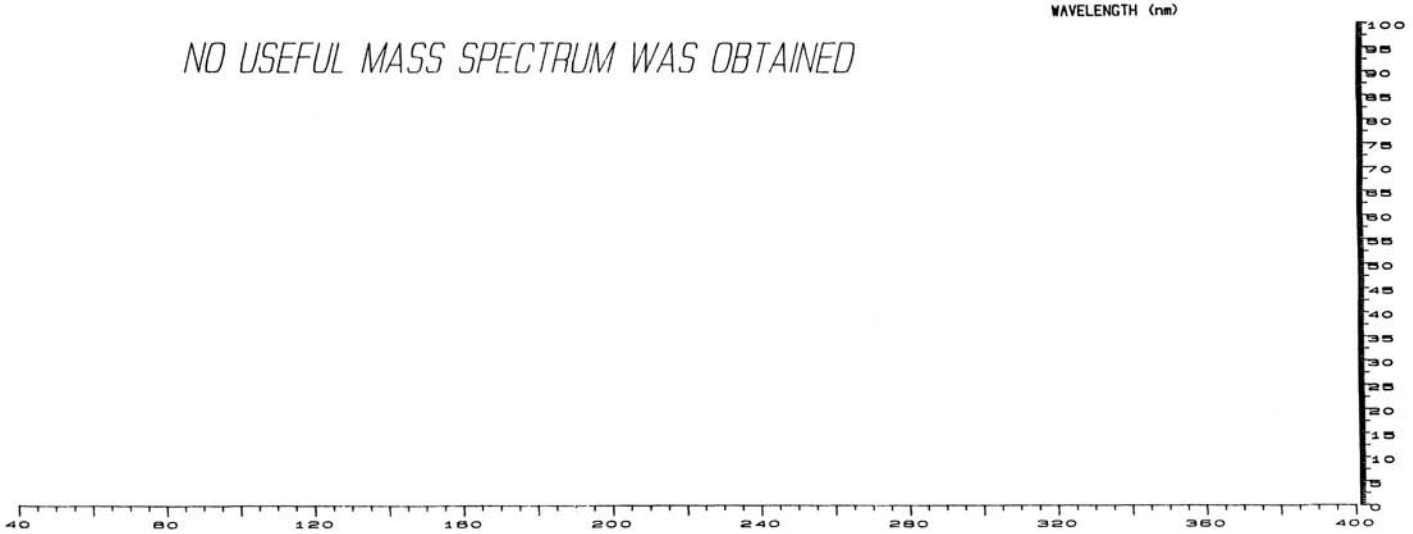
Use: Antidiuretic
HPLC:
GC:

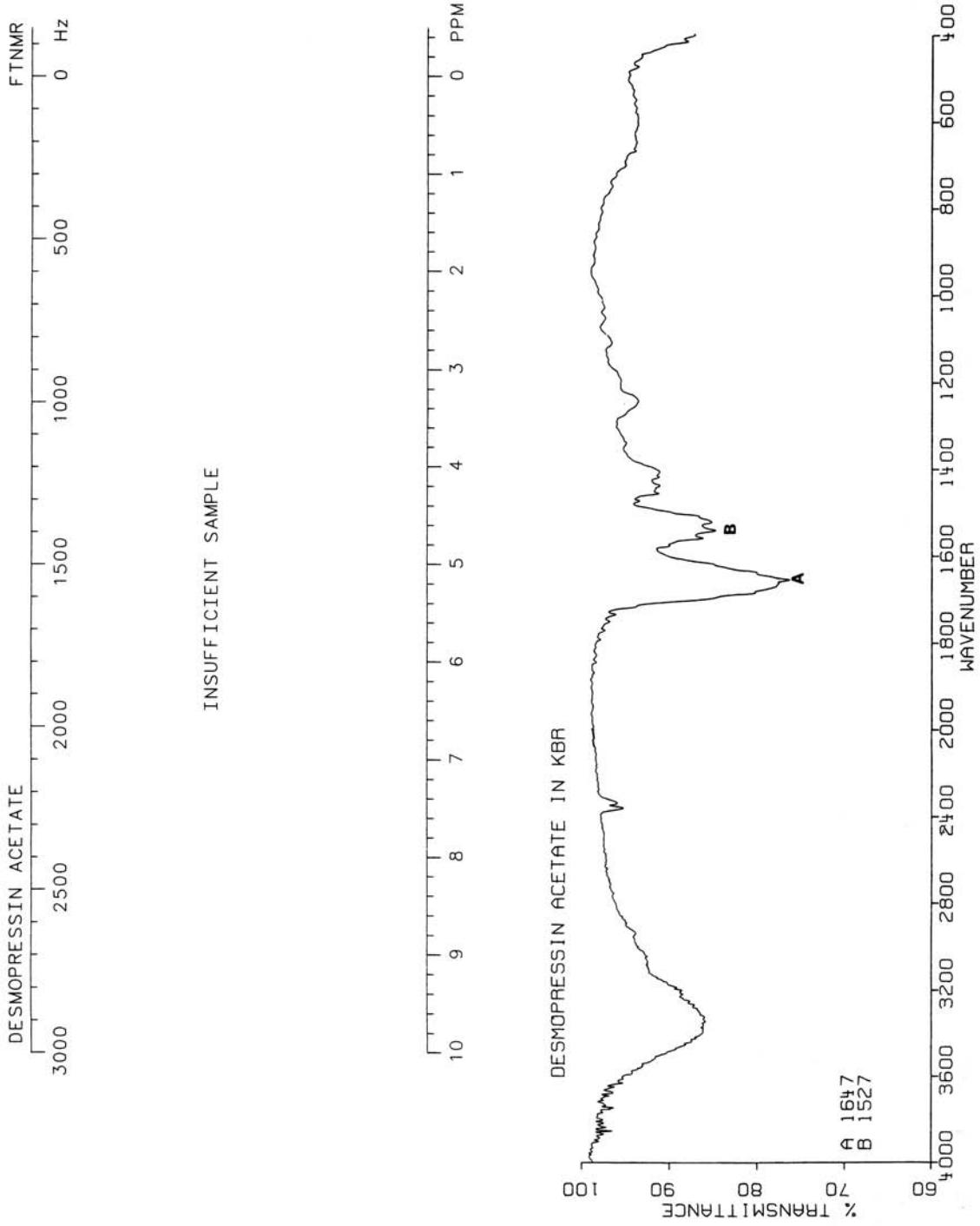


ACETATE



NO USEFUL MASS SPECTRUM WAS OBTAINED



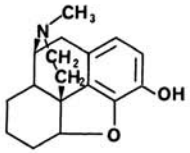

DESMOPRESSIN ACETATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SAMPLE
10 9 8 7 6 5 4 3 2 1 0 PPM
DESMOPRESSIN ACETATE IN KBR
A 1647
B 1527
A
B
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

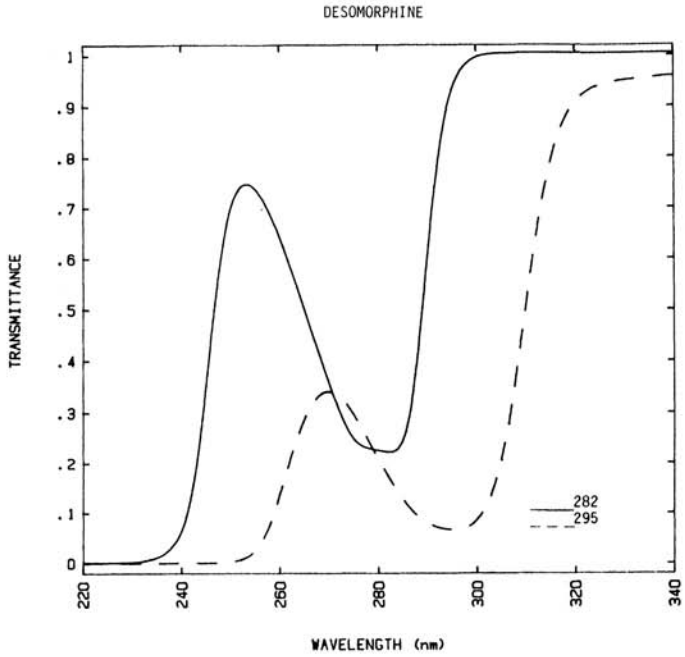
DESOMORPHINE

$C_{17}H_{21}NO_2$

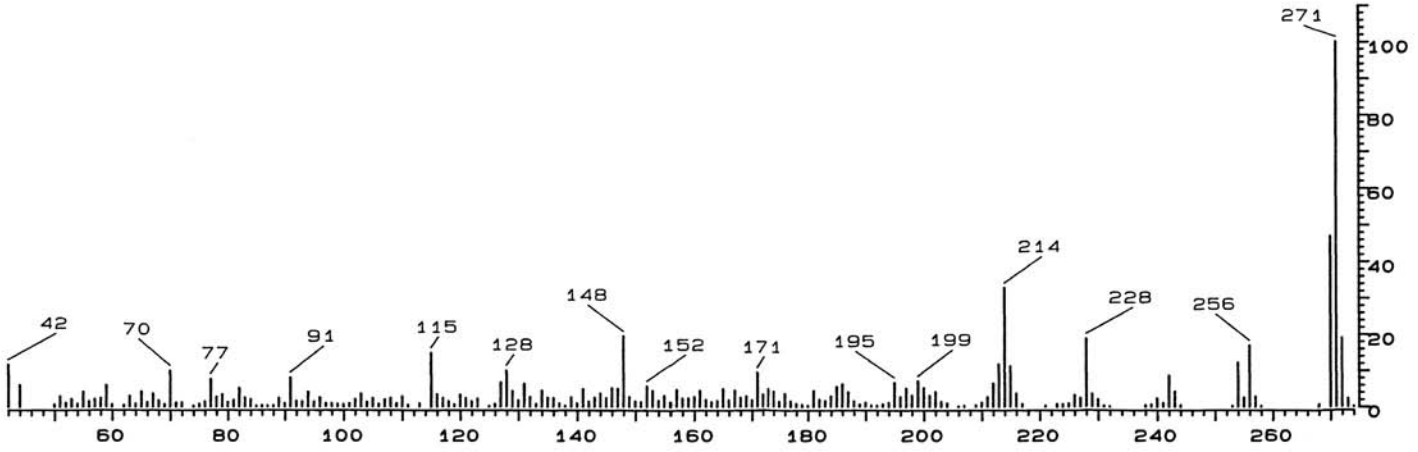
Molecular weight: 271.35 (271.16)
Synonyms: 4,5a-Epoxy-17-methylmorphinan-3-ol;
dihydrodesoxymorphine-D
Trade names: Permonia

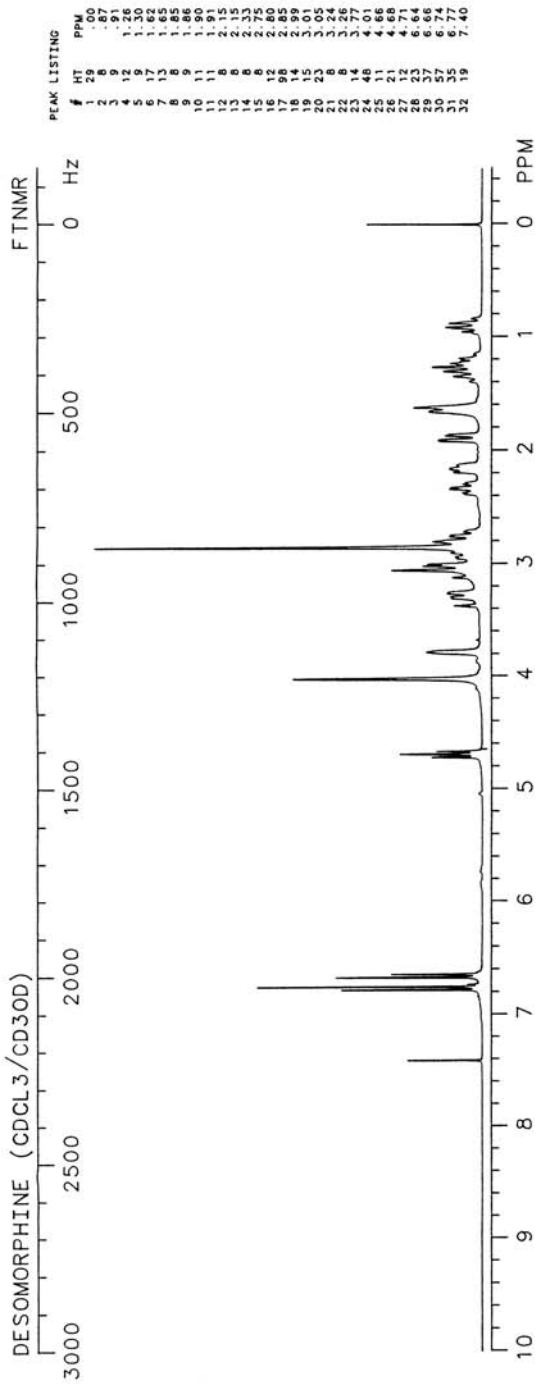
Use: Narcotic analgesic
HPLC: Si-10; 20A:80B; 4.6
GC: 2323; 250°C

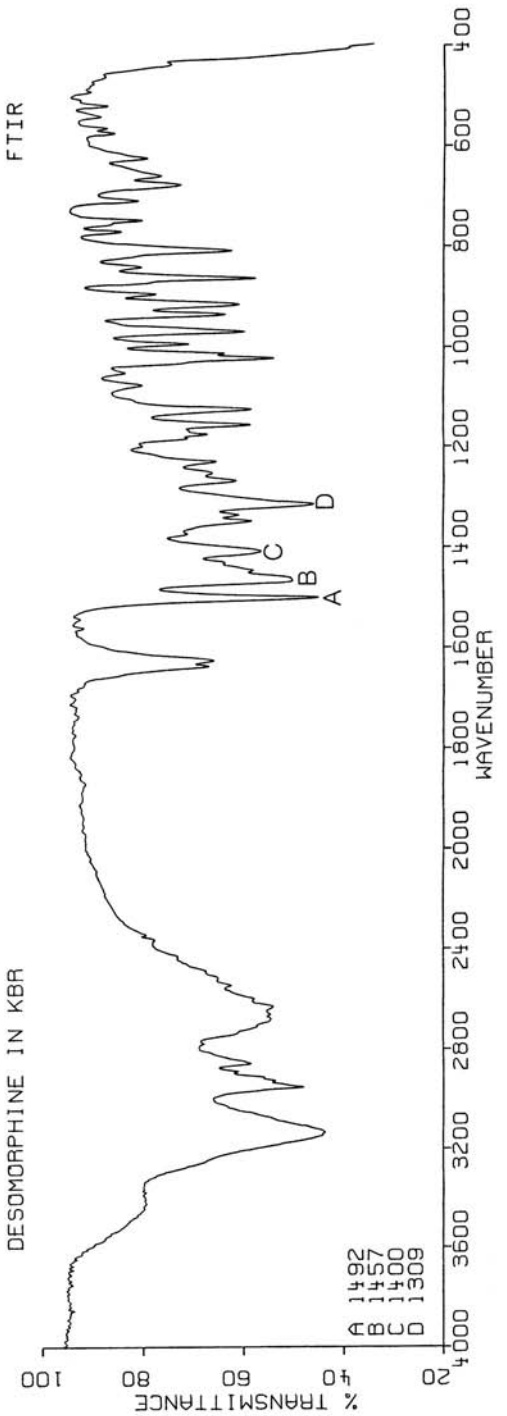




DESOMORPHINE




DESOMORPHINE (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 8 .87
3 9 .91
4 12 1.26
5 9 1.30
6 17 1.62
7 13 1.65
8 8 1.85
9 9 1.86
10 11 1.90
11 11 1.91
12 8 2.15
13 8 2.33
14 6 2.75
15 8 2.80
16 12 2.85
17 98 2.99
18 14 3.01
19 15 3.05
20 23 3.24
21 8 3.26
22 8 3.77
23 14 4.01
24 48 4.66
25 11 4.68
26 21 4.71
27 12 6.64
28 37 6.66
29 57 6.74
30 57 6.77
31 35 7.40
32 19 7.40

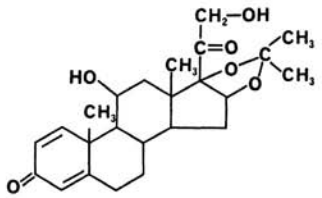

DESOMORPHINE IN KBR
FTIR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1492
B 1457
C 1400
D 1309
A
B
C
D

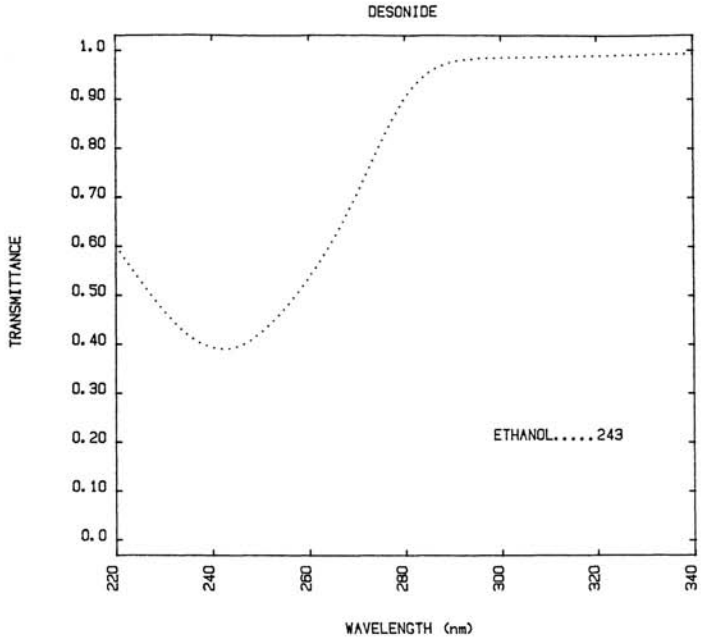
DESONIDE

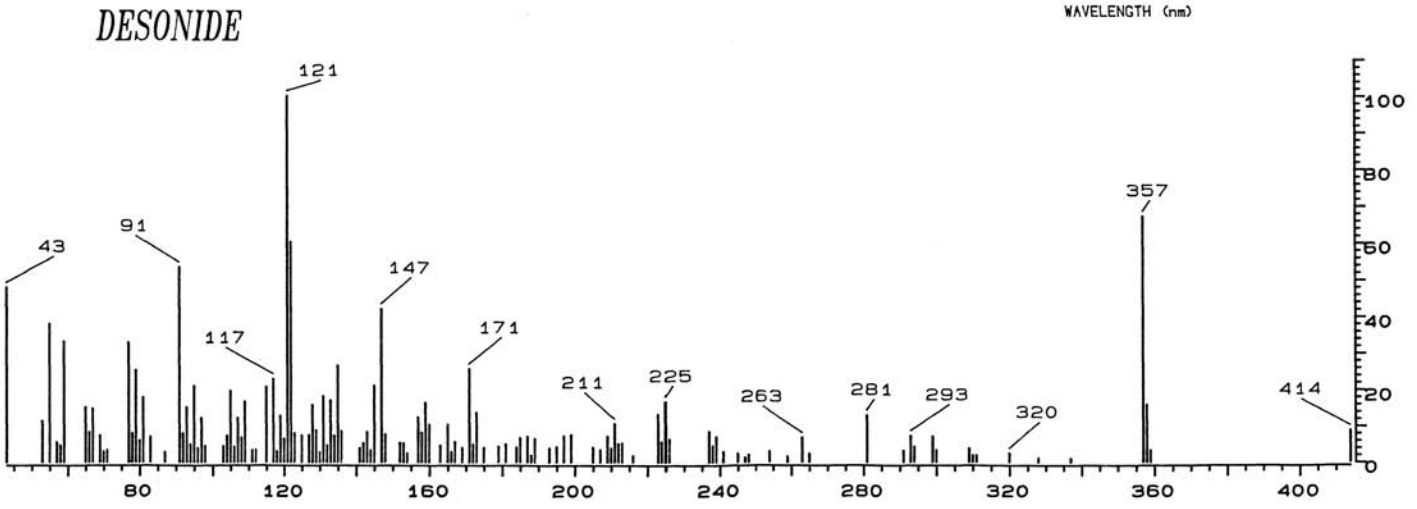
$C_{24}H_{32}O_6$

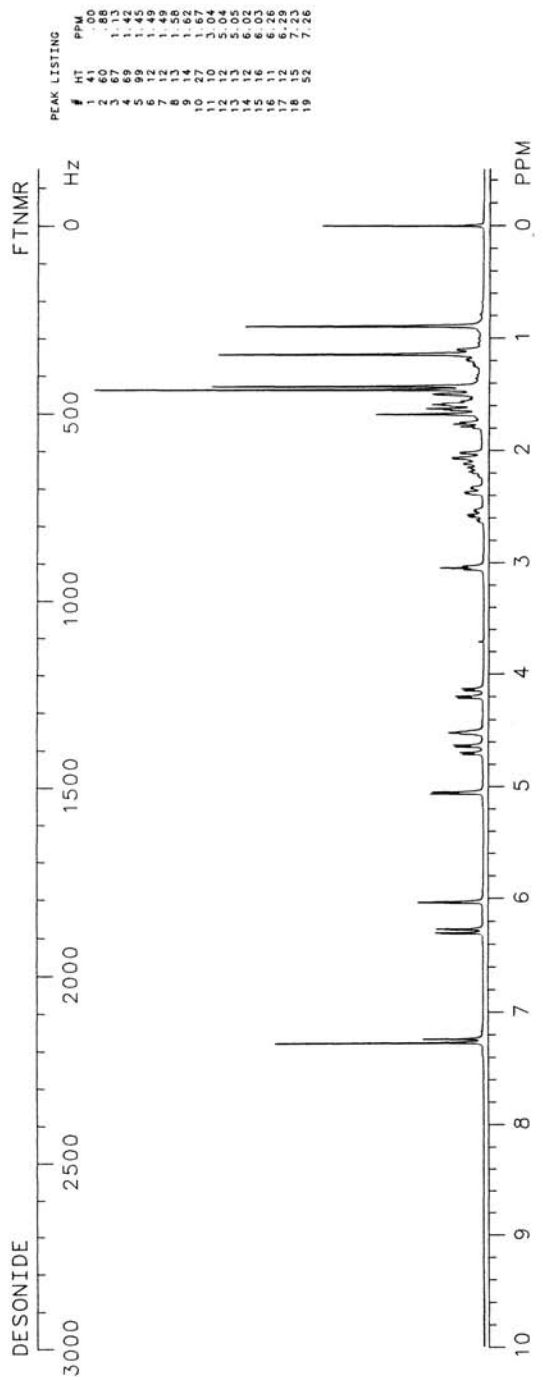
Molecular weight: 416.52 (416.22)
Synonyms: 11,21-Dihydroxy-16,17-[(1-methylethylidene)bis(oxy)pregna-1,4-diene-3,20-dione; prednacinolone; desfluorotriamcinolone acetonide
Trade names: Apolar, Locapred, Otic Tridesilon, Tridesilon

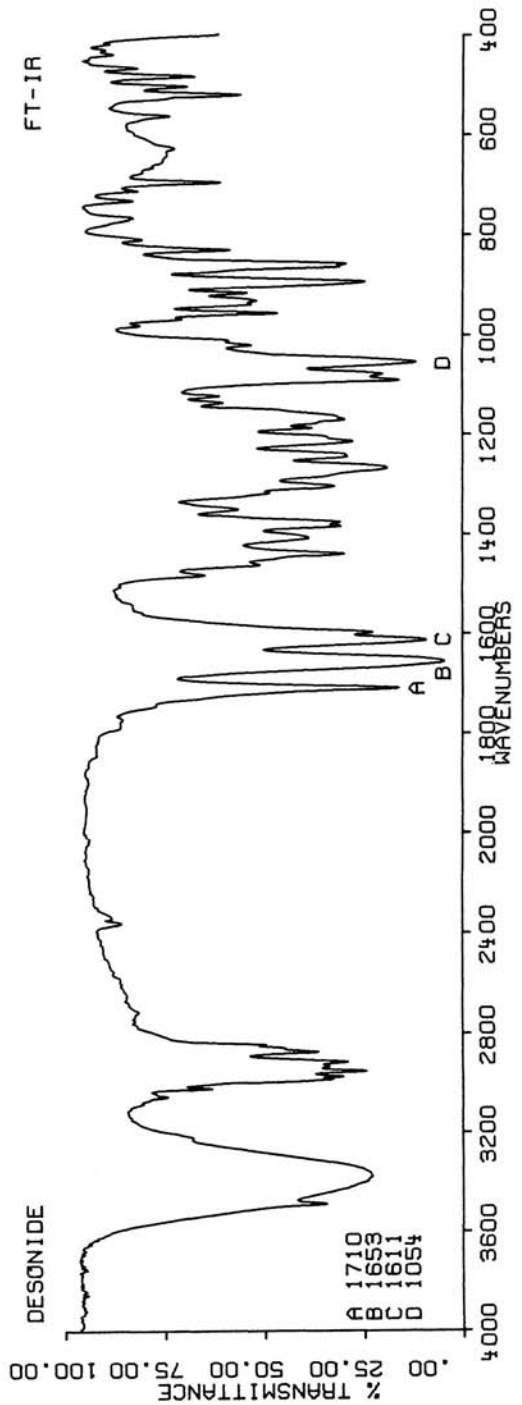
Use: Anti-inflammatory
HPLC: Si-10; 1A:99B; 4.4
GC: 3181; 280°C








DESONIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 41 .00
2 60 .88
3 67 1.13
4 69 1.42
5 99 1.45
6 12 1.49
7 12 1.49
8 13 1.58
9 14 1.62
10 27 1.67
11 10 3.04
12 12 5.04
13 13 5.05
14 12 6.02
15 11 6.03
16 11 6.26
17 12 6.29
18 15 7.23
19 52 7.26
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
DESONIDE
A 1710
B 1653
C 1611
D 1054
% 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

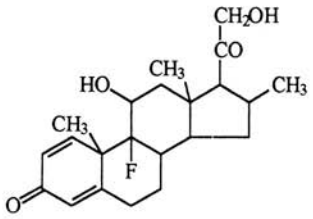
DESOXIMETASONE

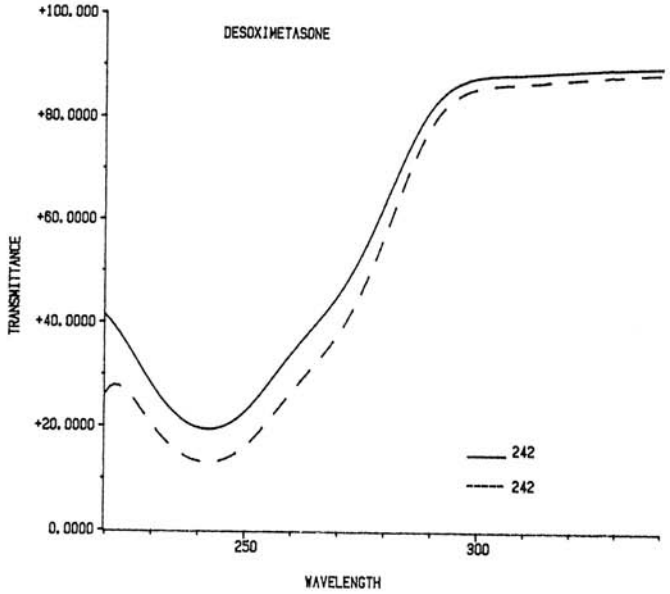
$C_{22}H_{29}FO_4$

Molecular Weight: 376.47 (376.20)

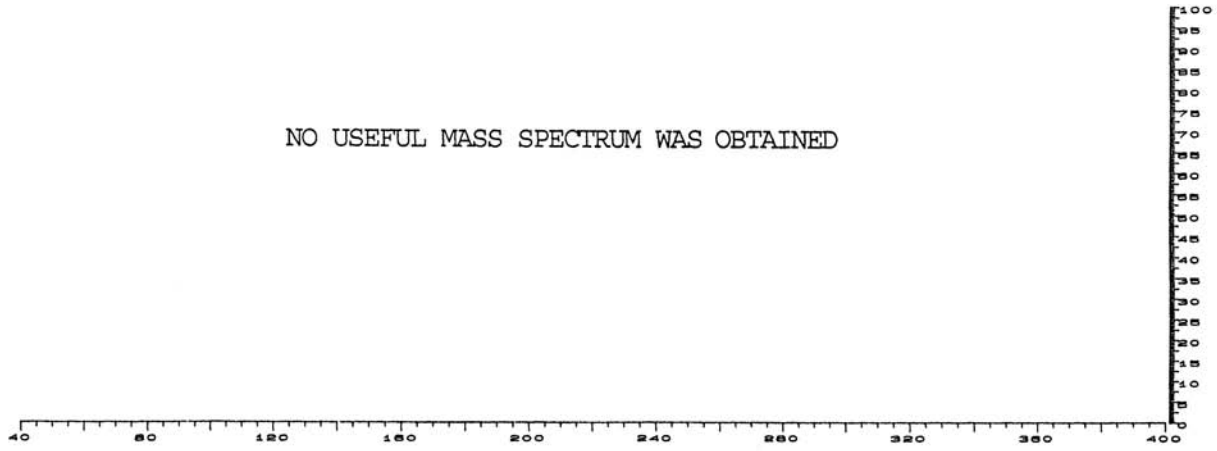
Synonyms: 9-Fluoro-11,21-dihydroxy-16-methylpregna-1,4-diene-3,20-dione; desoxymethasone
Trade Names: Esperson, Stiedex, Topicort, Topiderm, Topisolon
Use: Anti-inflammatory

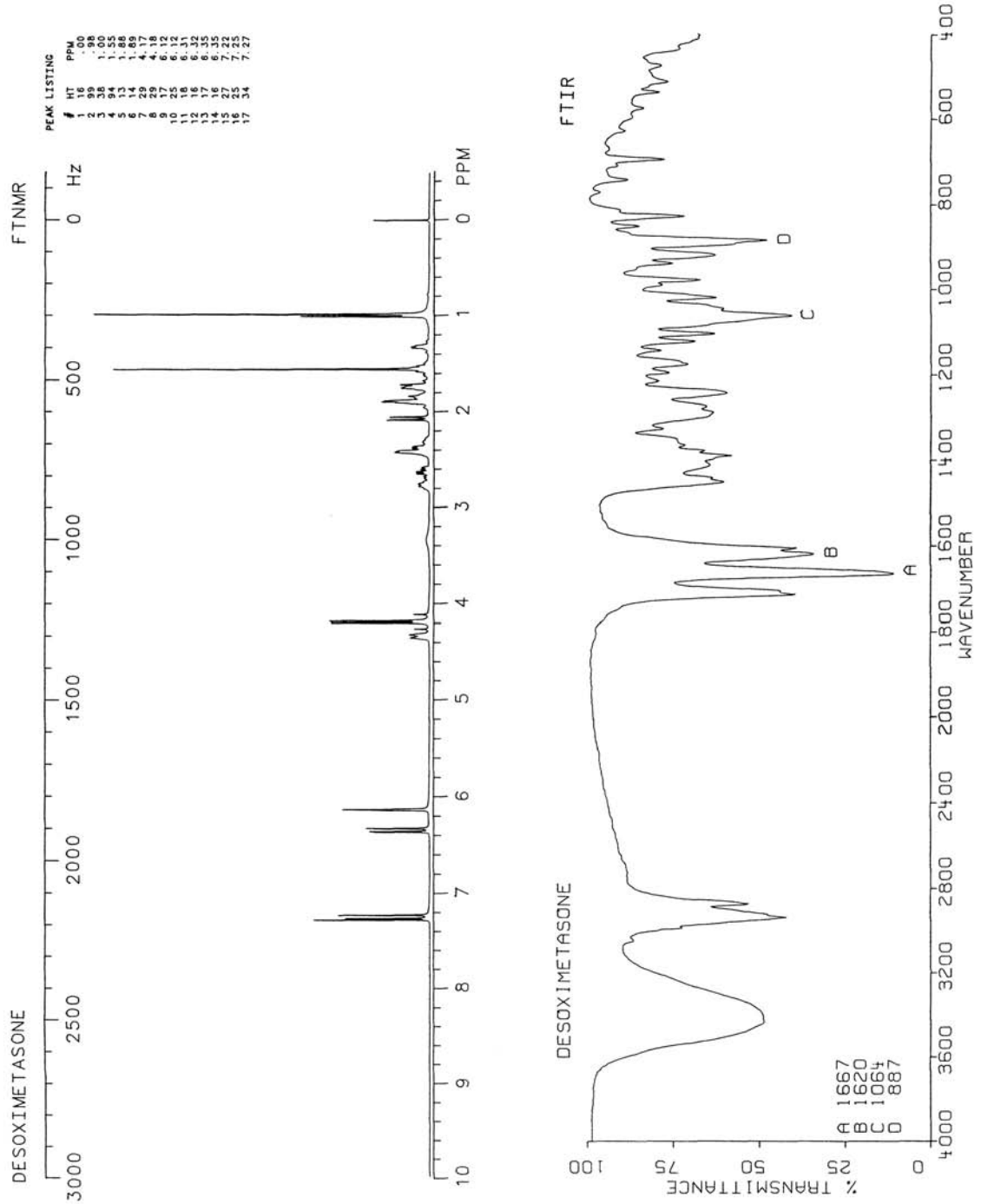
HPLC: Methanol: 2.9
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

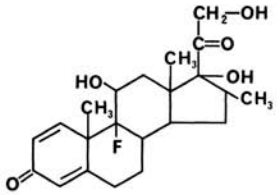


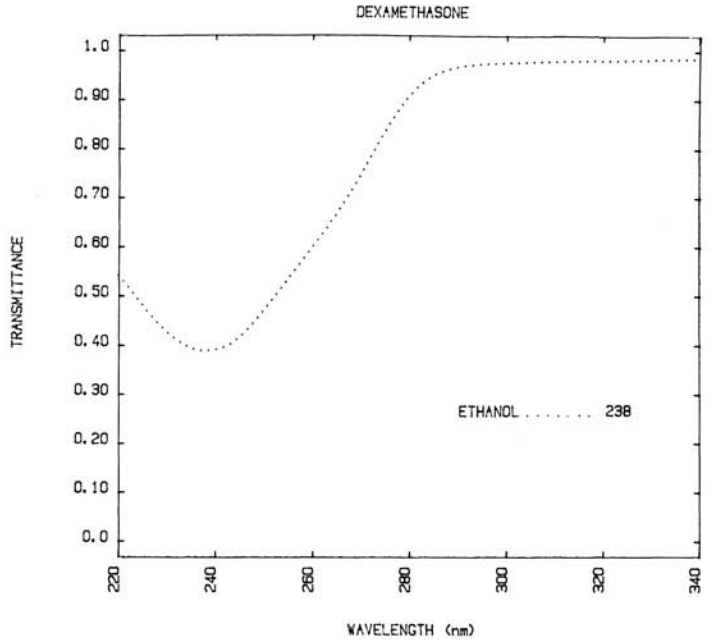

DESOXIMETASONE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 16 .00
2 99 .88
3 38 1.00
4 94 1.55
5 13 1.88
6 14 1.89
7 29 4.17
8 17 4.18
9 17 6.12
10 25 6.12
11 18 6.31
12 16 6.32
13 17 6.35
14 16 6.35
15 27 7.22
16 25 7.25
17 34 7.27
10 9 8 7 6 5 4 3 2 1 0 PPM
DESOXIMETASONE
FTIR
A 1667
B 1620
C 1064
D 887
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

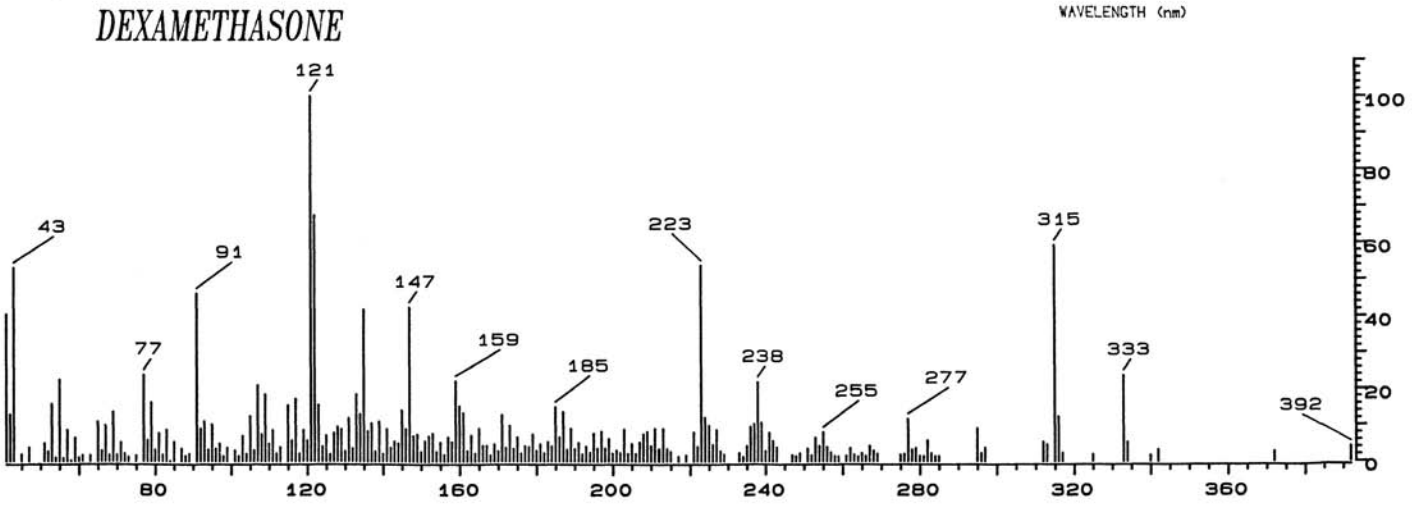
DEXAMETHASONE

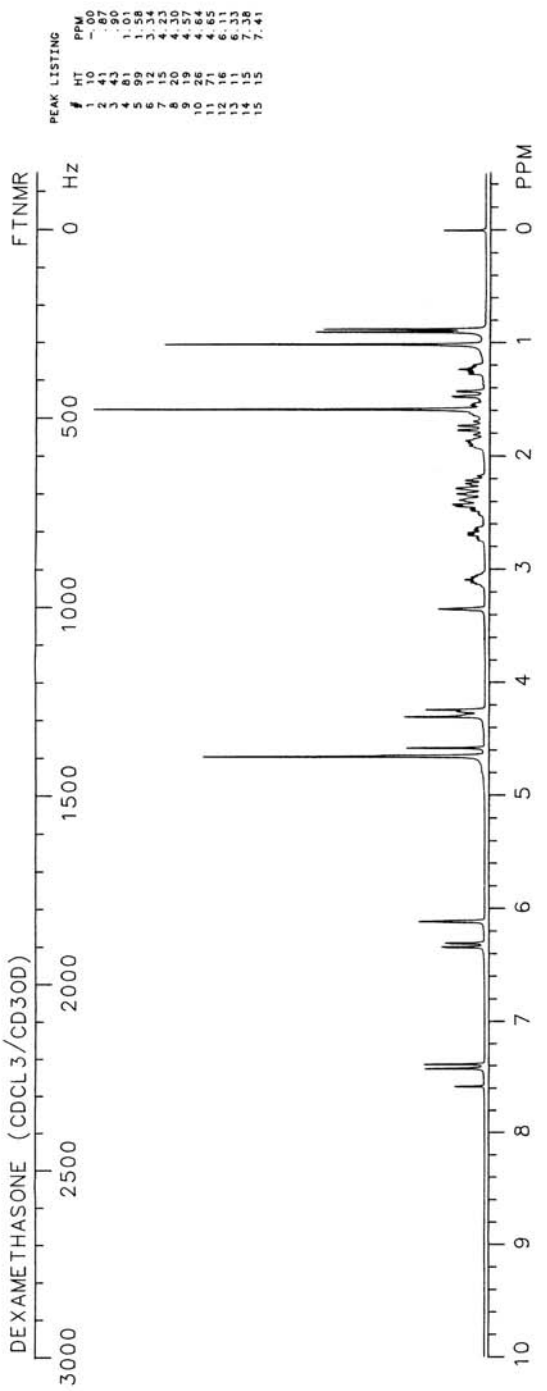
$C_{22}H_{29}FO_5$

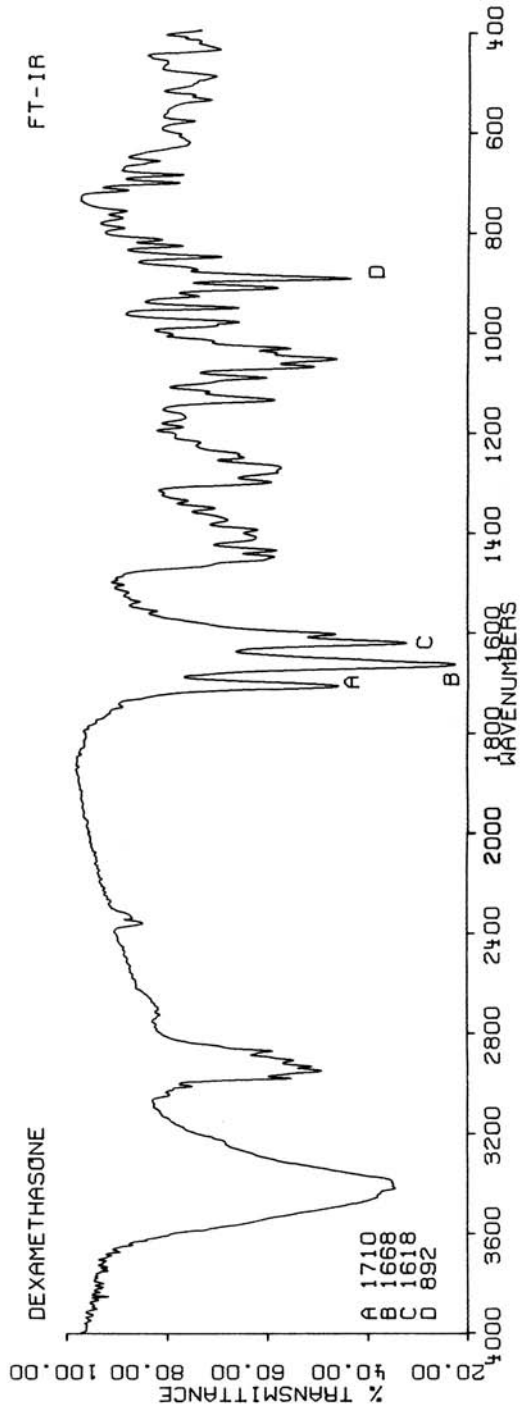
Molecular weight: 392.47 (392.20)
Synonyms: 9-Fluoro-11β,17,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione; hexadecadrol; 9α-fluoro-16α-methylprednisolone
Trade names: Aeroseb-Dex, Decadron, Decaspray, Dalalone, Dexasone-LA, Dexasone, Hexadrol, Neodecadron, Savacort-D, SK-Dexamethasone
Use: Glucocorticoid
HPLC: Si-10; 2A:98B; 5.6
GC:








FTNMR
DEXAMETHASONE (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 10 -.00
2 41 .87
3 43 .90
4 81 1.01
5 99 1.58
6 12 3.34
7 15 4.25
8 20 4.30
9 19 4.57
10 26 4.64
11 71 4.65
12 16 6.11
13 11 6.33
14 15 7.38
15 15 7.41

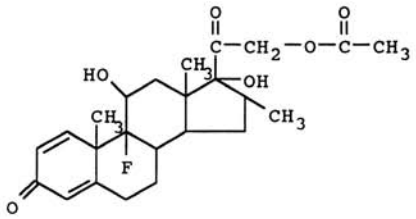

FT-IR
DEXAMETHASONE
A 1710
B 1668
C 1618
D 892
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

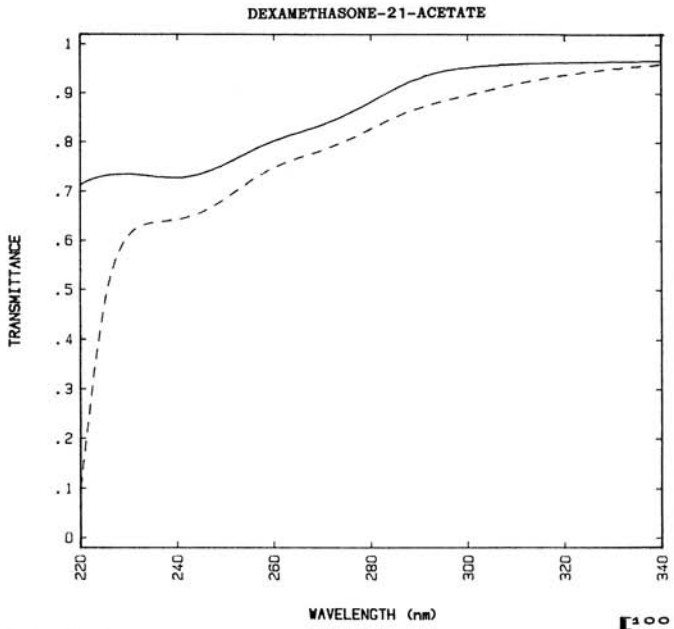
DEXAMETHASONE ACETATE

$C_{24}H_{31}FO_6$

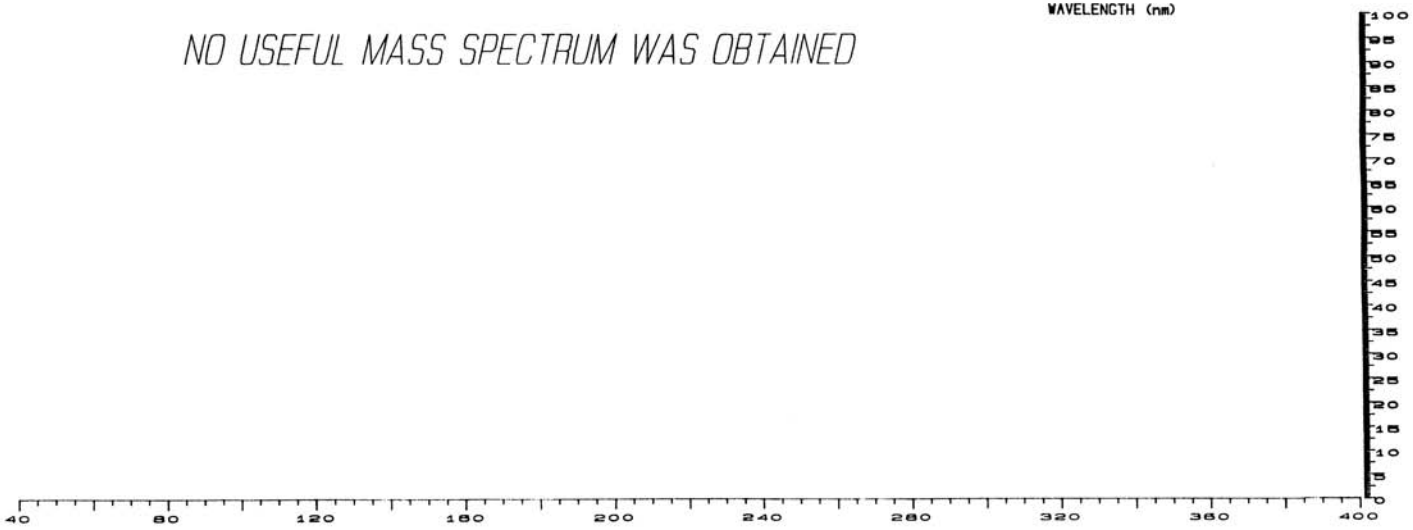
Molecular weight: 434.50 (434.21)

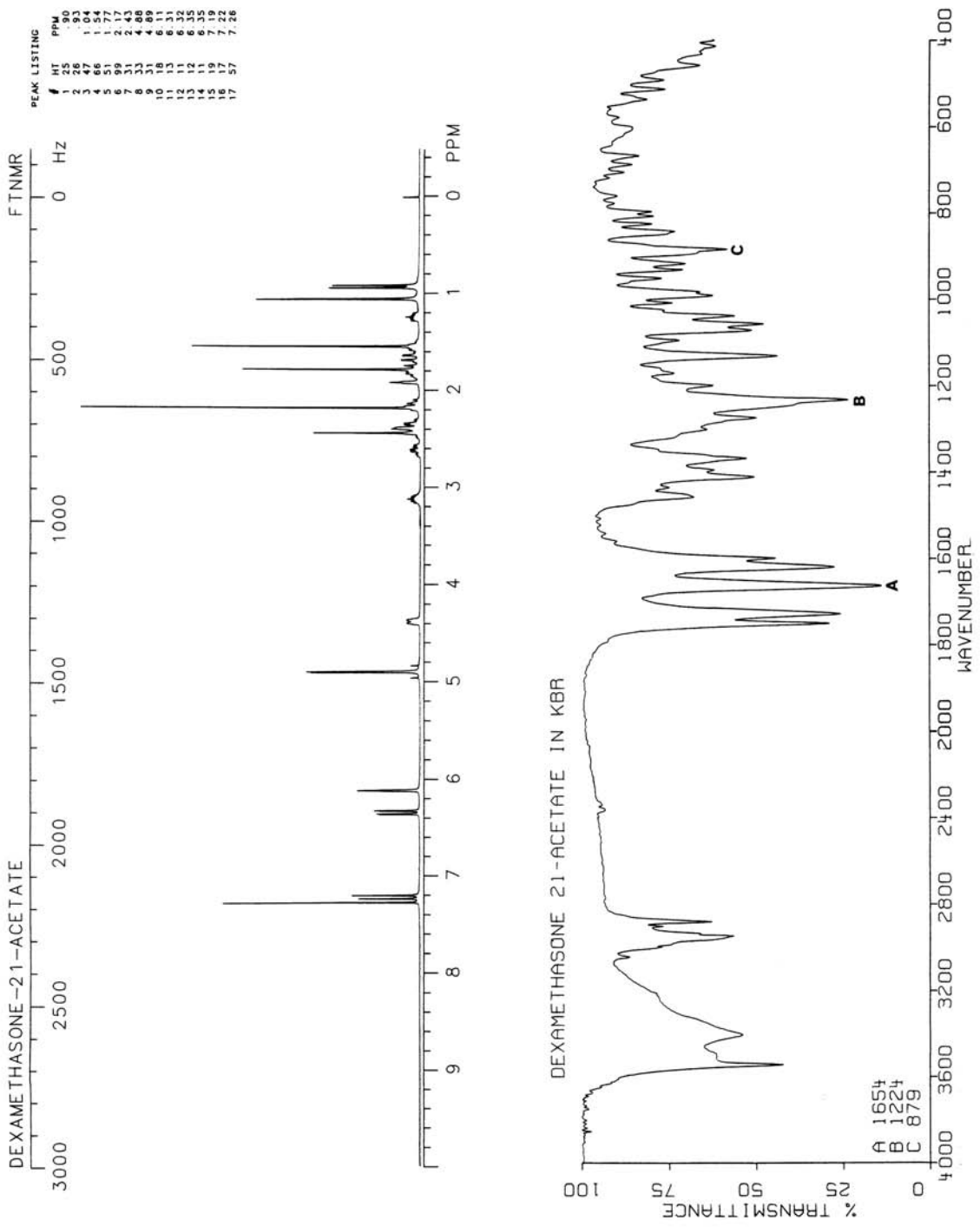
Synonyms: (11β,16α)-9-Fluoro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione-21-acetate; desamethasone acetate
Trade names: DecadronlLA, Dalalone, Dexamethasone, Dexasone, Fortecortin, Parasone
Use: Anti-inflammatory
HPLC: 90A:10B; 3.2
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



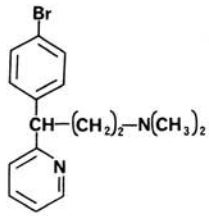

DEXAMETHASONE-21-ACETATE
FTNMR
PEAK LISTING
f HT PPM
1 25 .90
2 26 .93
3 47 1.04
4 66 1.54
5 51 1.77
6 99 2.17
7 31 2.43
8 33 4.88
9 31 4.89
10 18 6.11
11 11 6.32
12 11 6.32
13 12 6.35
14 11 6.35
15 19 7.19
16 17 7.22
17 57 7.26
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
DEXAMETHASONE 21-ACETATE IN KBR
A 1654
B 1224
C 879
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

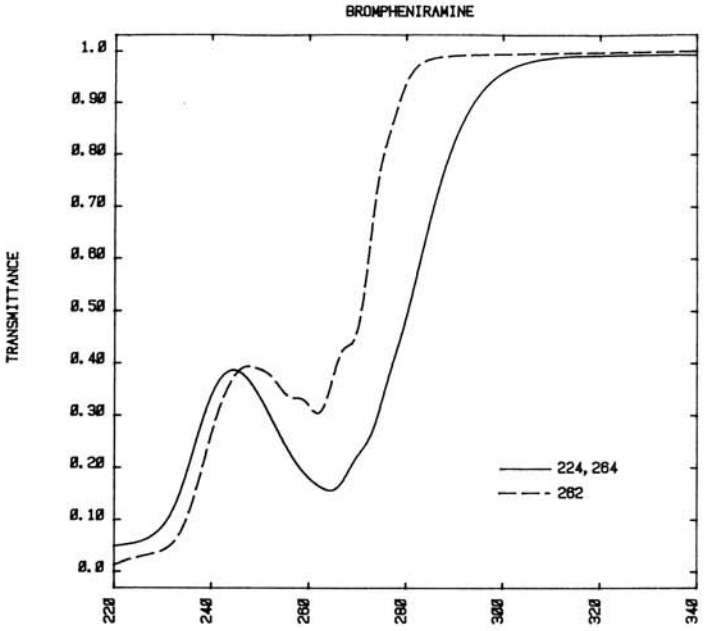
DEXBROMPHENIRAMINE

$C_{16}H_{19}BrN_2$

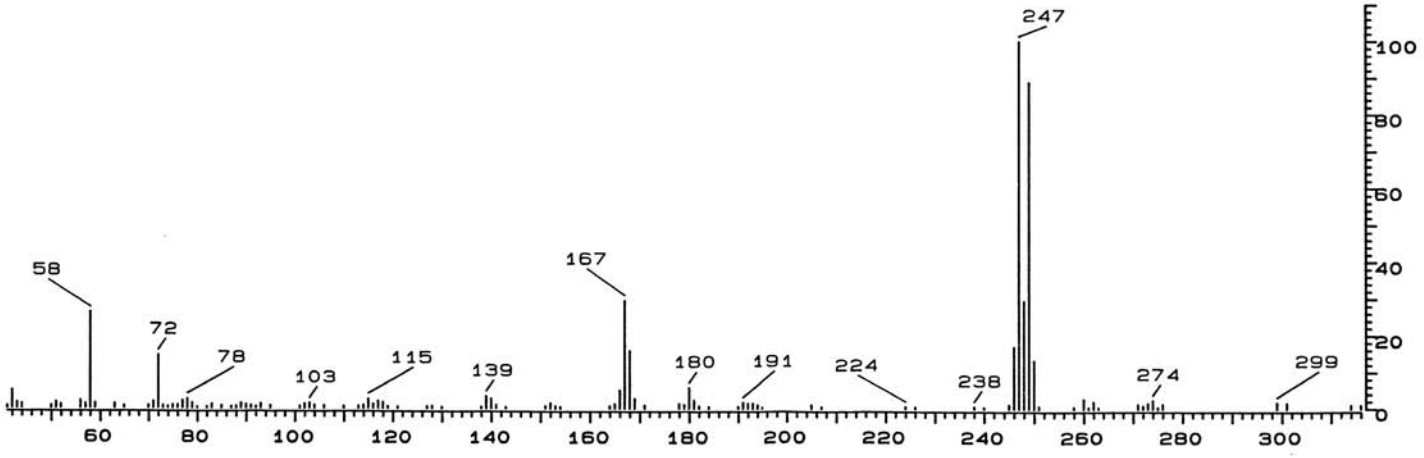
Molecular weight: 319.26 (318.07)
Synonyms: γ-(4-Bromophenyl)-N,N-dimethyl-2-pyridinepropanamine;
1-(p-bromophenyl)-1-(2-pyridyl)-3-dimethylaminopropane;
brompheniramine
Trade names: Dimetane

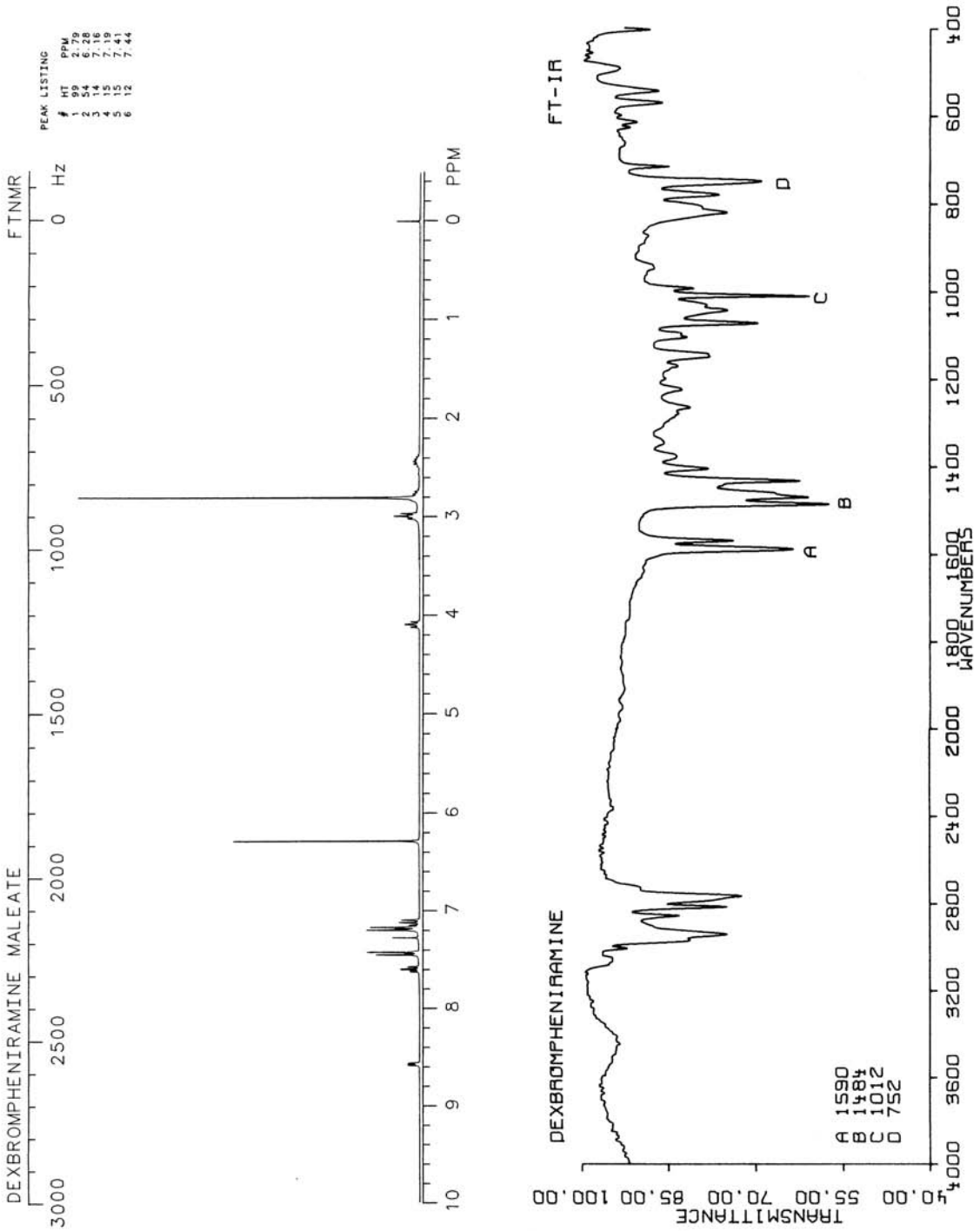
Use: Antihistaminic
HPLC: Si-10; 10A:90B; 6.2
GC: 2160; 250°C





BROMPHENIRAMINE




DEXBROMPHENIRAMINE MALEATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 2.79
2 54 6.28
3 14 7.16
4 15 7.19
5 15 7.41
6 12 7.44
10 9 8 7 6 5 4 3 2 1 0 PPM
DEXBROMPHENIRAMINE
FT-IR
A 1590
B 1484
C 1012
D 752
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

DEXETIMIDE

$C_{23}H_{26}N_2O_2$

Molecular weight: 362.45 (362.20)

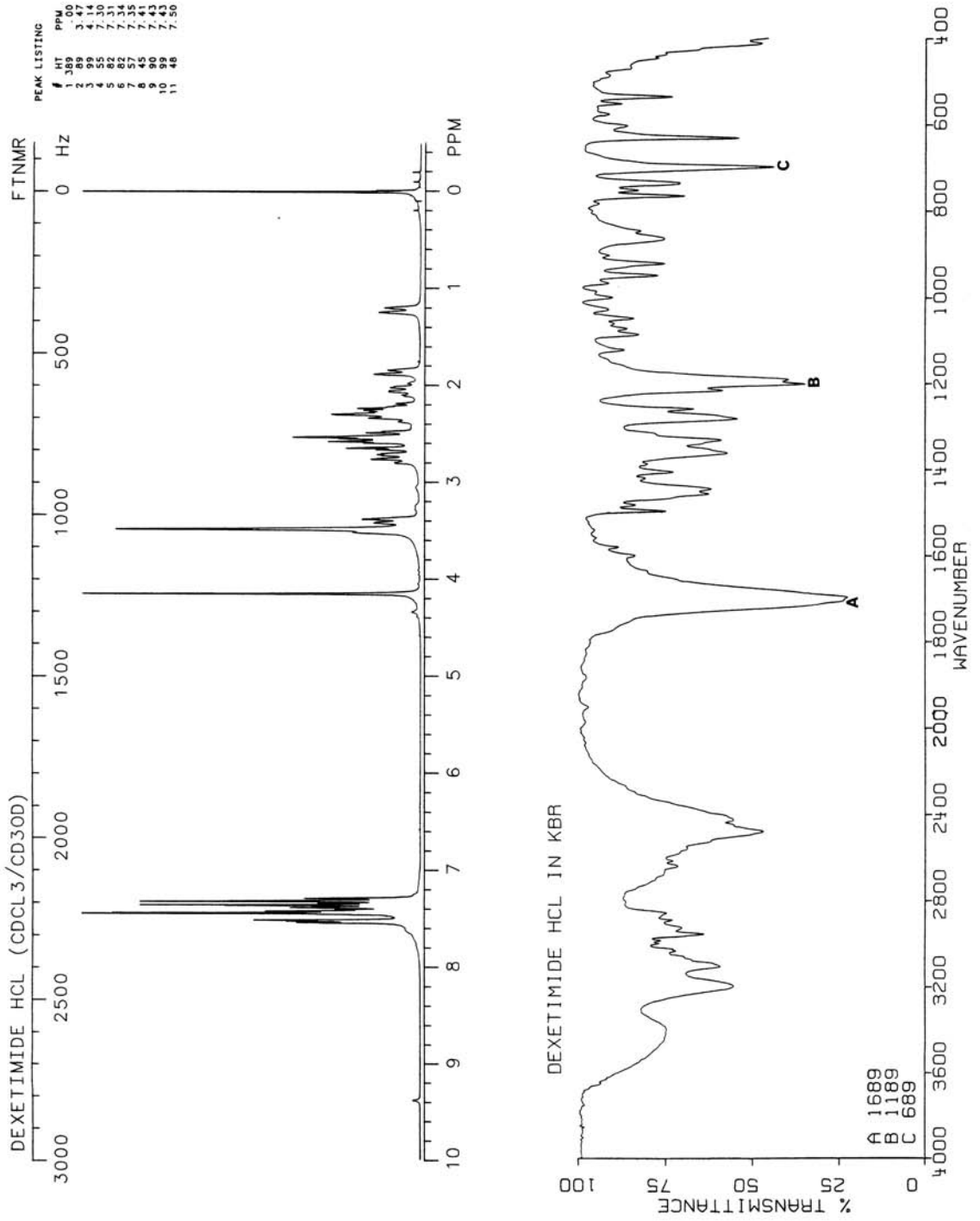
Synonyms: 3-Phenyl-1'-(phenylmethyl)-[3,4'-bipiperidine]-2, 6-dione; dextrobenzetimide; dexbenzetimide

Trade names: Tremblex

Use: Anticholinergic,m antiparkinsonian

HPLC: 70A:30C; 5.0

GC: 3150; 280'

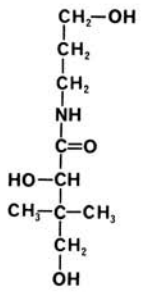

DEXETIMIDE HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 389 .00
2 89 3.47
3 89 4.14
4 55 7.30
5 82 7.31
6 82 7.34
7 57 7.35
8 45 7.41
9 90 7.43
10 99 7.43
11 46 7.50
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
DEXETIMIDE HCL IN KBR
A 1689
B 1189
C 689
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

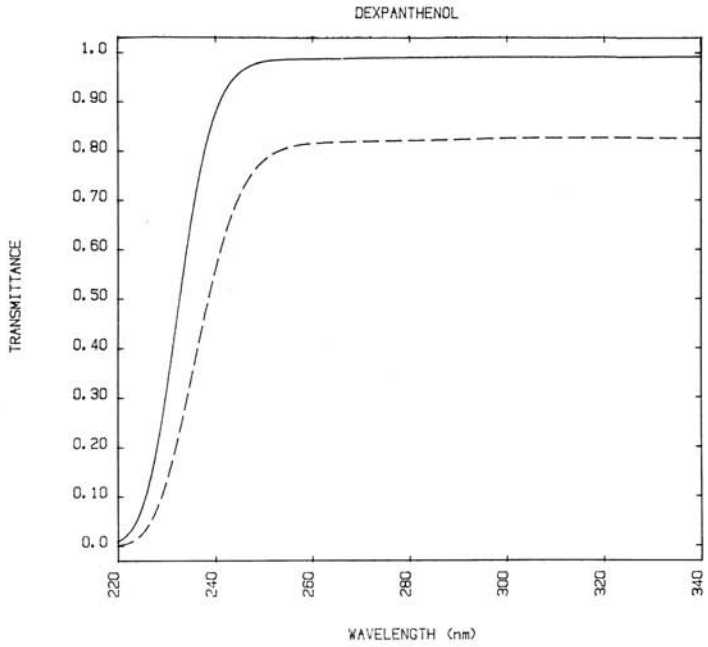
DEXPANTHENOL

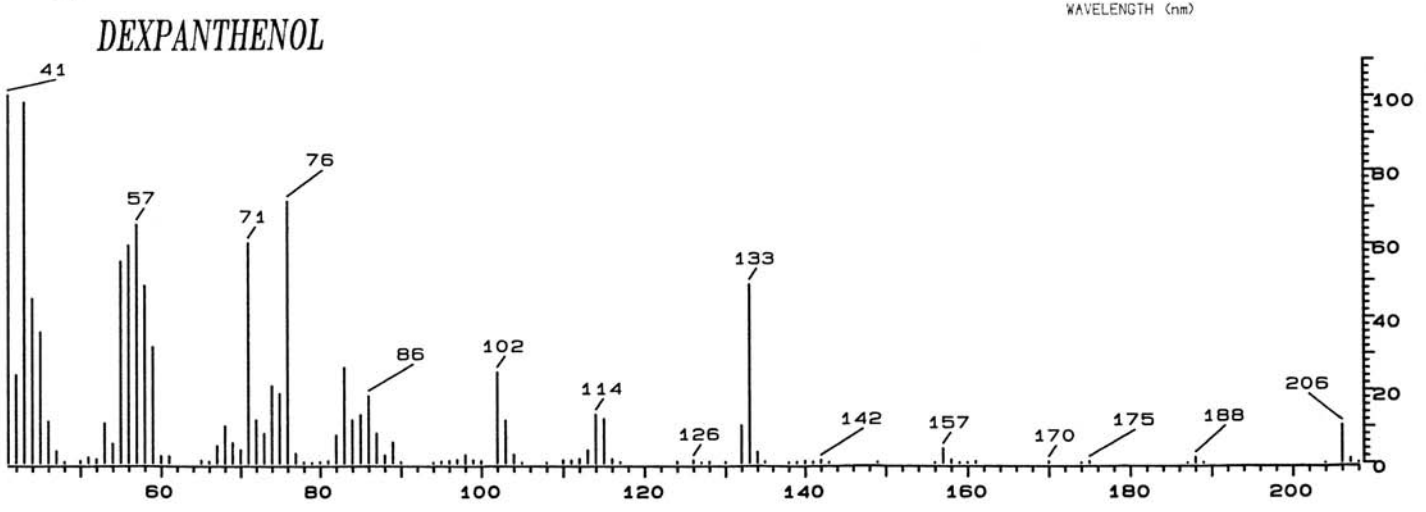
$C_9H_{19}NO_4$

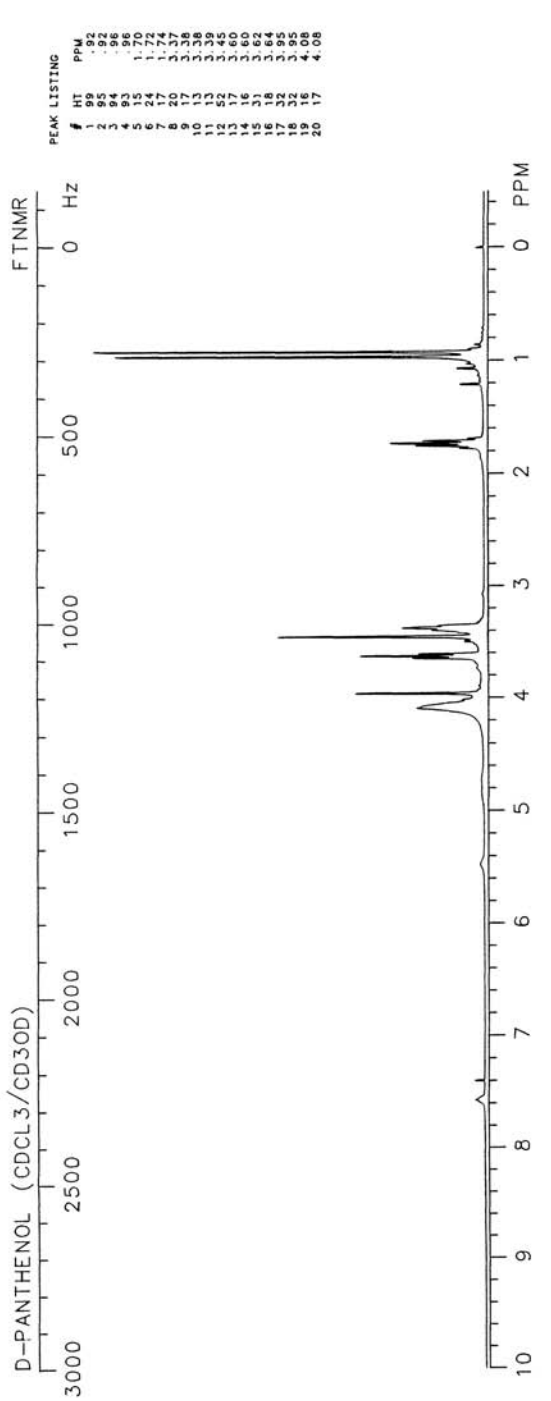
Molecular weight: 205.25 (205.13)
Synonyms: (R)-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-butanamide; pantothenol; pantothenylol
Trade names: Dexpanthenol, Ilopan, Panthoderm, Rovite

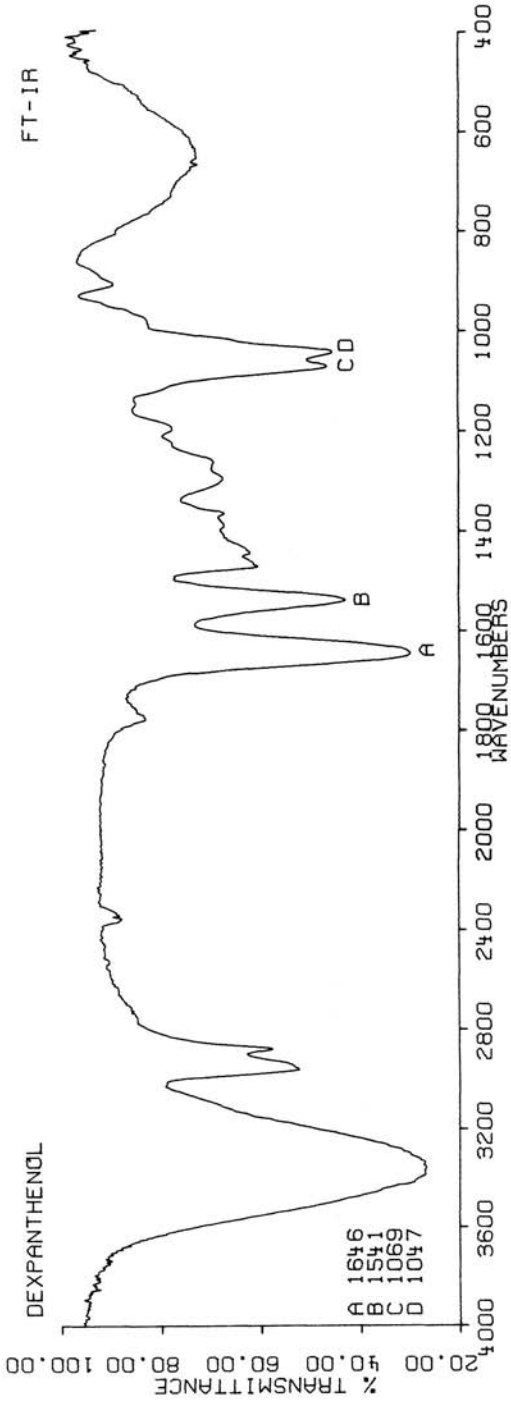
Use: Cholinergic
HPLC:
GC:








D-PANTHENOL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 .92
2 95 .92
3 94 .96
4 93 .96
5 15 1.70
6 24 1.72
7 17 1.74
8 20 3.37
9 17 3.38
10 13 3.38
11 13 3.39
12 52 3.45
13 17 3.60
14 16 3.60
15 31 3.62
16 18 3.64
17 32 3.95
18 32 3.95
19 16 4.08
20 17 4.08
10 9 8 7 6 5 4 3 2 1 0 PPM


DEXPANTHENOL
FT-IR
A 1646
B 1541
C 1069
D 1047
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

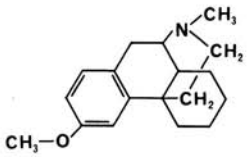
DEXTROMETHORPHAN

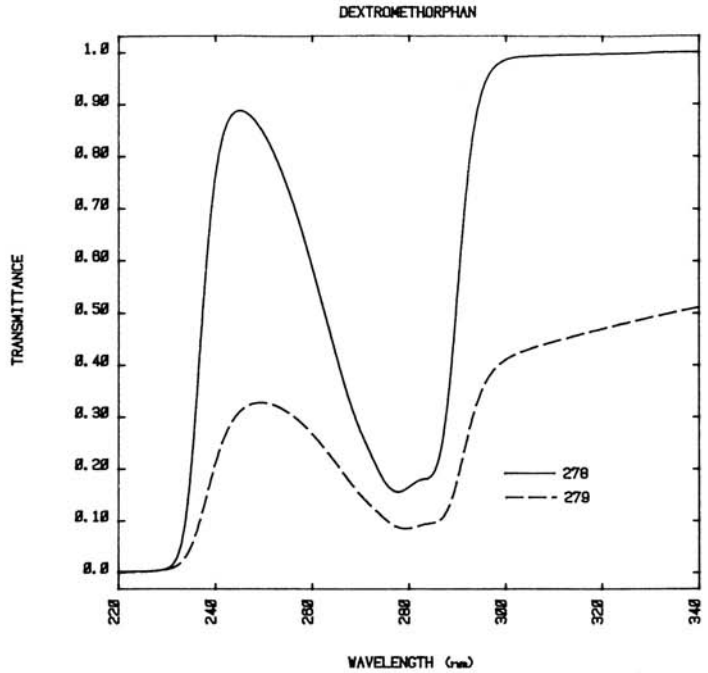
$C_{18}H_{25}NO$

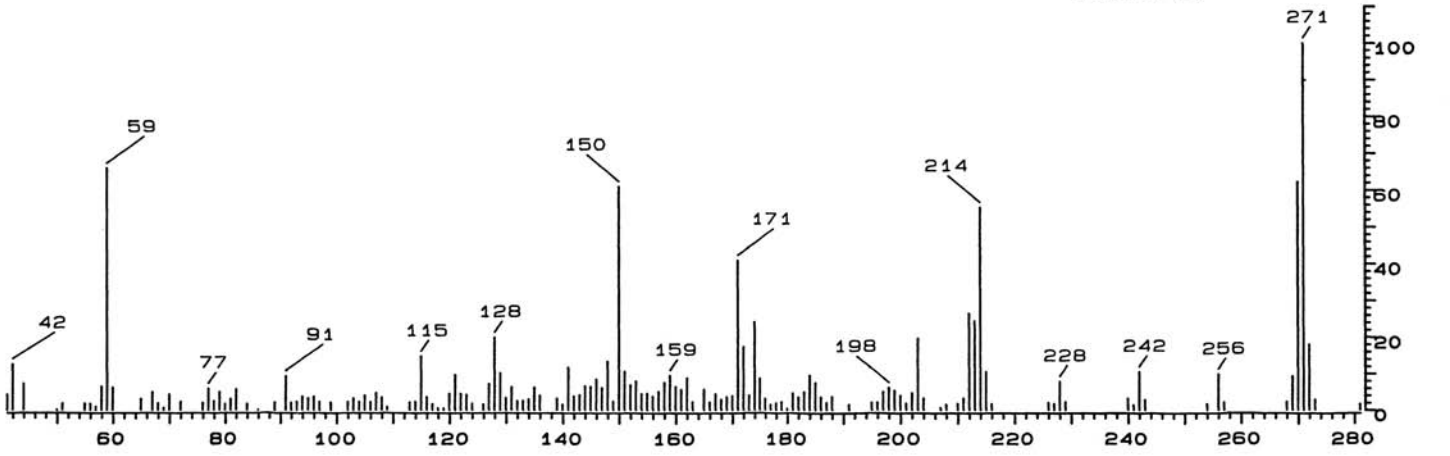
Molecular weight: 271.40 (271.19)
Synonyms: d-3-Methoxy-N-methylmorphinan; methorphan

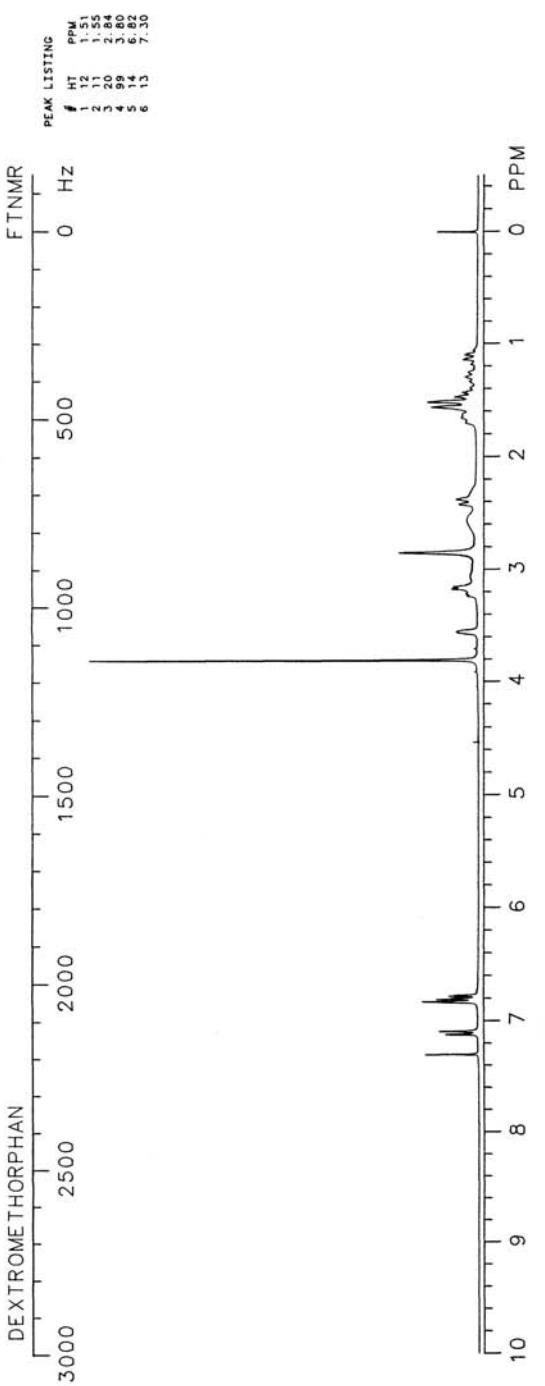
Trade names: Ingredient in numerous cough preparations

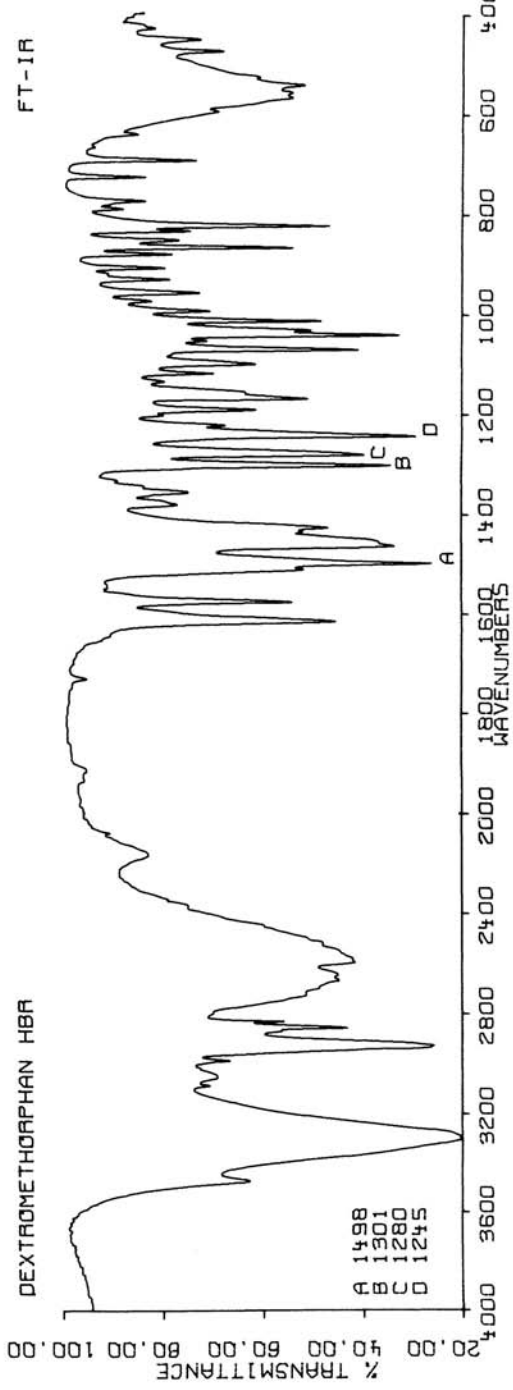
Use: Antitussive
HPLC: Si-10; 10A:90B; 6.0
GC: 2210; 250°C








DEXTROMETHORPHAN
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 12 1.51
2 11 1.55
3 20 2.84
4 99 3.80
5 14 6.82
6 13 7.30
10
9
8
7
6
5
4
3
2
1
0 PPM


DEXTROMETHORPHAN HBR
FT-IR
A 1498
B 1301
C 1280
D 1245
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

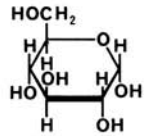
DEXTROSE

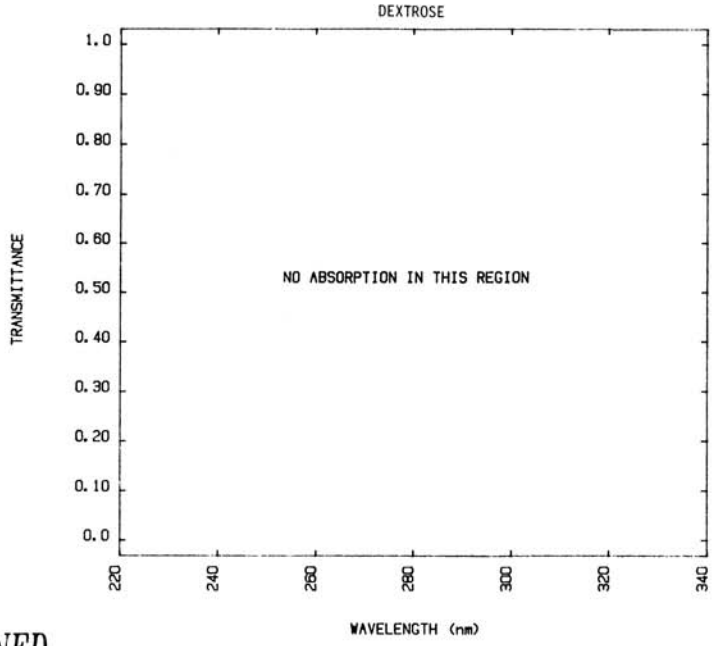
$C_6H_{12}O_6$

Molecular weight: 180.16 (180.06)
Synonyms: d-Glucose; glucose; corn sugar; blood sugar; grape sugar

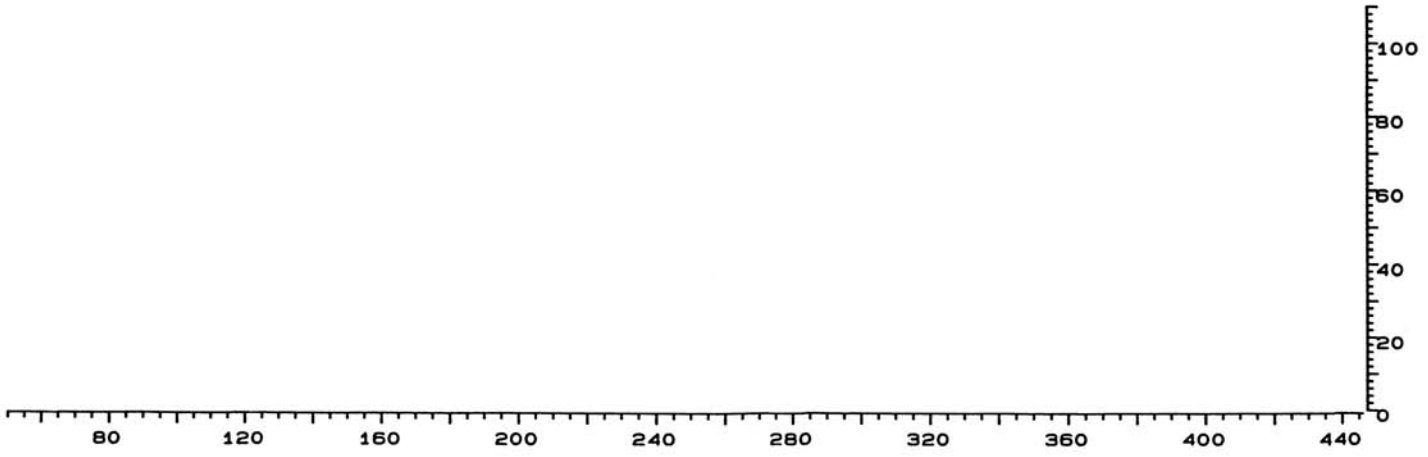
Trade names: Dextrose, Hydra-Lyte

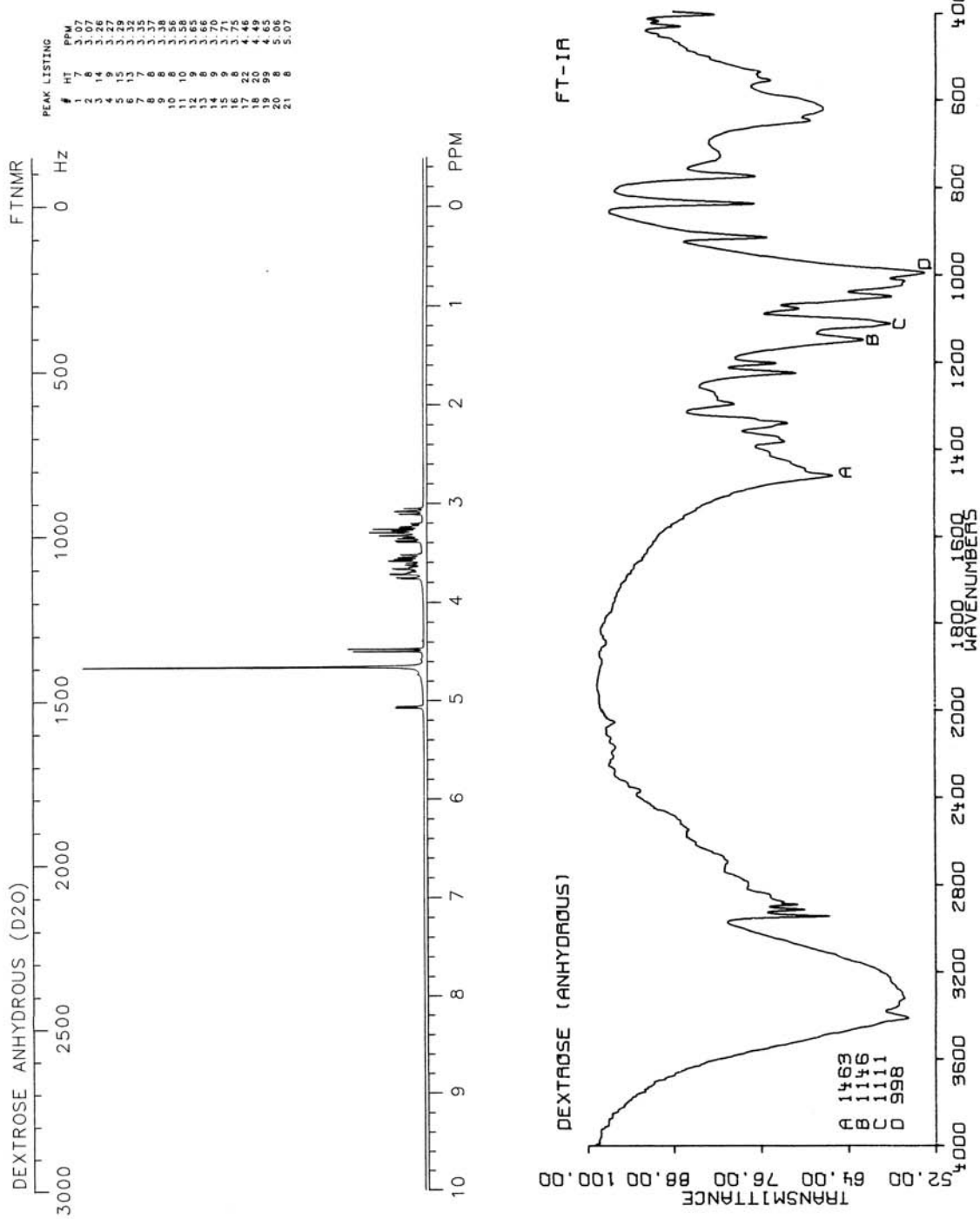
Use: Nutrient
HPLC: Li-NH_2; 70D:30E; 7.2
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

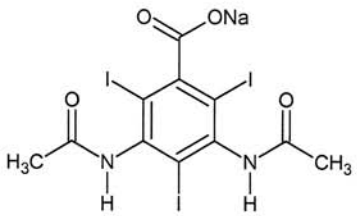


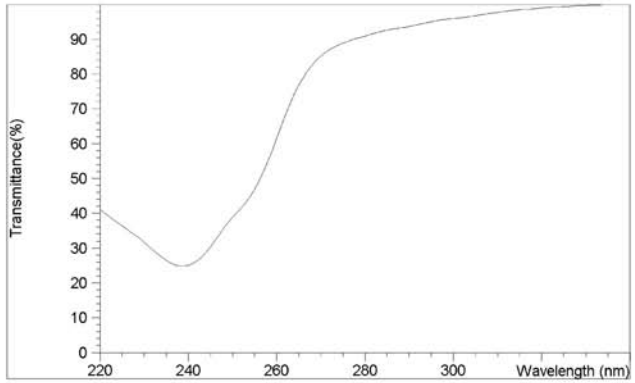

DEXTROSE ANHYDROUS (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 7 3.07
2 8 3.07
3 14 3.26
4 9 3.27
5 15 3.29
6 13 3.32
7 7 3.35
8 8 3.37
9 8 3.38
10 8 3.56
11 10 3.58
12 8 3.65
13 8 3.66
14 9 3.70
15 9 3.71
16 8 3.75
17 22 4.46
18 20 4.49
19 98 5.05
20 98 5.06
21 8 5.07
DEXTROSE (ANHYDROUS)
FT-IR
A 1463
B 1146
C 1111
D 998
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

DIATRIZOATE SODIUM

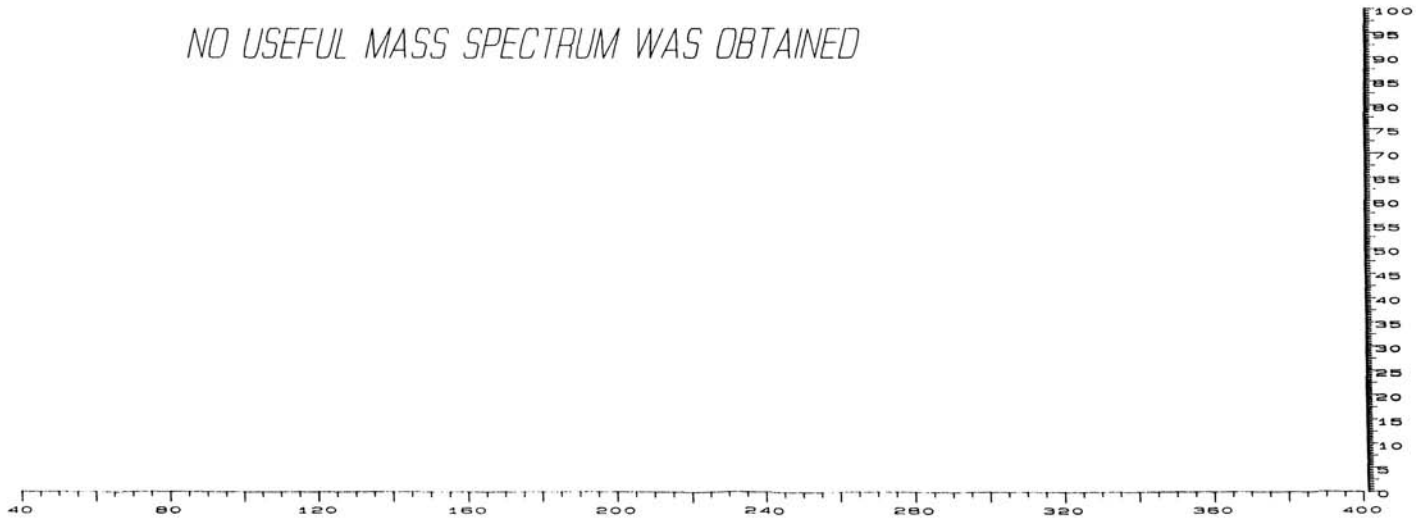
$C_{11}H_8I_3N_2NaO_4$

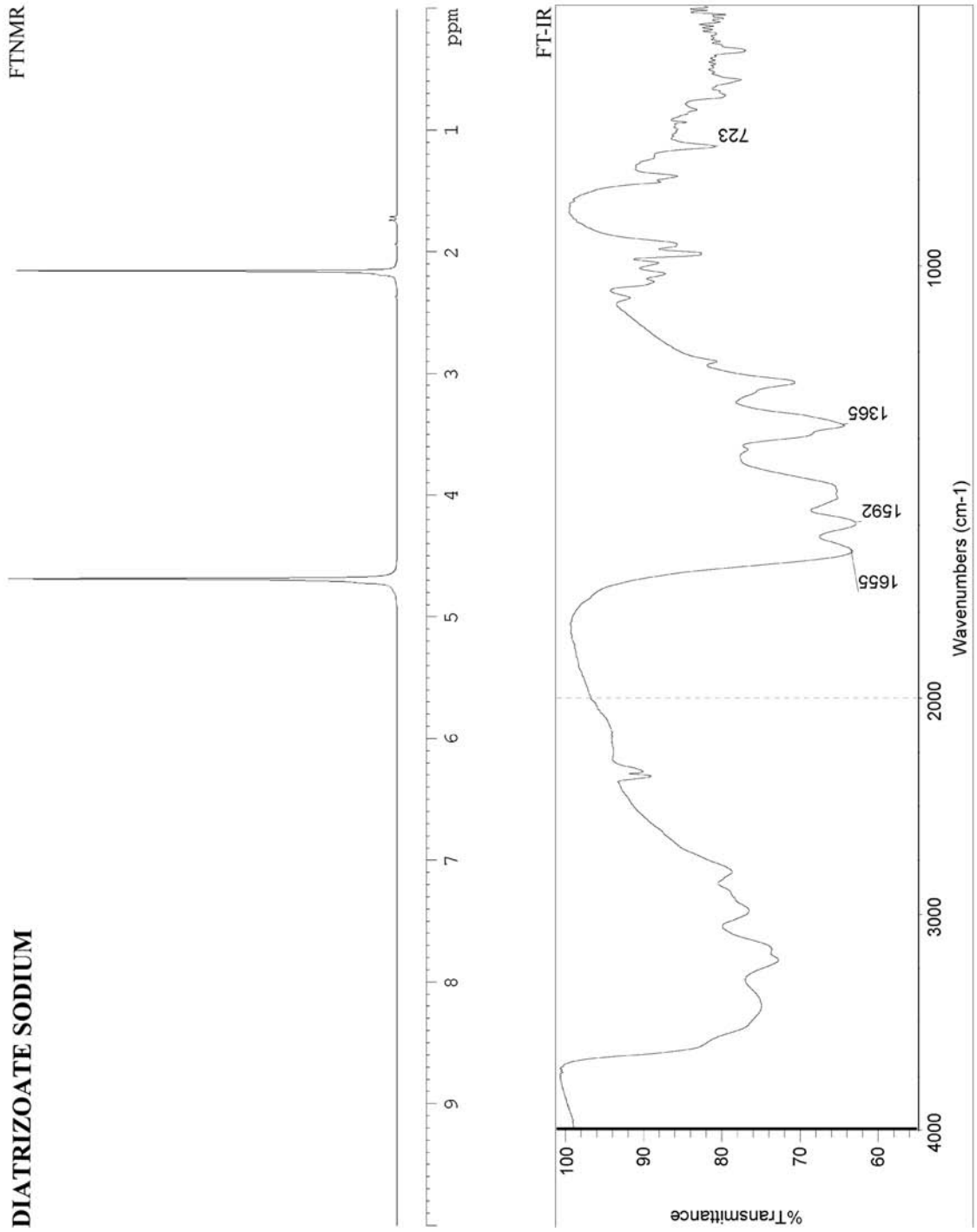
Molecular Weight: 635.90 (635.75)
Synonyms: 3,5-bis(Acetylamino)-2,4,6-triiodo-benzoate monosodium salt; Monosodium; 3,5-diacetamido-2,4,6-triiodobenzoate
Trade names: Renografin, Renvovist
Use: Medical imaging agent





NO USEFUL MASS SPECTRUM WAS OBTAINED




DIATRIZOATE SODIUM
FTNMR
ppm
9
8
7
6
5
4
3
2
1
FT-IR
%Transmittance
100
90
80
70
60
4000
3000
2000
1000
Wavenumbers (cm-1)
1655
1592
1365
723

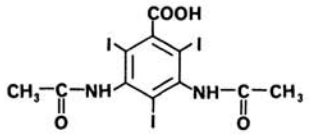
DIATRIZOIC ACID

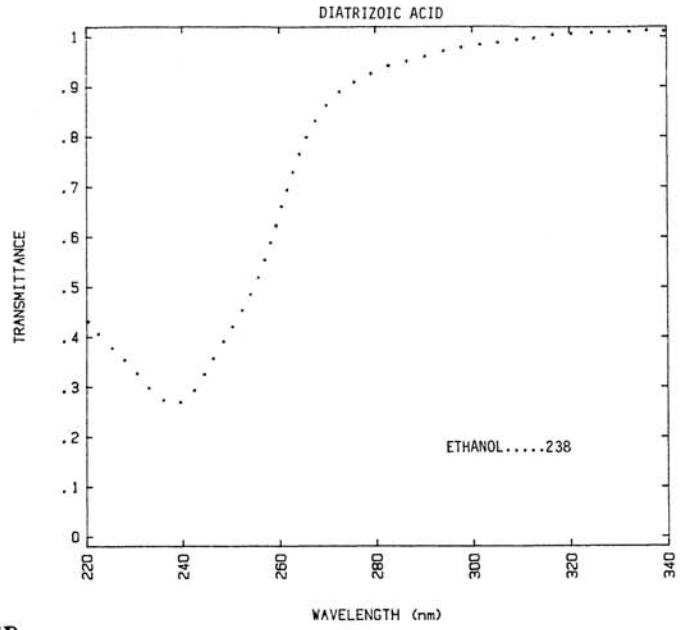
$C_{11}H_9I_3N_2O_4$

Molecular weight: 613.92 (613.76)
Synonyms: 3,5-Bis(acetylamino)-2,4,6-triiodobenzoic acid

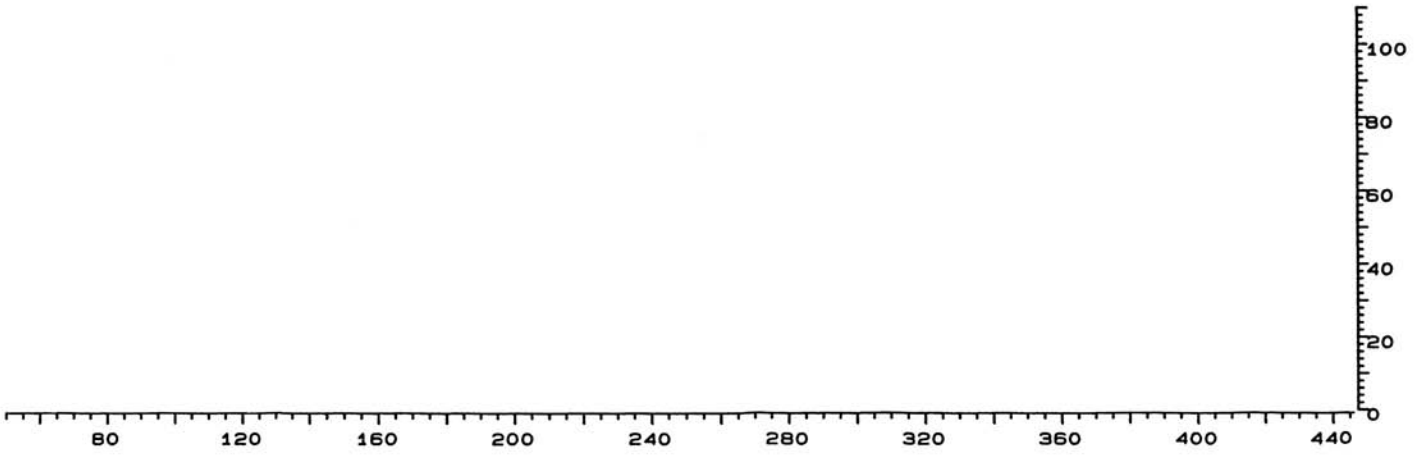
Trade names:

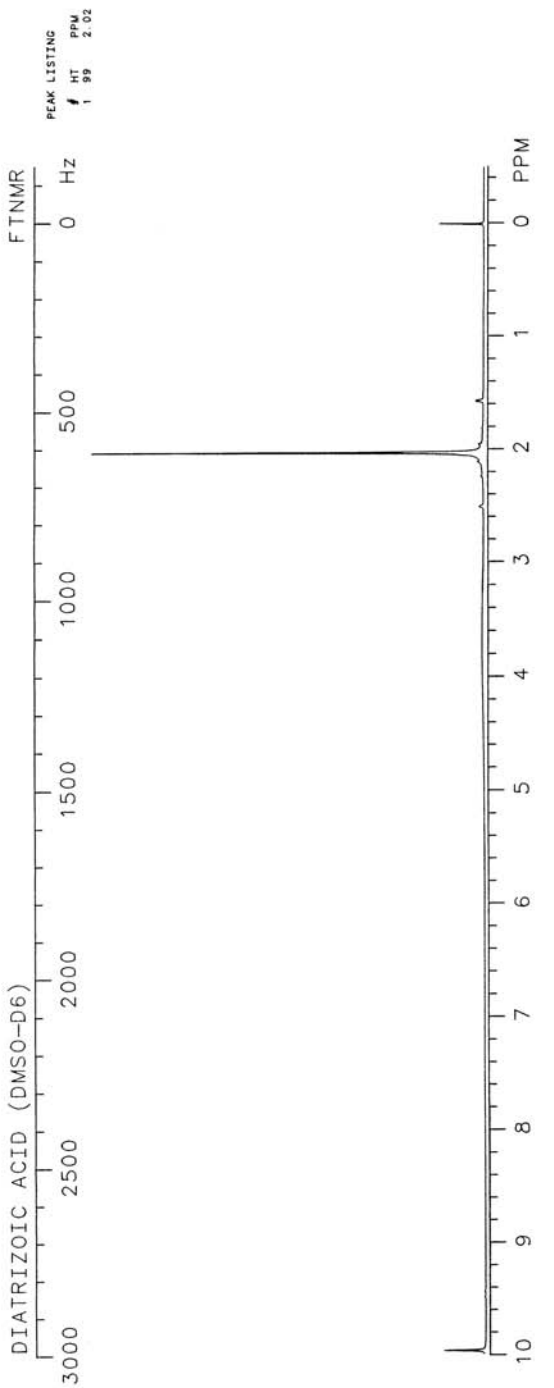
Use: Diagnostic aid
HPLC: Si-10; 20A:80B; 4.8
GC:

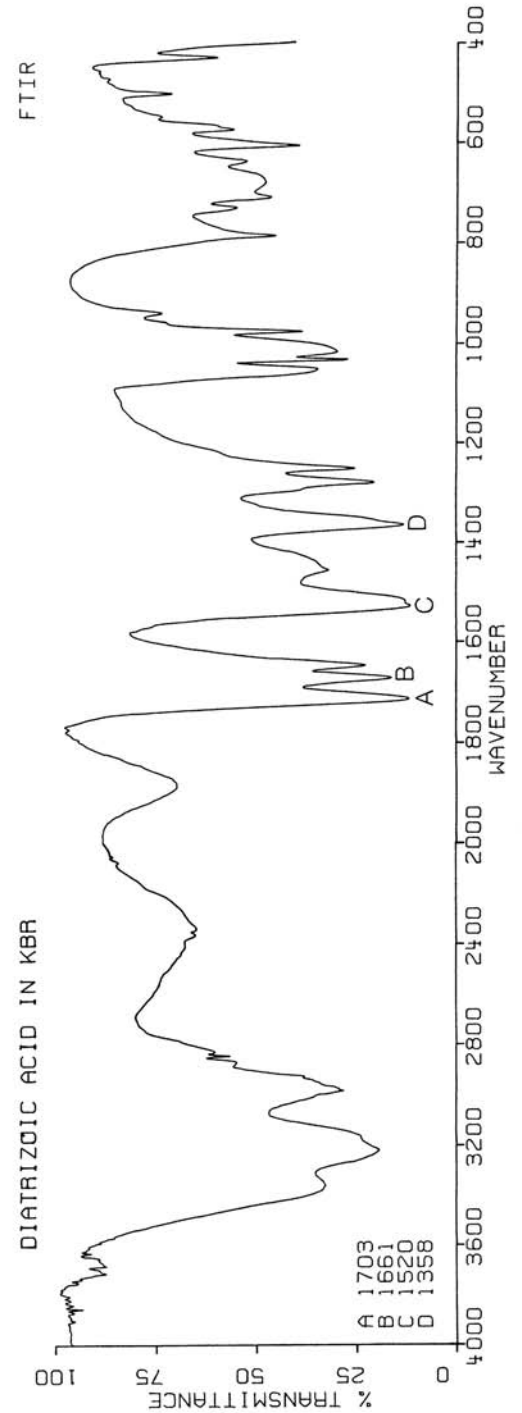




NO USEFUL MASS SPECTRUM WAS OBTAINED




DIATRIZOIC ACID (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 99 2.02
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


DIATRIZOIC ACID IN KBR
FTIR
A 1703
B 1661
C 1520
D 1358
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

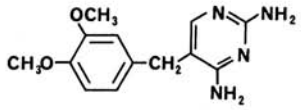
DIAVERIDINE

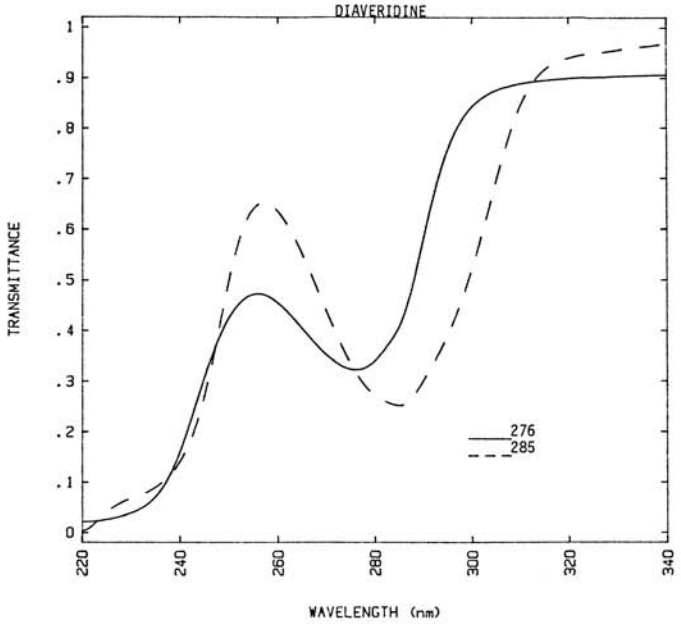
$C_{13}H_{16}N_4O_2$

Molecular weight: 260.29 (260.13)
Synonyms: 5-[(3,4-Dimethyloxyphenyl)methyl]-2,4-pyrimidinediamine

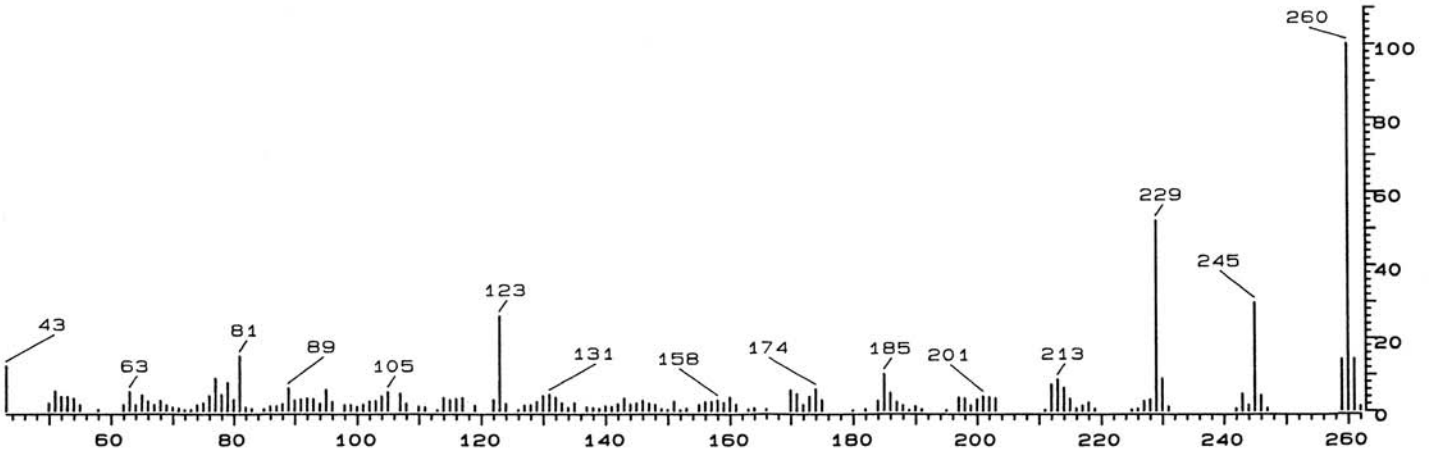
Trade names: Darvisul, Saquadil

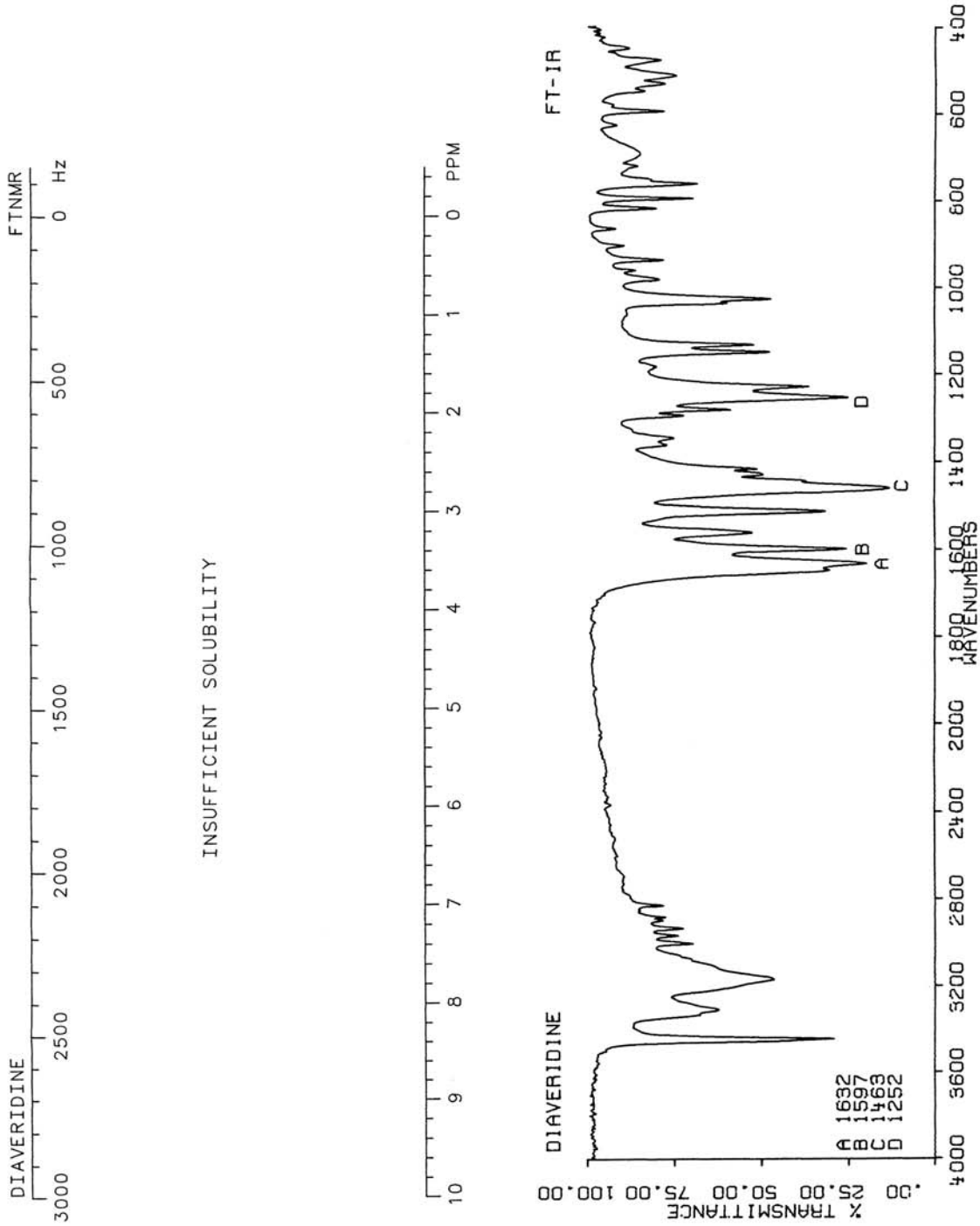
Use: Antiprotozoan
HPLC: Si-10; 5A:95B; 4.0
GC:





DIAVERIDINE



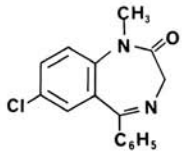

DIAVERIDINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
DIAVERIDINE
FT-IR
A 1632
B 1597
C 1463
D 1252
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

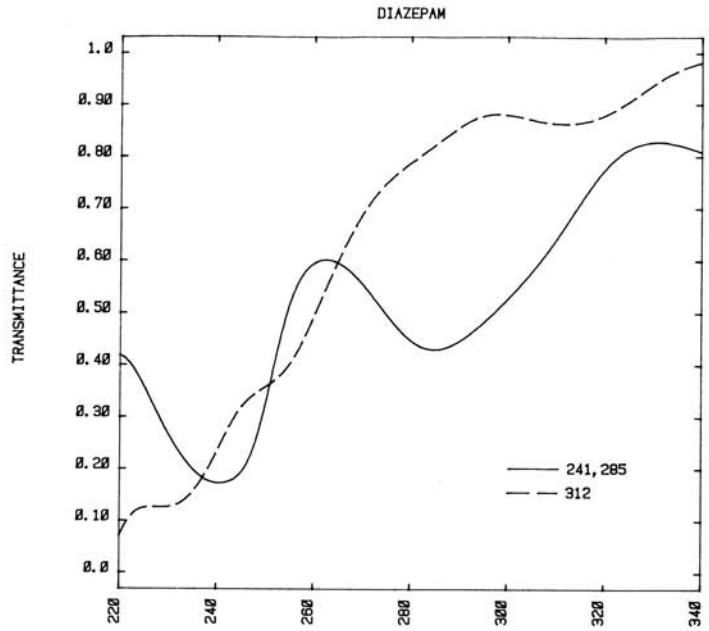
DIAZEPAM

$C_{16}H_{13}ClN_2O$

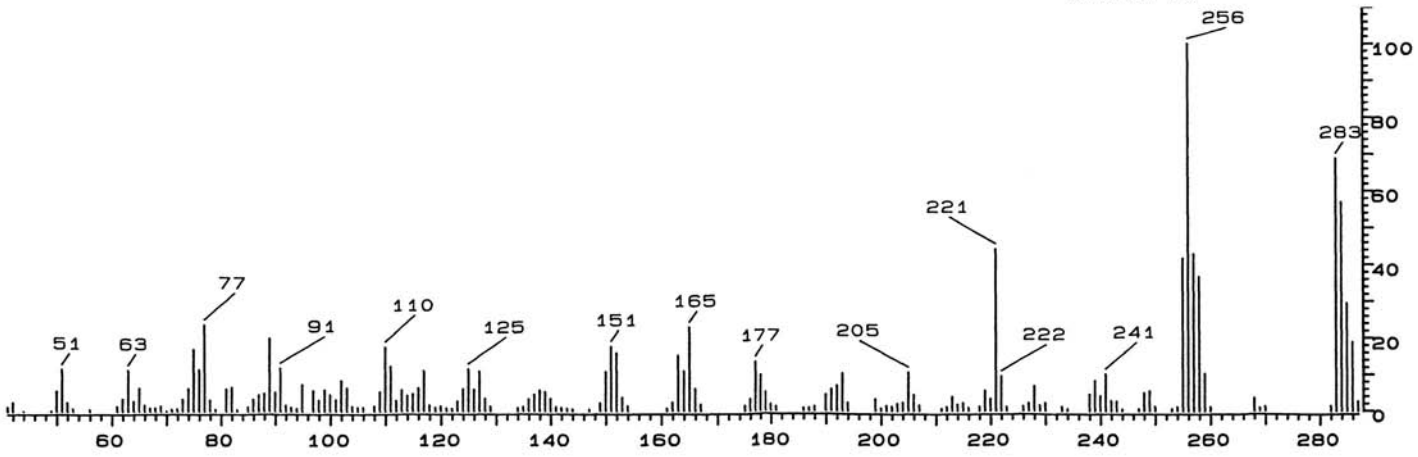
Molecular weight: 284.75 (284.07)
Synonyms: 7-Chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one
Trade names: Valium

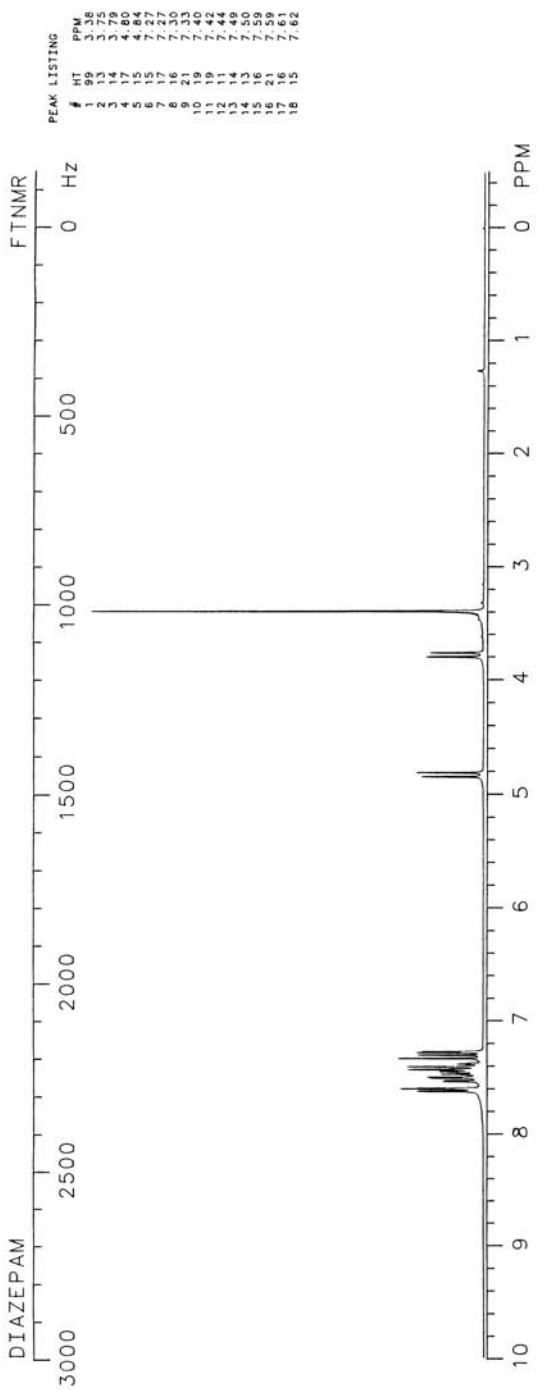
Use: Tranquilizer
HPLC: Si-10; 1A:99B; 6.0
GC: 2489; 250°C

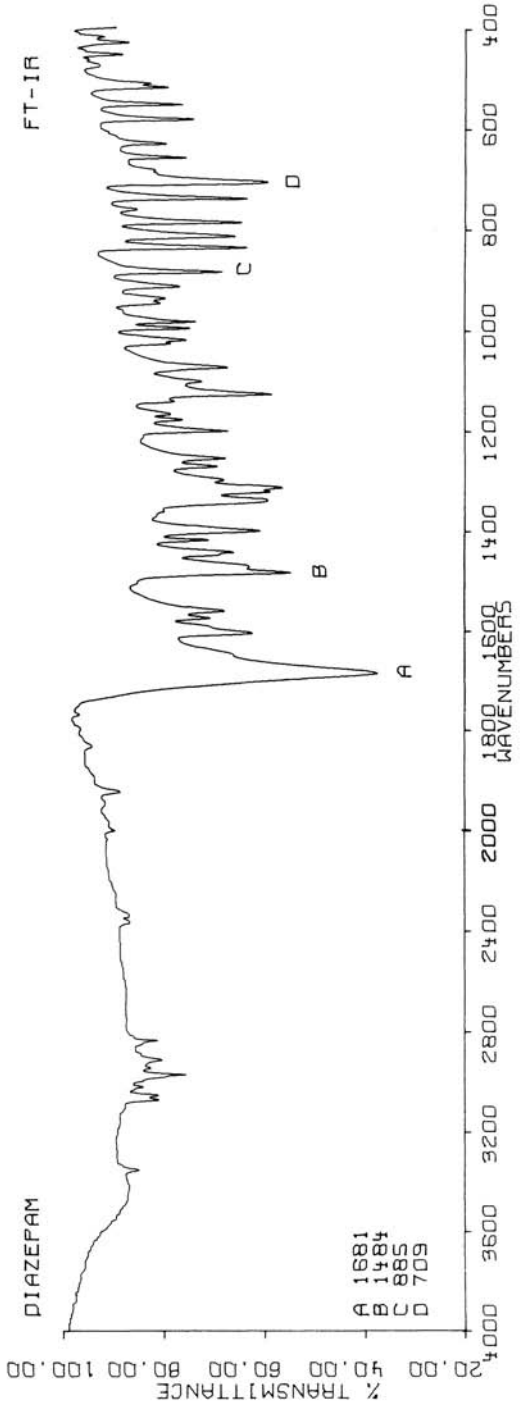




DIAZEPAM




DIAZEPAM
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 3.38
2 13 3.75
3 14 3.78
4 17 4.80
5 15 4.84
6 15 7.27
7 17 7.27
8 16 7.30
9 21 7.33
10 19 7.40
11 19 7.42
12 11 7.44
13 14 7.49
14 13 7.50
15 16 7.59
16 21 7.59
17 16 7.61
18 15 7.62


DIAZEPAM
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 1681
B 1484
C 885
D 709
A
B
C
D

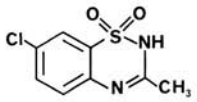
DIAZOXIDE

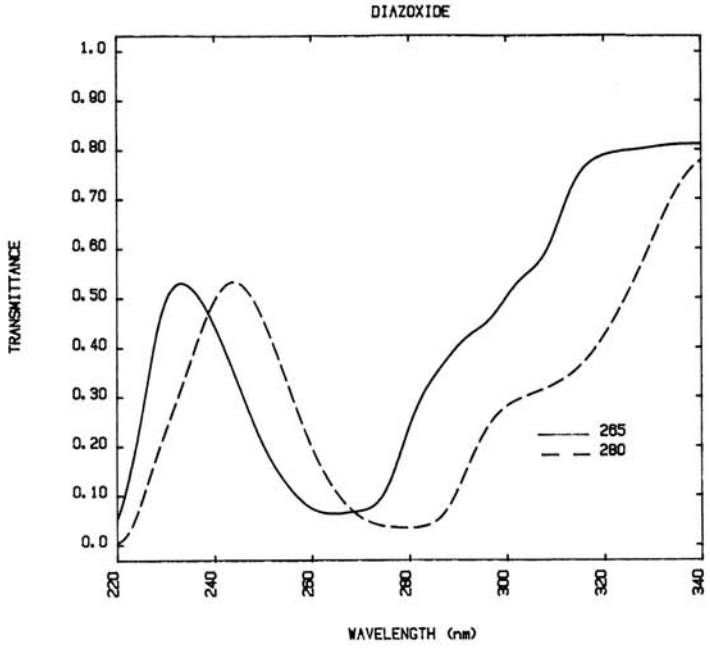
$C_8H_7ClN_2O_2S$

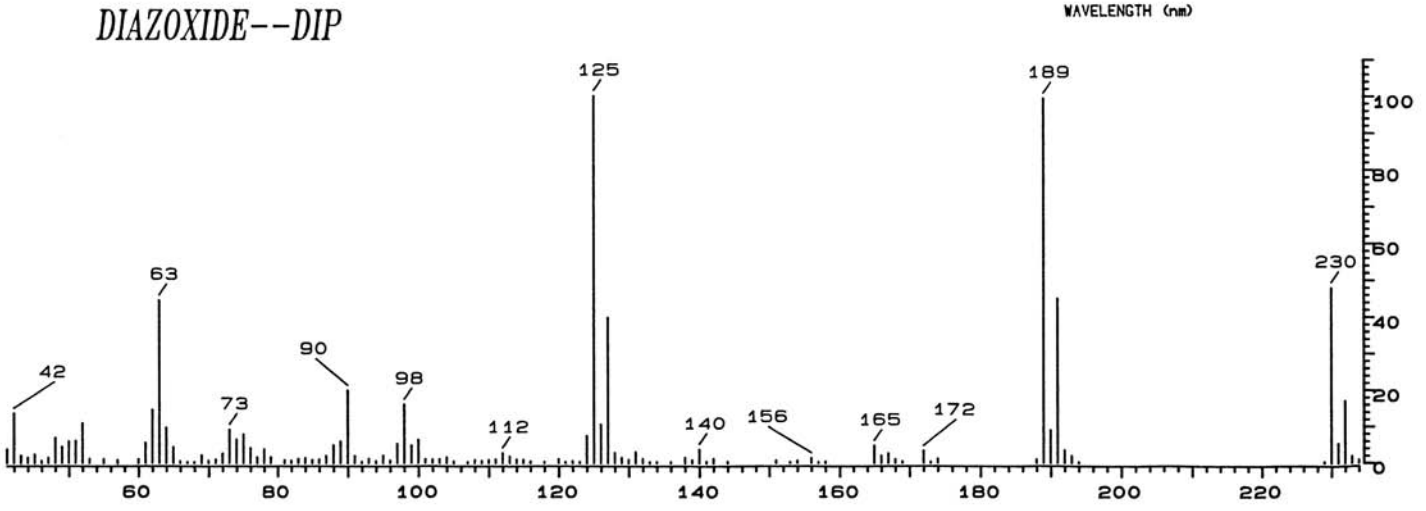
Molecular weight: 230.68 (229.99)
Synonyms: 7-Chloro-3-methyl-2H-1,2,4-benzothiadiazine-1,1-dioxide

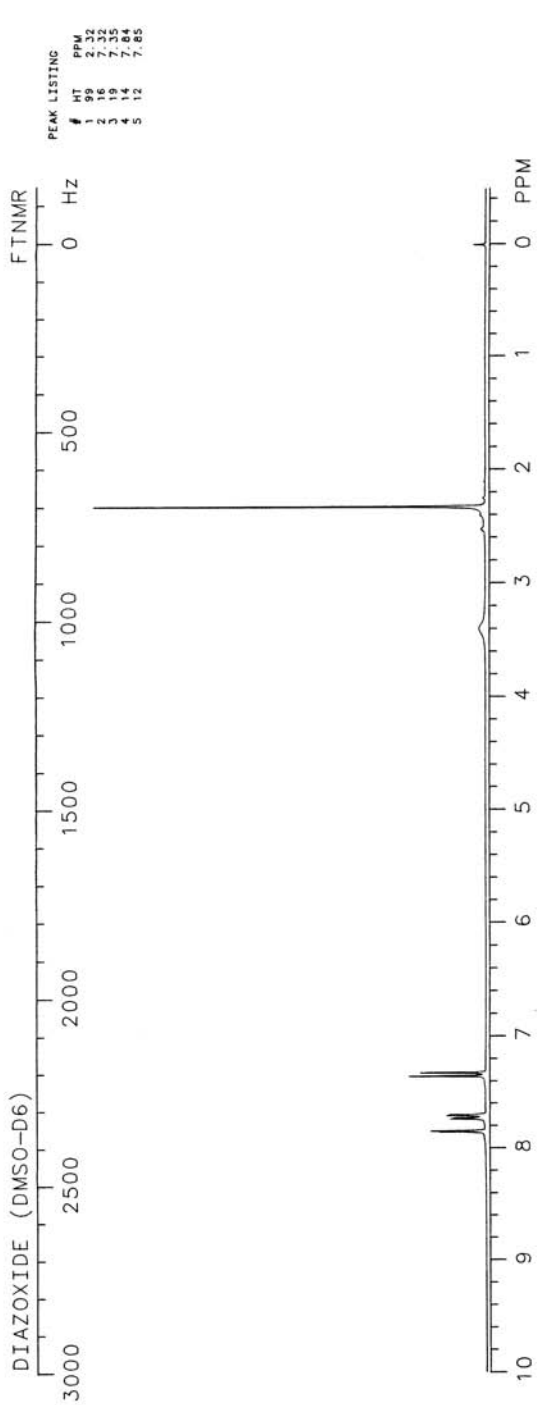
Trade names: Hyperstat, Proglycem

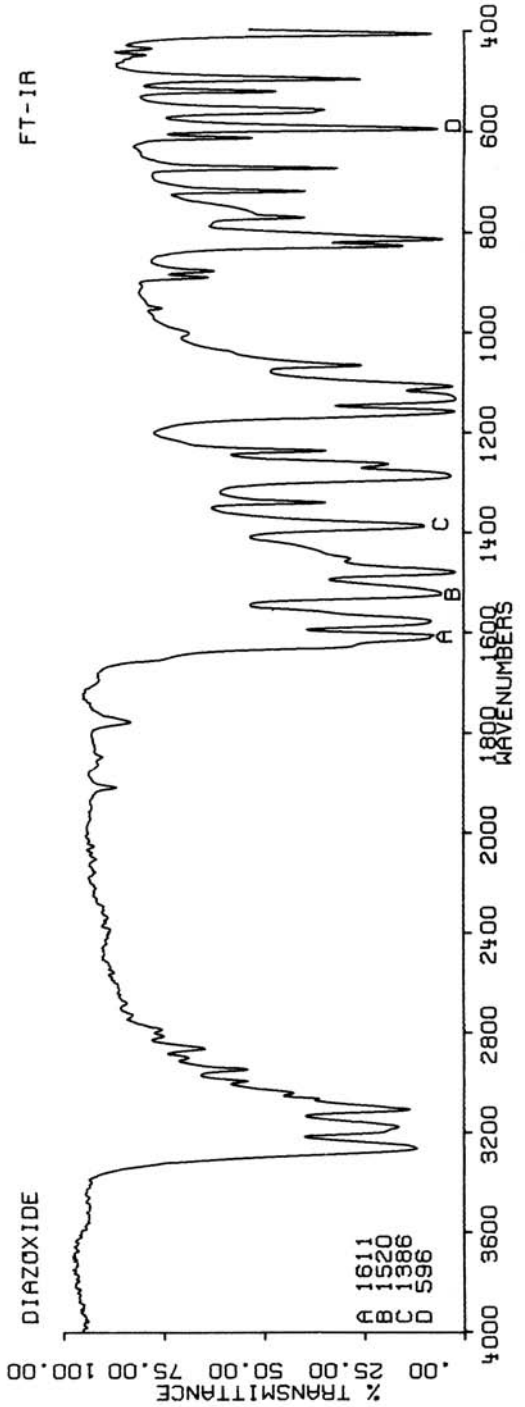
Use: Antihypertensive
HPLC:
GC:








DIAZOXIDE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 99 2.32
2 16 7.32
3 19 7.35
4 14 7.84
5 12 7.85
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

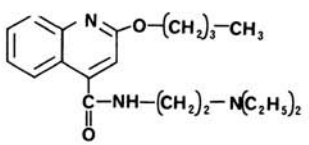

DIAZOXIDE
FT-IR
A 1611
B 1520
C 1386
D 596
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D

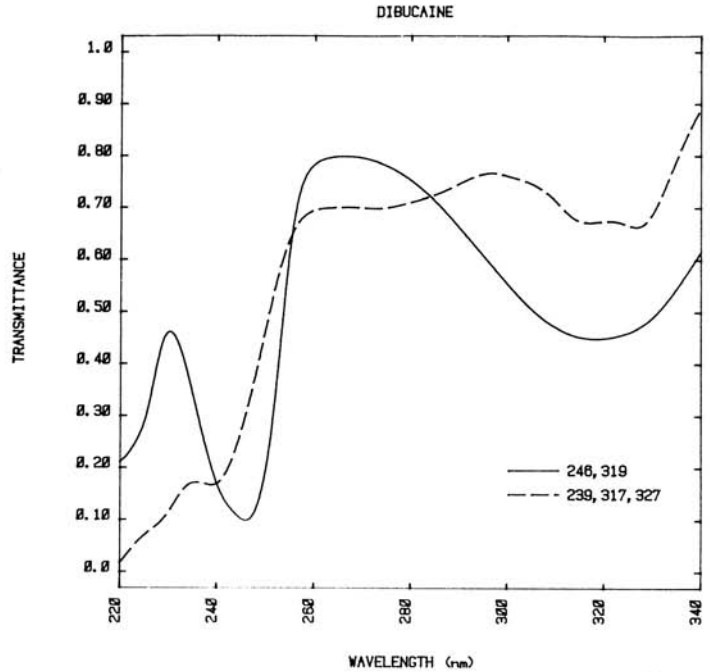
DIBUCAINE

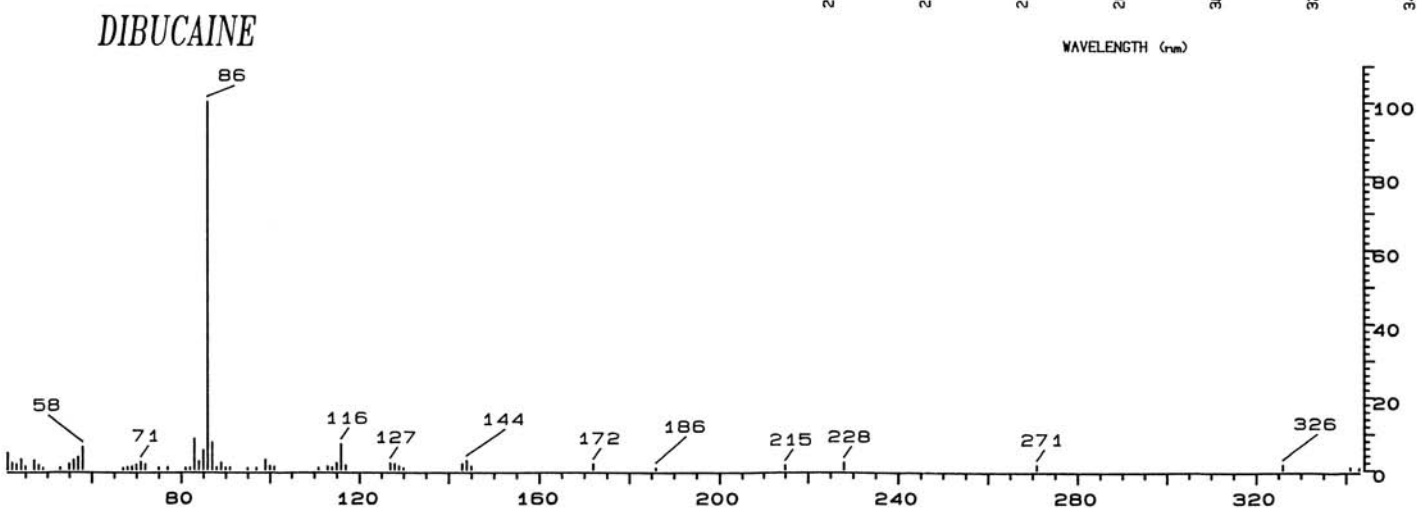
$C_{20}H_{29}N_3O_2$

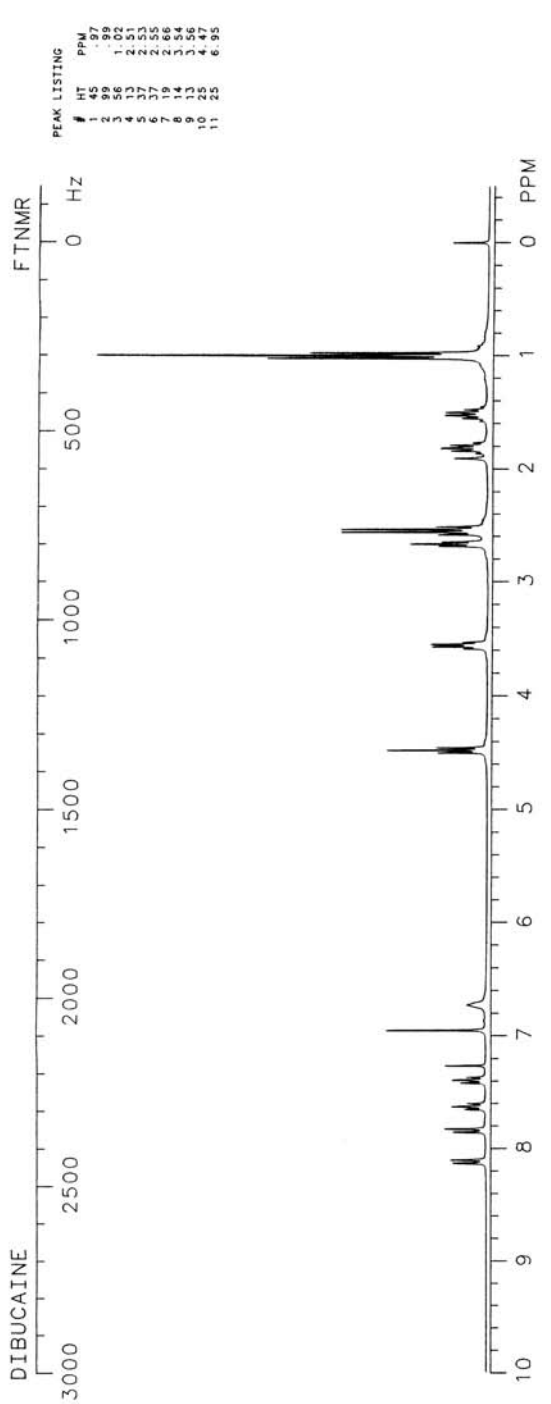
Molecular weight: 343.47 (343.23)
Synonyms: 2-Butoxy-N-[2-(diethylamino)ethyl]-4-quinolinecarboxamide
Trade names: Cincaine, Cinchocaine, Nupercaine, Otocort

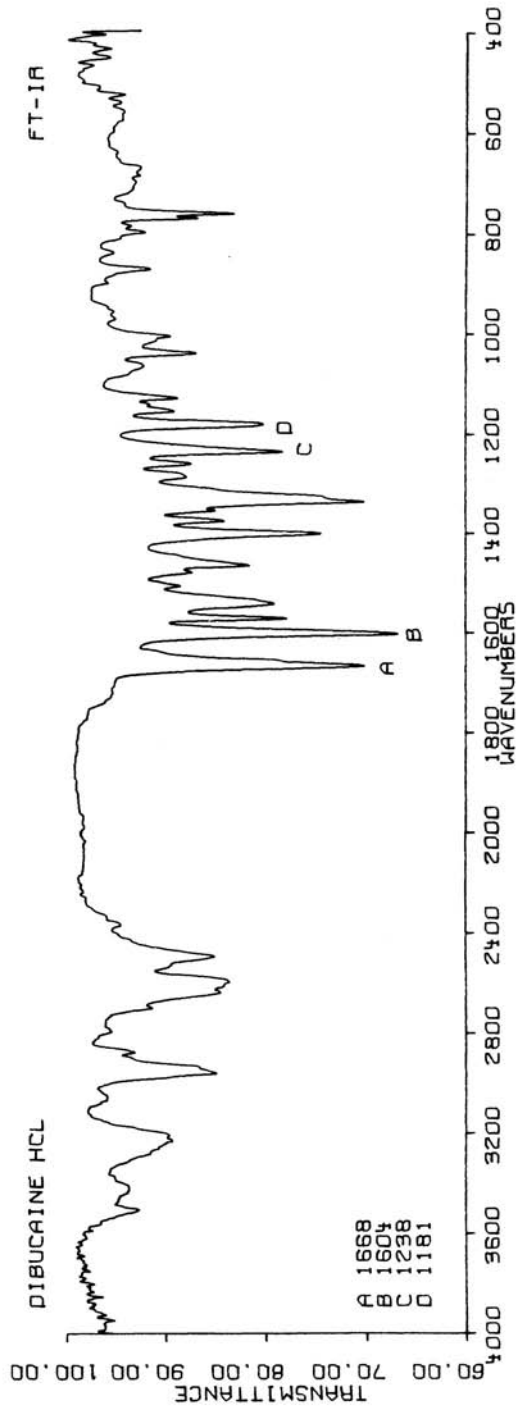
Use: Local anesthetic
HPLC: Si-10; 5A:95B; 4.5
GC: 2727; 250°C








DIBUCAINE
FTNMR
PEAK LISTING
HT PPM
1 45 .97
2 39 .99
3 56 1.02
4 13 2.51
5 37 2.53
6 37 2.55
7 19 2.66
8 14 3.54
9 13 3.56
10 25 4.47
11 25 6.95
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

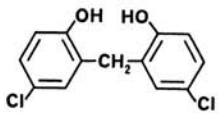

DIBUCAINE HCL
FT-IR
A 1668
B 1604
C 1238
D 1181
A
B
C
D
TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

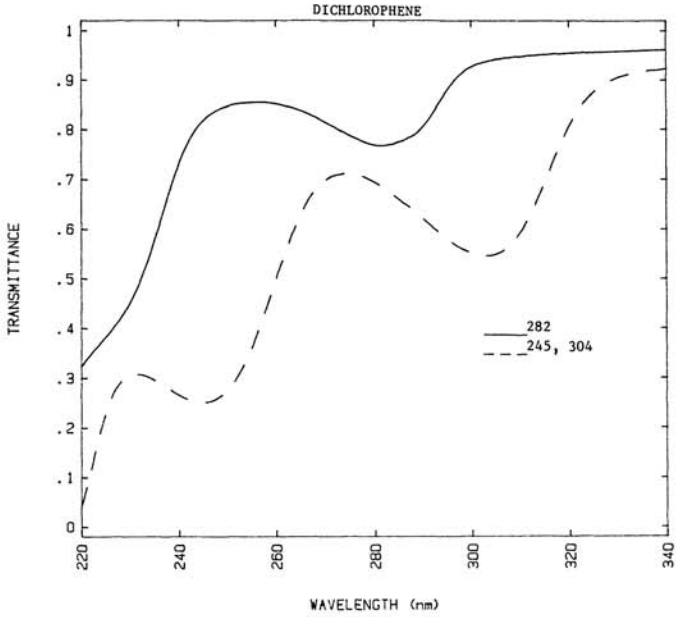
DICHLOROPHENE

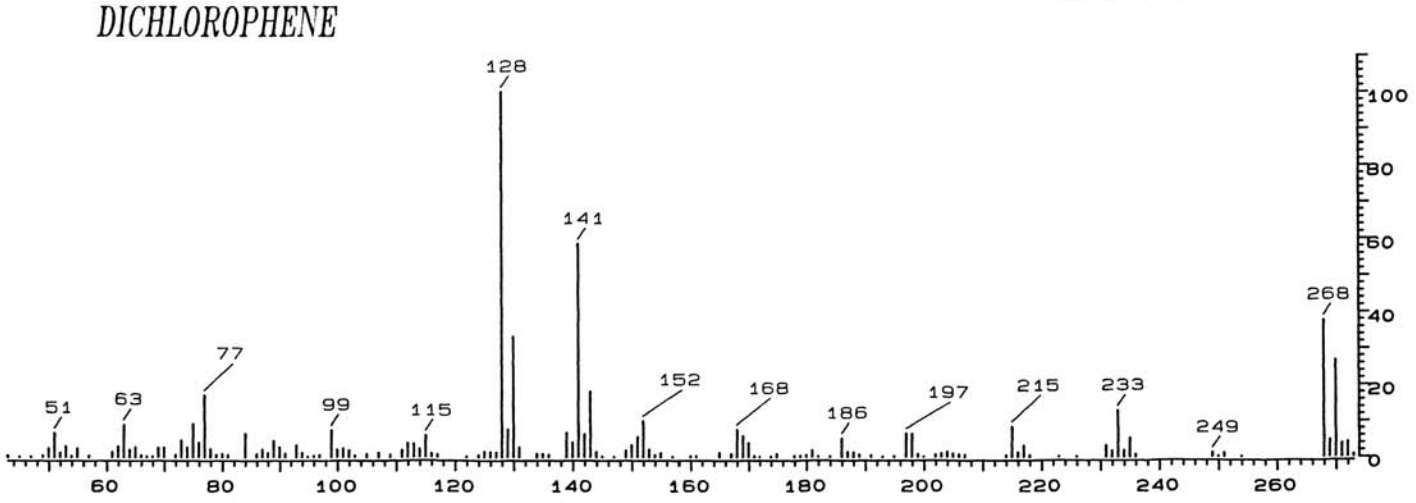
$C_{13}H_{10}Cl_2O_2$

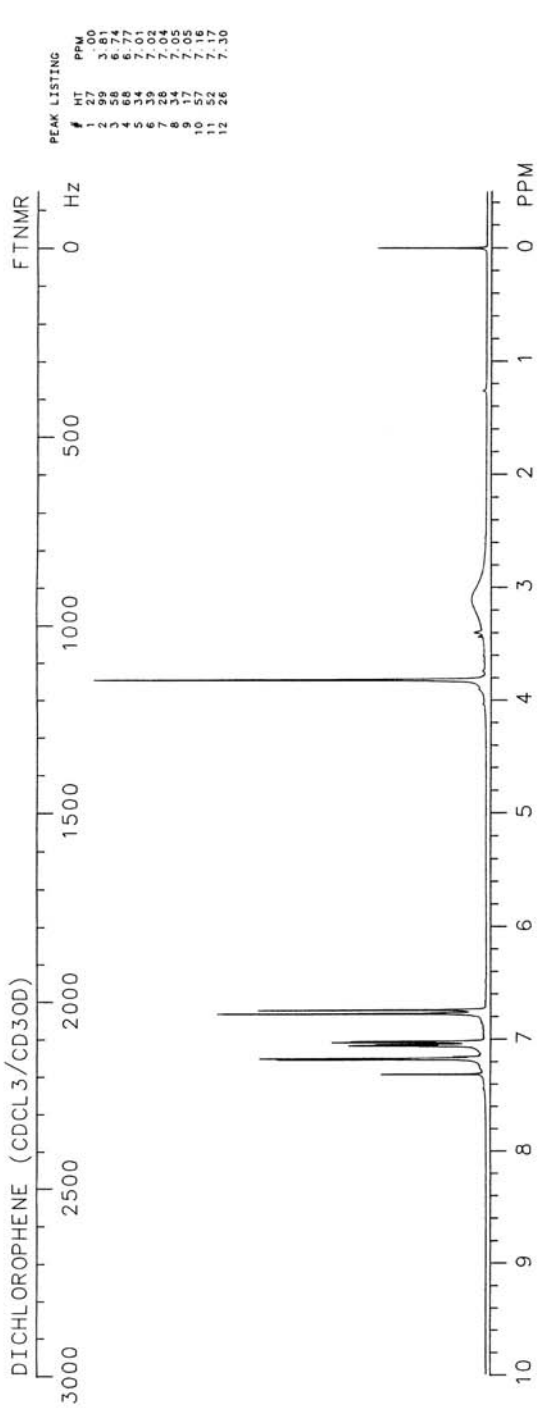
Molecular weight: 269.12 (268.01)
Synonyms: 2,2'-Methylenebis[4-chlorophenol]; Di-phenthane-70

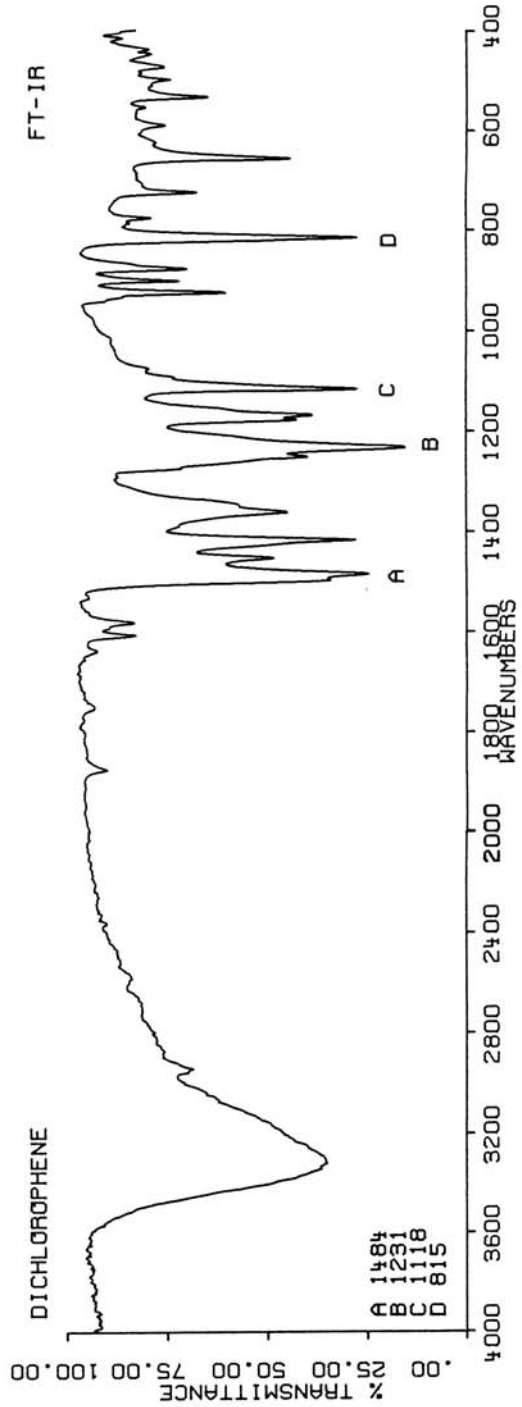
Trade names: Anthiphen, Dicestal, Didrotane, Hyosan, Parabis, Preventol, Teniathane, Teniatol
Use: Anthelmintic
HPLC: Si-10; 2A:98B; 3.3
GC:








FTNMR
DICHLOROPHENE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 27 .00
2 99 3.81
3 58 6.74
4 66 6.77
5 34 7.01
6 39 7.02
7 28 7.04
8 34 7.05
9 17 7.16
10 57 7.17
11 52 7.27
12 26 7.30
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

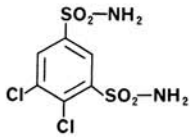

FT-IR
DICHLOROPHENE
A 1484
B 1231
C 1118
D 815
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

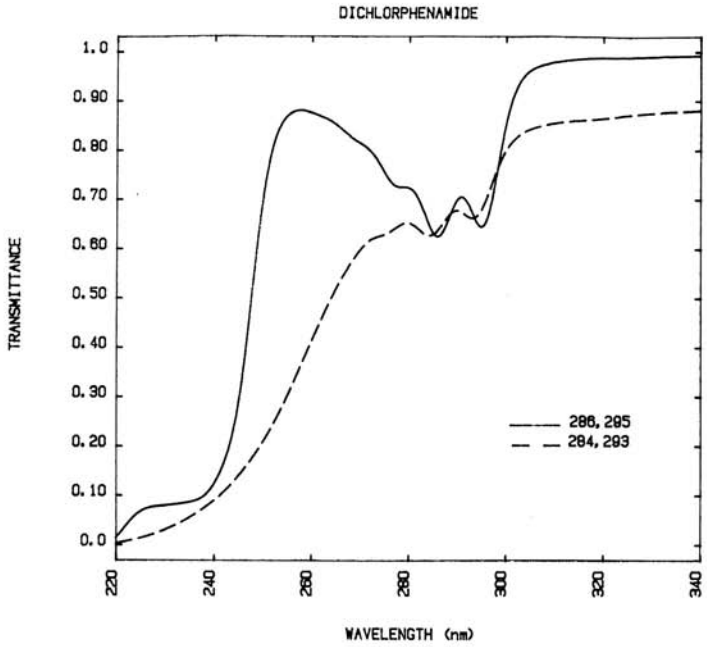
DICHLORPHENAMIDE

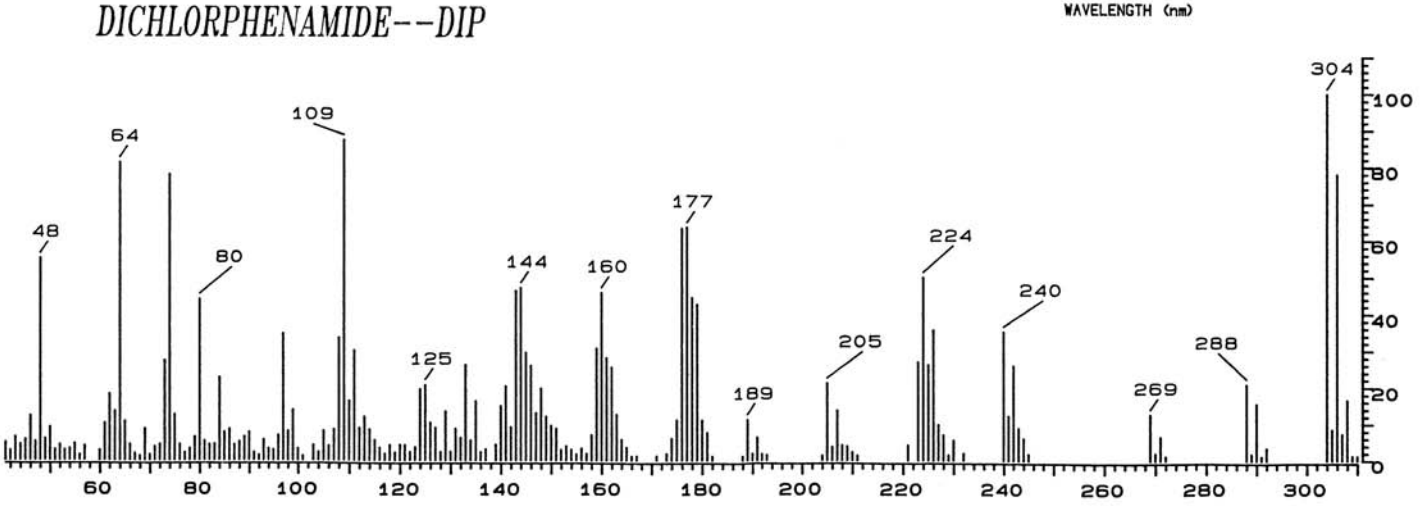
$C_6H_6Cl_2N_2O_4S_2$

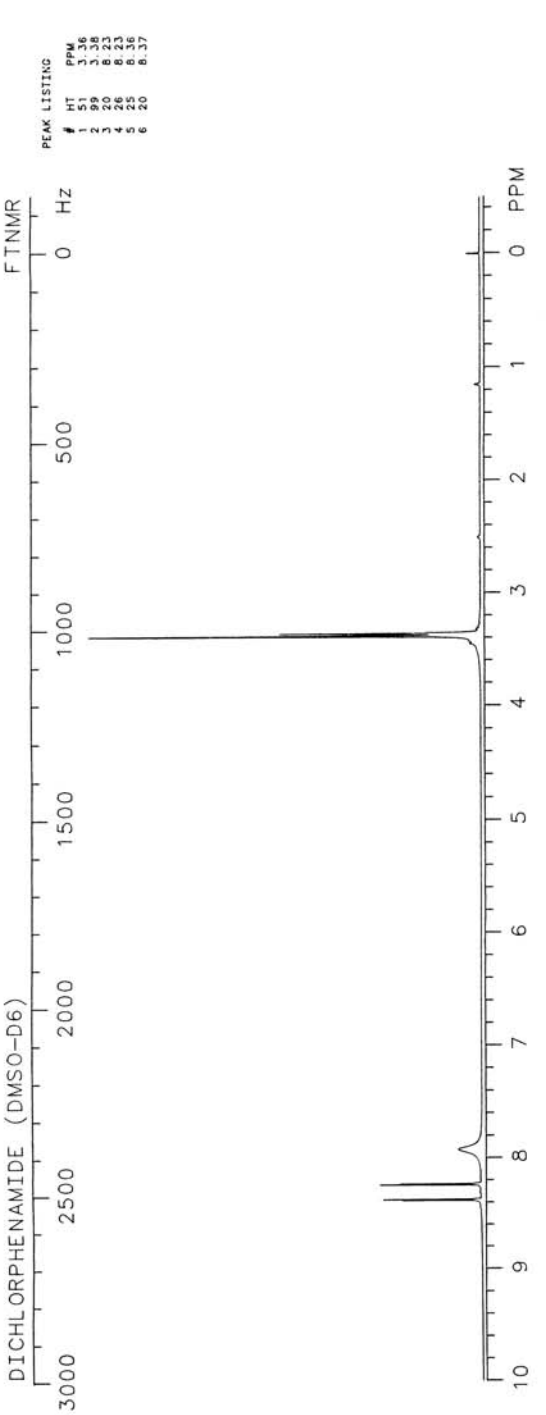
Molecular weight: 305.16 (303.92)
Synonyms: 4,5-Dichloro-m-benzenedisulfonamide; 1,3-disulfamyl-4,5-dichlorobenzene
Trade names: Daranide

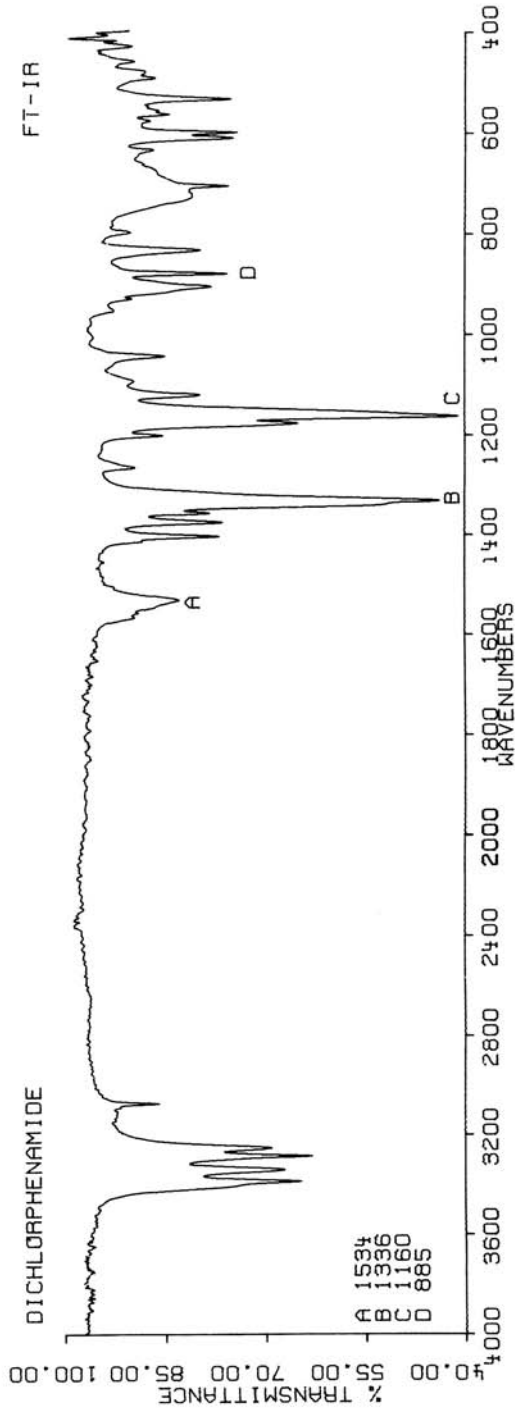
Use: Carbonic anhydrase inhibitor
HPLC:
GC:








FTNMR
DICHLORPHENAMIDE (DMSO-D6)
PEAK LISTING
HT PPM
1 51 3.36
2 99 3.38
3 20 8.23
4 26 8.25
5 25 8.36
6 20 8.37
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
DICHLORPHENAMIDE
A 1534
B 1336
C 1160
D 885
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

DICLOFENAC SODIUM

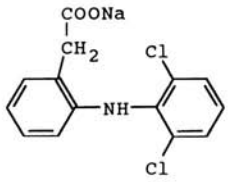
$C_{14}H_{10}Cl_2NNaO_2$

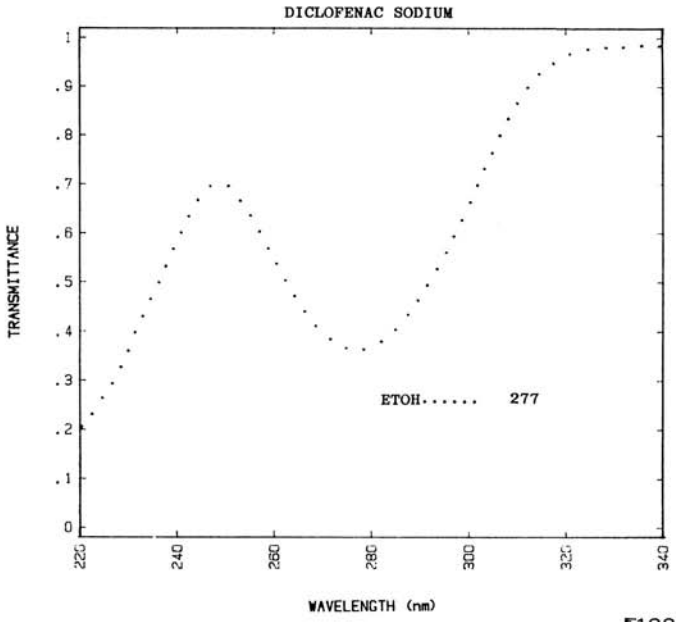
Molecular weight: 318.13 (318.00)

Synonyms: 2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid monosodium salt; diclophenac sodium

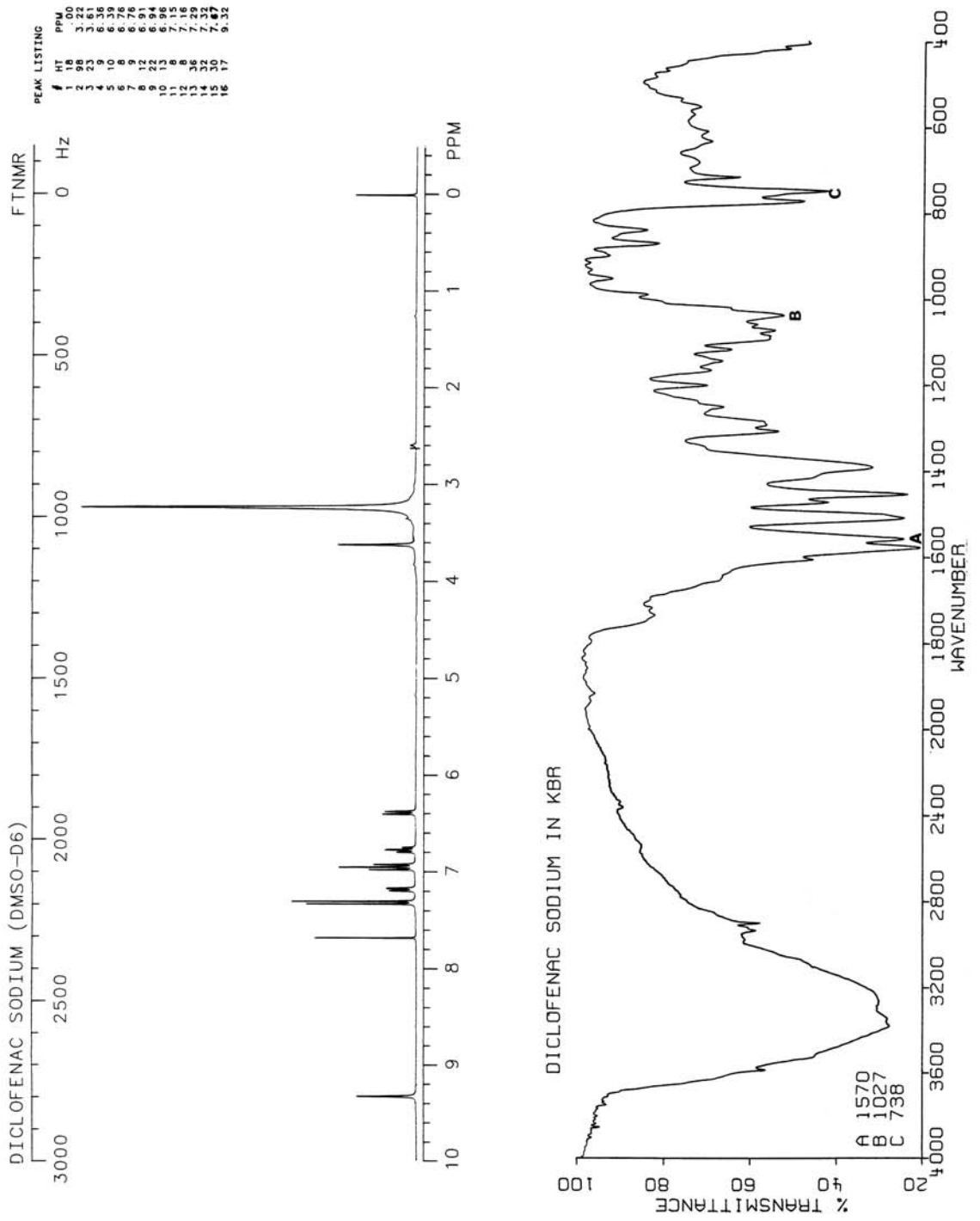
Trade names: allvorna, Assaren, Benfofen, Delphimix, Dichronic, Diclobenin, Diclophlogont, Dichord, Dicloreum, Dolobasan, Duravotten, Ecofenac, Effekton, Evinupon, Kriplex, Neriudin, Novaprina, Prophenactin, Rhumalgan, Tsudohmin, Urigon, Valetan, Voldal, Voltaren, Voltarol, Voveran, Xenid

Use: Anti-inflammatory
HPLC: 90A:10B; 3.7
GC: 2207; 250°





NO USEFUL MASS SPECTRUM WAS OBTAINED

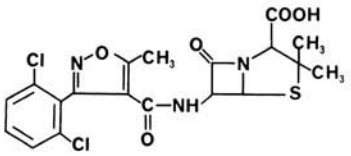

DICLOFENAC SODIUM (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 18 .00
2 98 3.22
3 23 3.61
4 9 6.36
5 10 6.39
6 8 6.76
7 9 6.76
8 12 6.91
9 22 6.94
10 13 6.96
11 8 7.15
12 8 7.16
13 36 7.29
14 32 7.32
15 30 7.47
16 17 9.32
DICLOFENAC SODIUM IN KBR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1570
B 1027
C 738
A
B
C

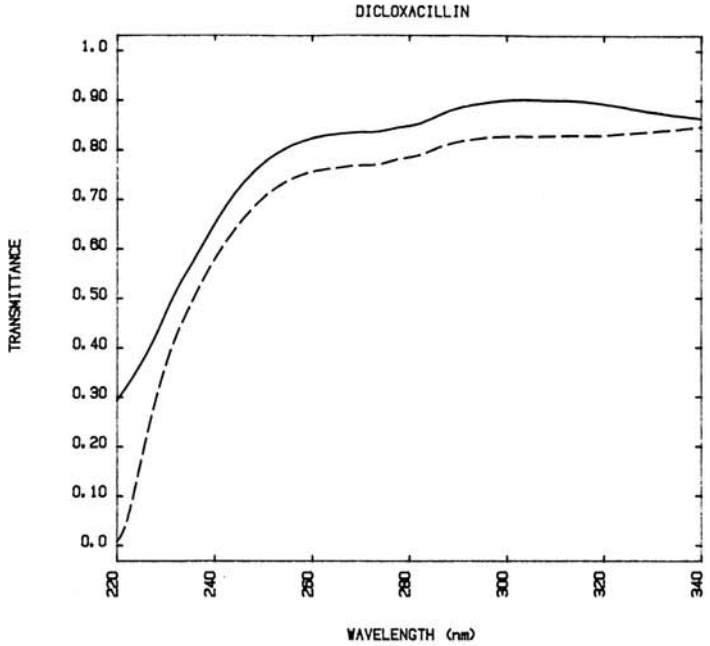
DICLOXACILLIN

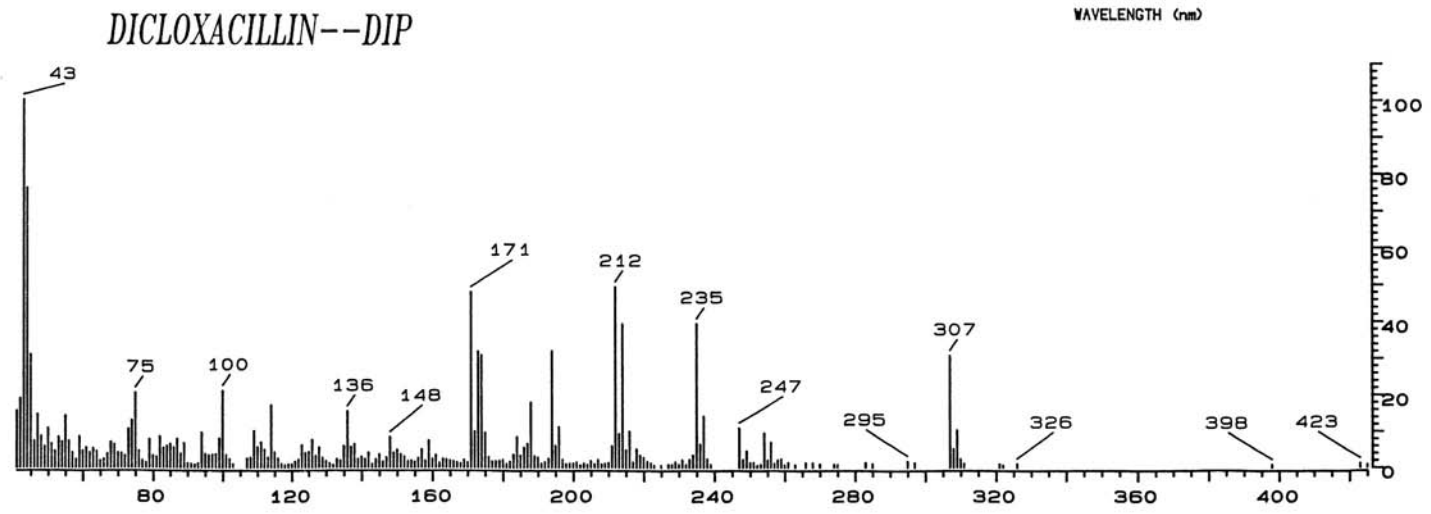
$C_{17}H_{19}Cl_2N_3O_5S$

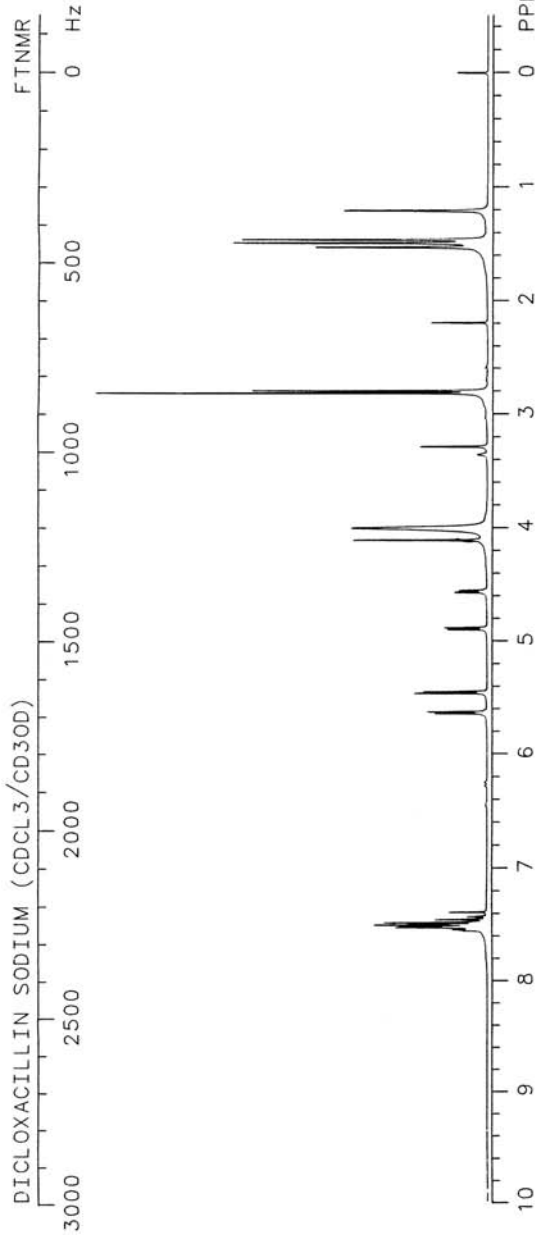
Molecular weight: 470.33 (469.03)
Synonyms: 6-[3-(2,6-Dichlorophenyl)-5-methyl-4-isoazolecarboxamindo]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid
Trade names: Dynapen, Pathocil

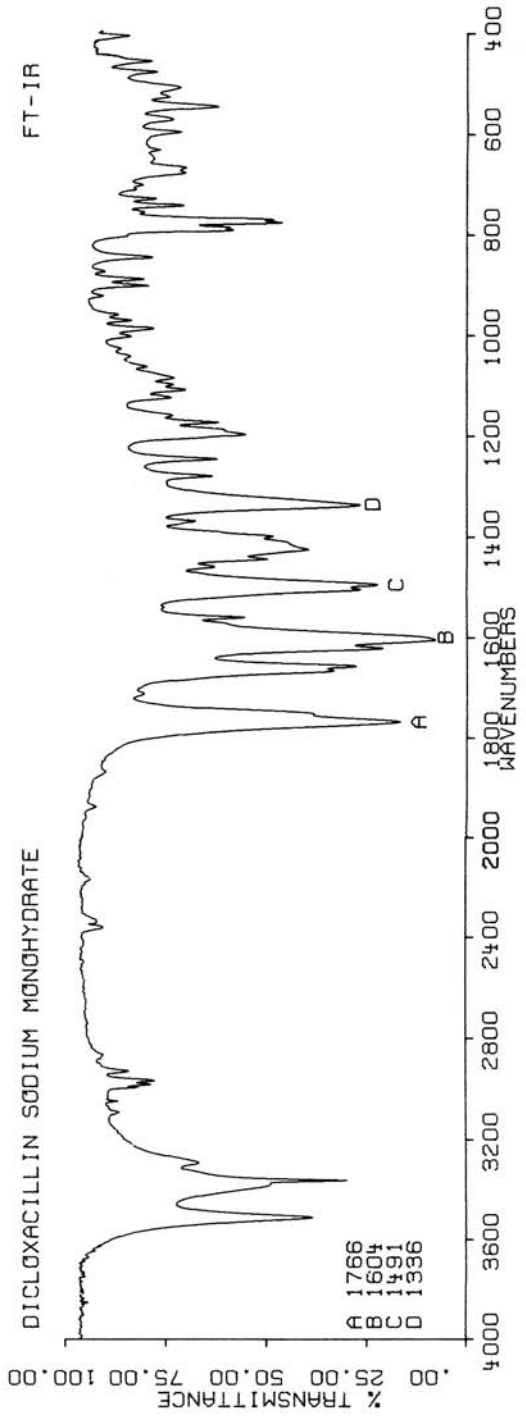
Use: Antibacterial
HPLC: Si-10; 10A:90B; 5.0
GC: 2343; 250°C







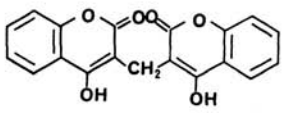

DICLOXACILLIN SODIUM (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 36 1.21
2 62 1.46
3 64 1.49
4 43 1.53
5 14 2.19
6 59 2.79
7 99 3.81
8 17 3.88
9 34 4.00
10 34 4.11
11 16 5.44
12 18 5.46
13 15 5.62
14 13 7.45
15 14 7.46
16 26 7.48
17 20 7.50
18 28 7.50
19 22 7.51
20 16 7.51
21 14 7.52
22 23 7.52
23 17 7.52

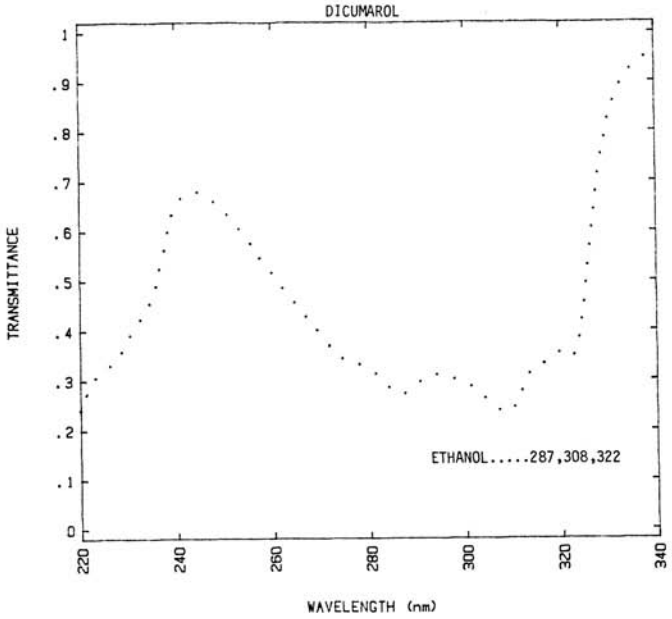

DICLOXACILLIN SODIUM MONOHYDRATE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1766
B 1604
C 1491
D 1336
A
B
C
D

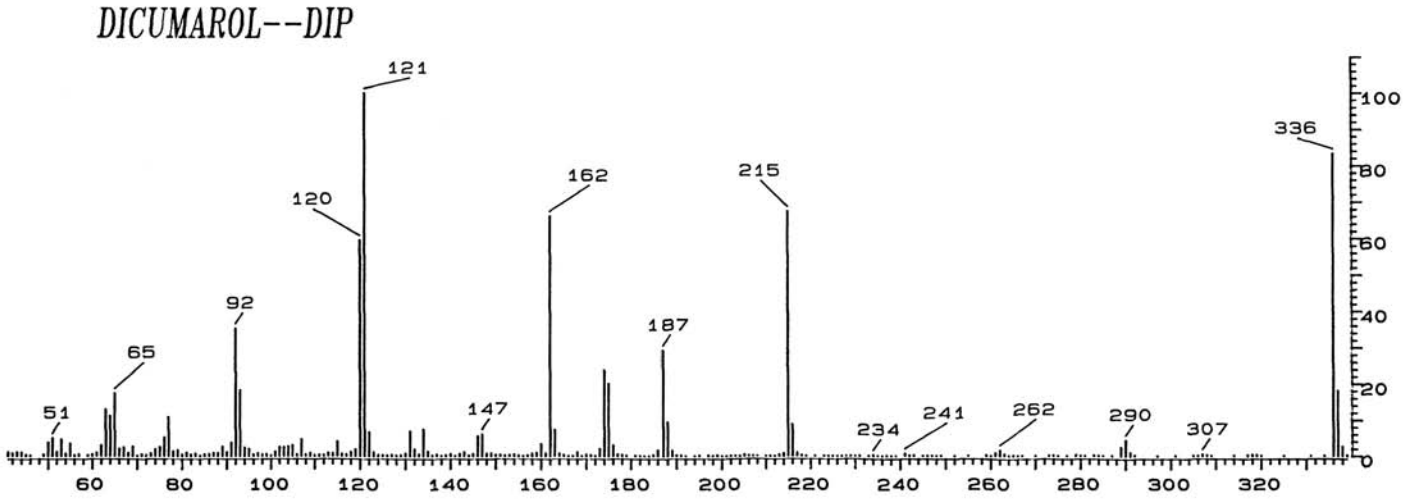
DICUMAROL

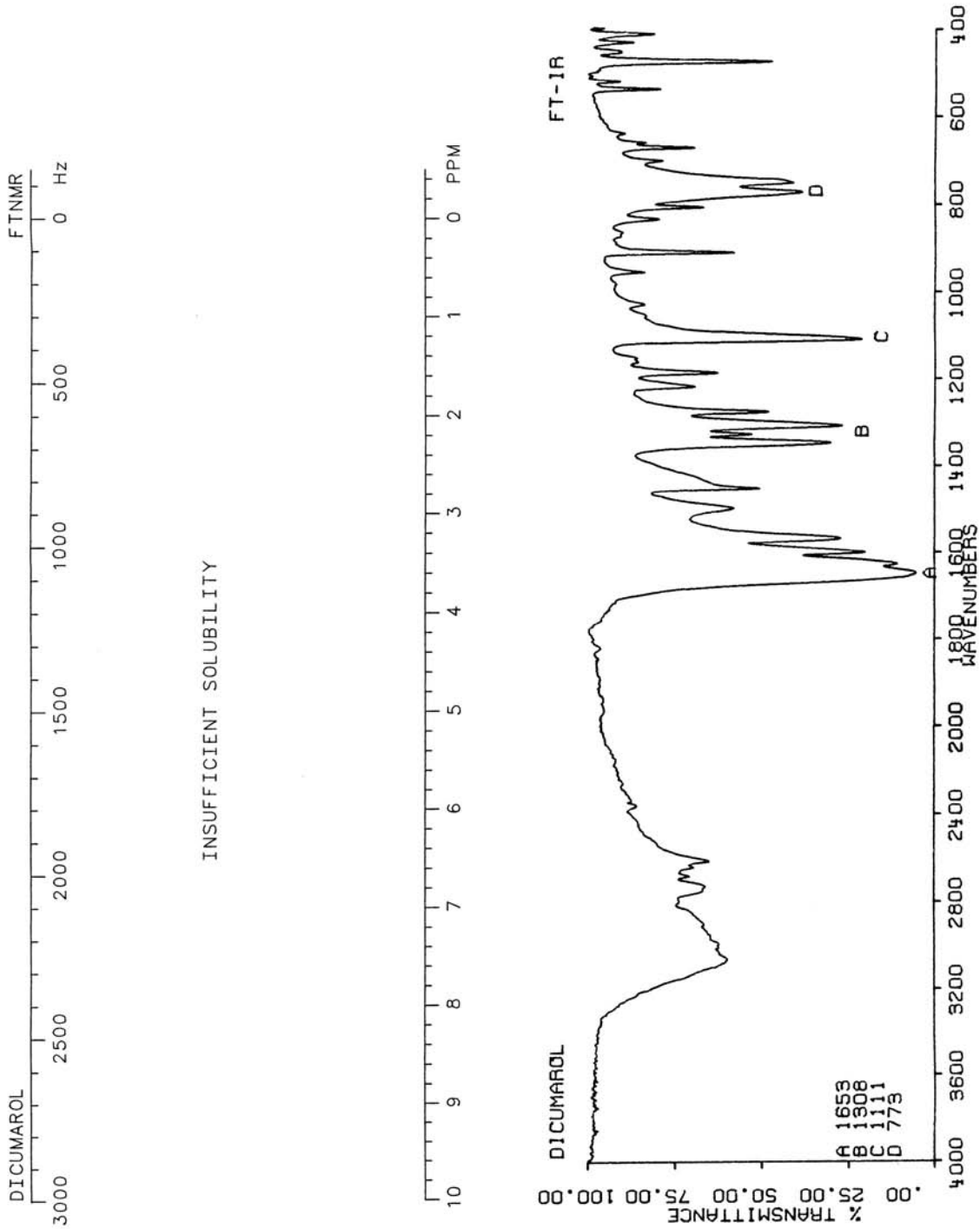
$C_{19}H_{12}O_6$

Molecular weight: 336.29 (336.06)
Synonyms: 3,3'-Methylenebis[4-hydroxy-2H-1-benzopyran-2-one]; bishydroxycoumarin; dicoumarol; dicoumarin
Trade names: Dicumarol, Dicoumarol, Dicoumarin, Dicumol, Dufalone, Melitoxin
Use: Anticoagulant
HPLC: Si-10; 5A:95B; 8.2
GC:







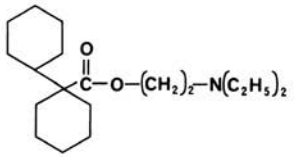

DICUMAROL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
DICUMAROL
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
A 1653
B 1308
C 1111
D 773
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

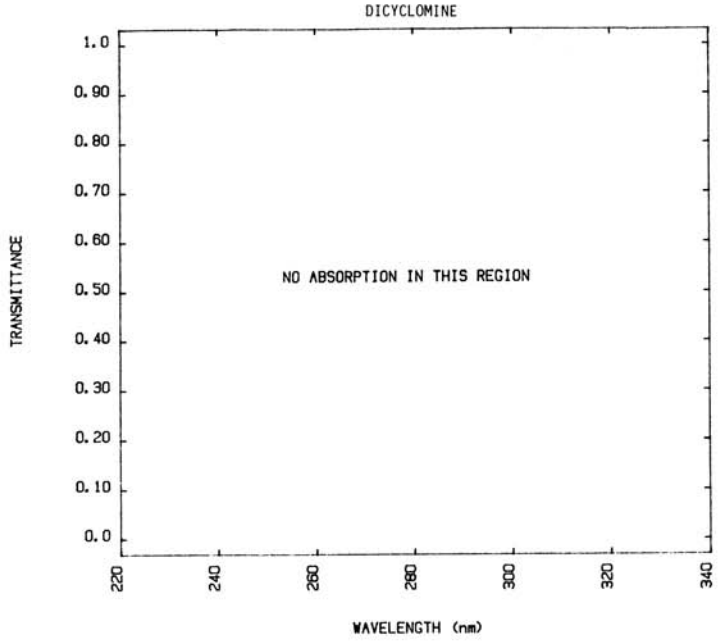
DICYCLOMINE

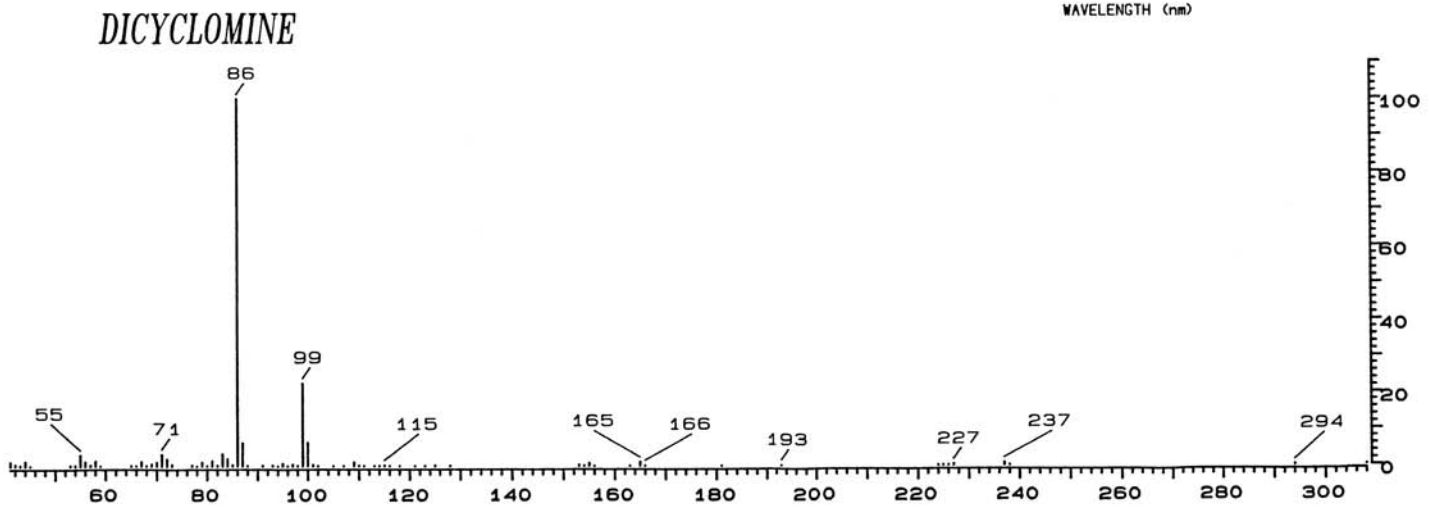
$C_{19}H_{35}NO_2$

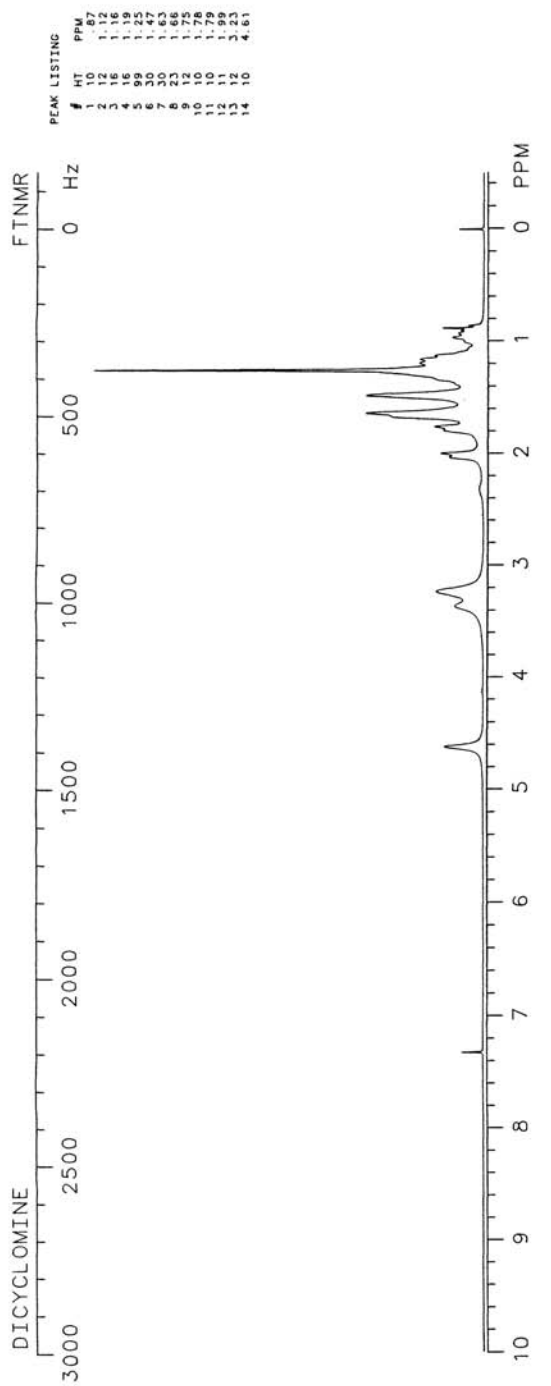
Molecular weight: 309.49 (309.27)
Synonyms: (Bicyclohexyl)-1-carboxylic acid-2-(diethylamino)-ethyl ester
Trade names: Bentyl

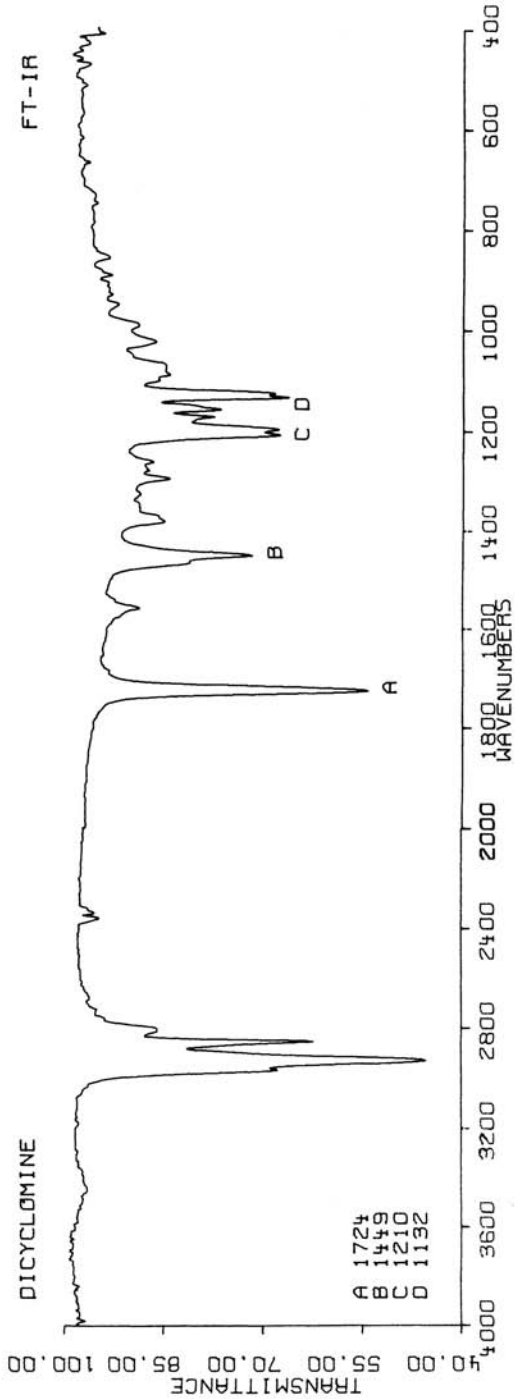
Use: Anticholinergic
HPLC:
GC: 2155; 250°C








DICYCLOMINE
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 1.07
2 12 1.12
3 16 1.16
4 16 1.19
5 99 1.25
6 30 1.47
7 20 1.63
8 21 1.66
9 12 1.75
10 10 1.78
11 10 1.79
12 11 1.99
13 12 3.23
14 10 4.61

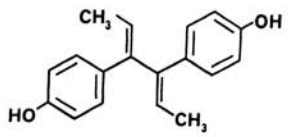

DICYCLOMINE
FT-IR
TRANSMITTANCE
100.00 85.00 70.00 55.00 50.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1724
B 1449
C 1210
D 1132

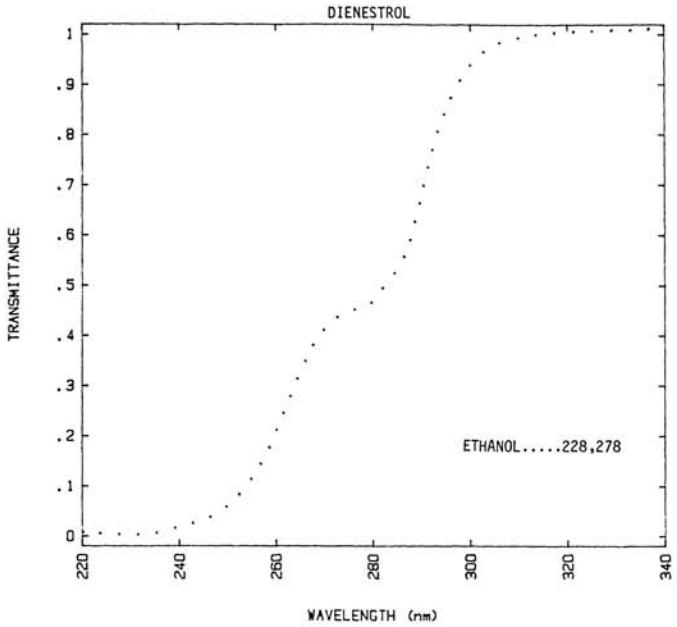
DIENESTROL

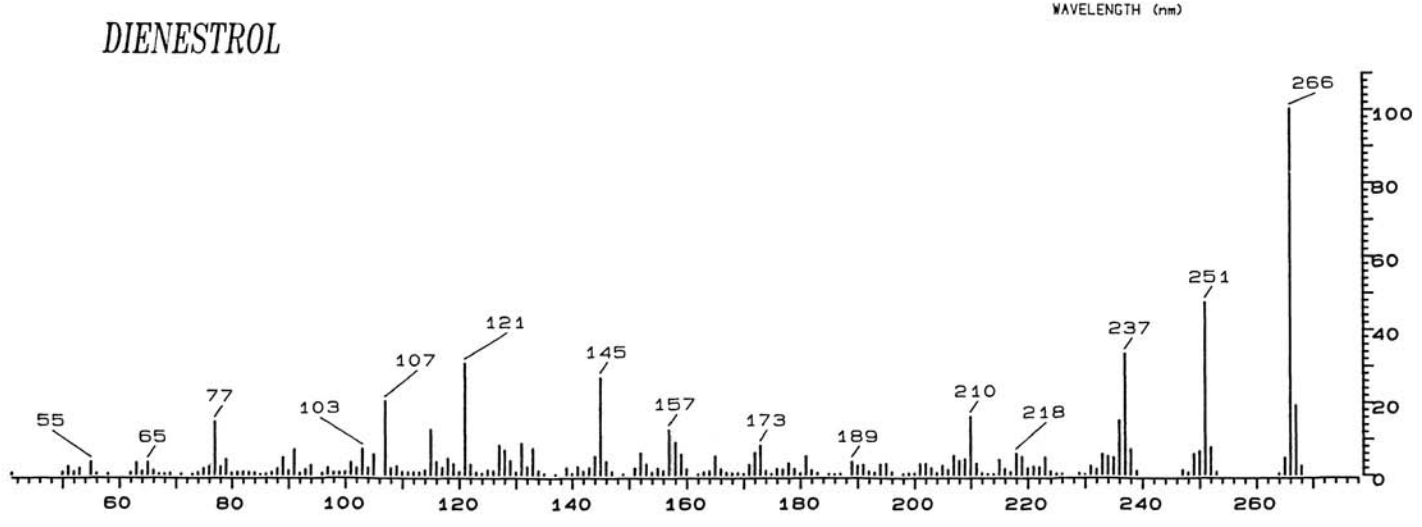
$C_{18}H_{18}O_2$

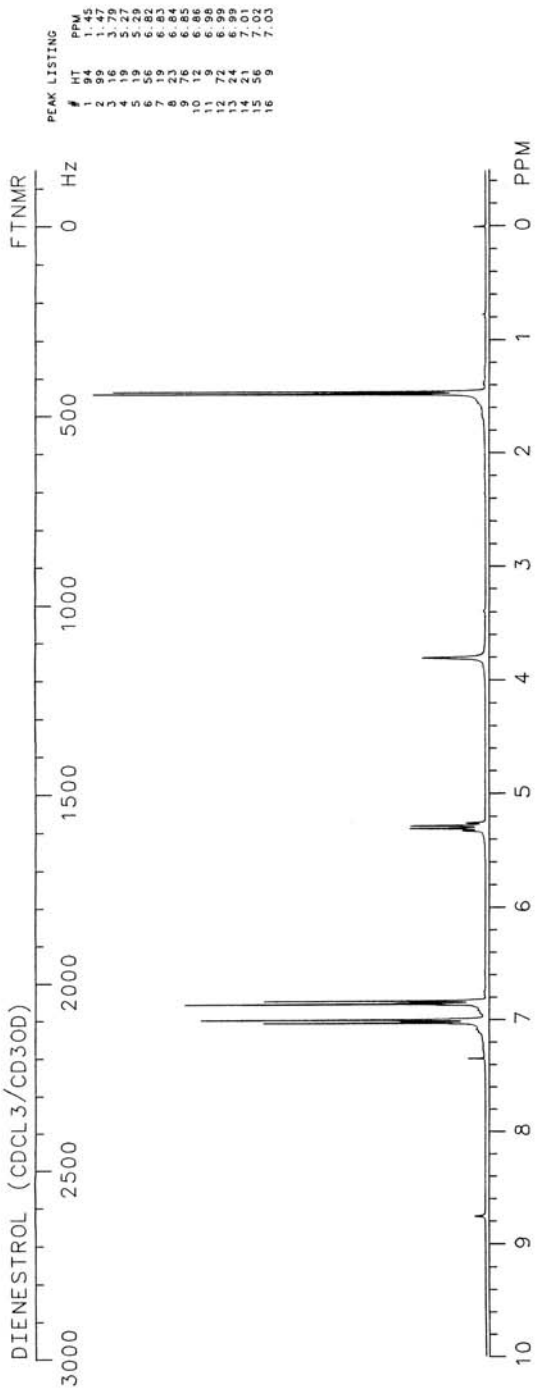
Molecular weight: 266.32 (266.13)
Synonyms: 4,4'-(1,2-Diethylidene-1,2-ethanediyl)bisphenol; dienoestrol; estrodienol; dihydrostilbestrol; oestrodienolum
Trade names: Cycladiene, DV, Estraguard, Hormofemin, Ortho Dienestrol

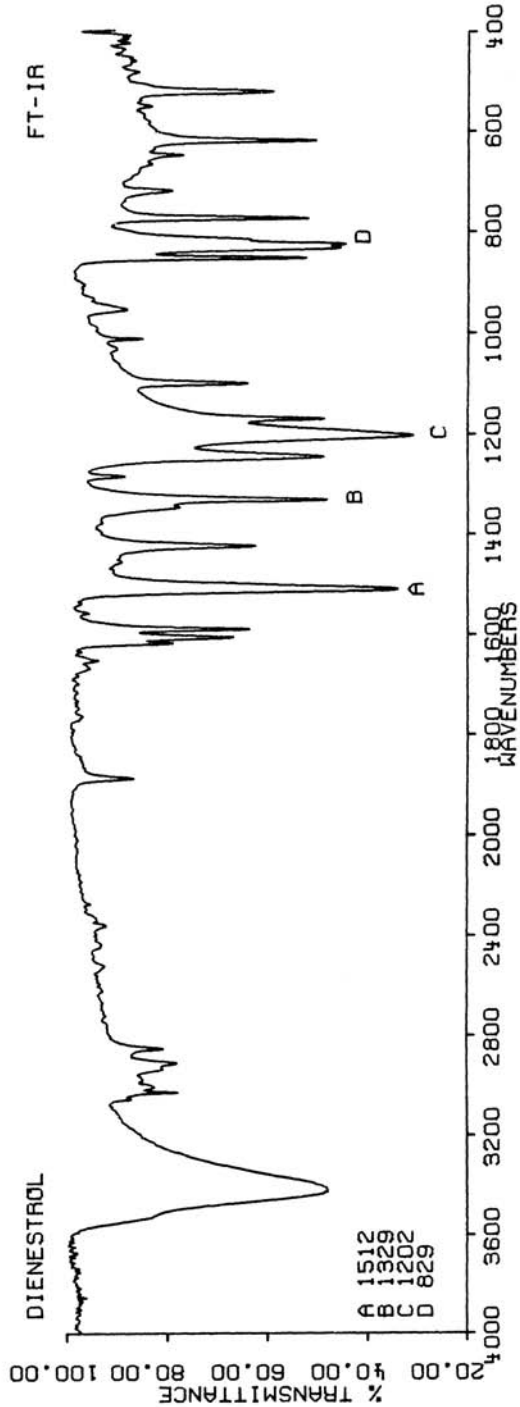
Use: Estrogen
HPLC: Si-10; 1A:99B; 5.0
GC: 2347; 250°C








DIENESTROL (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 94 1.45
2 99 1.47
3 16 3.79
4 19 5.27
5 19 5.29
6 56 6.82
7 19 6.83
8 23 6.84
9 76 6.85
10 12 6.86
11 9 6.98
12 72 6.99
13 24 6.99
14 21 7.01
15 16 7.02
16 9 7.03


DIENESTROL
FT-IR
A 1512
B 1329
C 1202
D 829
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

DIETHYLAMINE

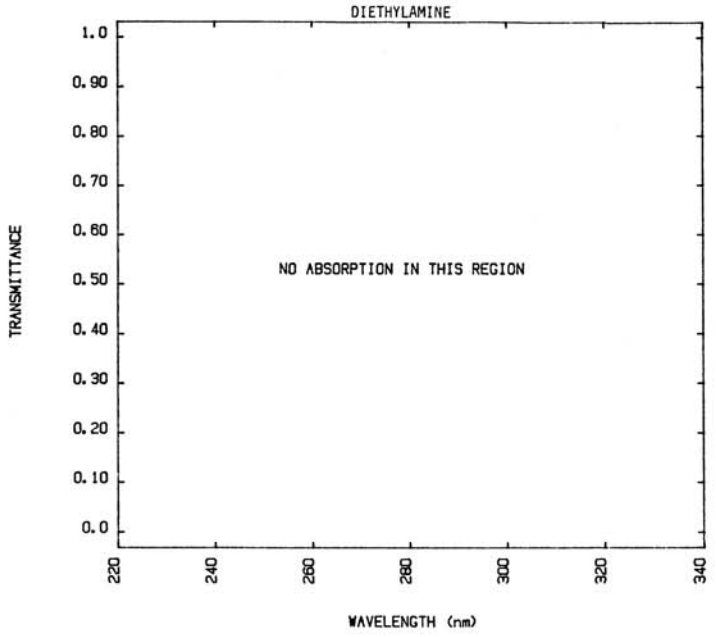
$C_4H_{11}N$

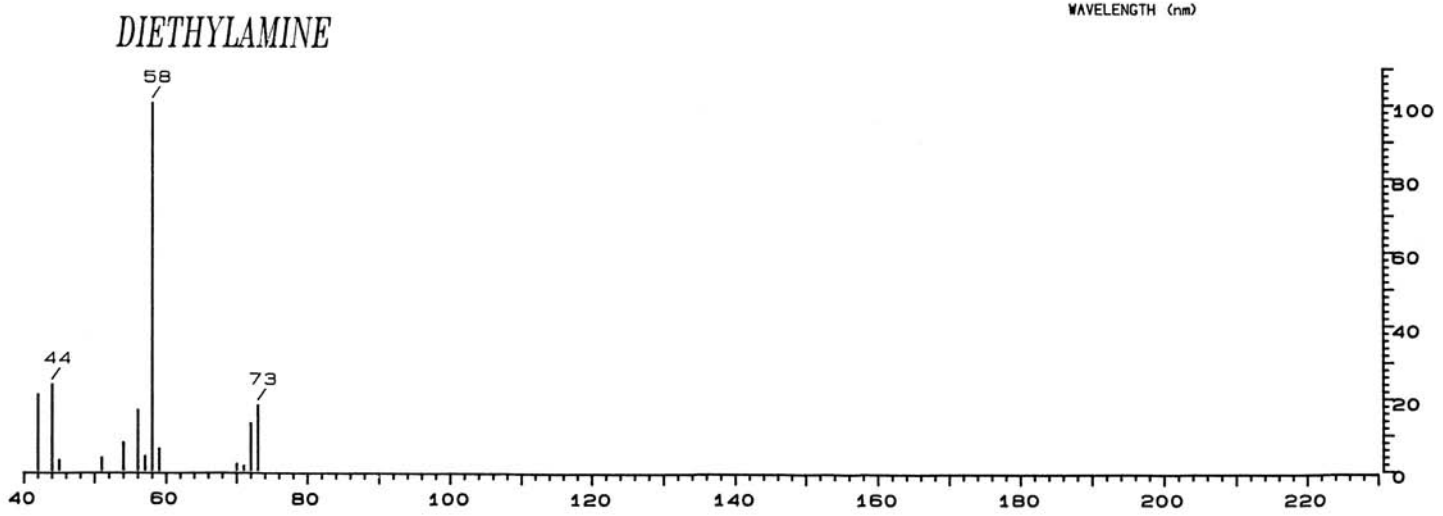
Molecular weight: 73.90 (73.14)
Synonyms: N-Ethylethanamine

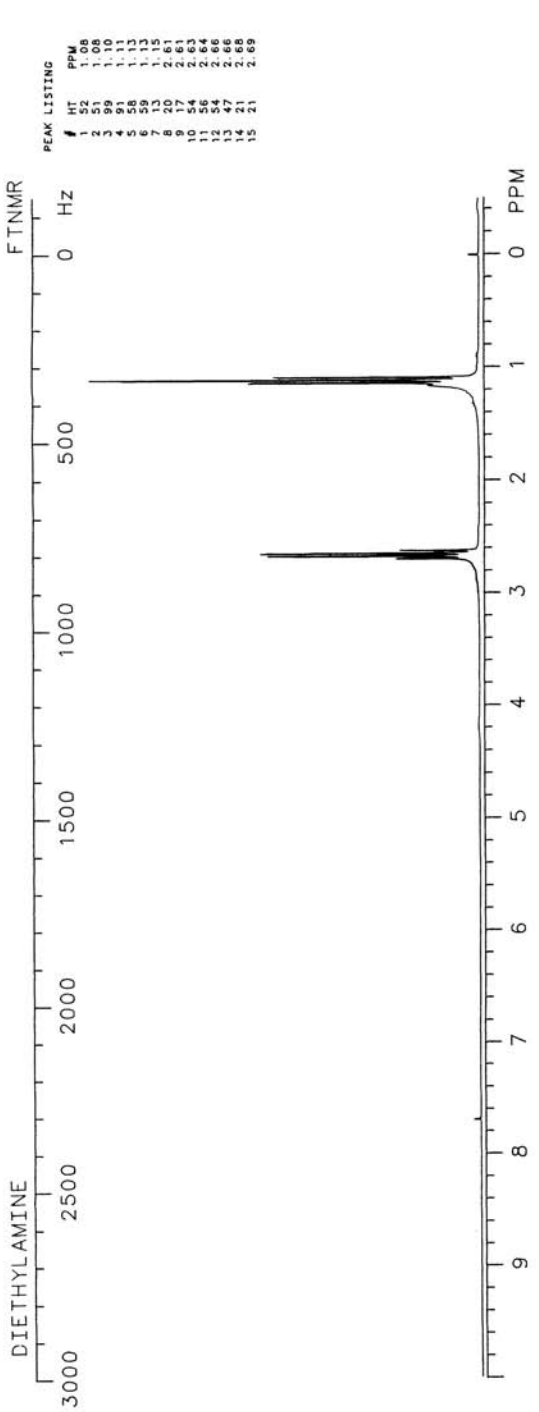
Trade names:

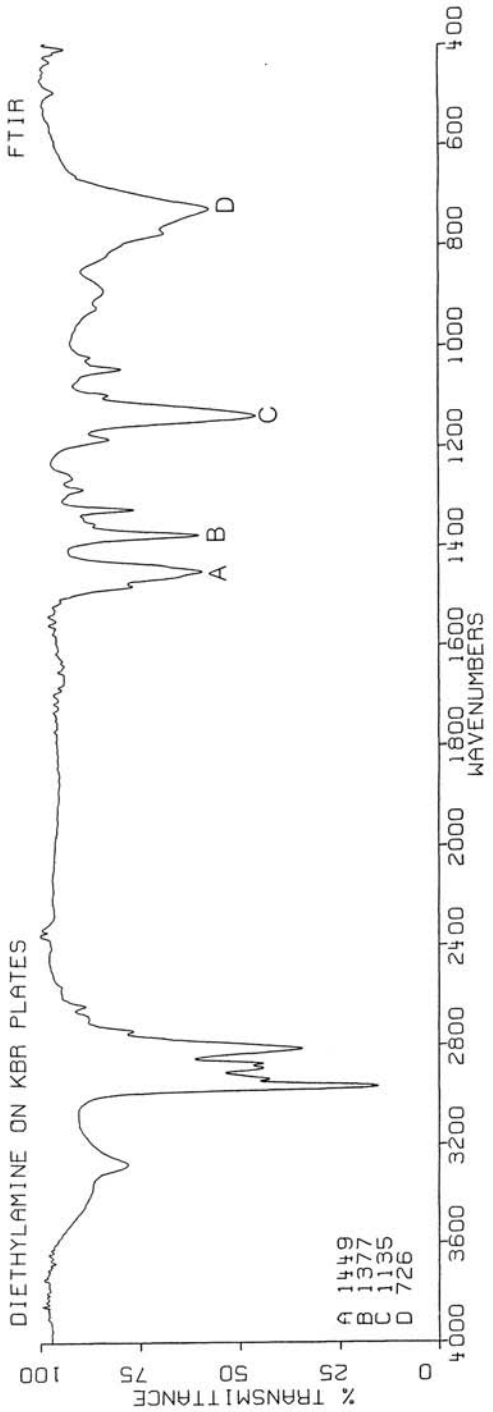
Use: Synthesis
HPLC:
GC:

$C_2H_5—NH—C_2H_5$






DIETHYLAMINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 52 1.08
2 51 1.08
3 99 1.10
4 91 1.11
5 58 1.13
6 59 1.13
7 13 1.15
8 20 2.61
9 17 2.61
10 54 2.63
11 56 2.64
12 54 2.66
13 47 2.66
14 21 2.68
15 21 2.69
9
8
7
6
5
4
3
2
1
0 PPM


DIETHYLAMINE ON KBR PLATES
FTIR
A 1449
B 1377
C 1135
D 726
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

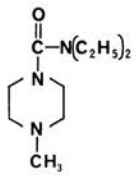
DIETHYLCARBAMAZINE

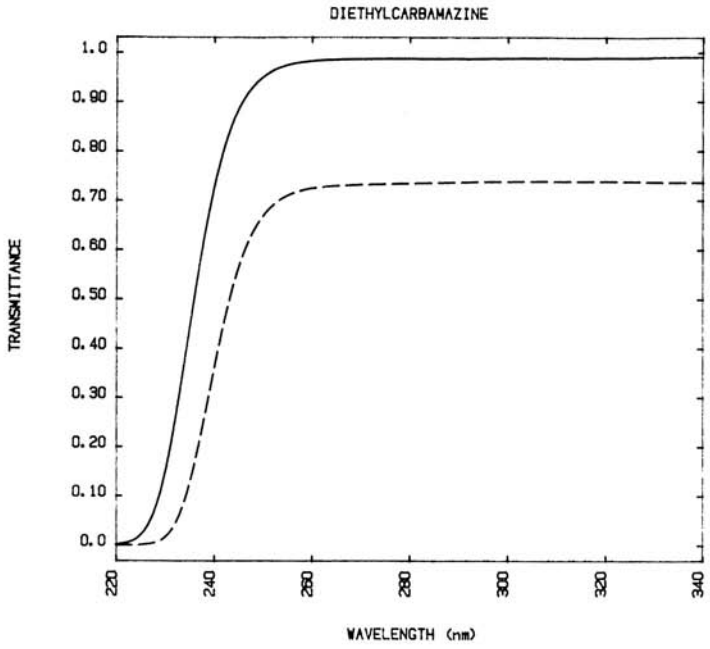
$C_{10}H_{21}N_3O$

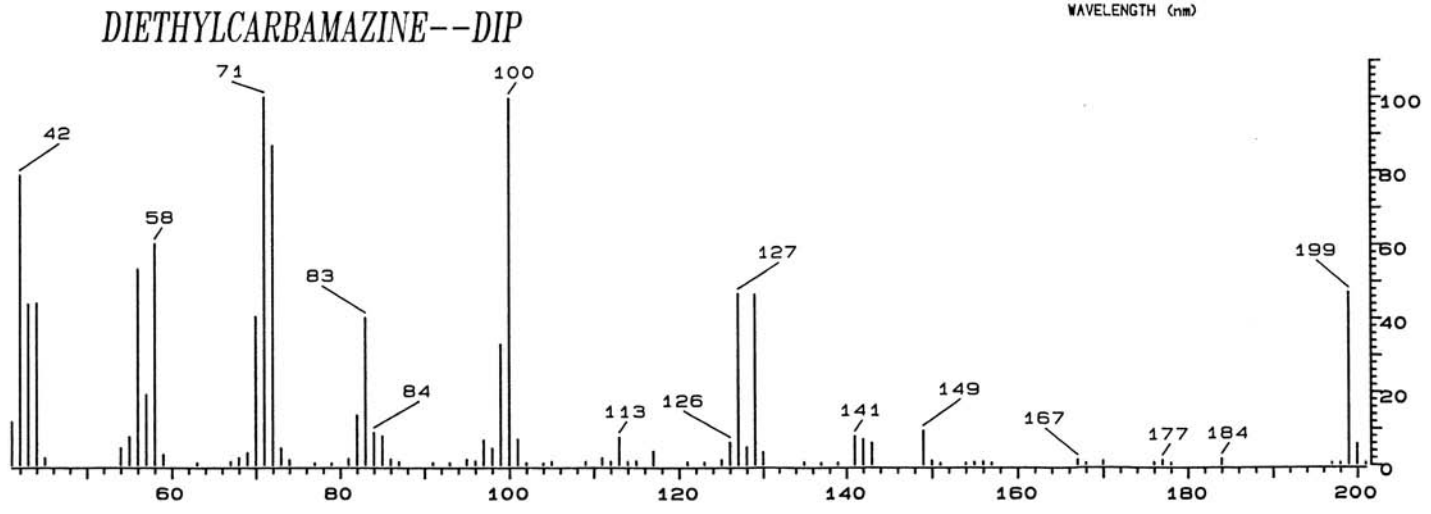
Molecular weight: 199.30 (199.17)
Synonyms: N,N-Diethyl-4-methyl-1-piperazinecarboxamide

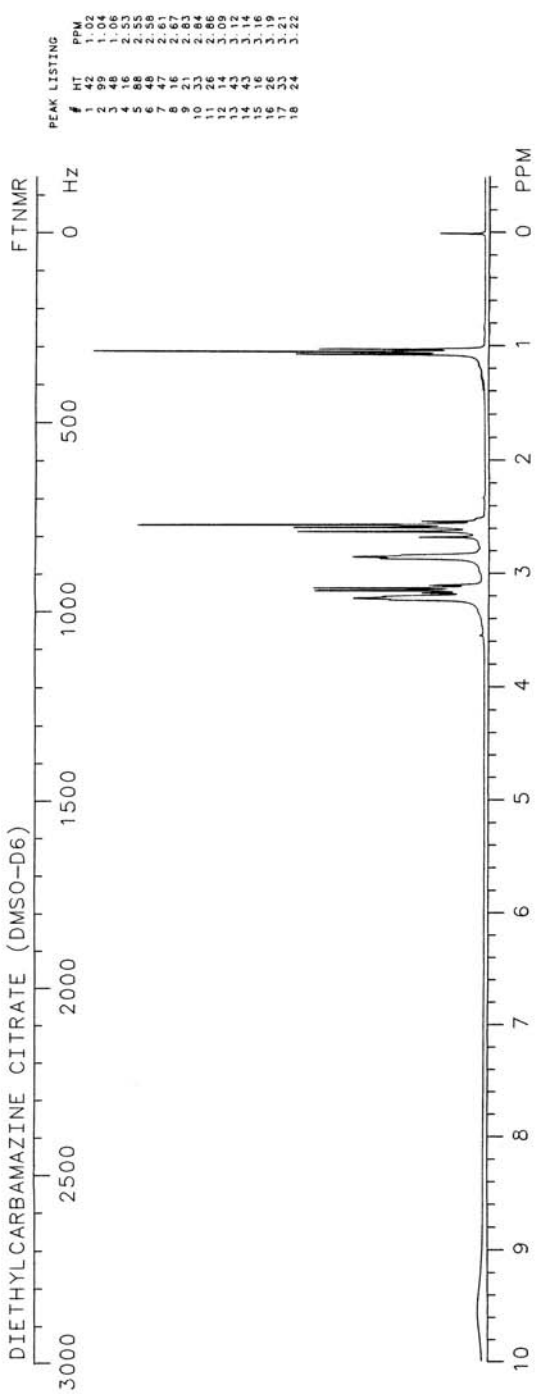
Trade names: Hetrazan

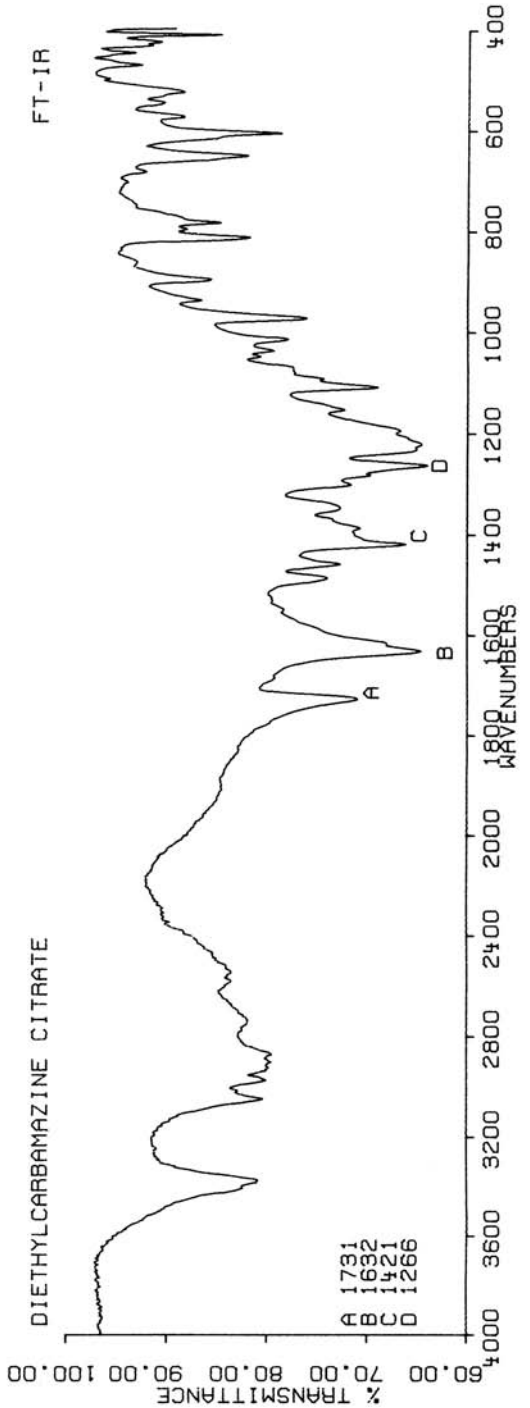
Use: Anthelmintic
HPLC:
GC:








DIETHYLCARBAMAZINE CITRATE (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 42 1.02
2 99 1.04
3 48 1.06
4 16 2.53
5 88 2.55
6 46 2.58
7 47 2.61
8 16 2.67
9 21 2.83
10 33 2.84
11 26 2.86
12 14 3.09
13 43 3.12
14 43 3.14
15 16 3.16
16 26 3.19
17 33 3.21
18 24


DIETHYLCARBAMAZINE CITRATE
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 B C D
A 1731
B 1632
C 1421
D 1266

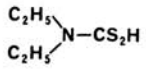
DIETHYLDITHIOCARBAMIC ACID

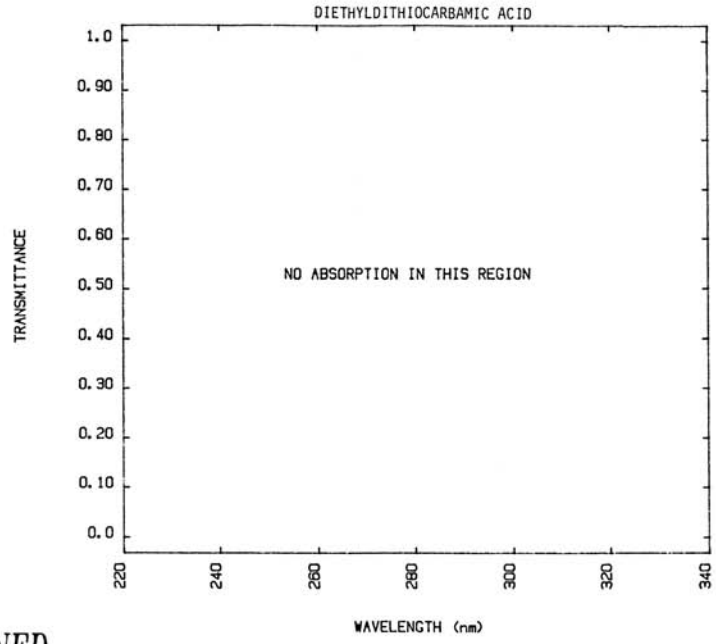
$C_5H_{11}NS_2$

Molecular weight: 149.19 (149.03)
Synonyms: Diethylcarbamodithioic acid

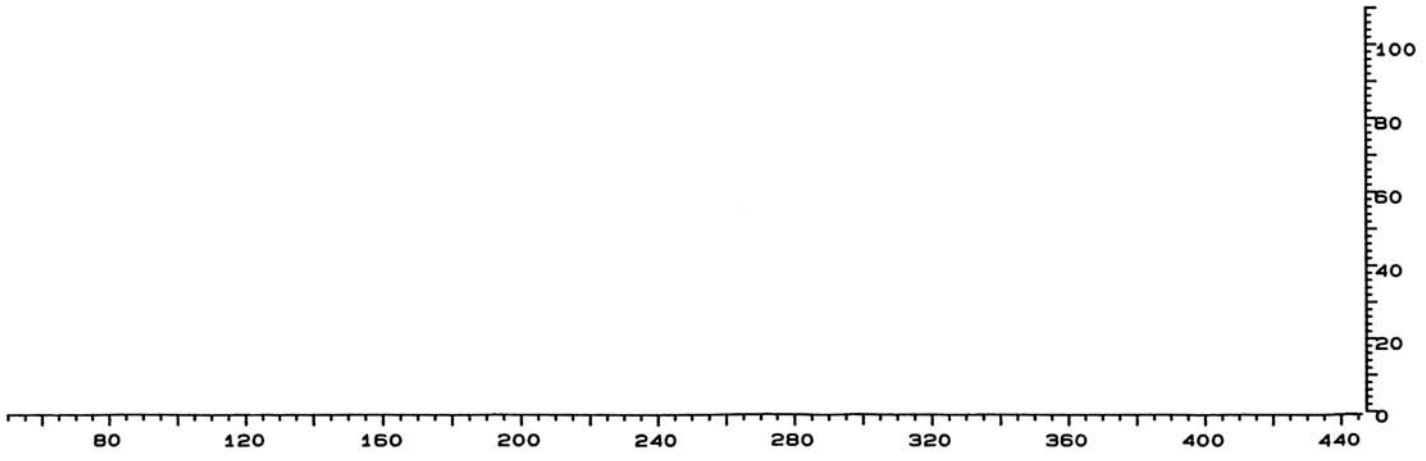
Trade names: Dithiocarb

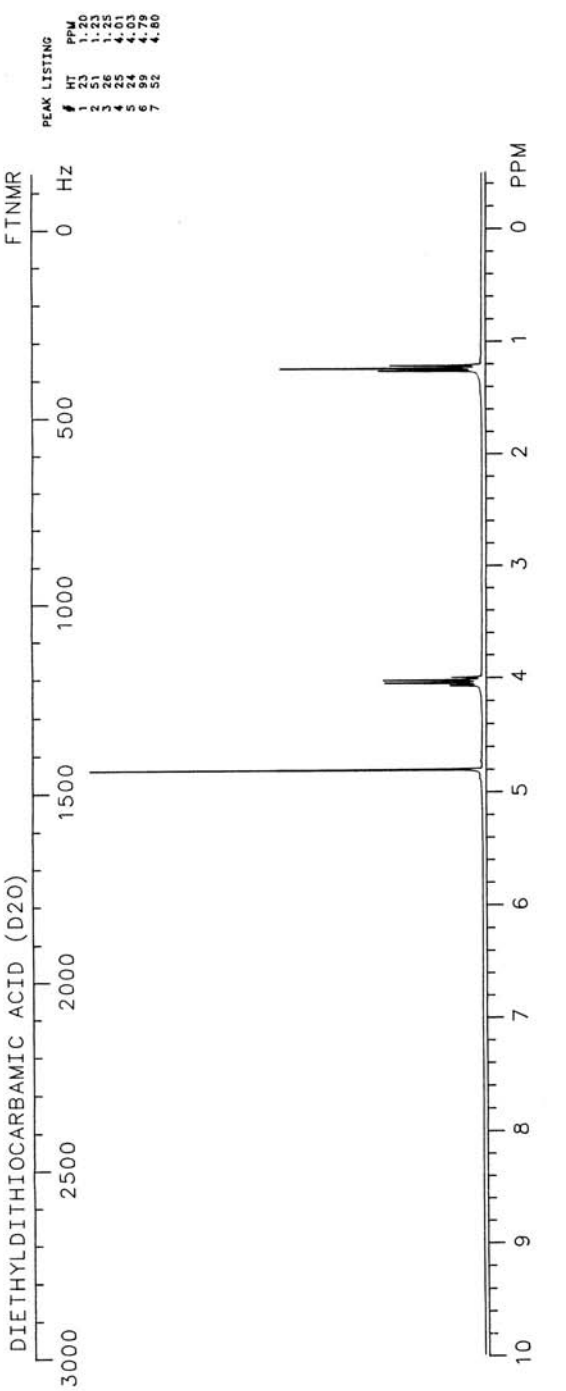
Use: Synthesis
HPLC:
GC:

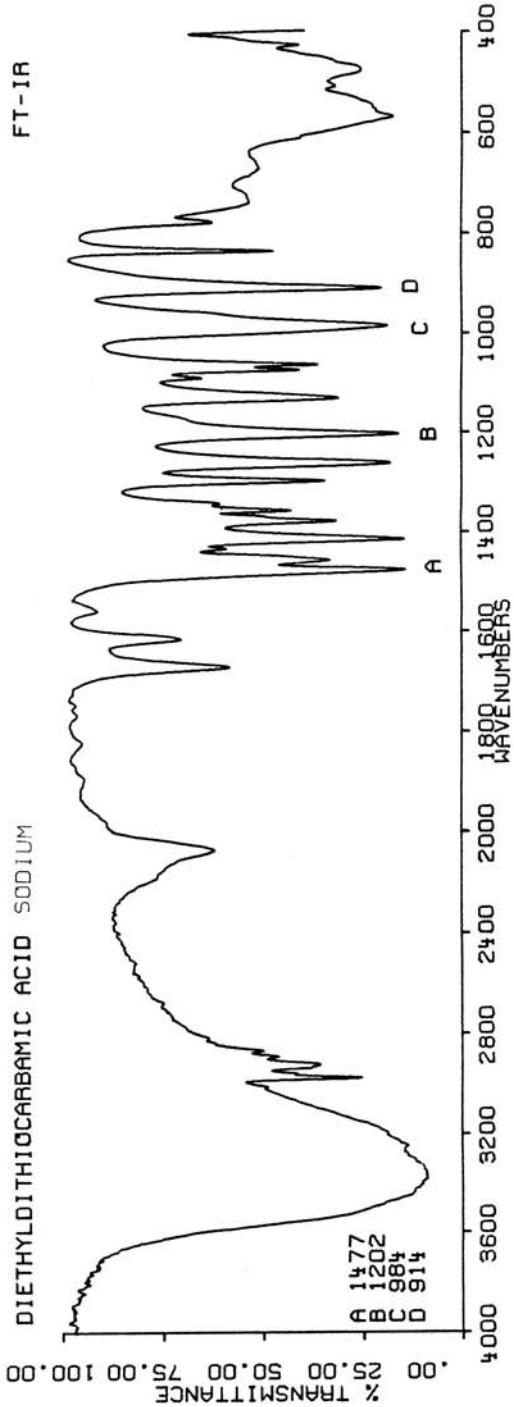




NO USEFUL MASS SPECTRUM WAS OBTAINED




DIETHYLDITHIOCARBAMIC 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 23 1.20
2 25 1.23
3 26 1.25
4 25 4.01
5 24 4.03
6 99 4.79
7 52 4.80

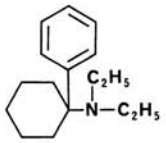

DIETHYLDITHIOCARBAMIC ACID SODIUM
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1477
B 1202
C 984
D 914
A
B
C
D

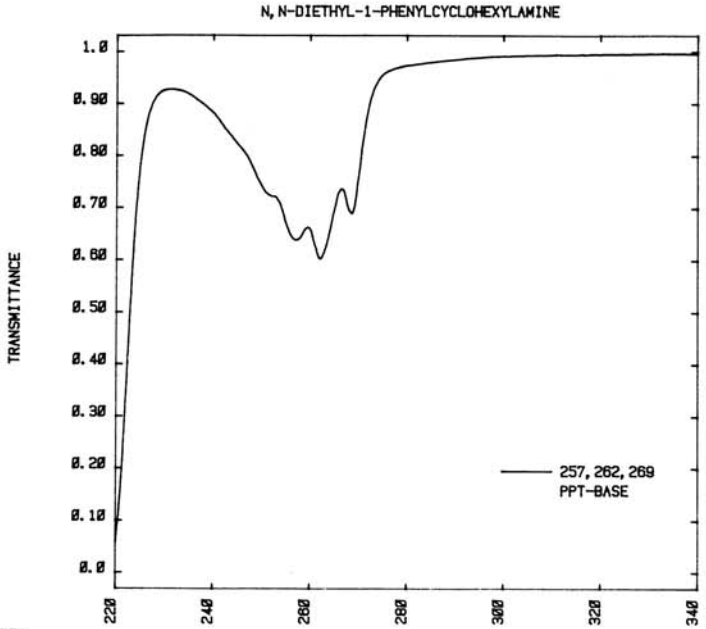
N,N-DIETHYL-1-PHENYLCYCLOHEXYLAMINE

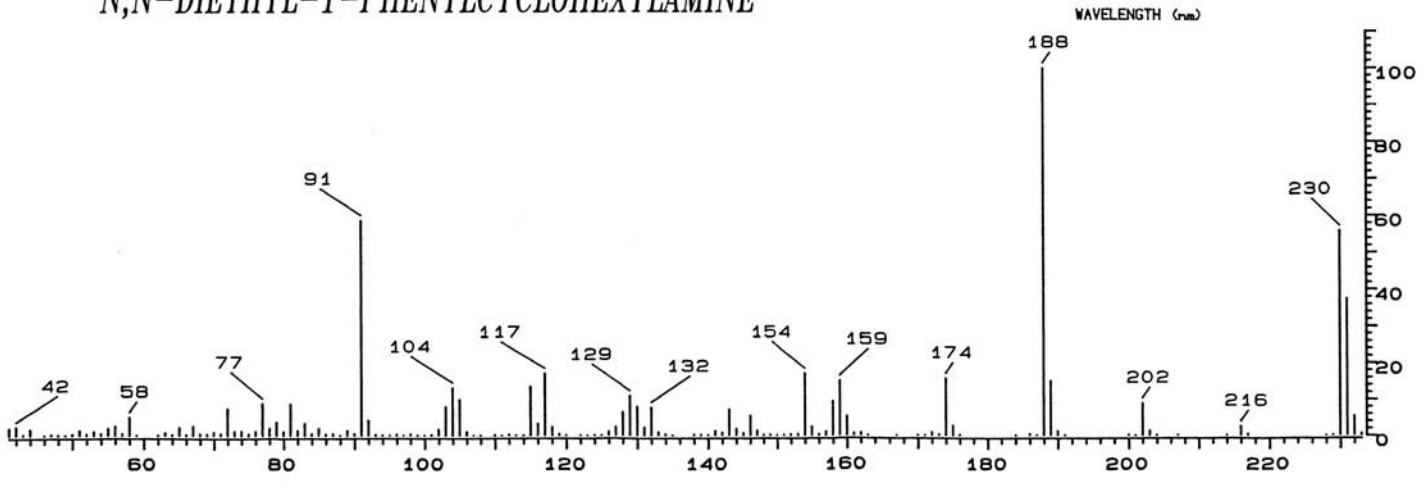
$C_{16}H_{25}N$

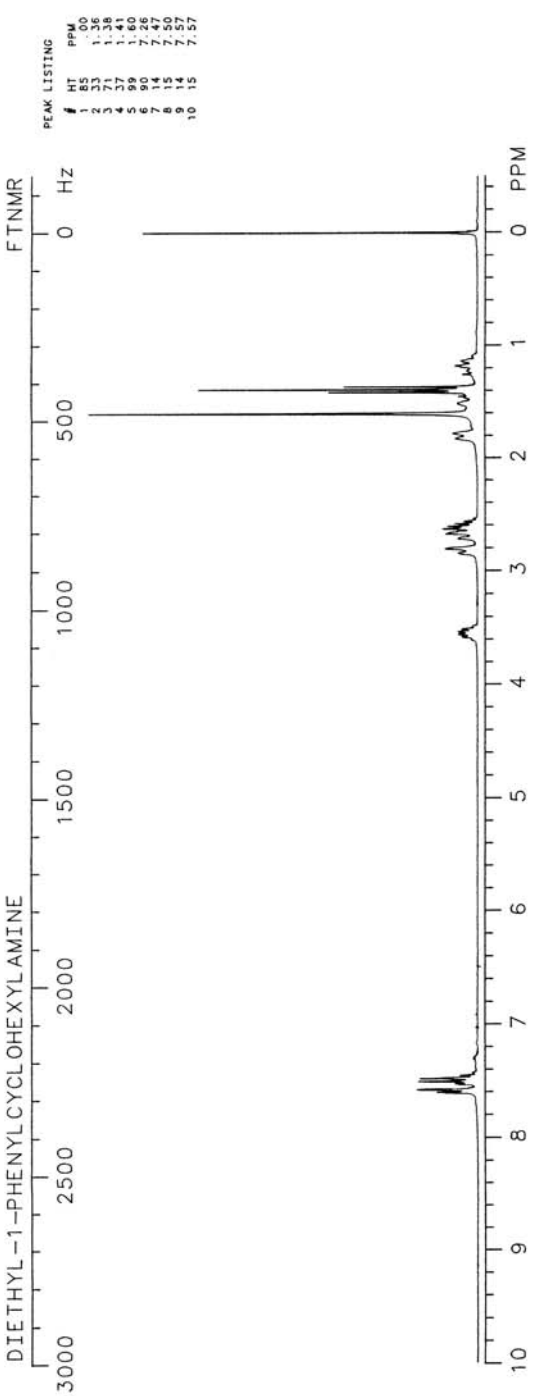
Molecular weight: 231.38 (231.20)
Synonyms: N,N-Diethyl-1-phenylcyclohexanamine; N,N-diethyl-1-phenylcyclohexamine
Trade names:

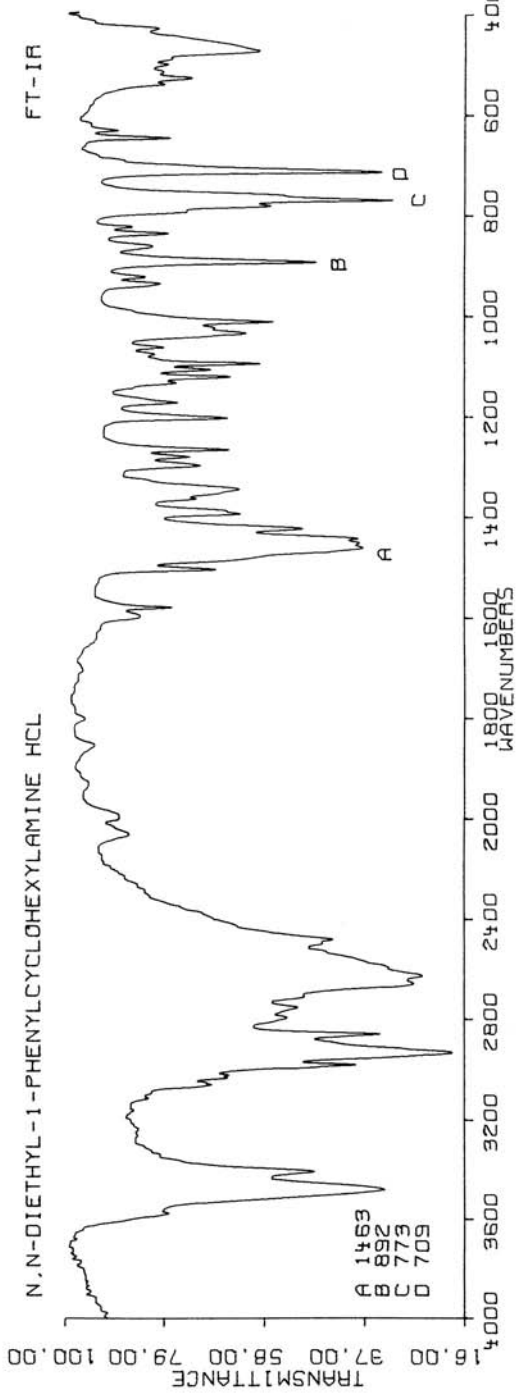
Use:
HPLC: Si-10; 10A:90B; 4.0
GC: 1712; 200°C








DIETHYL-1-PHENYLCYCLOHEXYLAMINE
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 .00
2 23 1.36
3 77 1.38
4 37 1.41
5 99 1.60
6 90 7.26
7 14 7.47
8 15 7.50
9 14 7.57
10 15 7.57


N,N-DIETHYL-1-PHENYLCYCLOHEXYLAMINE 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 1463
B 892
C 773
D 709
A
B
C
D

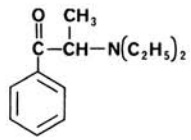
DIETHYLPROPION

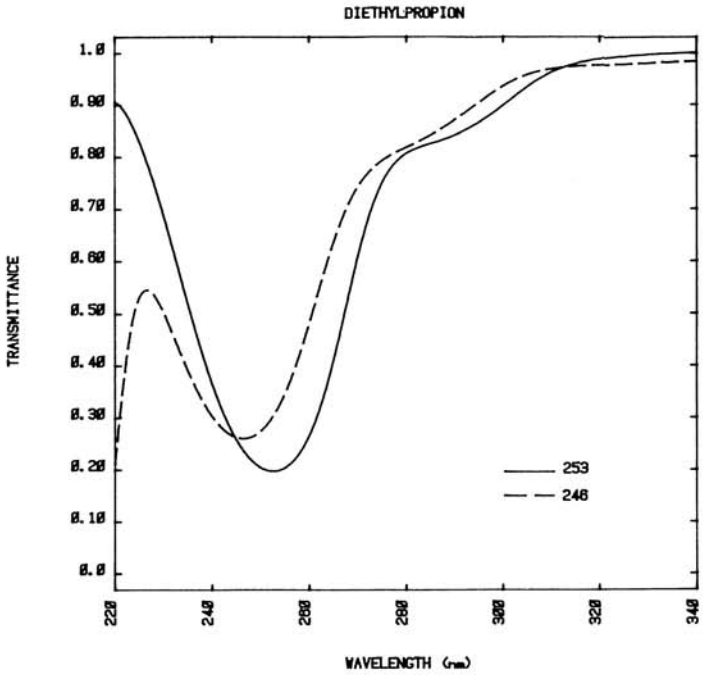
$C_{13}H_{19}NO$

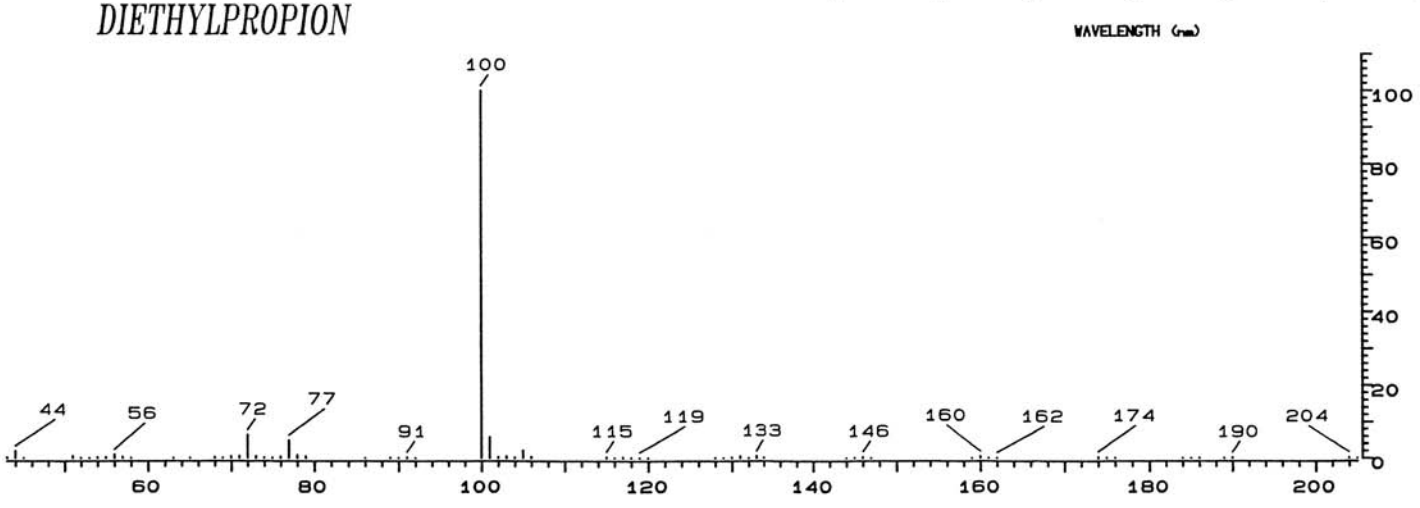
Molecular weight: 205.30 (205.15)
Synonyms: 2-(Diethylamino)-1-phenyl-1-propanone; amfepramone

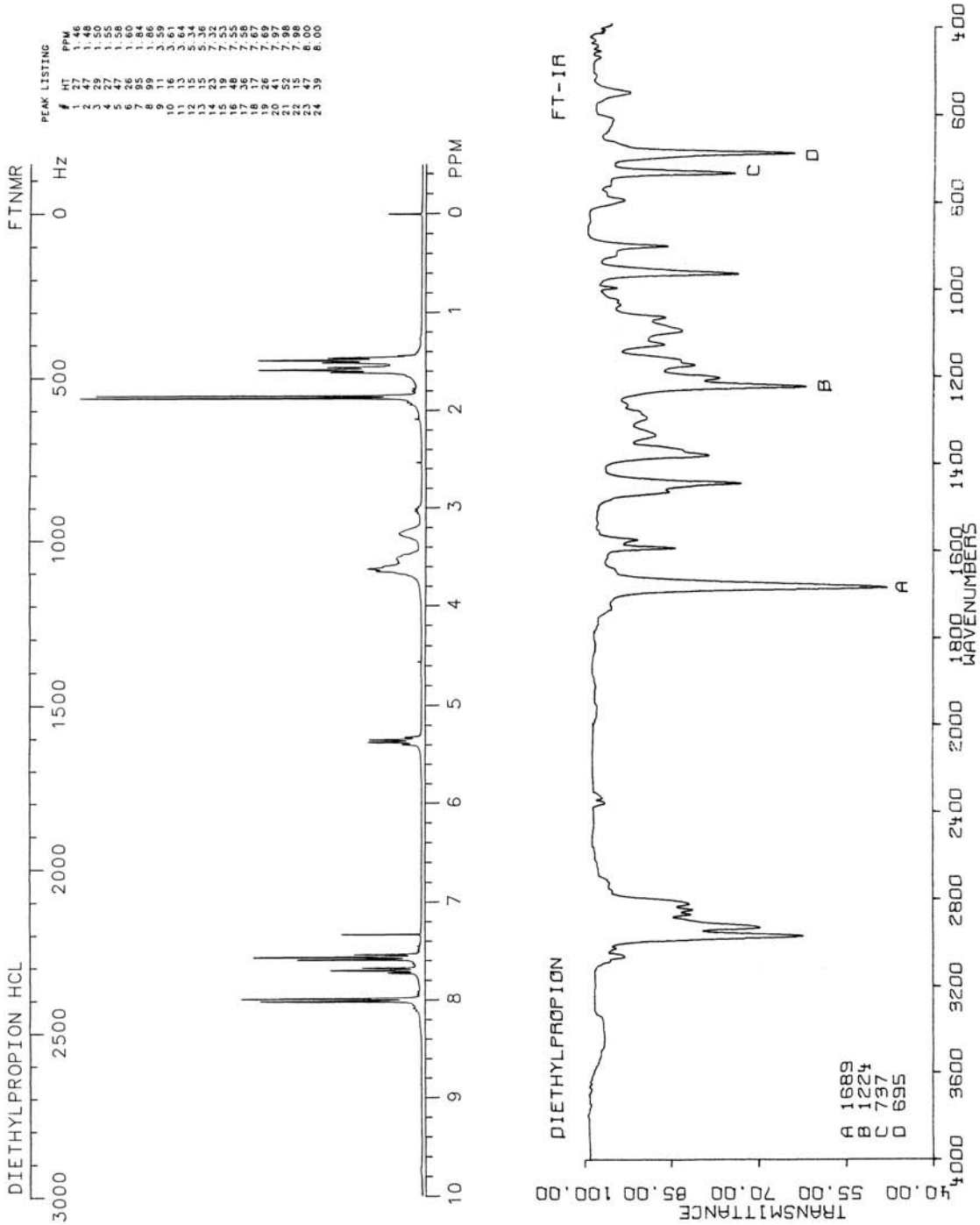
Trade names: Tenuate, Tepanil

Use: Anorexic
HPLC: Si-10; 2A:98B; 3.8
GC: 1518; 200°C







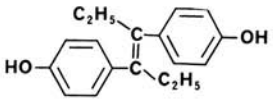

DIETHYLPROPION HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 27 1.46
2 47 1.48
3 29 1.50
4 29 1.55
5 47 1.58
6 26 1.60
7 95 1.84
8 99 1.86
9 11 3.59
10 16 3.61
11 15 3.64
12 15 5.34
13 15 5.36
14 23 7.32
15 19 7.53
16 48 7.55
17 16 7.58
18 17 7.67
19 26 7.69
20 41 7.97
21 52 7.98
22 15 7.98
23 47 8.00
24 39 8.00
DIETHYLPROPION
FT-IR
A 1689
B 1224
C 737
D 695
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

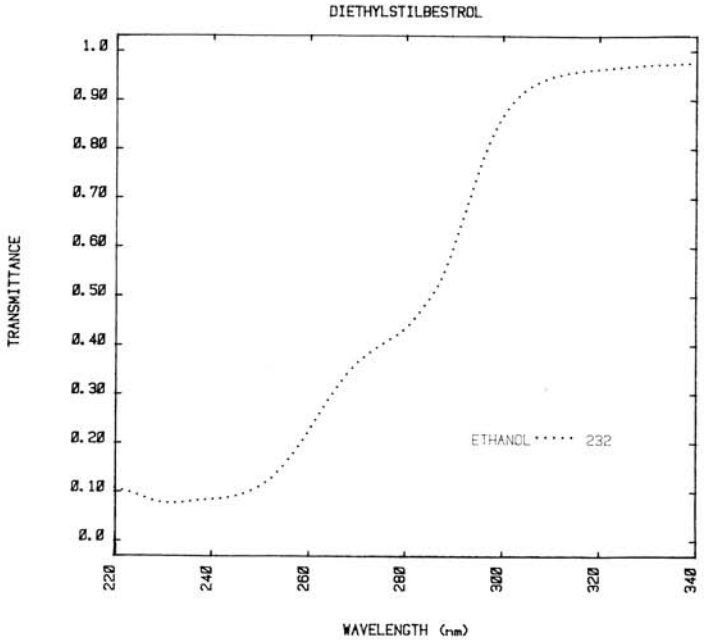
DIETHYLSTILBESTROL

$C_{18}H_{20}O_2$

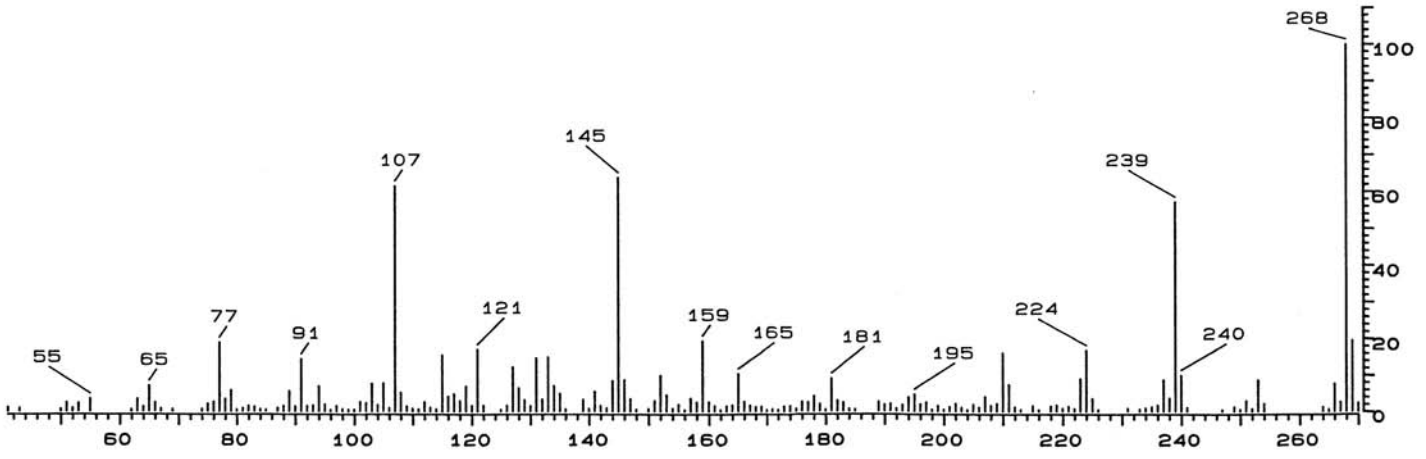
Molecular weight: 268.36 (268.15)
Synonyms: (E)-4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol; stilbestrol; DES
Trade names: Diethylstilbestrol

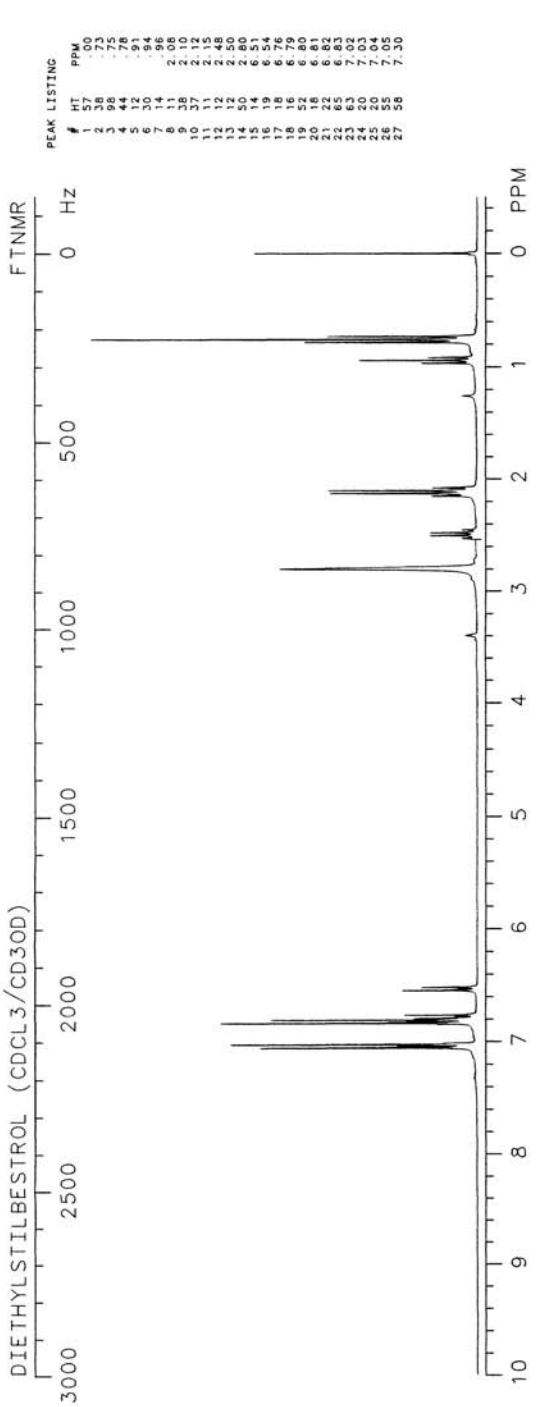
Use: Estrogen
HPLC:
GC: 2323; 250°C

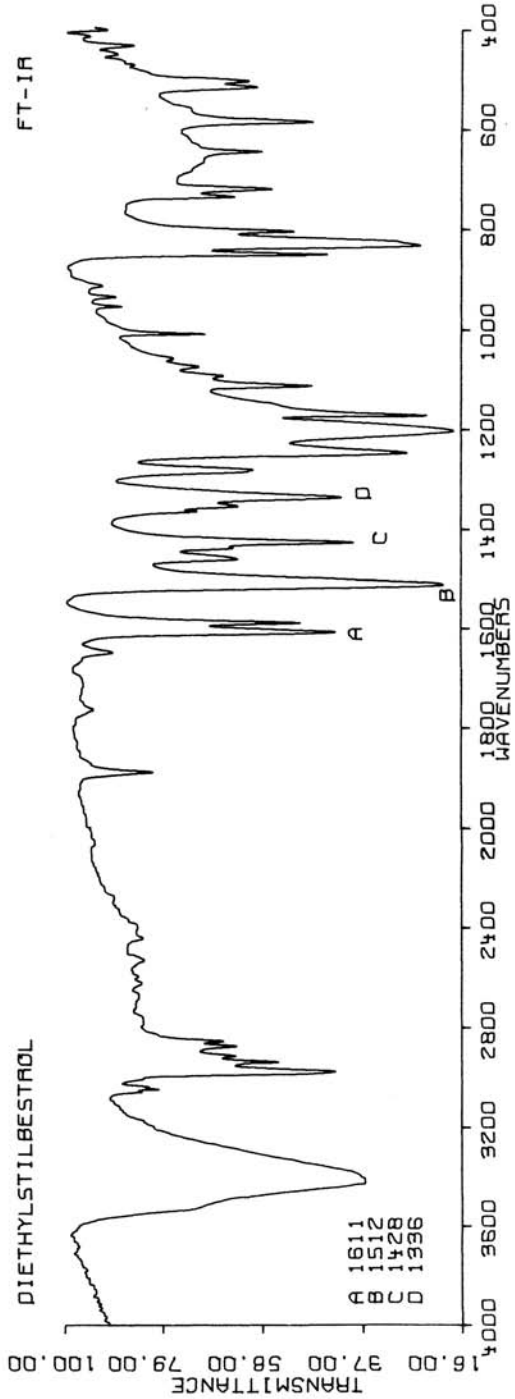




DIETHYLSTILBESTROL




DIETHYLSTILBESTROL (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 57 .00
2 38 .73
3 98 .75
4 44 .78
5 12 .91
6 30 .94
7 14 .96
8 11 2.08
9 38 2.10
10 37 2.12
11 11 2.15
12 12 2.48
13 12 2.50
14 50 2.80
15 14 6.51
16 19 6.54
17 18 6.76
18 16 6.79
19 52 6.80
20 18 6.81
21 22 6.82
22 65 6.83
23 65 7.02
24 20 7.03
25 20 7.04
26 55 7.05
27 58 7.30

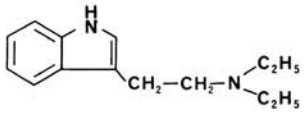

DIETHYLSTILBESTROL
FT-IR
TRANSMITTANCE
16.00
37.00
58.00
79.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A 1611
B 1512
C 1428
D 1336
A
B
C
D

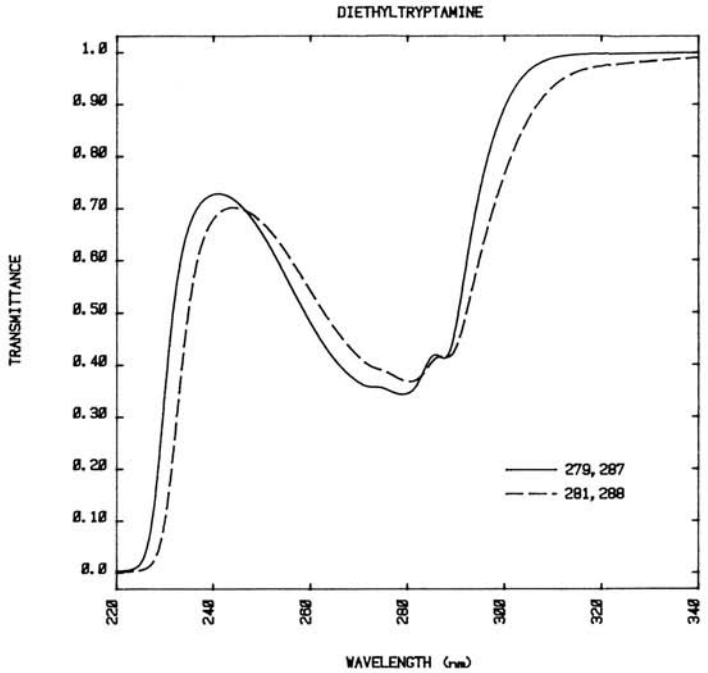
DIETHYLTRYPTAMINE

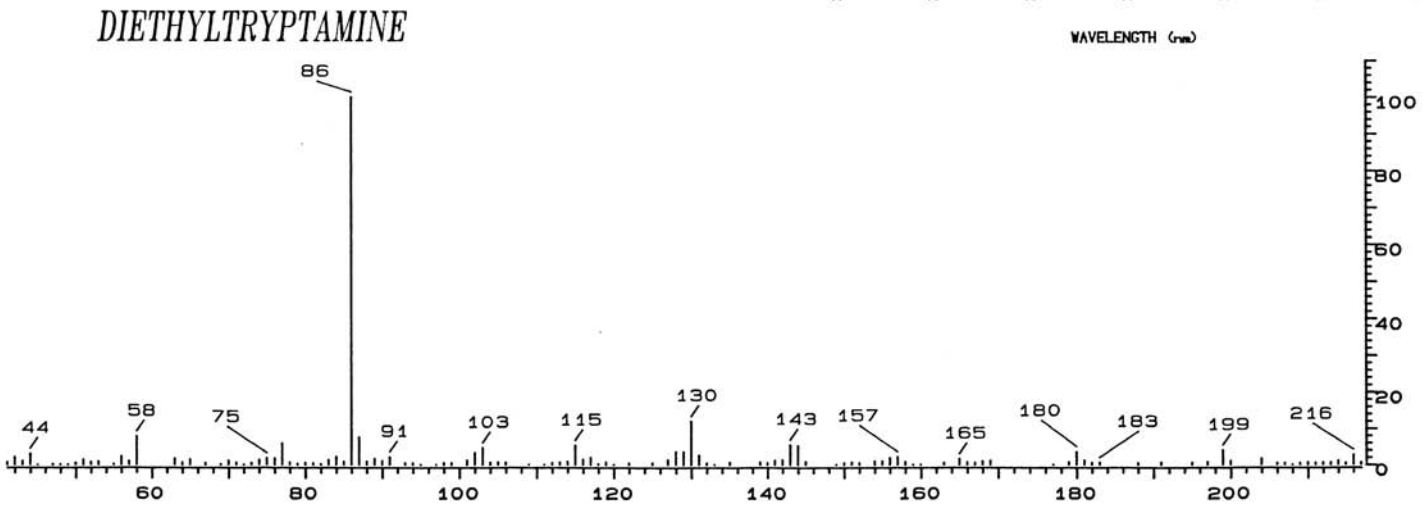
$C_{14}H_{20}N_2$

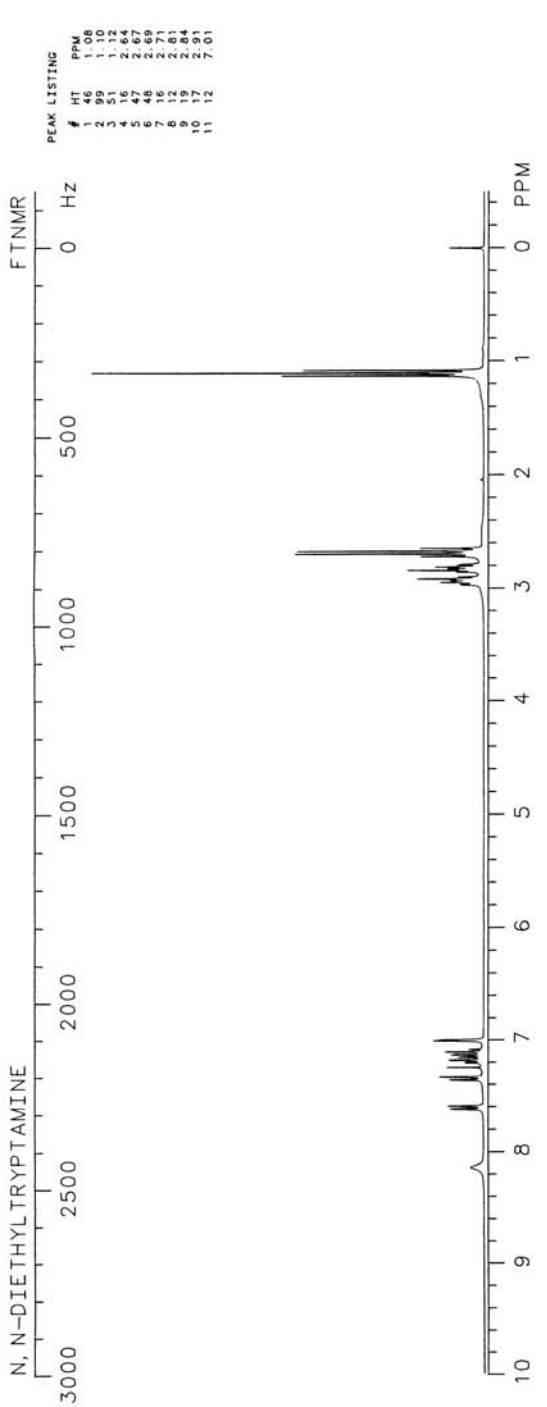
Molecular weight: 216.33 (216.16)
Synonyms: N,N-Diethyl-1H-indole-3-ethanamine; 3-[2-(diethylamino)ethyl]indole; DET
Trade names:

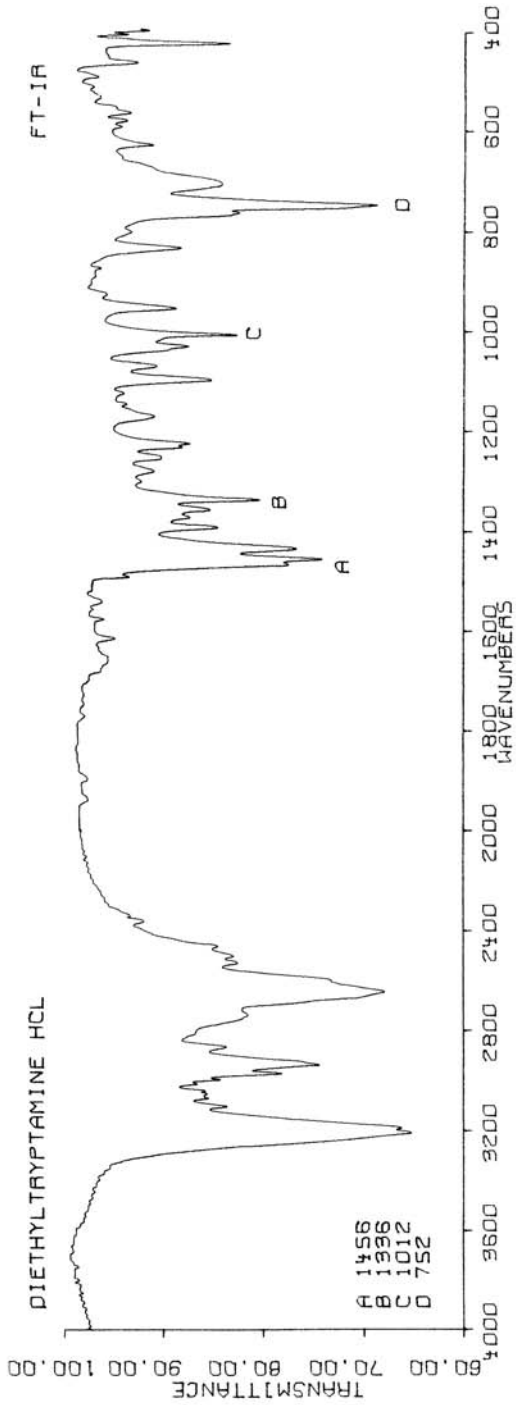
Use: Hallucinogen
HPLC: Si-10; 20A:80B; 7.0
GC: 1938; 200°C








N, N-DIETHYLTRYPTAMINE
FTNMR
Hz
PPM
PEAK LISTING
HT PPM
1 46 1.08
2 99 1.10
3 51 1.12
4 16 2.64
5 47 2.67
6 46 2.69
7 16 2.71
8 12 2.81
9 19 2.84
10 17 2.91
11 12 7.01

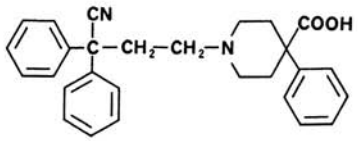

DIETHYLTRYPTAMINE HCL
FT-IR
TRANSMITTANCE
WAVENUMBERS
A 1456
B 1386
C 1012
D 752

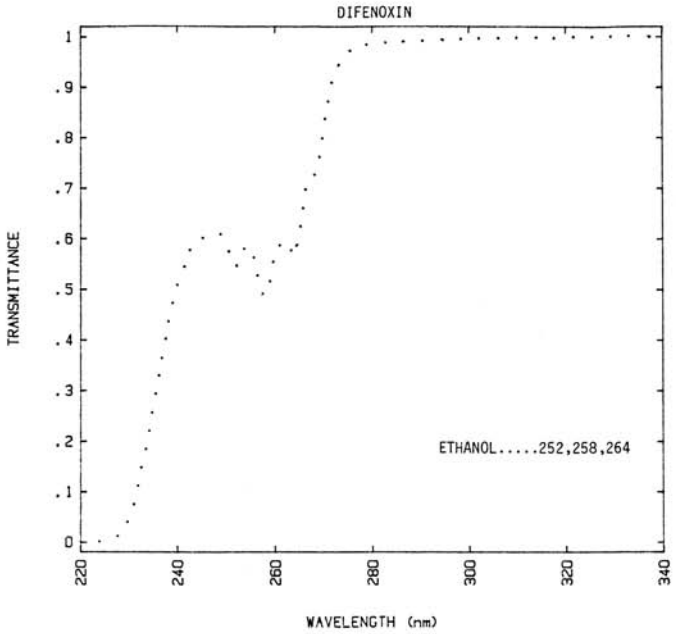
DIFENOXIN

$C_{28}H_{28}N_2O_2$

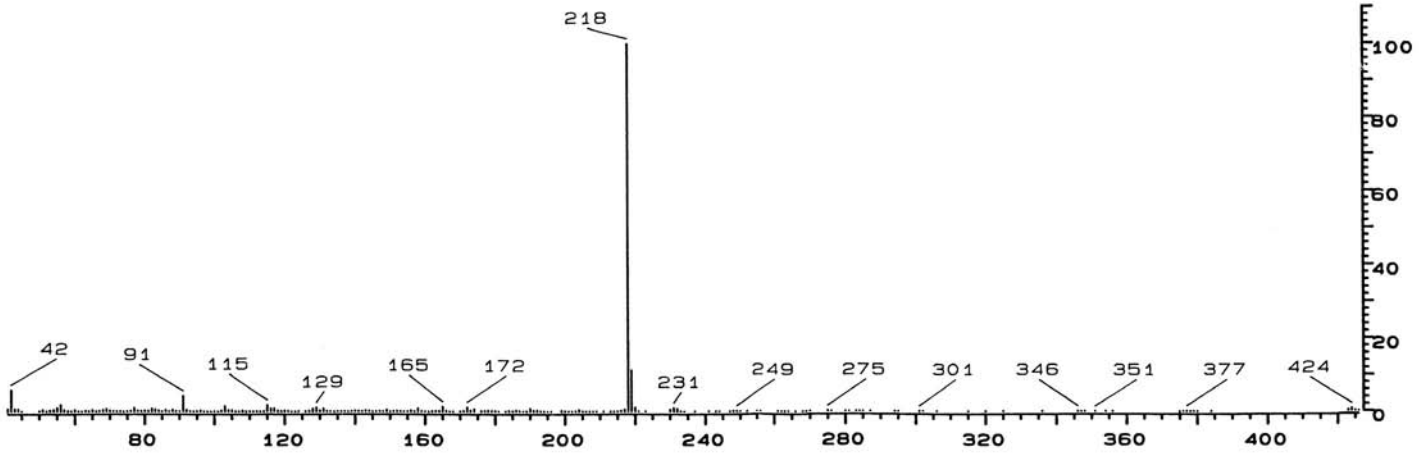
Molecular weight: 424.54 (424.22)
Synonyms: 1-(3-Cyano-3,3-diphenylpropyl)-4-phenyl-4-piperidinecarboxylic acid; difenoxilic acid; difenoxylic acid
Trade names: Lyspafen

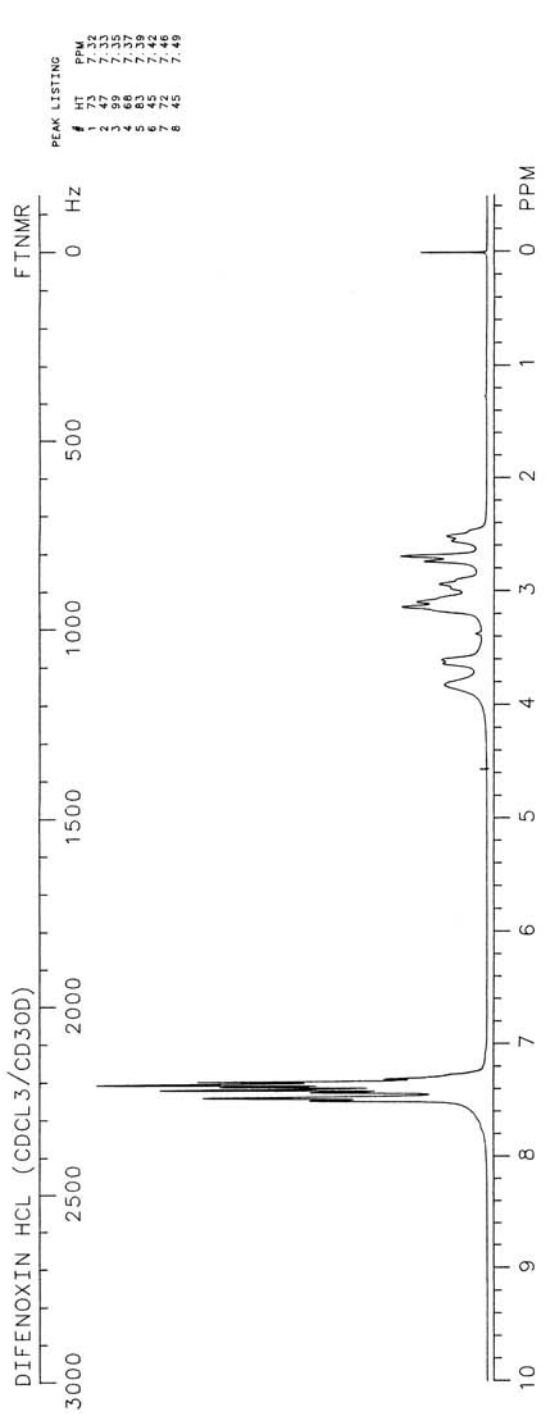
Use: Antiperistaltic
HPLC: Si-10; 10A:90B; 7.1
GC:

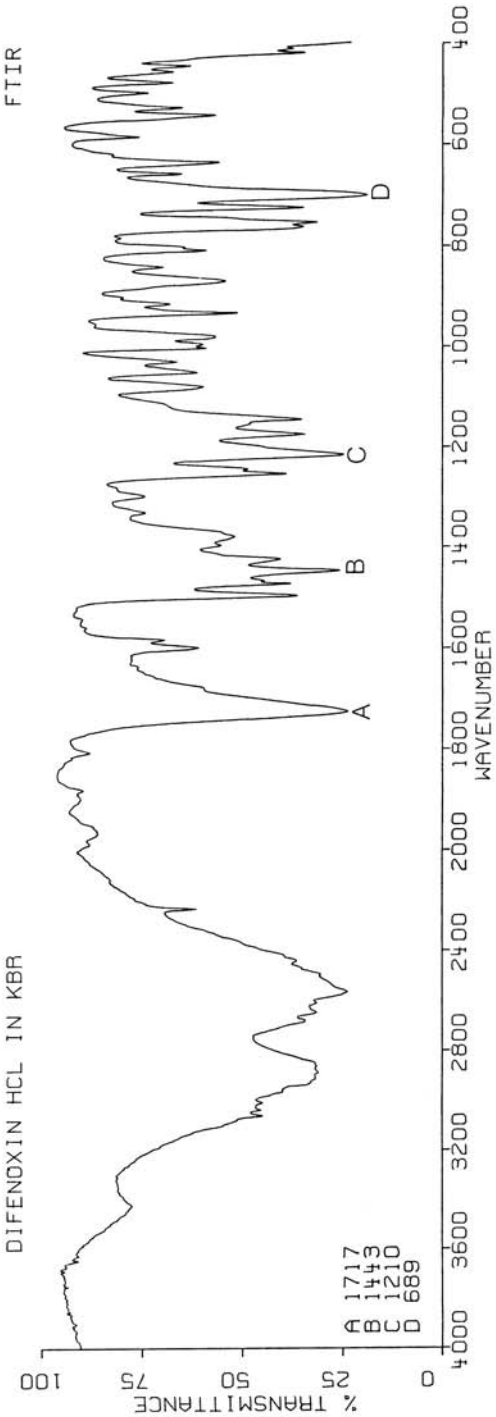




DIFENOXIN--DIP




DIFENOXIN 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 71 7.32
2 47 7.33
3 99 7.35
4 68 7.37
5 83 7.39
6 45 7.42
7 72 7.46
8 45 7.49

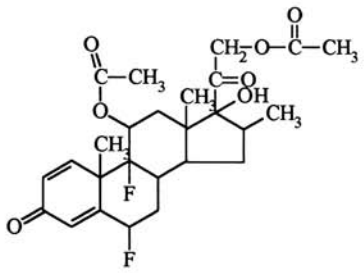

DIFENOXIN HCL IN KBR
FTIR
A 1717
B 1443
C 1210
D 689
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

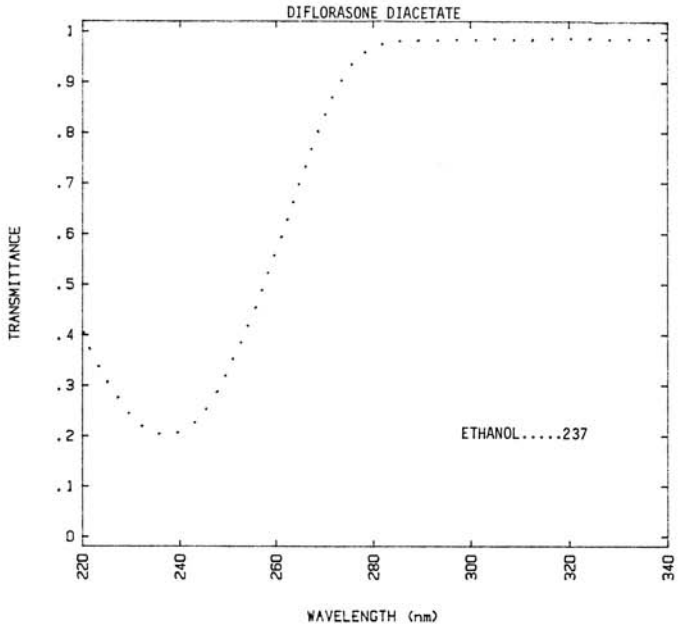
DIFLORASONE DIACETATE

$C_{26}H_{32}F_2O_7$

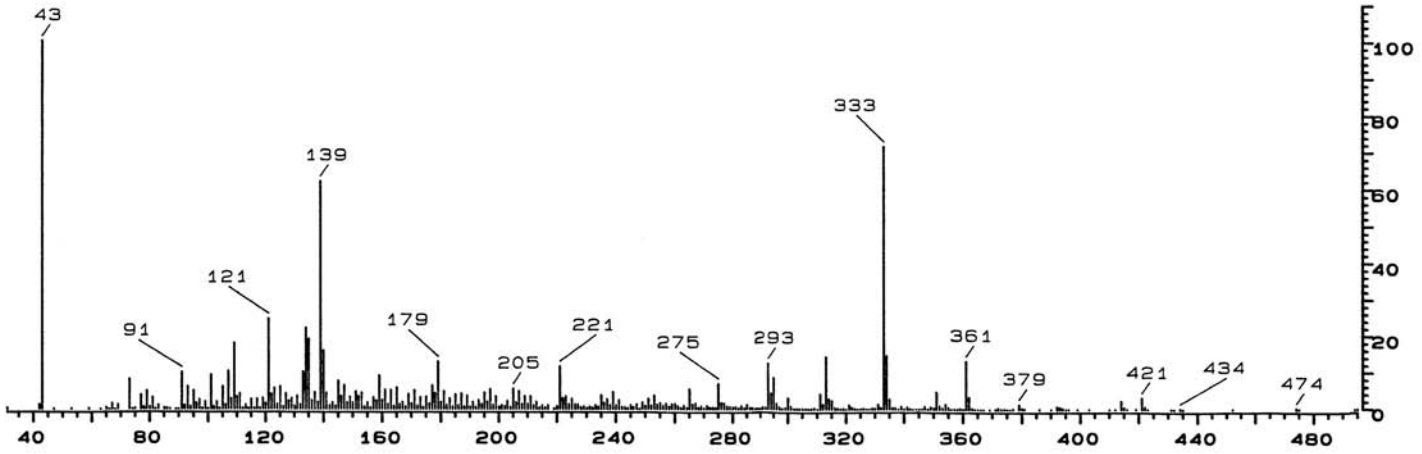
Molecular weight: 494.53 (494.21)
Synonyms: 6α,9α-Difluoro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione *diacetate*
Trade names: Florone, Maxiflor

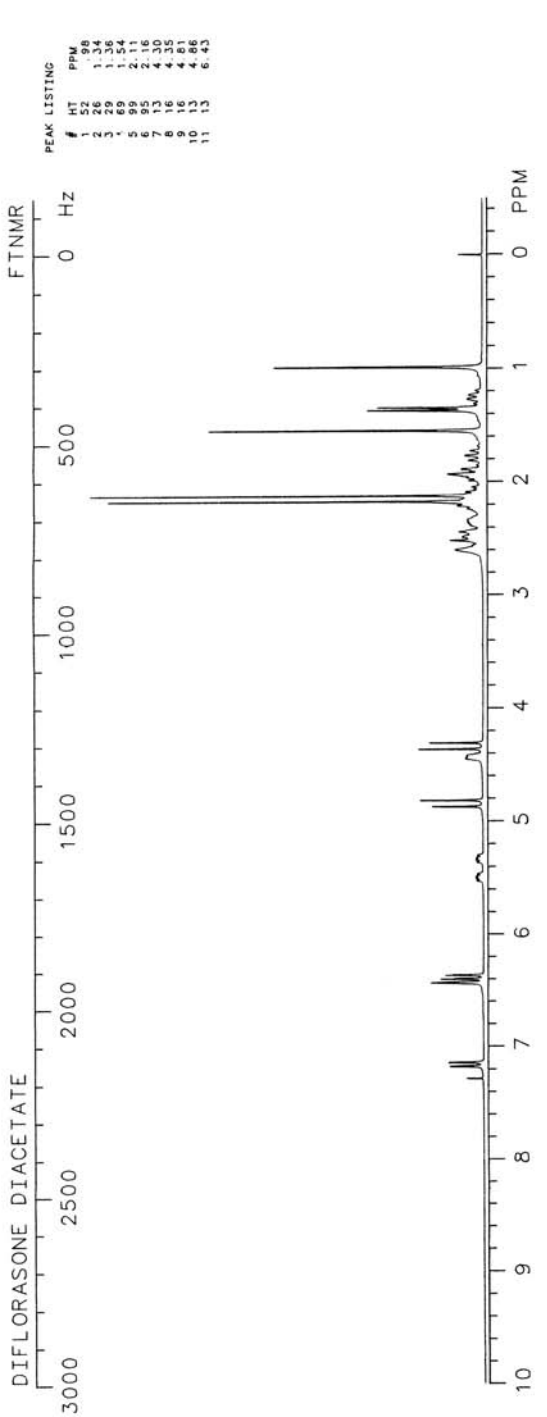
Use: Anti-inflammatory
HPLC: Si-10; 100B; 2.8
GC:

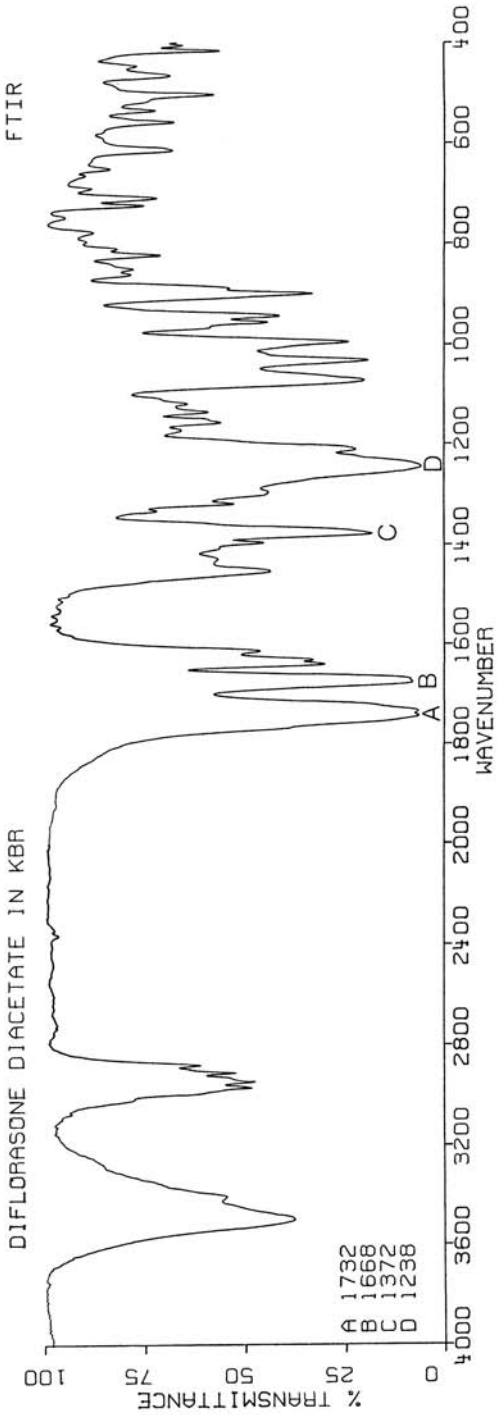




DIFLORASONE DIACETATE--DIP




FTNMR
DIFLORASONE DIACETATE
PEAK LISTING
HT PPM
1 52 .98
2 26 1.34
3 29 1.36
4 69 1.54
5 99 2.11
6 95 2.16
7 13 4.30
8 16 4.35
9 16 4.81
10 13 4.86
11 13 6.45
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
DIFLORASONE DIACETATE IN KBR
A 1732
B 1668
C 1372
D 1238
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

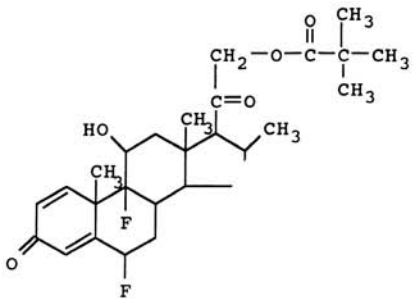
DIFLUCORTOLONE

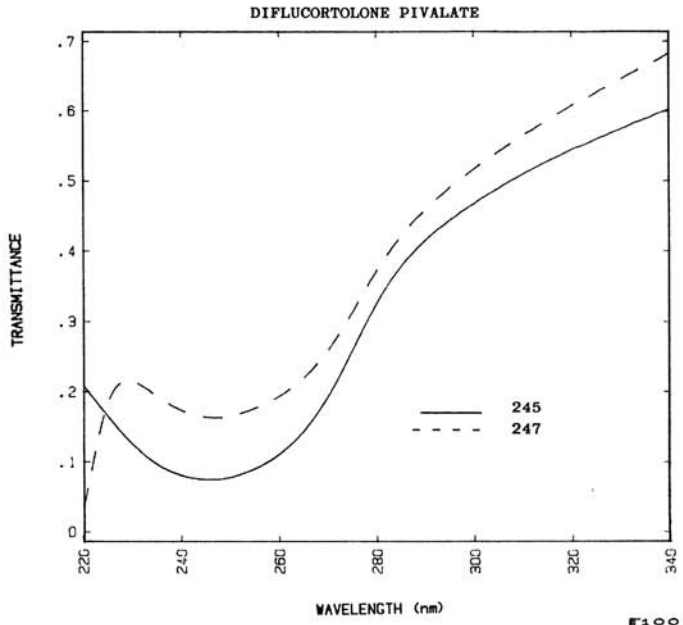
$C_{27}H_{36}F_2O_5$

Molecular weight: 478.60 (478.25)

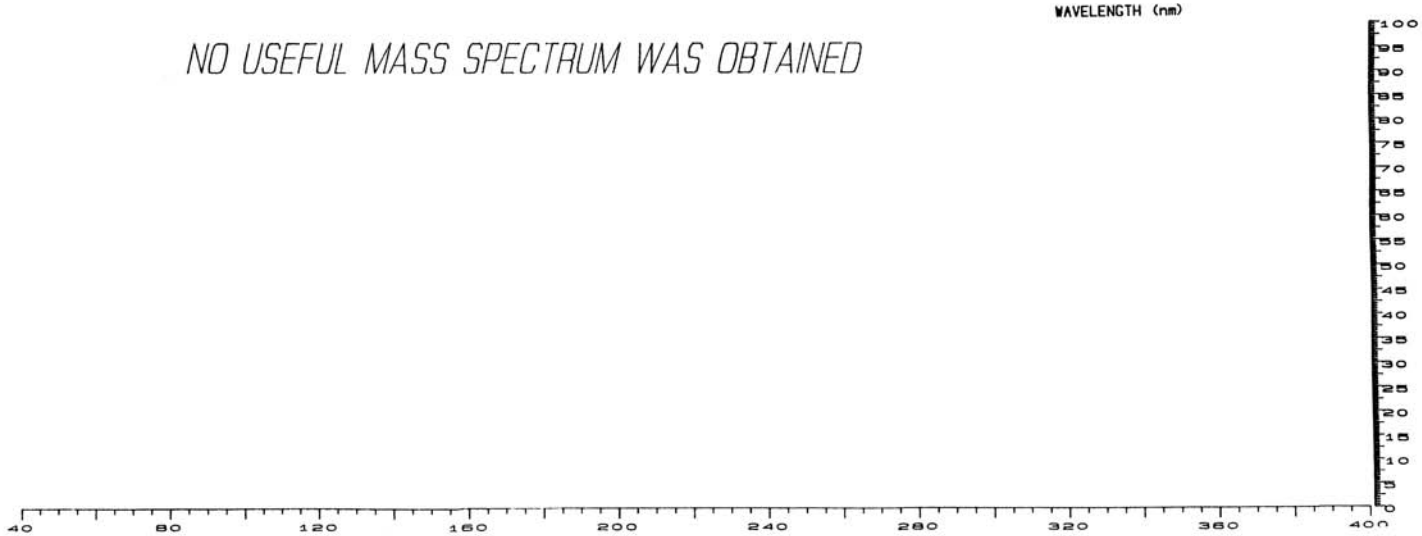
Synonyms: 6,9-Difluoro-11,21-dihydroxy-16-methylpregna,1,4-diene-3,20-dione-21-pivalate
Trade names: Nerisona, Nerisone, Temetex, Texmeten

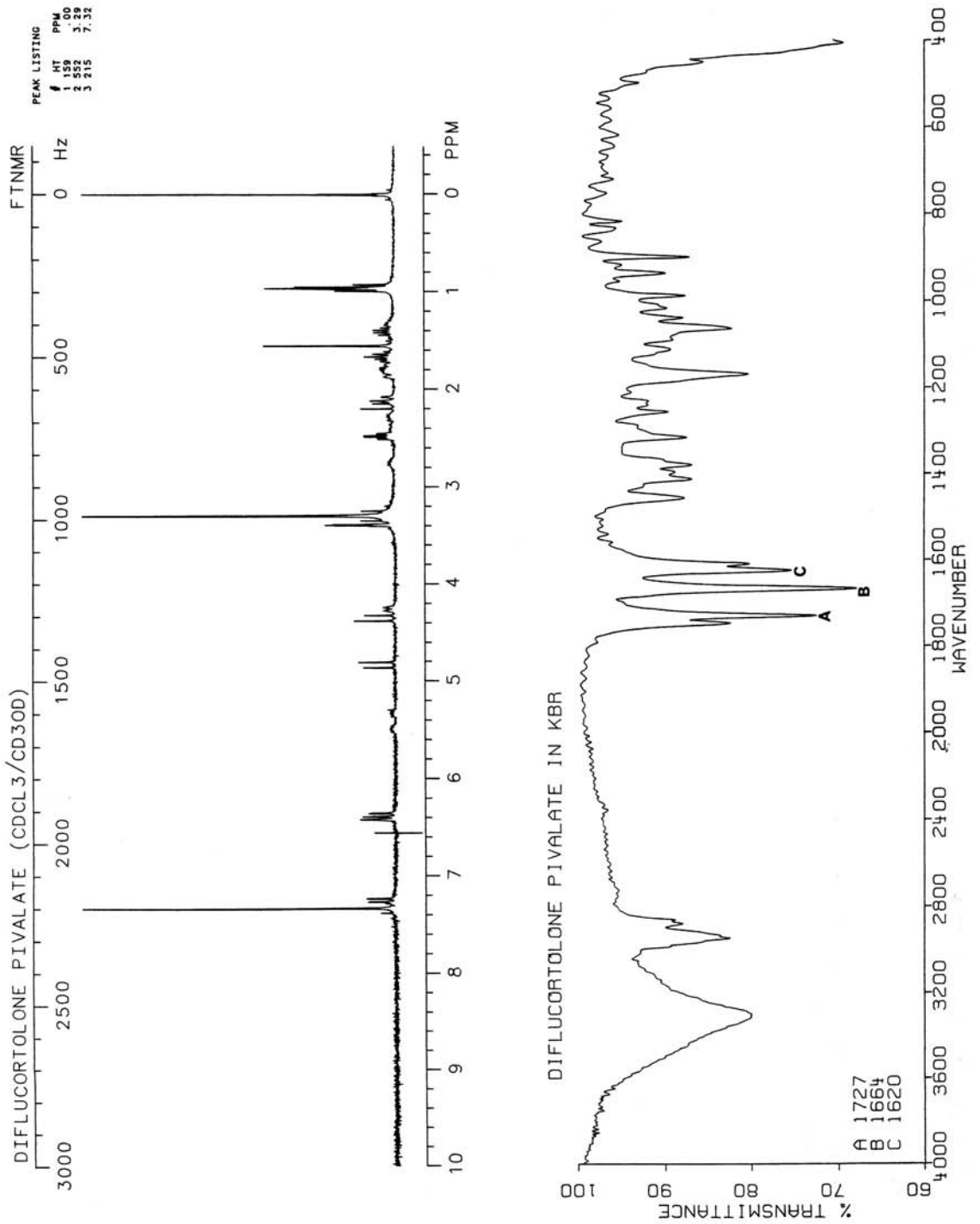
Use: Anti-inflammatory
HPLC: 90A:10B; 3.7
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



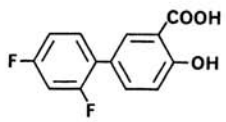

DIFLUCORTOLONE PIVALATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 159 1.00
2 552 3.29
3 215 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
DIFLUCORTOLONE PIVALATE IN KBR
A 1727
B 1664
C 1620
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

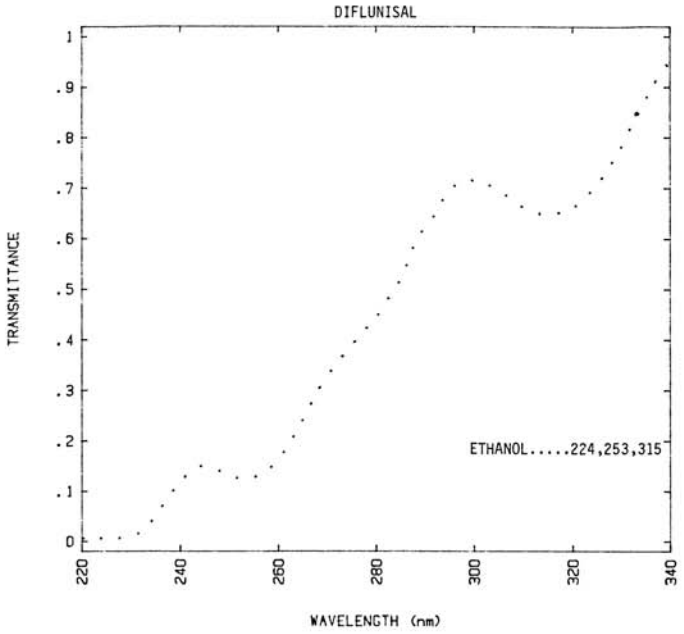
DIFLUNISAL

$C_{13}H_8F_2O_3$

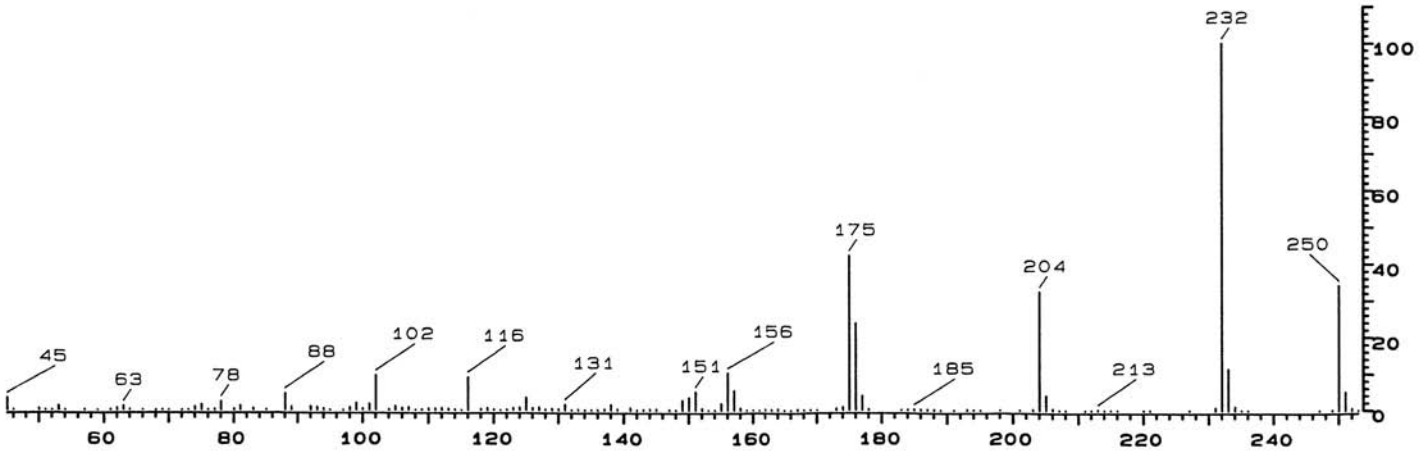
Molecular weight: 250.20 (250.04)
Synonyms: 2',4'-Difluoro-4-hydroxy-[1,1'-biphenyl]-3-carboxylic acid;
5-(2,4-difluorophenyl)salicylic acid
Trade names: Dolobid, Dolobis, Flovacil, Fluniget, Donobid

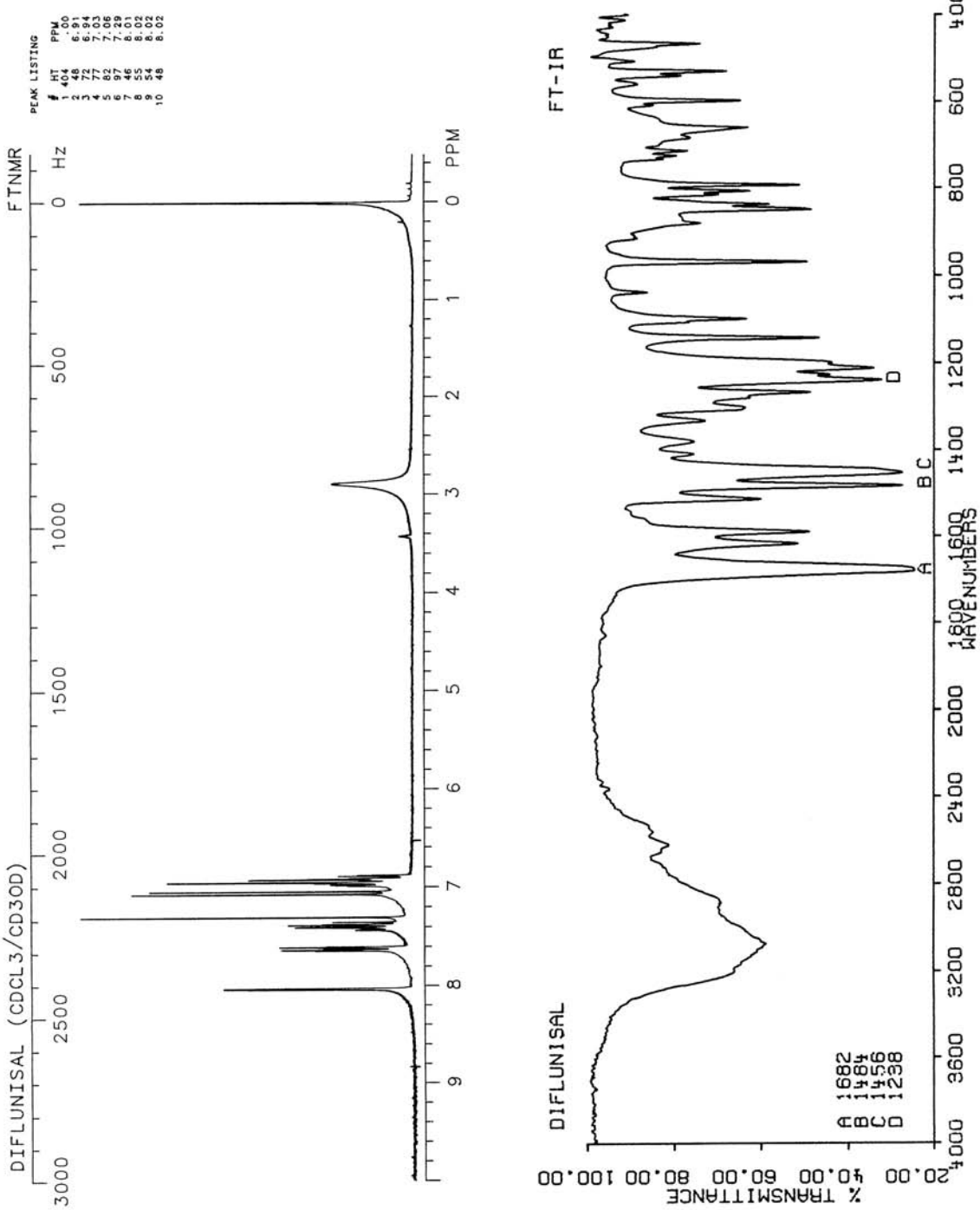
Use: Anti-inflammatory, analgesic
HPLC: Si-10; 10A:90B; 10.6
GC:





DIFLUNISAL--DIP

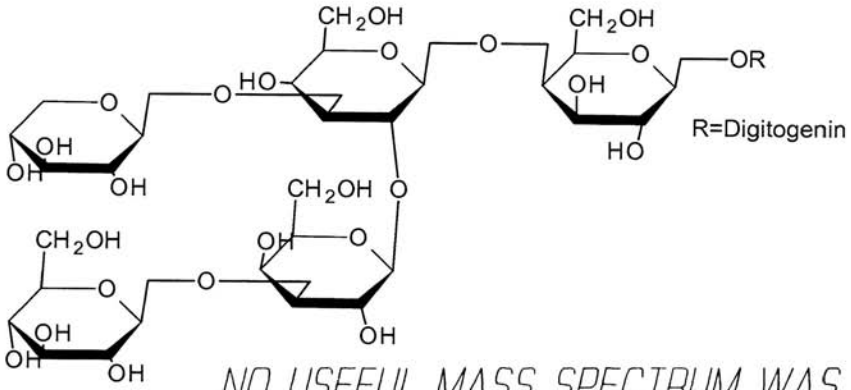


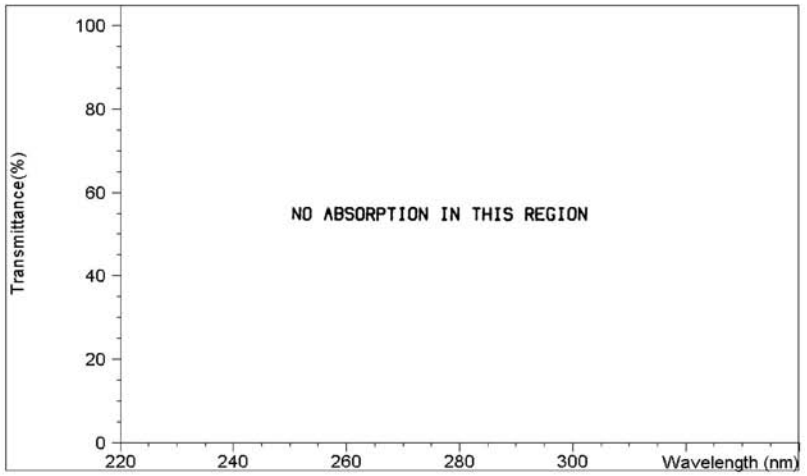

DIFLUNISAL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 404 .00
2 48 6.91
3 72 6.94
4 77 7.03
5 87 7.06
6 97 7.29
7 46 8.01
8 55 8.02
9 54 8.02
10 48 8.02
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
DIFLUNISAL
FT-IR
A 1682
B 1484
C 1456
D 1238
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
BC
D

DIGITONIN

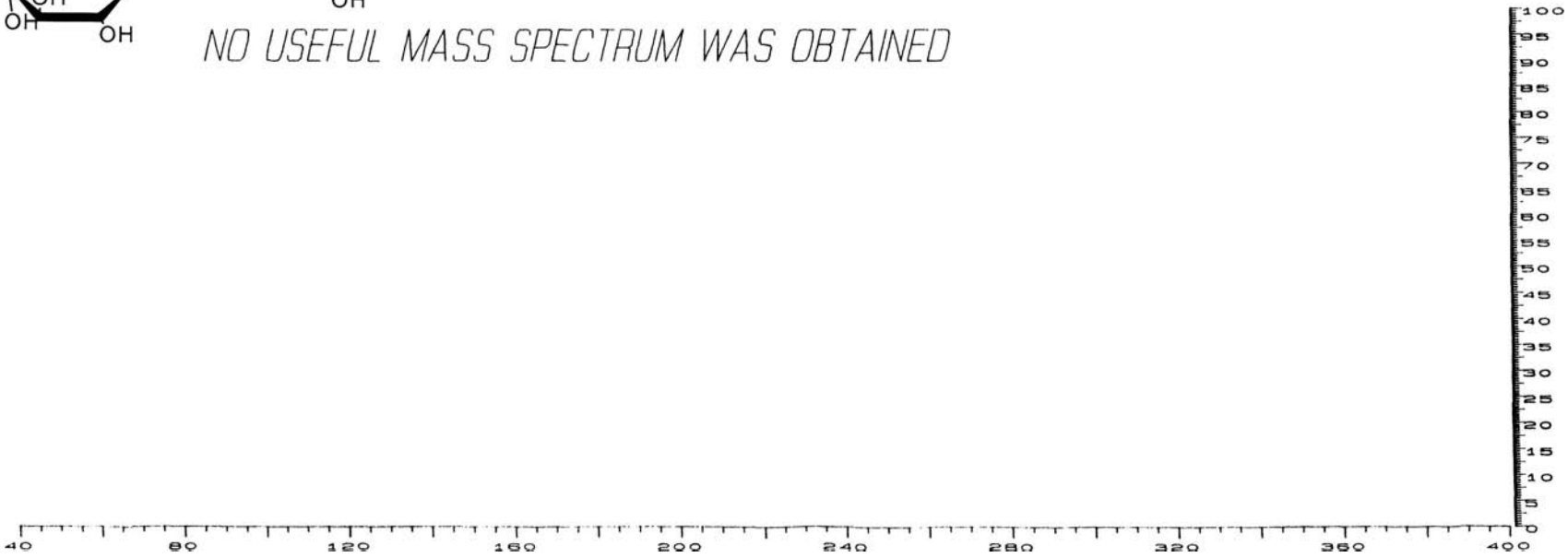
$C_{56}H_{92}O_{29}$

Molecular Weight: 1229.31 (1228.57)
Synonyms:
Trade names: Digitin
Use: Clinical reagent (cholesterol determination)



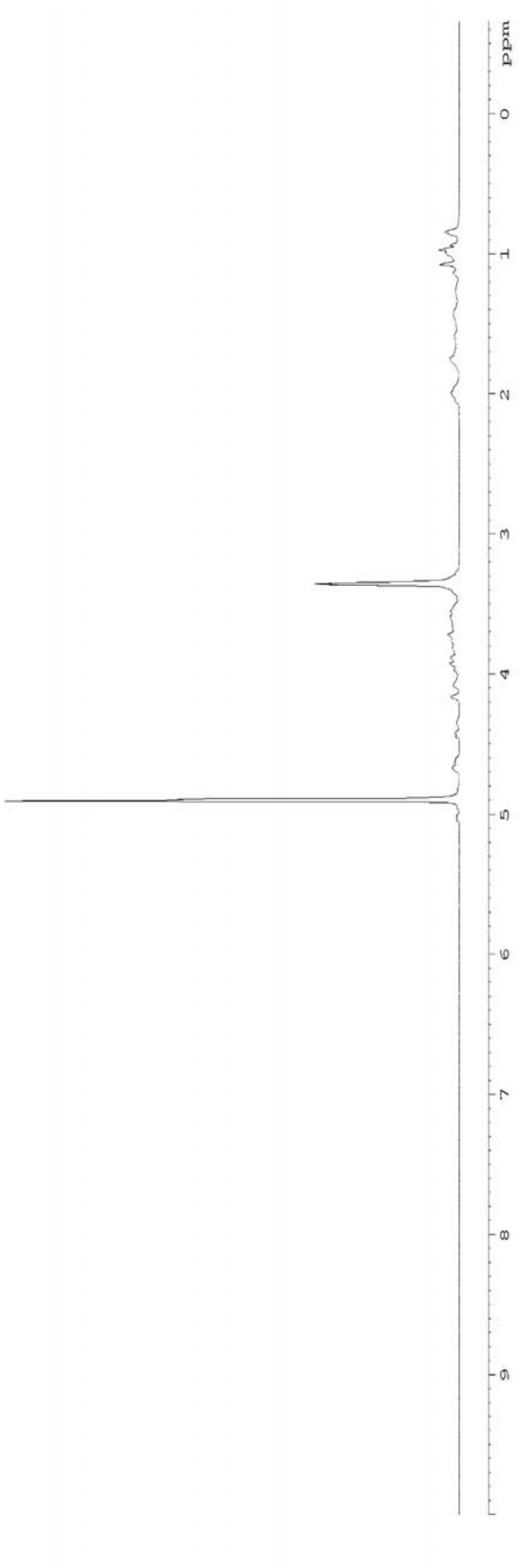


NO USEFUL MASS SPECTRUM WAS OBTAINED

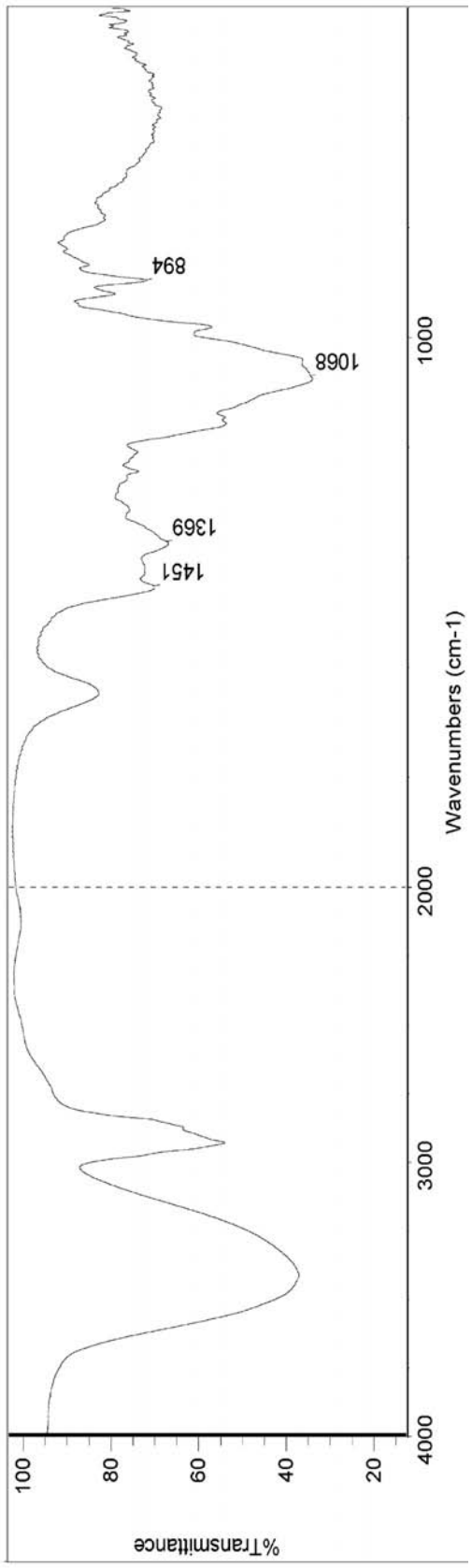


DIGITONIN

FTNMR



FT-IR

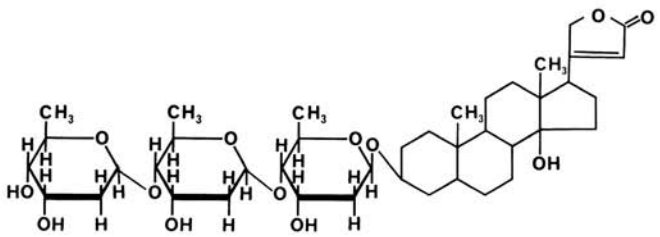


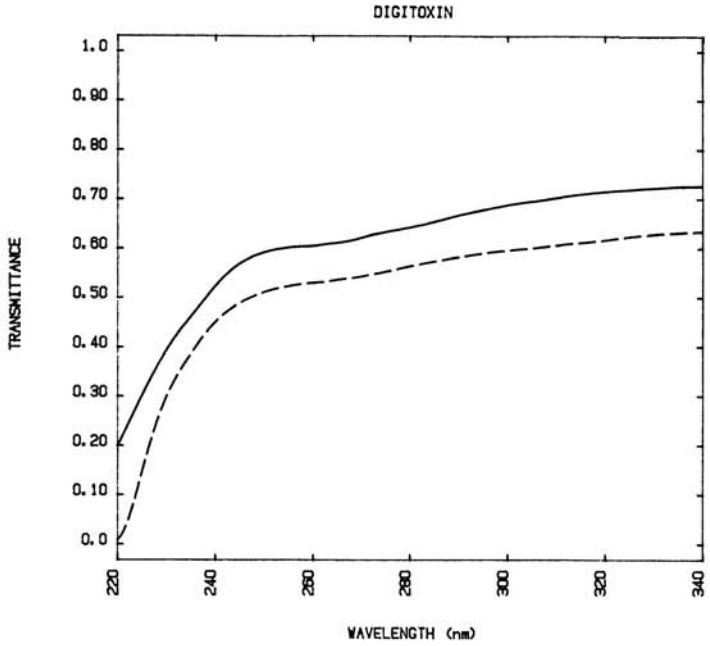
DIGITOXIN

$C_{41}H_{64}O_{13}$

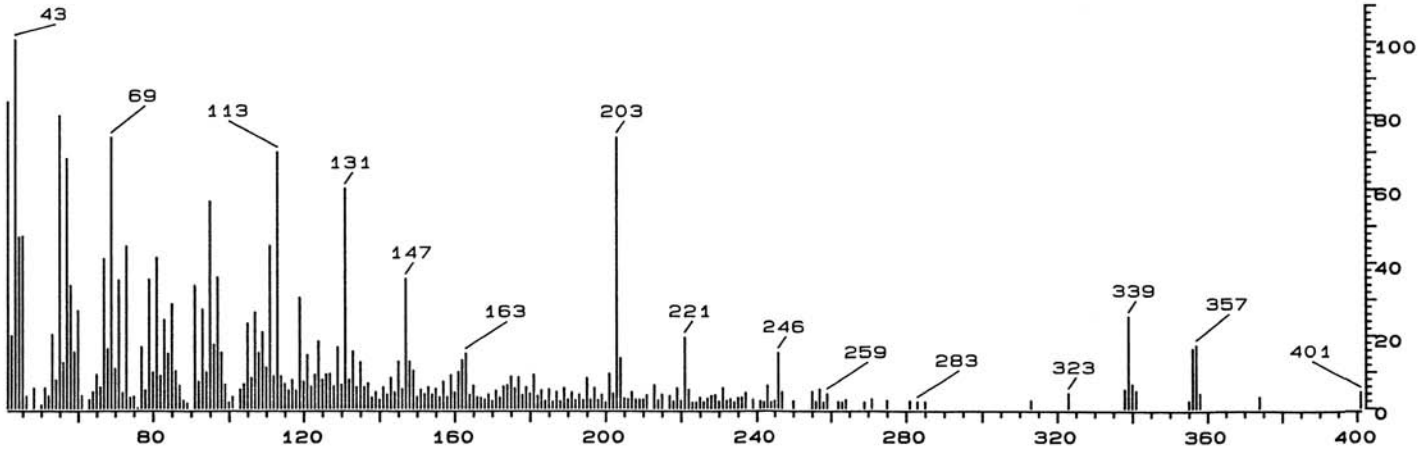
Molecular weight: 764.96 (764.43)
Synonyms: 3β-[(O-2,6-Dideoxy-β-D-ribohexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-ribohexopyranosyl-(1→4)-2,6-dideoxy-β-D-ribo-hexopyranosyl)oxy]-14-hydroxy-5β-card-20(22)enolide; digitalin
Trade names: Digitoxin

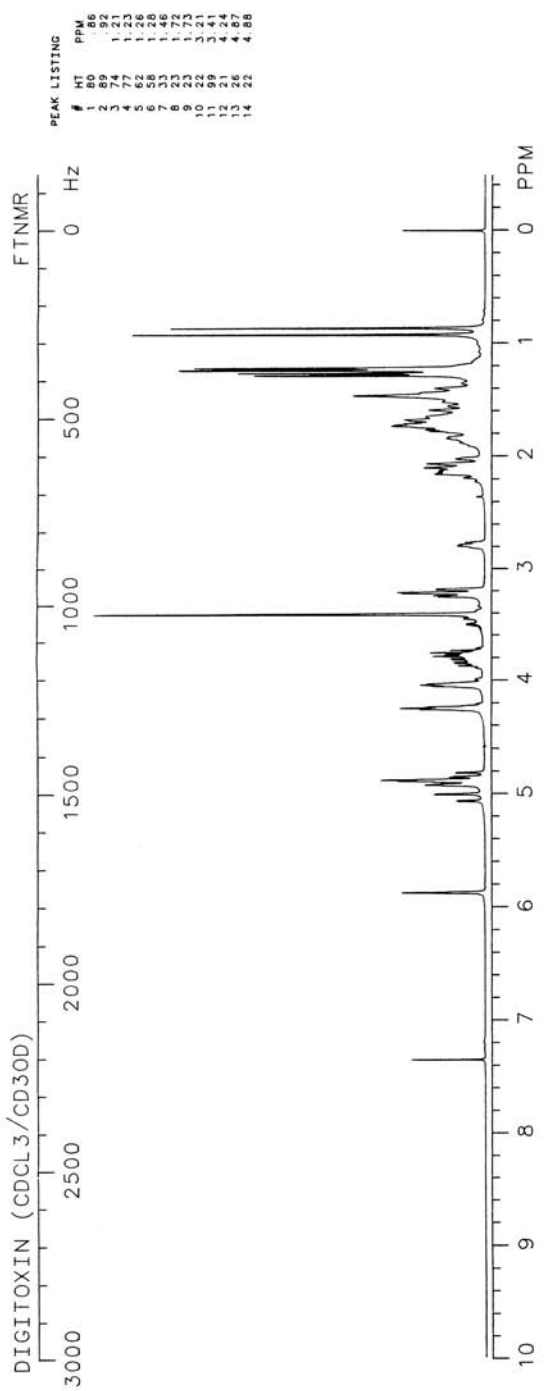
Use: Cardiac tonic
HPLC:
GC:

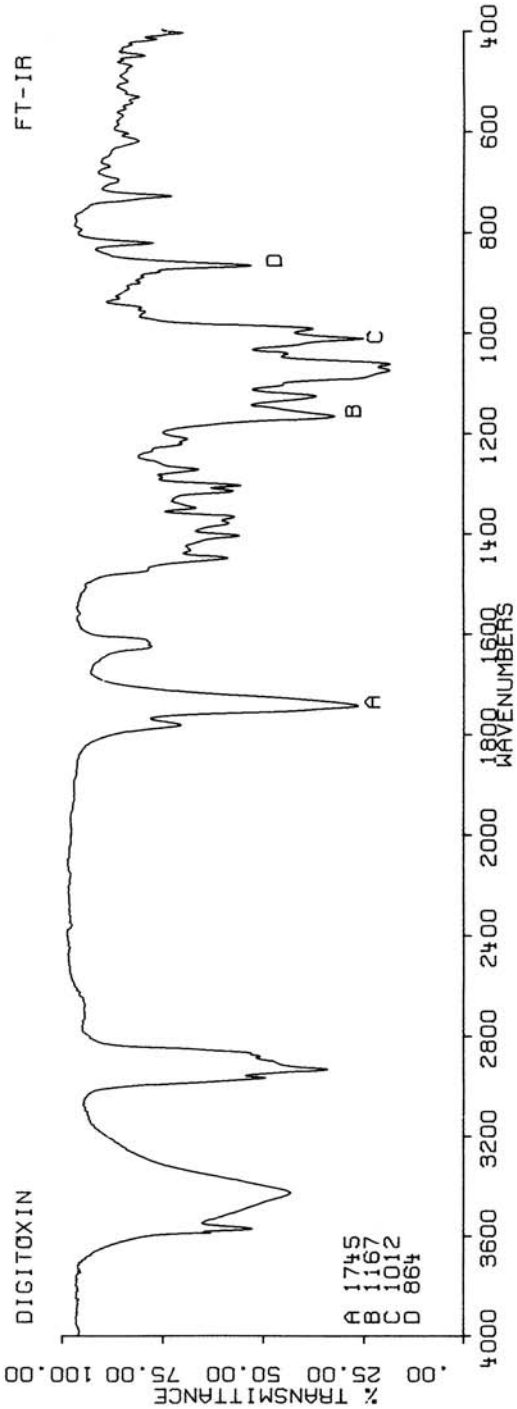




DIGITOXIN--DIP




DIGITOXIN (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 80 .86
2 89 .92
3 74 1.21
4 77 1.23
5 62 1.26
6 58 1.28
7 33 1.46
8 23 1.72
9 22 1.73
10 22 3.21
11 99 3.41
12 21 4.24
13 26 4.87
14 22 4.88


DIGITOXIN
FT-IR
A 1745
B 1167
C 1012
D 864
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

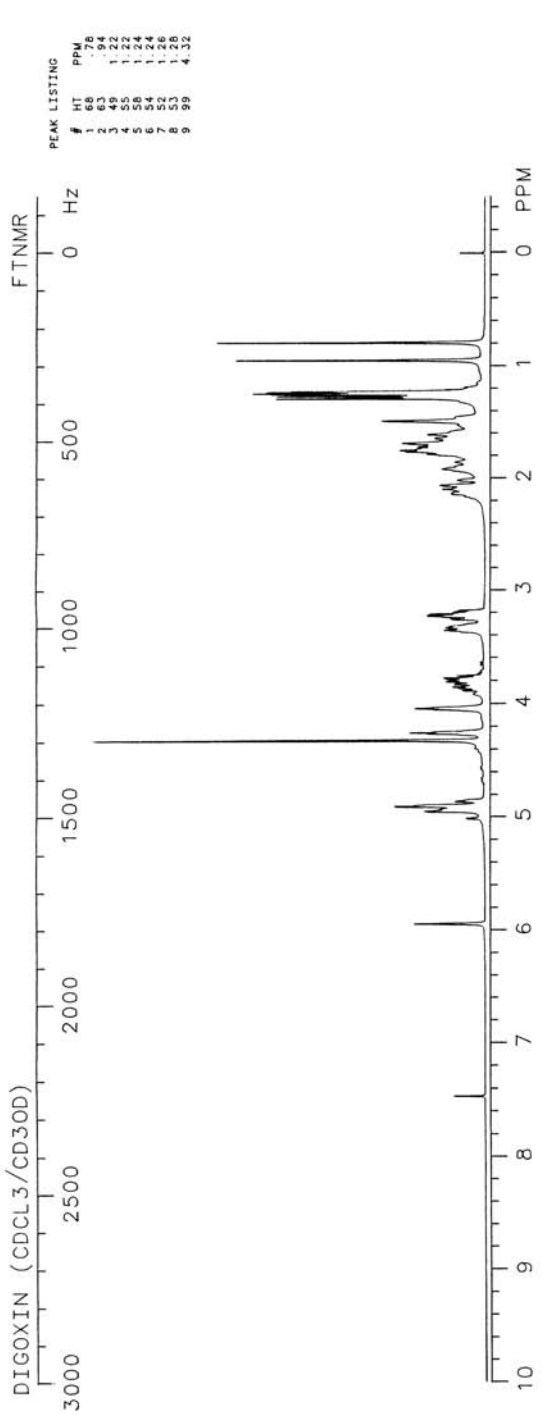
DIGOXIN

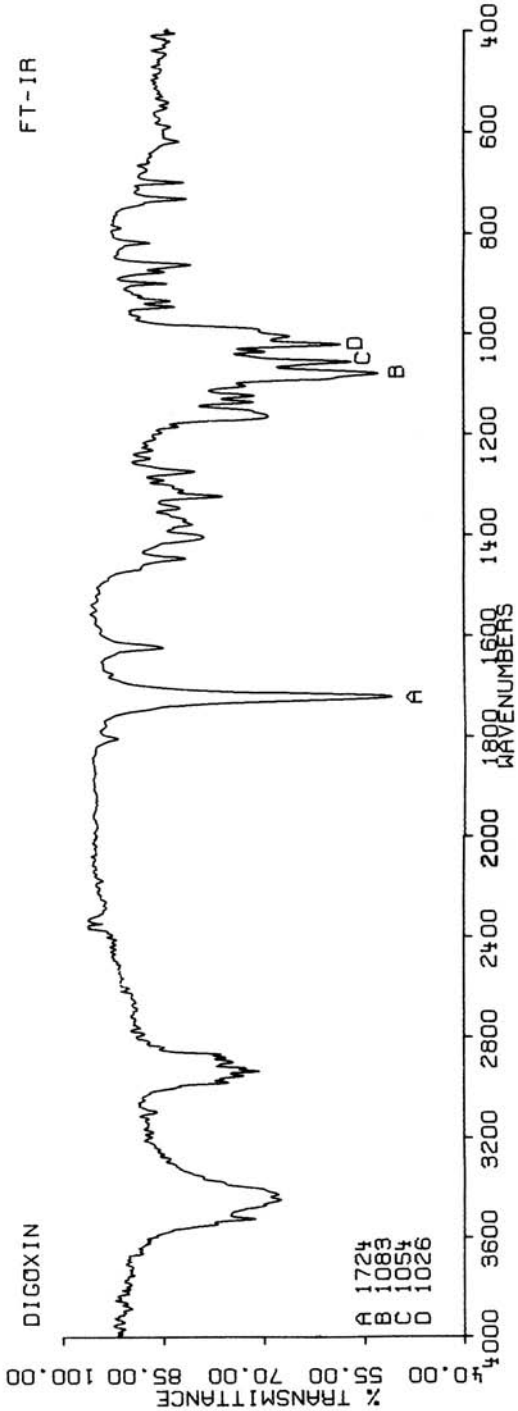
$C_{41}H_{64}O_{14}$

Molecular weight: 780.96 (780.43)
Synonyms: 3β-[(O-2,6-Dideoxy-β-D-ribohexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-ribohexopyranosyl-(1→4)-2,6-dideoxy-β-D-ribohexopyranosyl)oxy]-12β,14-dihydroxy-5β-card-20(22)-enolide
Trade names: Digoxin, Lanoxin

Use: Cardiac tonic
HPLC:
GC:

DIGOXIN--DIP


DIGOXIN (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 68 .78
2 63 .94
3 49 1.22
4 55 1.22
5 58 1.24
6 54 1.24
7 52 1.26
8 53 1.28
9 99 4.32


FT-IR
DIGOXIN
A 1724
B 1083
C 1054
D 1026
% 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
A
B
C
D

DIHYDROANDROSTERONE

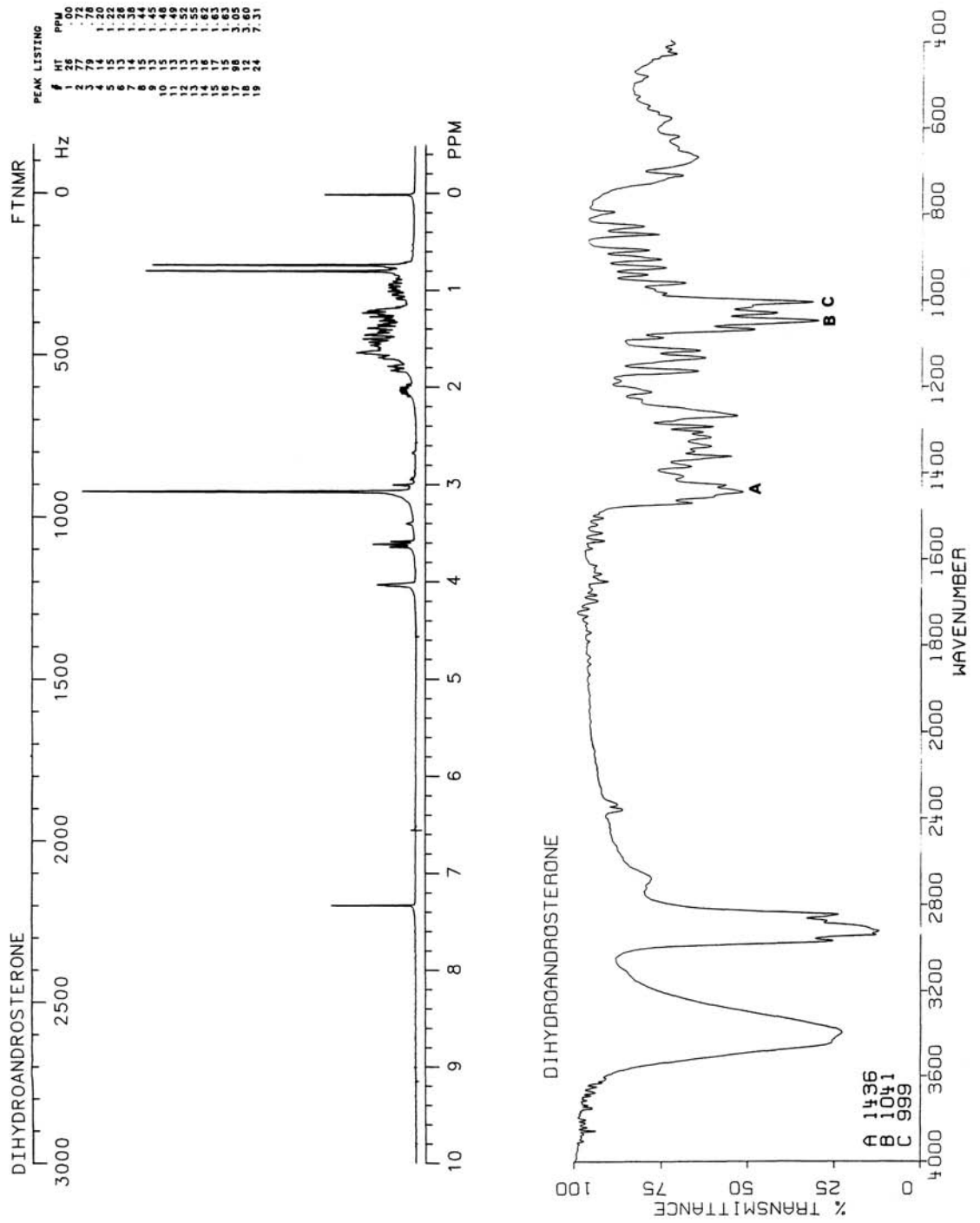
$C_{19}H_{32}O_2$

Molecular weight: 292.43 (292.24)

Synonyms: 3α,17β-Dihdyroxy-5α-androstane; 5α-androstane-3α-17β-diol

Trade names:

Use: Androgen
HPLC:
GC: 2613; 280°


DIHYDROANDROSTERONE
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 26 .00
2 77 .72
3 79 .78
4 14 1.20
5 15 1.22
6 13 1.26
7 14 1.36
8 13 1.44
9 13 1.45
10 15 1.48
11 13 1.49
12 13 1.52
13 16 1.55
14 15 1.62
15 17 1.63
16 15 1.63
17 98 3.05
18 12 3.60
19 24 7.31
DIHYDROANDROSTERONE
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1436
B 1041
C 999
A
B C

DIHYDROANDROSTERONE ACETATE

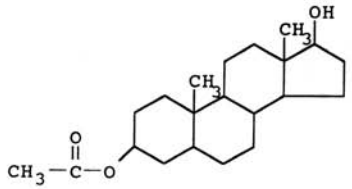
$C_{21}H_{34}O_3$

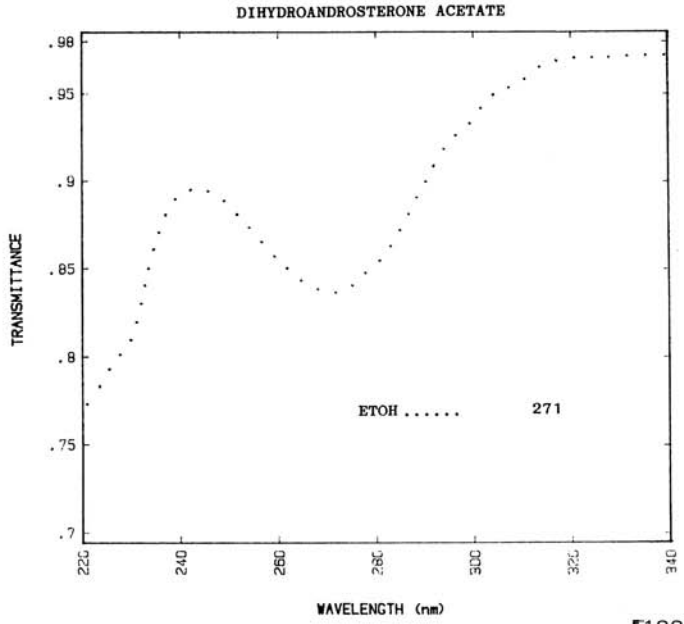
Molecular weight: 334.43 (334.25)

Synonyms: 3α-Acetoxy-5α-androstan-17β-ol-3-acetate; 5α-androstane-3α-17β-diol-3-acetate

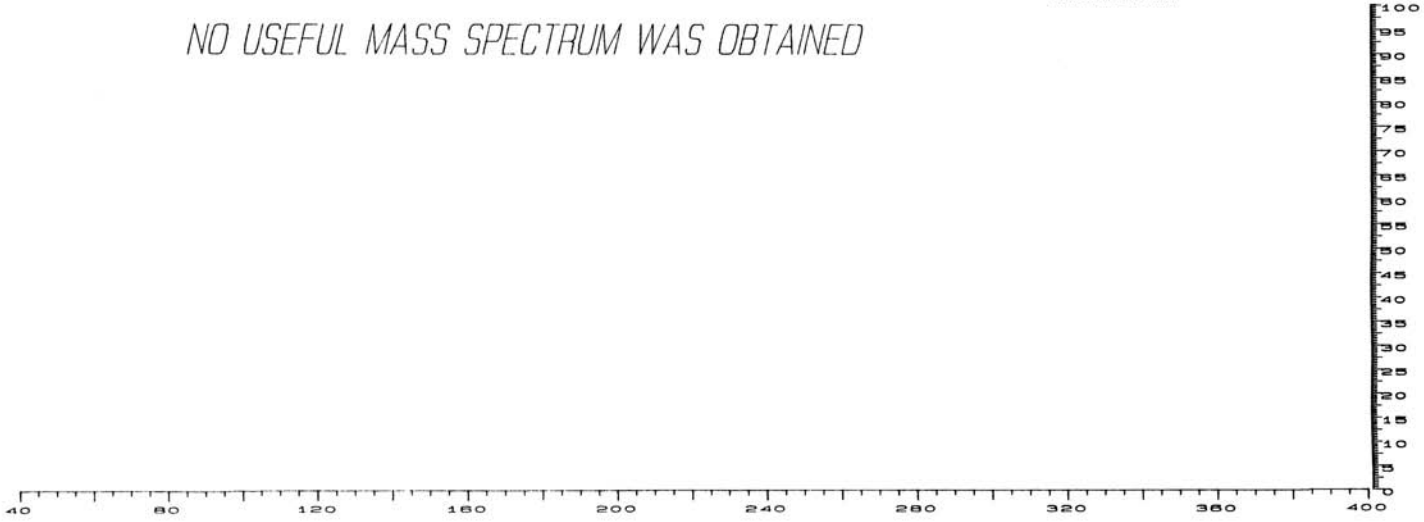
Trade names:

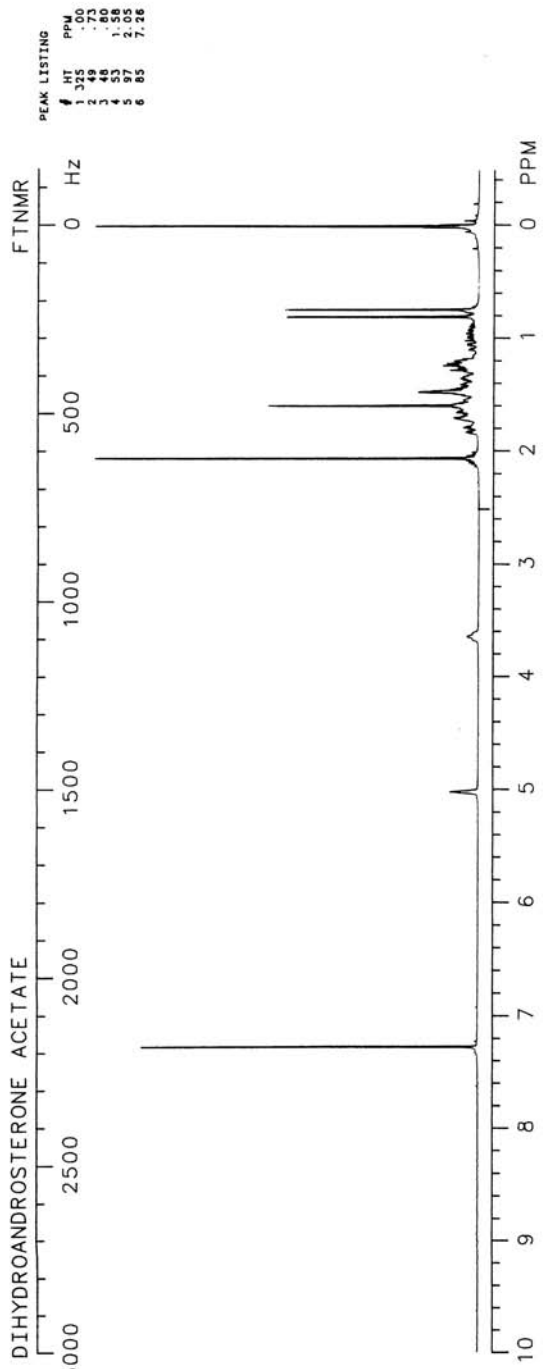
Use: Androgen
HPLC:
GC:

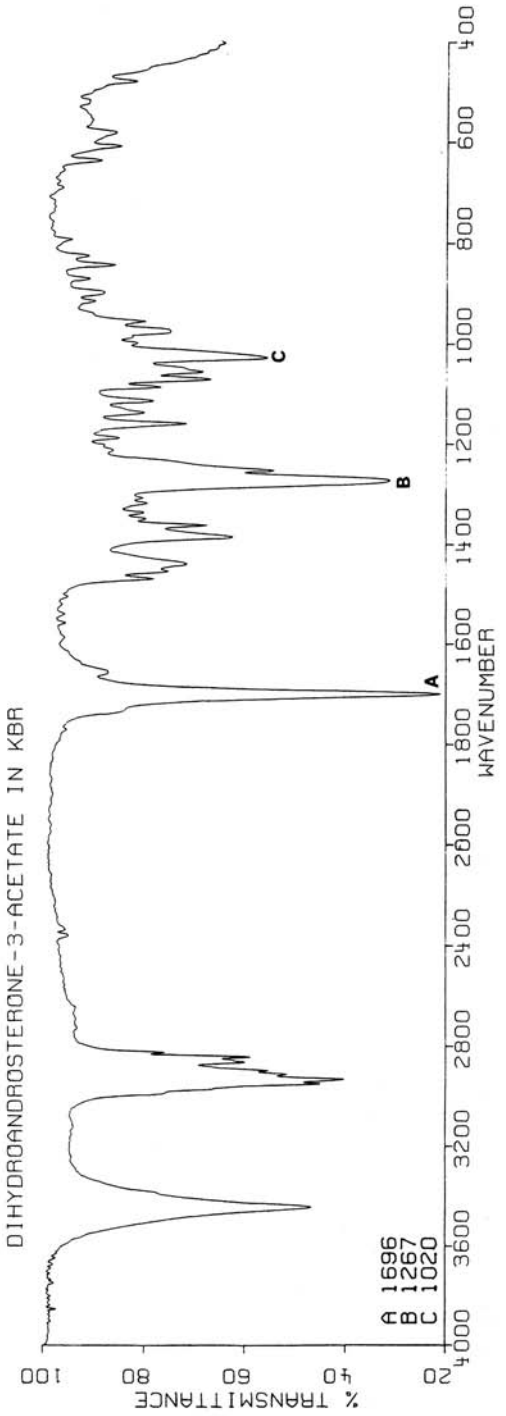




NO USEFUL MASS SPECTRUM WAS OBTAINED




DIHYDROANDROSTERONE ACETATE
FTNMR
PEAK LISTING
HT PPM
1 325 .00
2 49 .73
3 49 1.60
4 53 1.58
5 97 2.05
6 85 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


DIHYDROANDROSTERONE-3-ACETATE IN KBR
A 1696
B 1267
C 1020
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

DIHYDROCARBAMAZEPINE

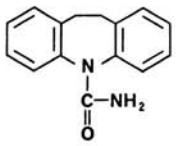
$C_{15}H_{14}N_2O$

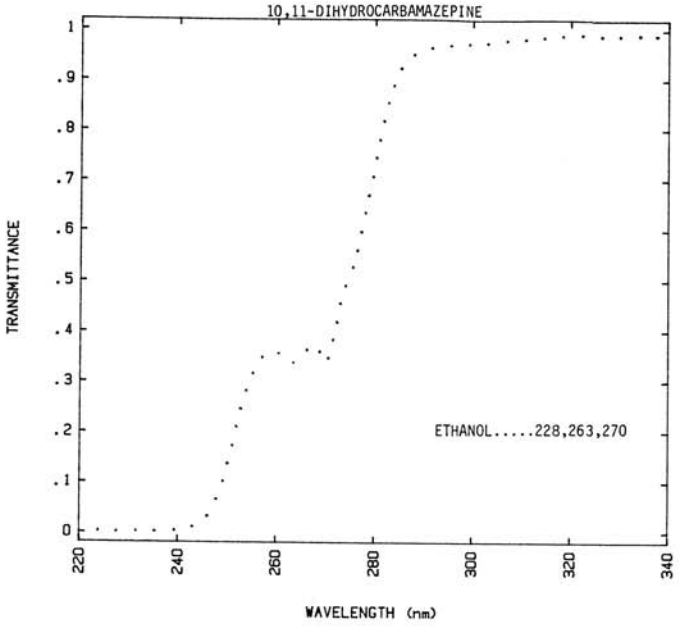
Molecular weight: 238.26 (238.09)

Synonyms: 10,11-Dihydro-5H-dibenz[b,f]azepine-5-carboxamide

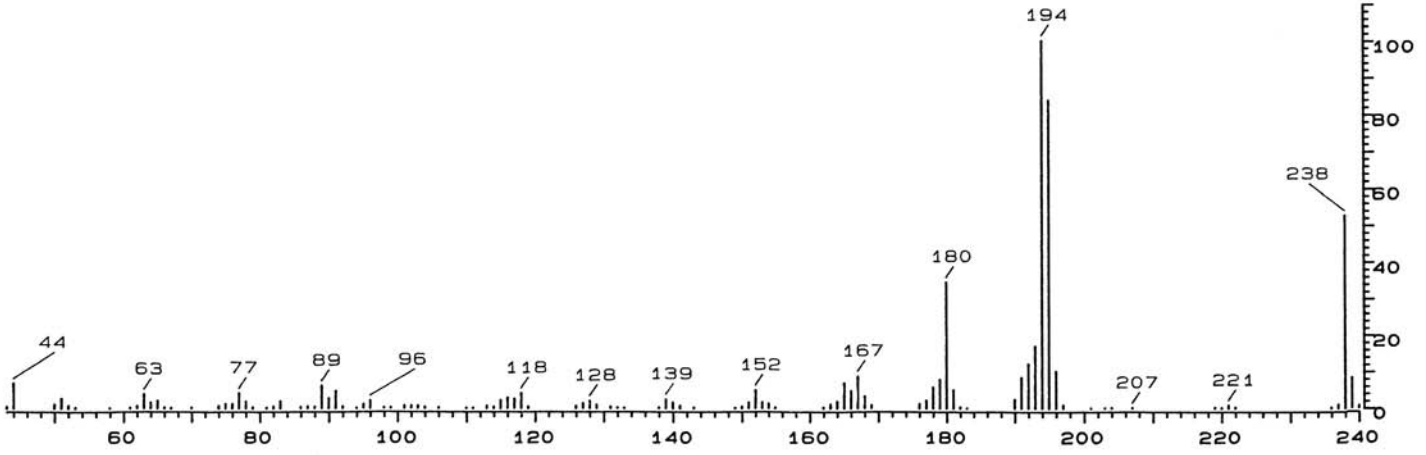
Trade names:

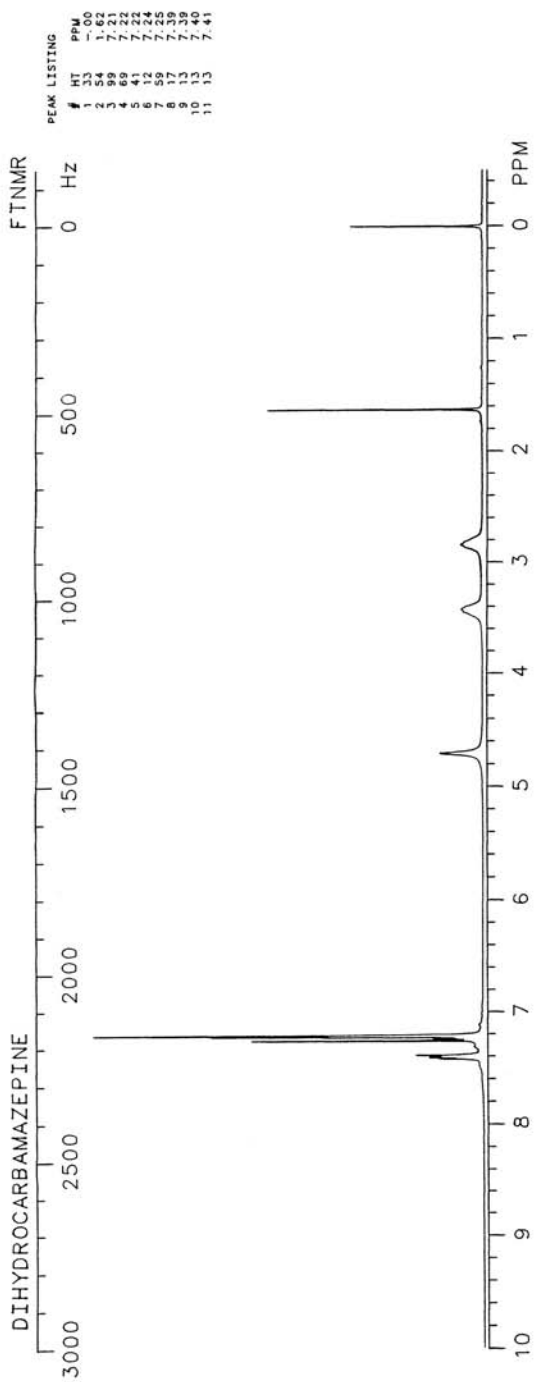
Use: Metabolite
HPLC: Si-10; 1A:99B; 3.6
GC: 2342; 250°C

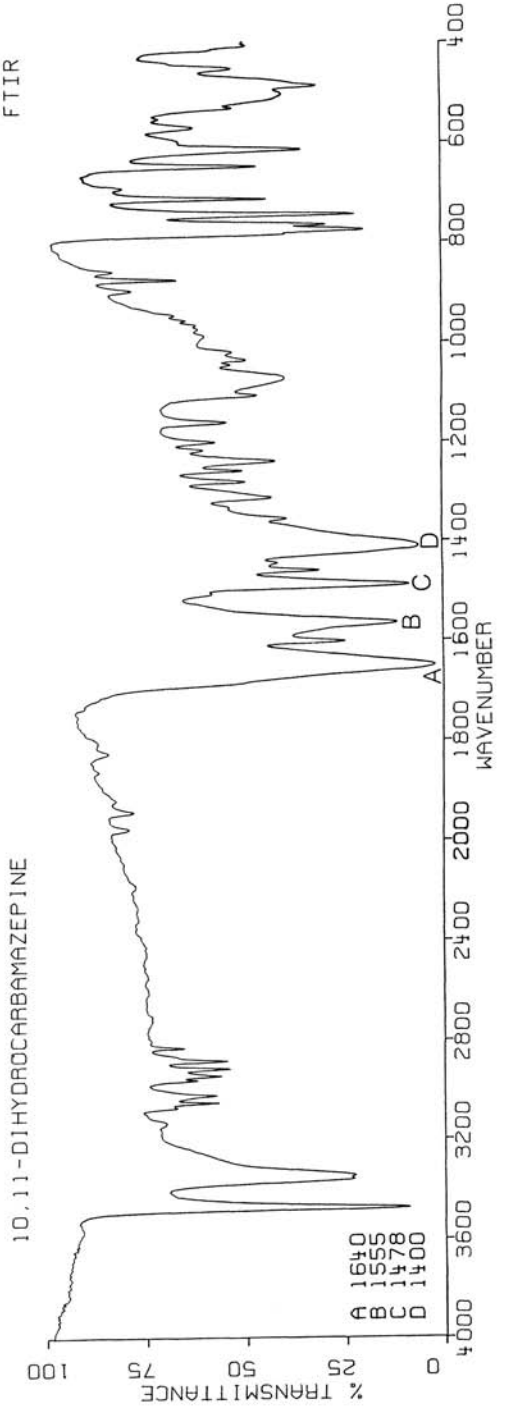




10,11-DIHYDROCARBAMAZEPINE



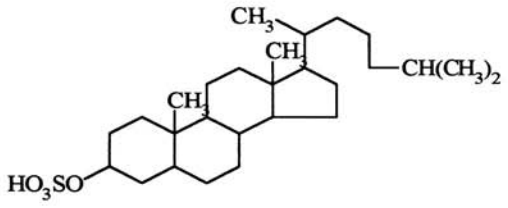

DIHYDROCARBAMAZEPINE
FTNMR
PEAK LISTING
HT PPM
1 33 7.00
2 54 1.62
3 89 7.21
4 89 7.22
5 41 7.24
6 12 7.25
7 59 7.39
8 17 7.39
9 13 7.40
10 13 7.40
11 13 7.41
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

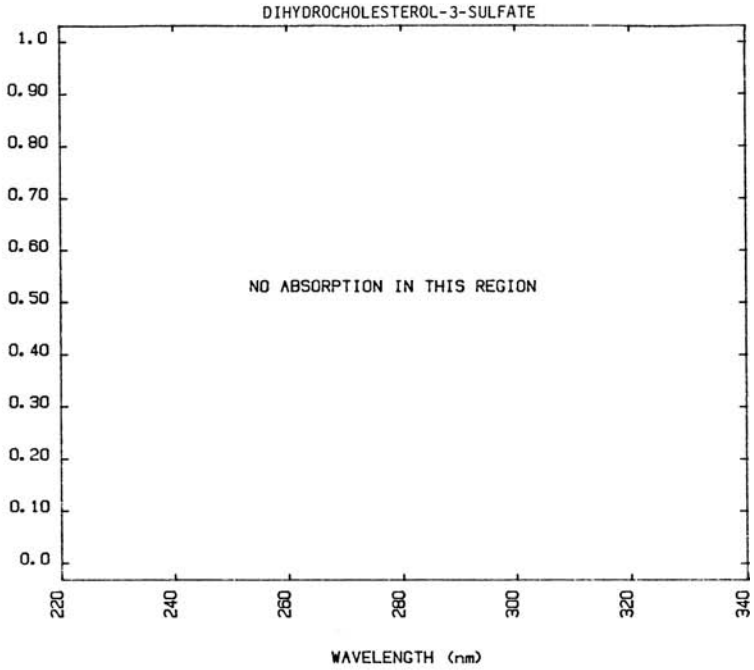

10,11-DIHYDROCARBAMAZEPINE
FTIR
A 1640
B 1555
C 1478
D 1400
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

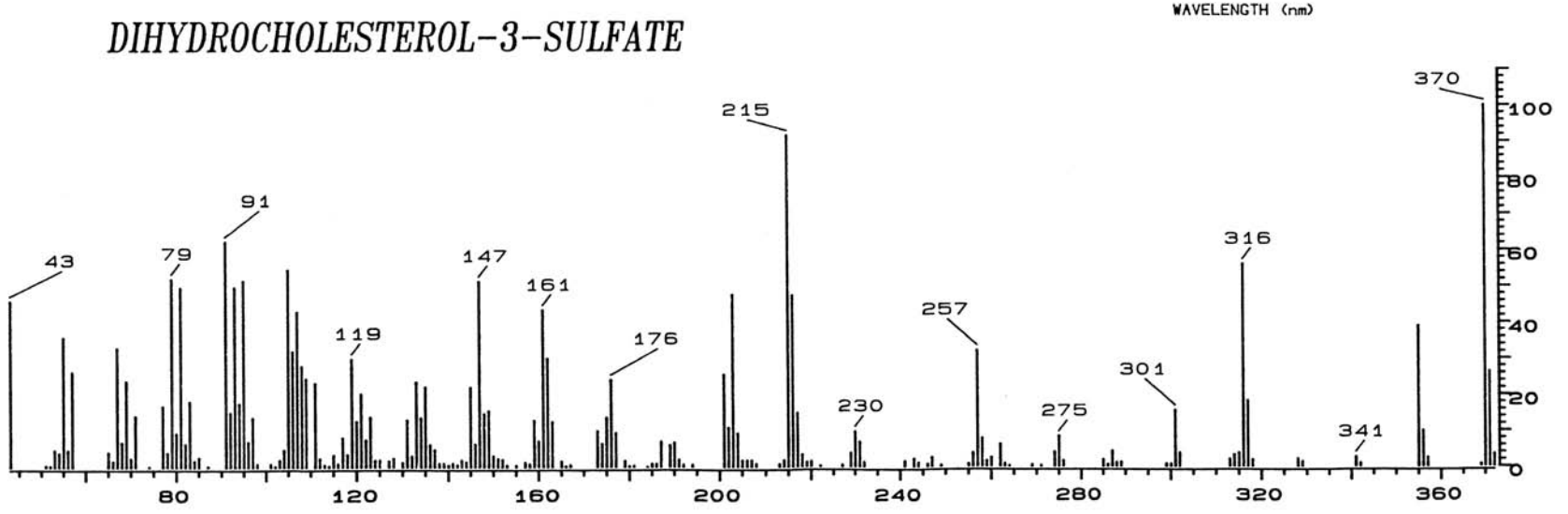
DIHYDROCHOLESTEROL-3-SULFATE

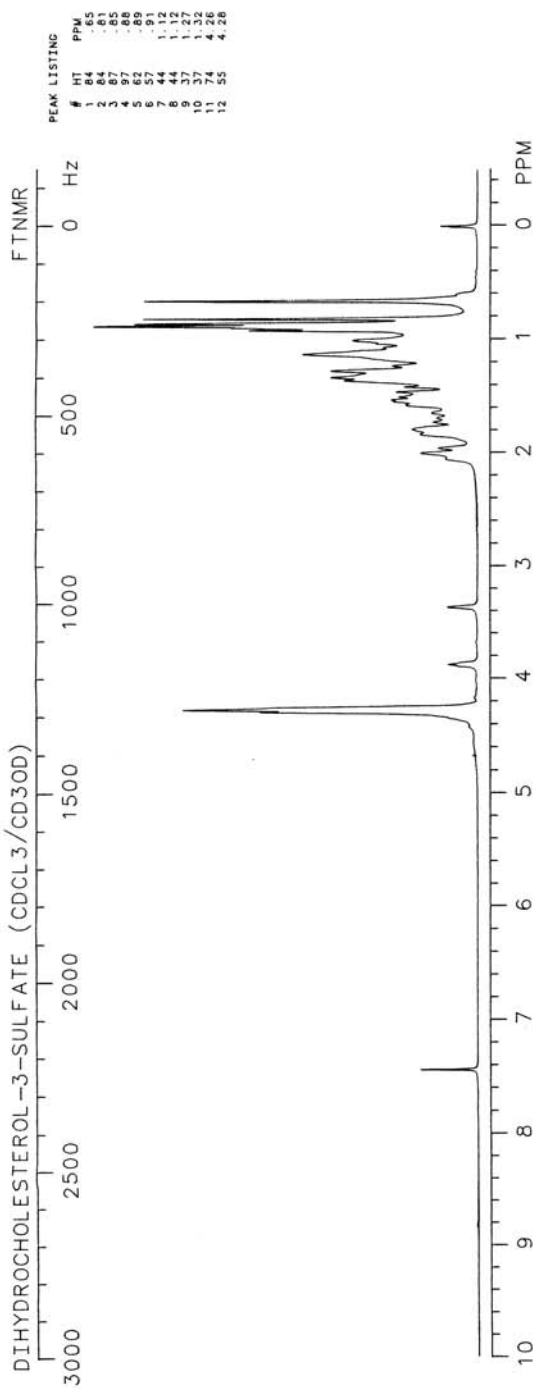
$C_{27}H_{48}O_4S$

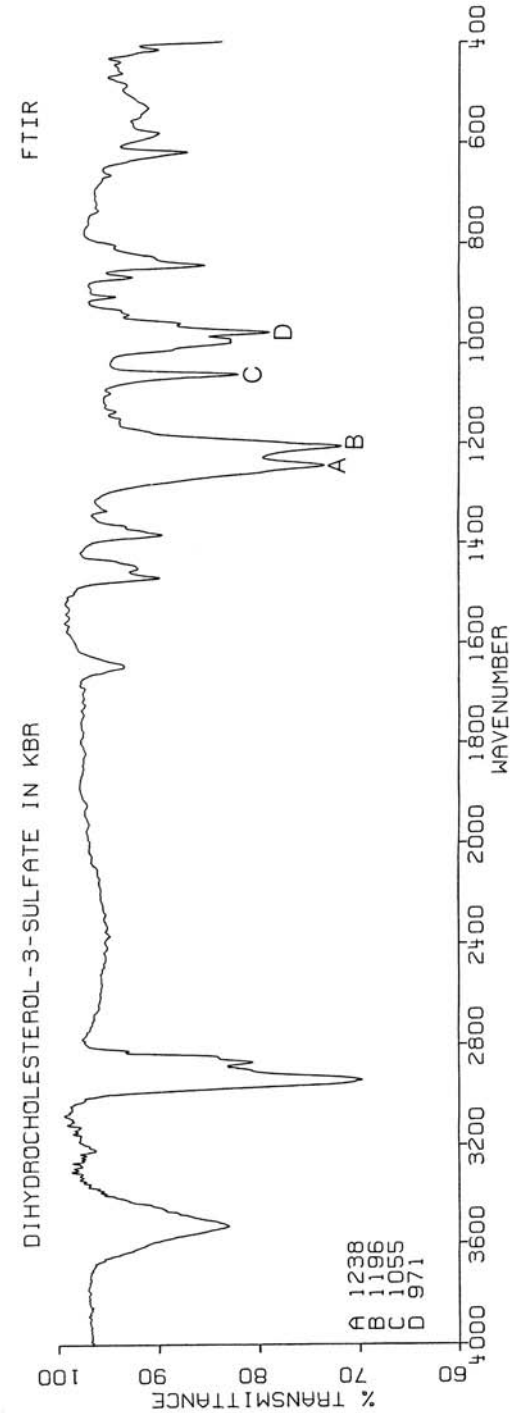
Molecular weight: 468.74 (468.33)
Synonyms: 3-Beta-Hydroxycholestane-sulfate; Beta-cholestanol-3-sulfate; cholestanol-3-sulfate
Trade names:
Use:
HPLC: Si-10; 10A:90B; 5.4
GC:








DIHYDROCHOLESTEROL-3-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 84 .65
2 84 .81
3 87 .85
4 97 .88
5 62 .89
6 57 .91
7 44 1.12
8 37 1.27
9 37 1.32
10 37 4.26
11 74 4.28
12 55 4.28

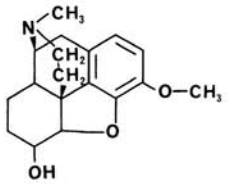

DIHYDROCHOLESTEROL-3-SULFATE IN KBR
FTIR
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1238
B 1196
C 1055
D 971

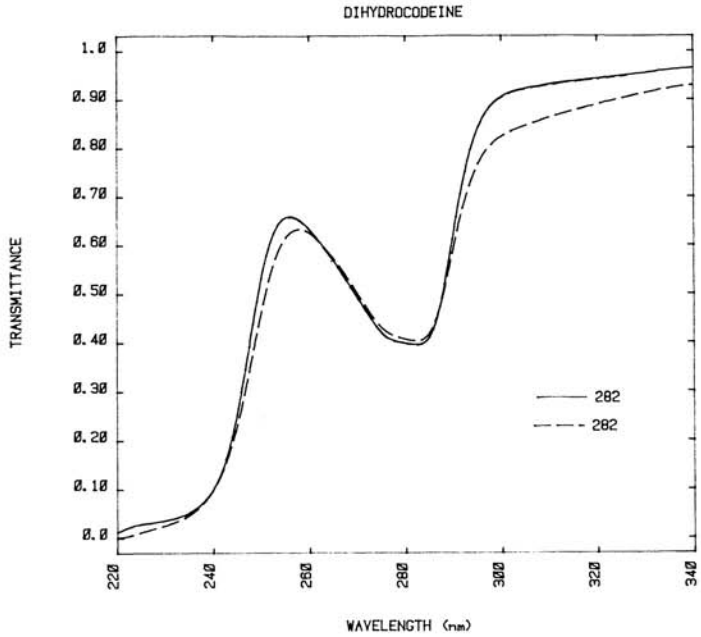
DIHYDROCODEINE

$C_{18}H_{23}NO_3$

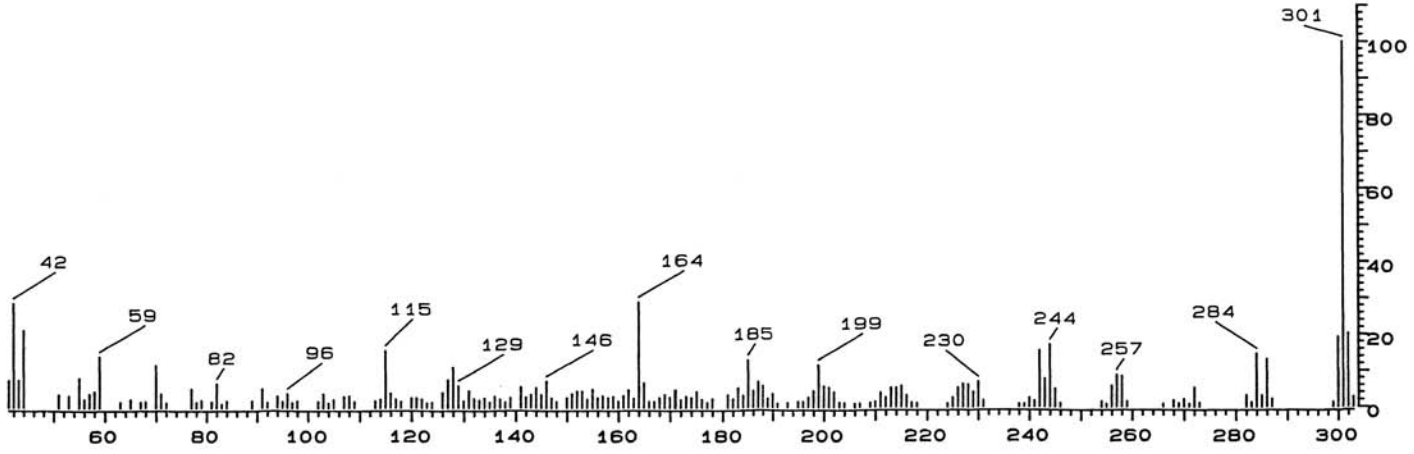
Molecular weight: 301.39 (301.17)
Synonyms: 4,5α-Epoxy-3-methoxy-17-methylmorphinan-6α-ol;
6-hydroxy-3-methoxy-N-methyl-4,5-epoxymorphinan
Trade names: Didrate, Synalgos-DC

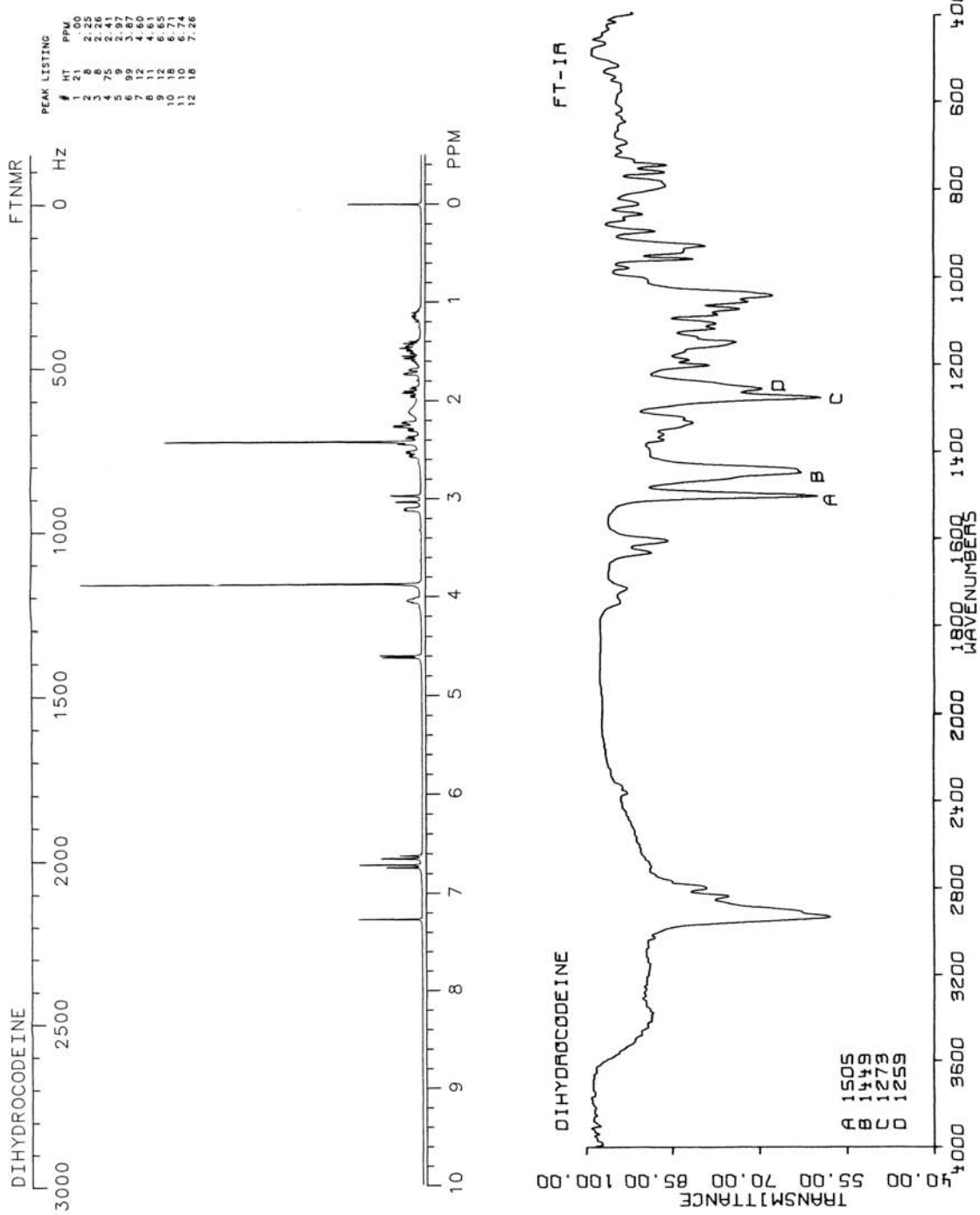
Use: Narcotic analgesic
HPLC: Si-10; 20A;80B; 4.5
GC: 2452; 250°C





DIHYDROCODEINE



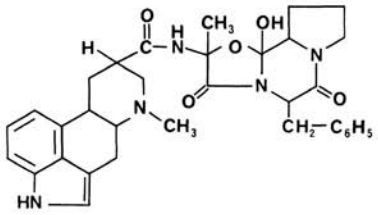

DIHYDROCODEINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 21 .00
2 8 2.25
3 8 2.26
4 75 2.41
5 9 2.87
6 99 3.67
7 12 4.60
8 11 4.61
9 12 6.65
10 18 6.71
11 10 6.74
12 18 7.26
DIHYDROCODEINE
FT-IR
A 1505
B 1449
C 1273
D 1259
TRANSMITTANCE
50.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

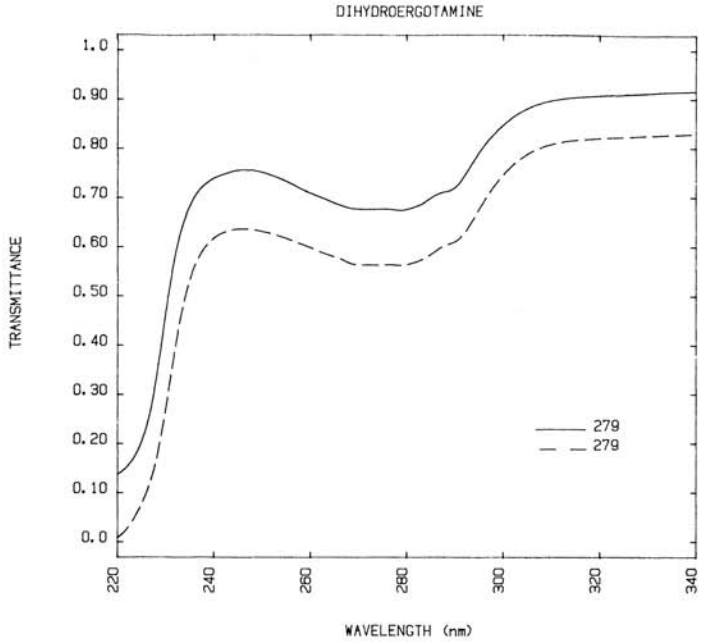
DIHYDROERGOTAMINE

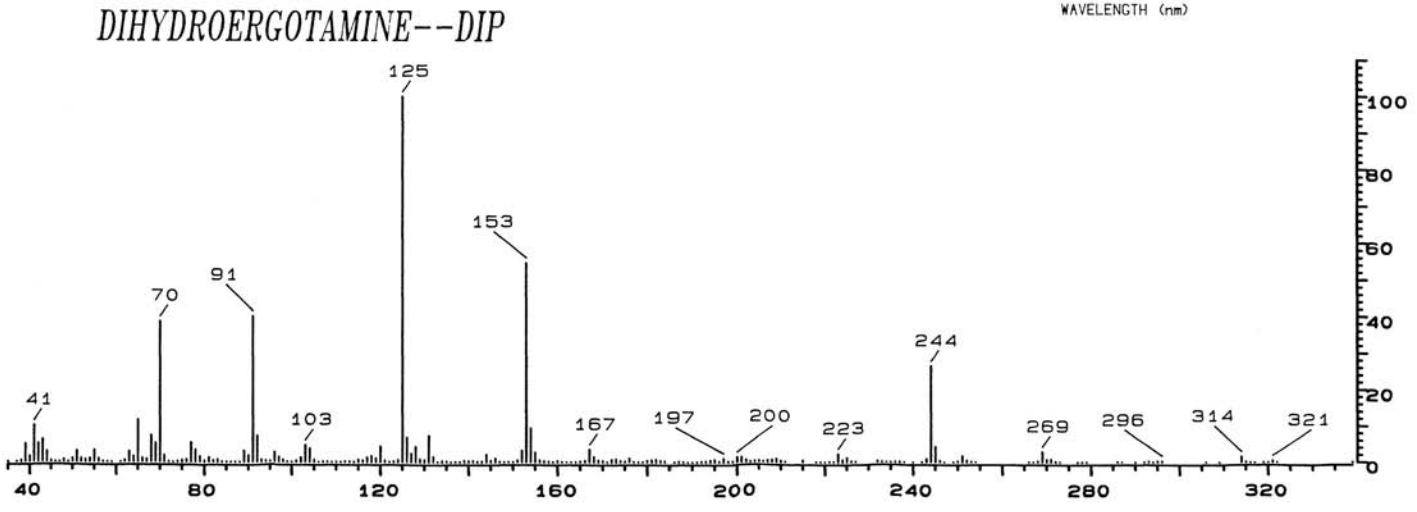
$C_{33}H_{37}N_5O_5$

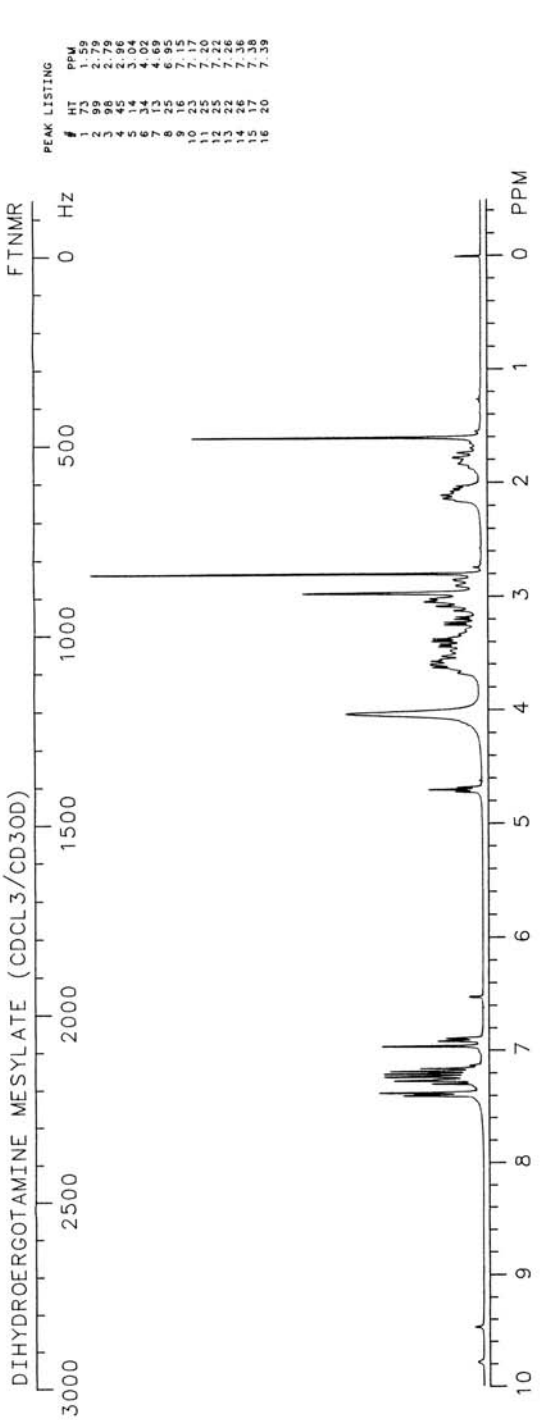
Molecular weight: 583.69 (583.28)
Synonyms: 9,10-Dihydro-12'-hydroxy-2'-methyl-5'α-(phenylmethyl)-ergotaman-3',6',18-trione
Trade names: D.H.E. 45, Plexonal

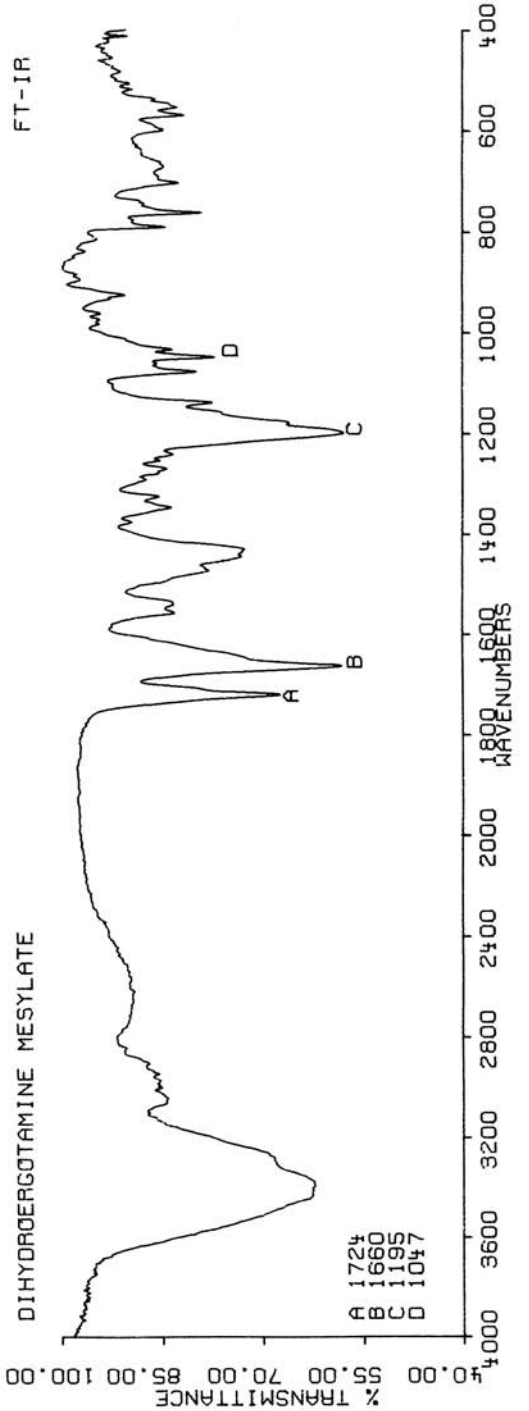
Use: Vasoconstrictor
HPLC: Si-10; 4A:96B; 5.0
GC:








DIHYDROERGOTAMINE 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 75 1.59
2 99 2.79
3 98 2.79
4 45 2.96
5 14 3.04
6 34 4.02
7 15 4.69
8 25 6.95
9 16 7.15
10 23 7.17
11 25 7.20
12 25 7.22
13 22 7.26
14 26 7.36
15 17 7.38
16 20 7.39


DIHYDROERGOTAMINE MESYLATE
FT-IR
% 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
A 1724
B 1660
C 1195
D 1047
A
B
C
D

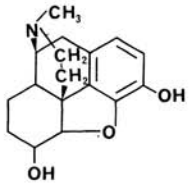
DIHYDROMORPHINE

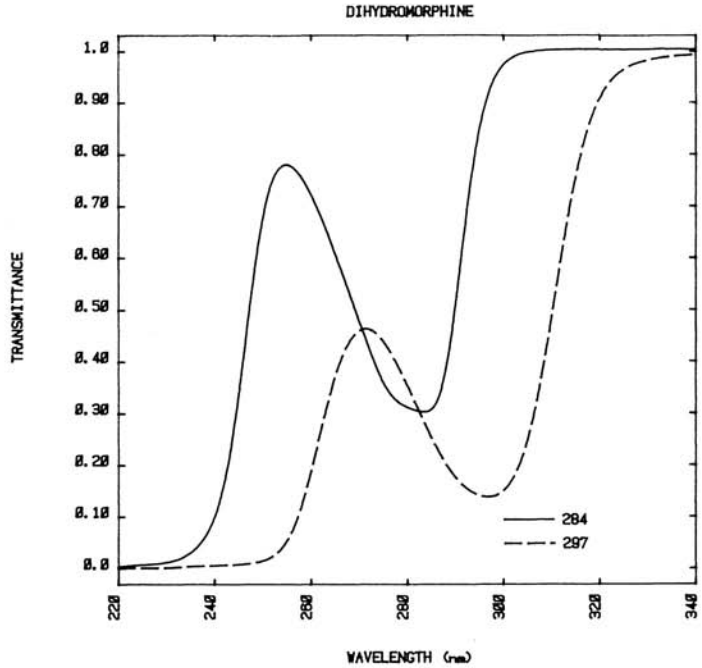
$C_{17}H_{21}NO_3$

Molecular weight: 287.36 (287.15)
Synonyms: 4,5α-Epoxy-17-methylmorphinan-3,6α-diol; paramorphan

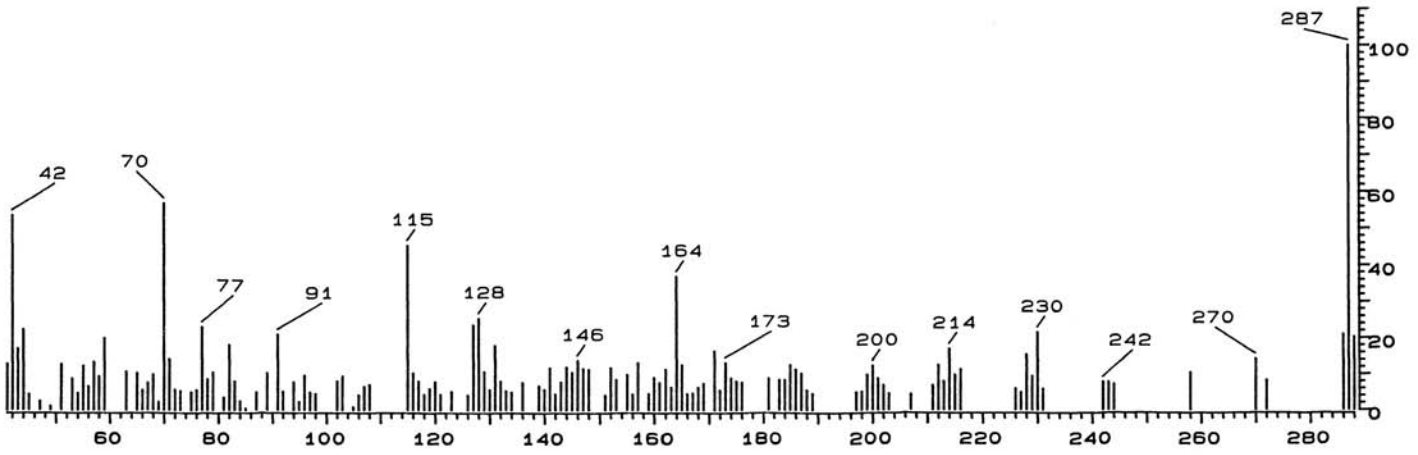
Trade names:

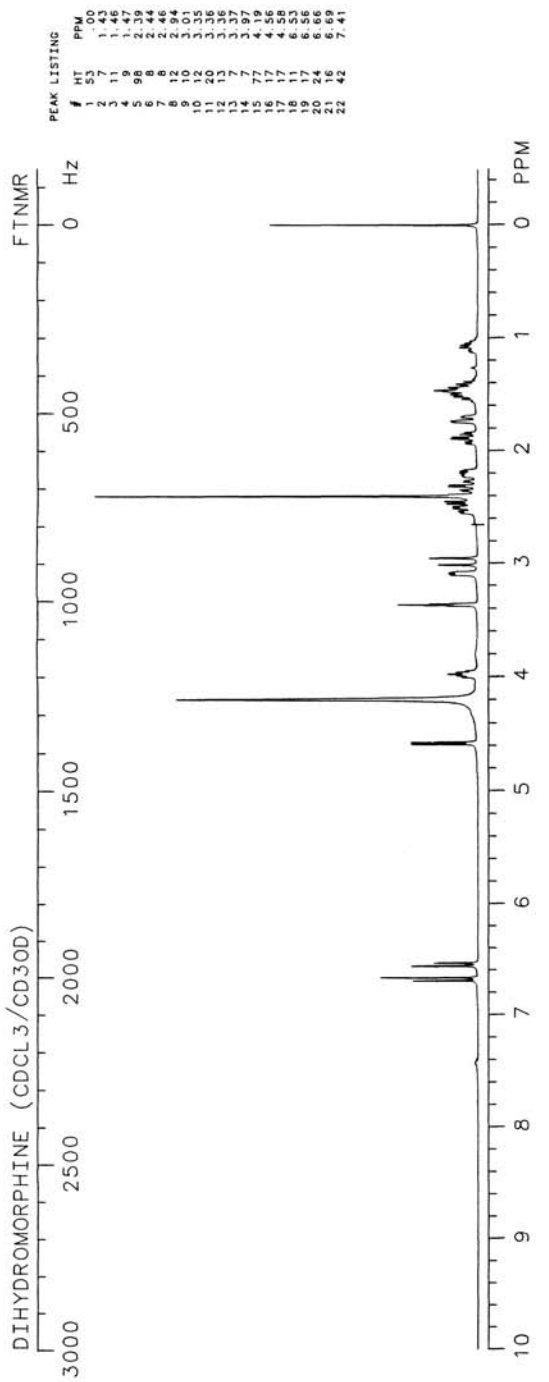
Use: Narcotic analgesic
HPLC: Si-10; 20A:80B; 5.5
GC: 2529; 250°C

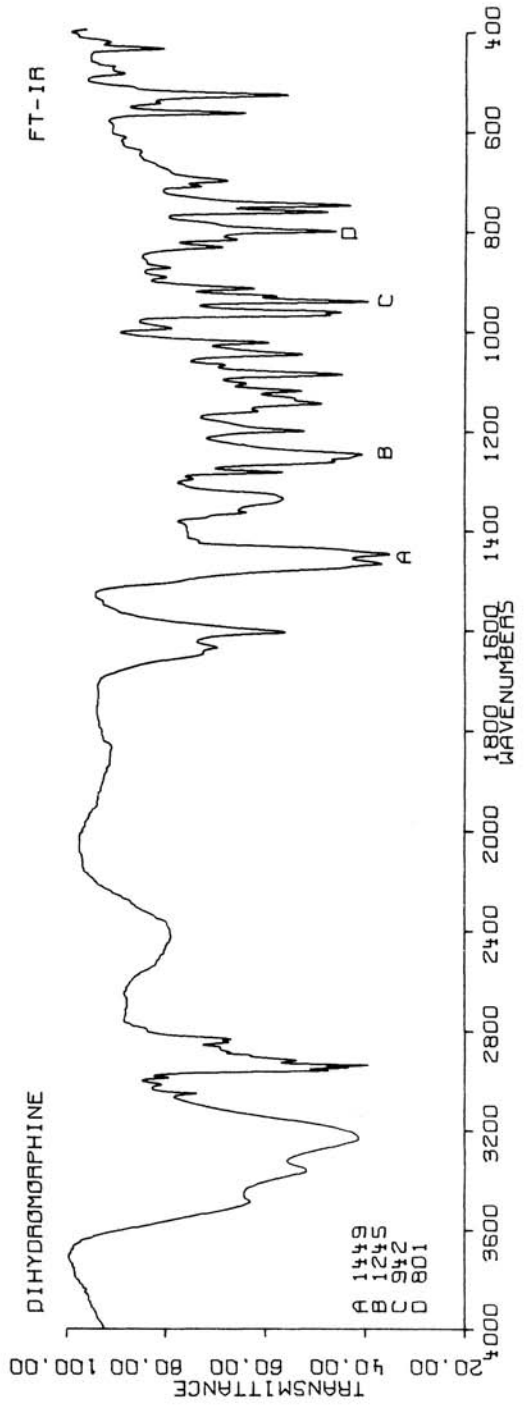




DIHYDROMORPHINE



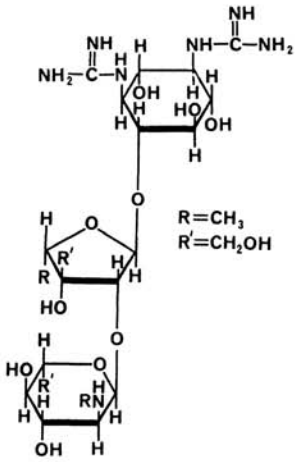

DIHYDROMORPHINE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 53 .00
2 7 1.43
3 11 1.46
4 9 1.47
5 98 2.39
6 8 2.44
7 8 2.46
8 12 2.94
9 10 3.01
10 12 3.35
11 20 3.36
12 13 3.56
13 17 3.97
14 7 3.97
15 77 4.19
16 17 4.56
17 17 4.58
18 11 6.53
19 17 6.56
20 24 6.66
21 16 6.69
22 42 7.41

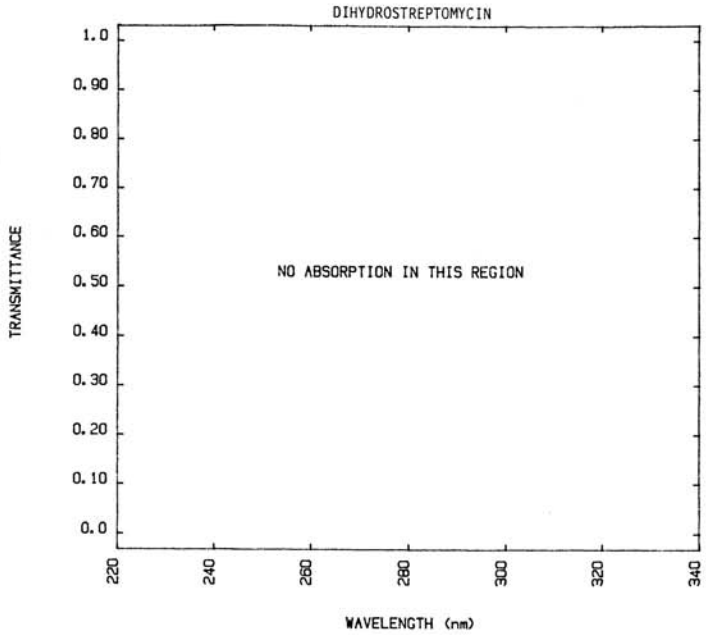

FT-IR
DIHYDROMORPHINE
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1449
B 1245
C 942
D 801
A
B
C
D

DIHYDROSTREPTOMYCIN

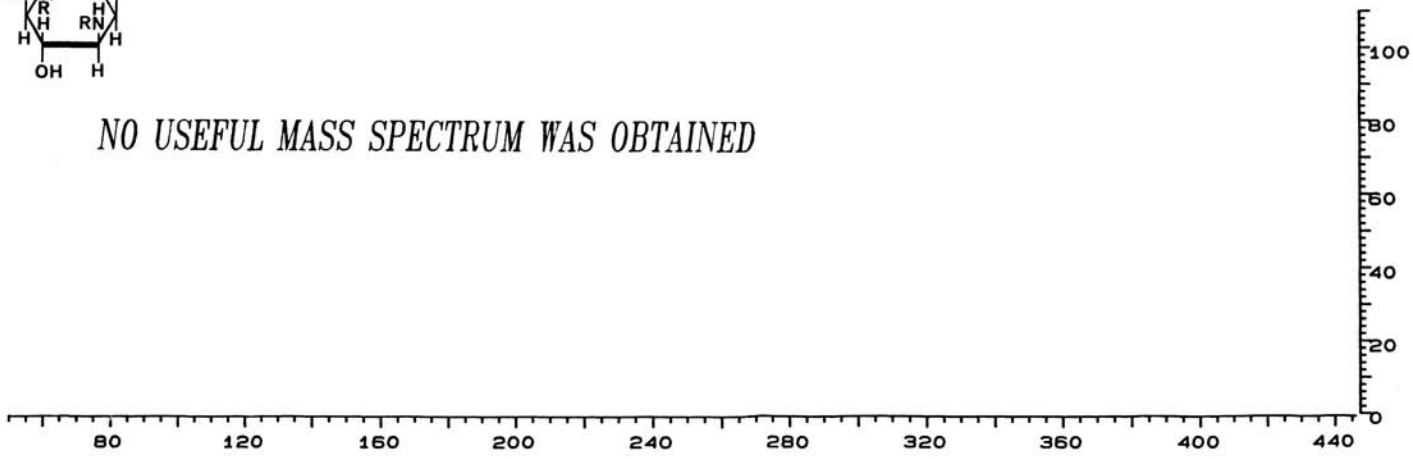
$C_{21}H_{41}N_7O_{12}$

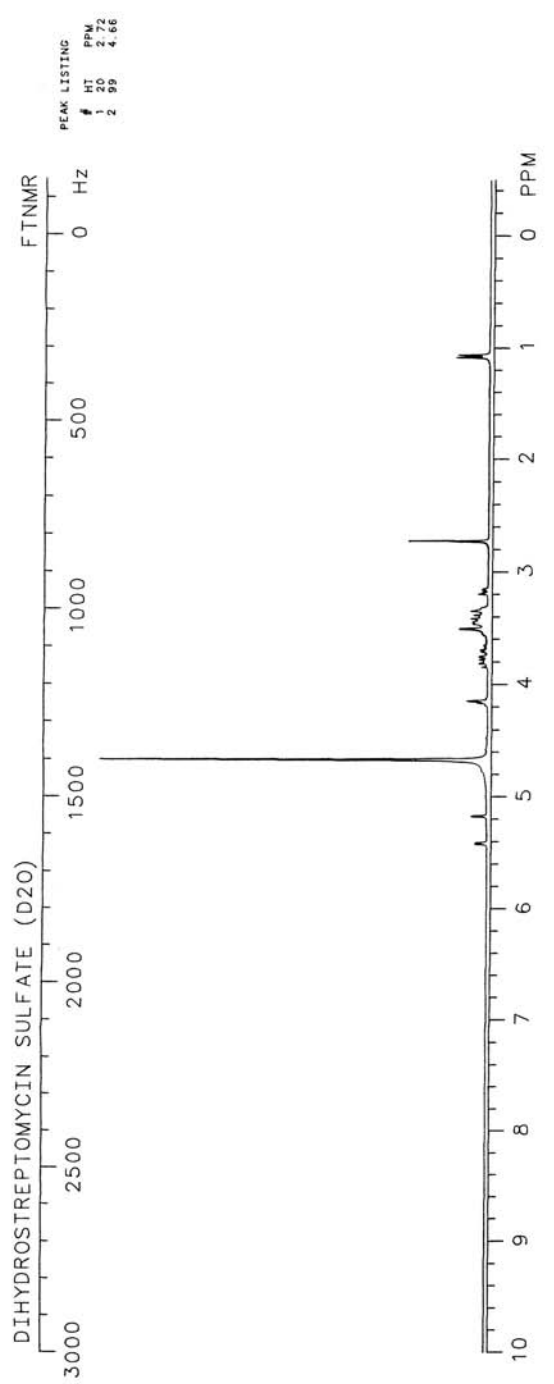
Molecular weight: 583.62 (583.28)
Synonyms: 4-O-[2-O-(2-Deoxy-2-methylamino-α-L-glucopyranosyl)-5-deoxy-3-C-hydroxymethyl-α-L-lyxofuranosyl]-N,N'-diamidino-D-streptamine;DST
Trade names: Abiocine, Didromycine, Guanimycin, Sol-Mycin, Streptlomagma, Vibriomycin
Use: Antibacterial
HPLC:
GC:

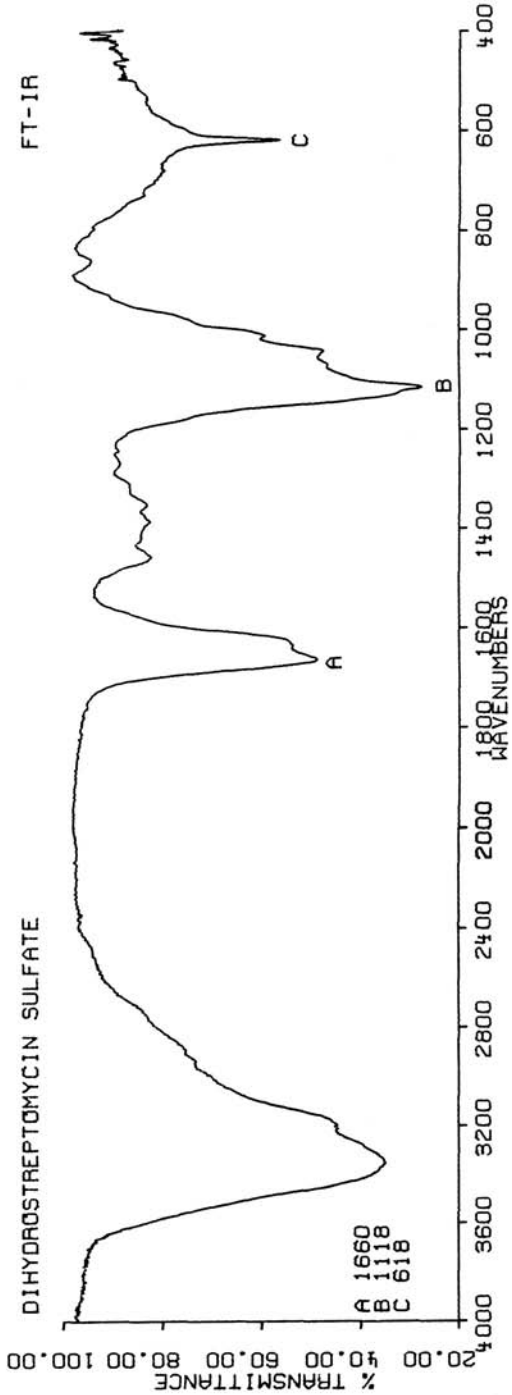




NO USEFUL MASS SPECTRUM WAS OBTAINED




DIHYDROSTREPTOMYCIN SULFATE (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 20 2.72
2 99 4.66
10
9
8
7
6
5
4
3
2
1
0 PPM

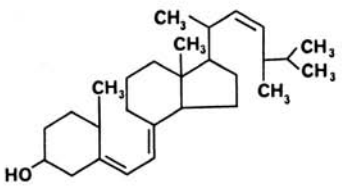

DIHYDROSTREPTOMYCIN SULFATE
FT-IR
A 1660
B 1118
C 618
A
B
C
% TRANSMITTANCE
20.00
40.00
60.00
80.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

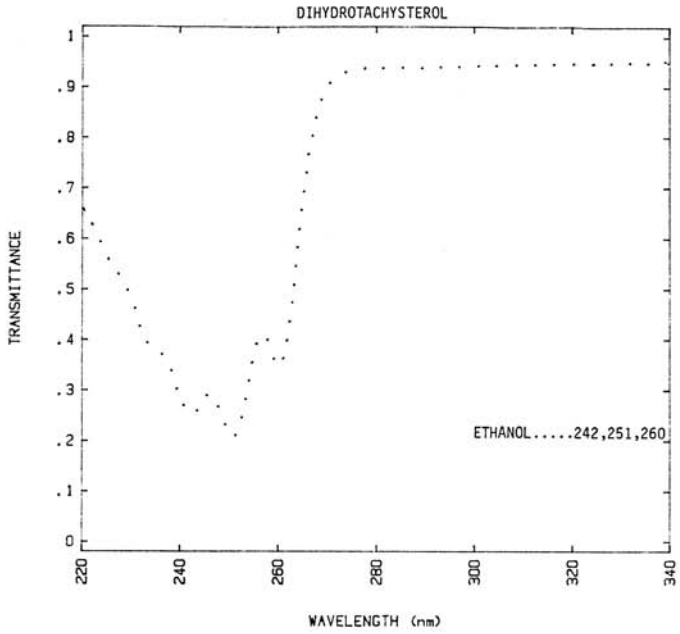
DIHYDROTACHYSTEROL

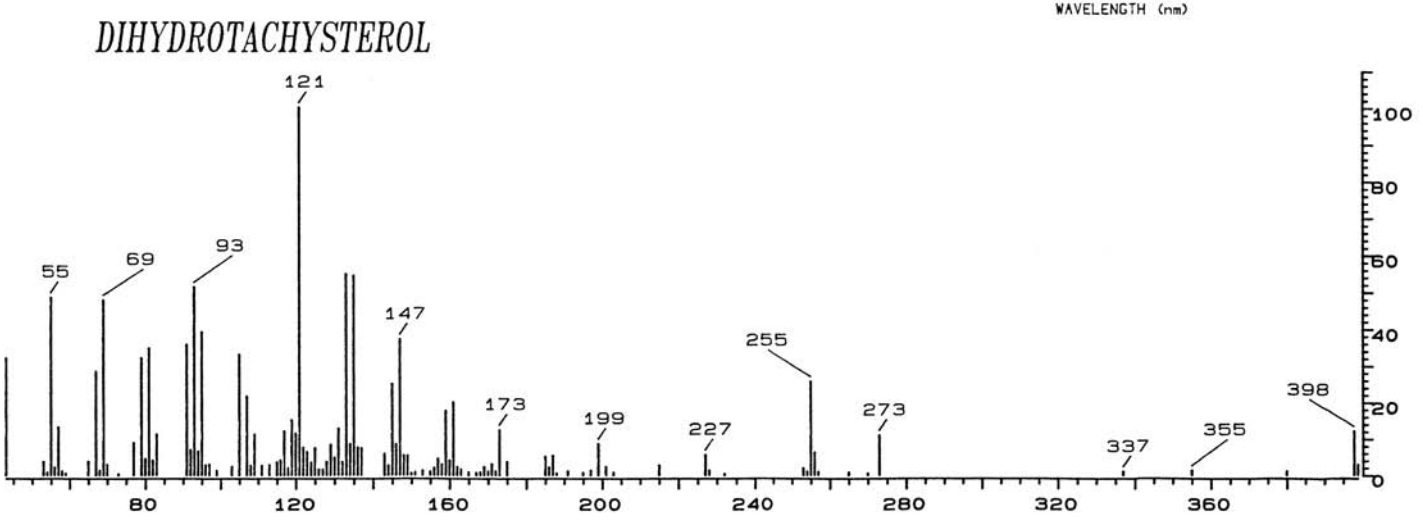
$C_{28}H_{46}O$

Molecular weight: 398.65 (398.36)
Synonyms: 9,10-Secoergosta-5,7,22-trien-3β-ol; dichystrolum; dichysterol
Trade names: DHT, Calcamine, Dihydral, Dygratyl, Hytakerol, Tachyrol

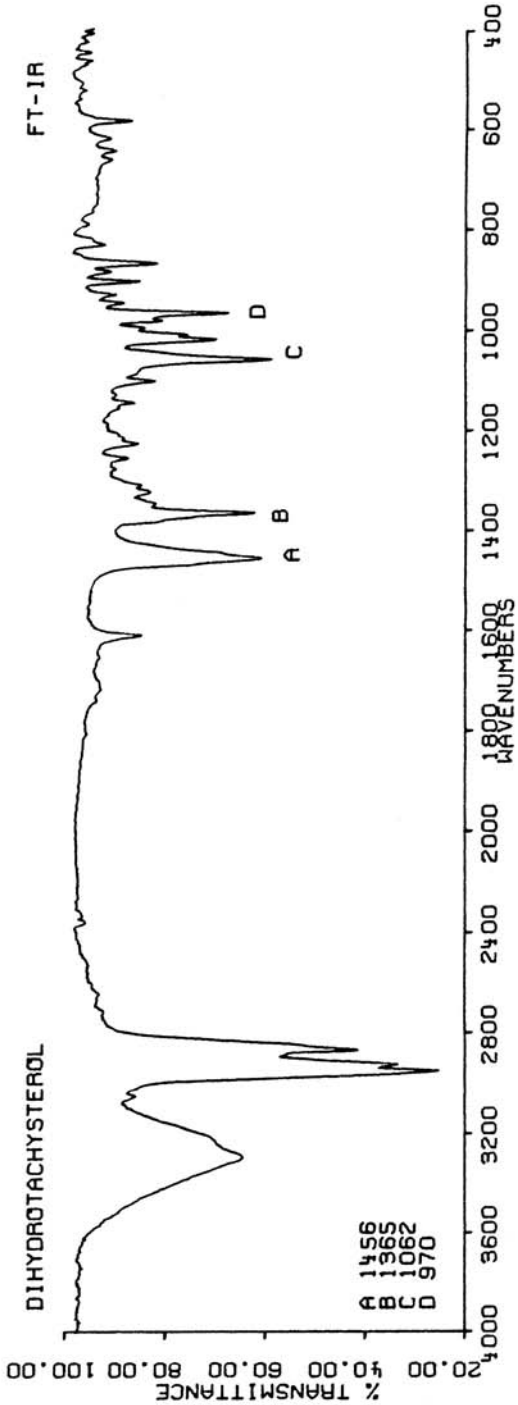
Use: Vitamin
HPLC: Si-10; 20B:80C; 5.7
GC: 3098; 280°C







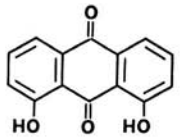
INSUFFICIENT SOLUBILITY

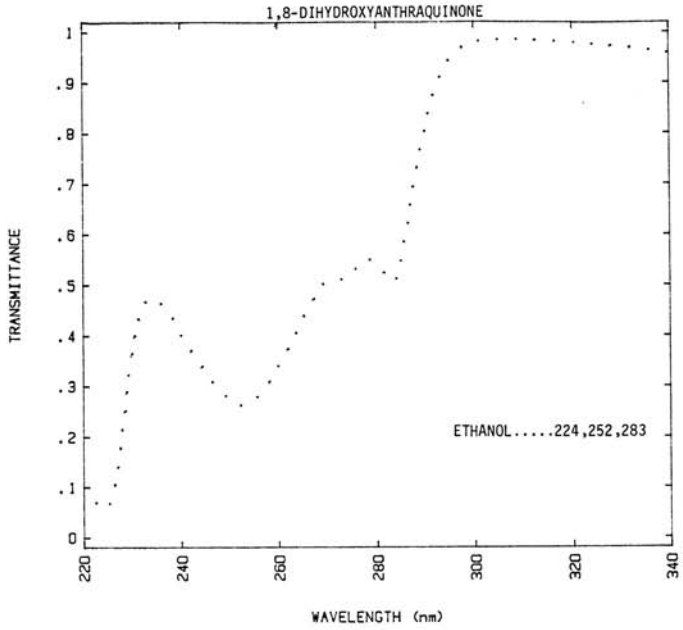


DIHYDROXYANTHRAQUINONE

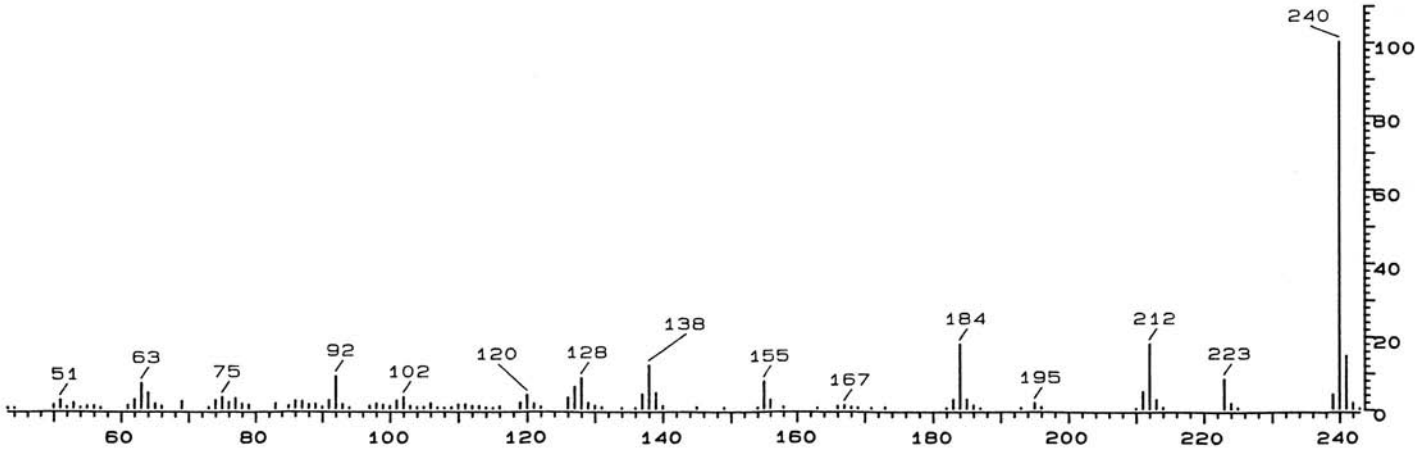
$C_{14}H_8O_4$

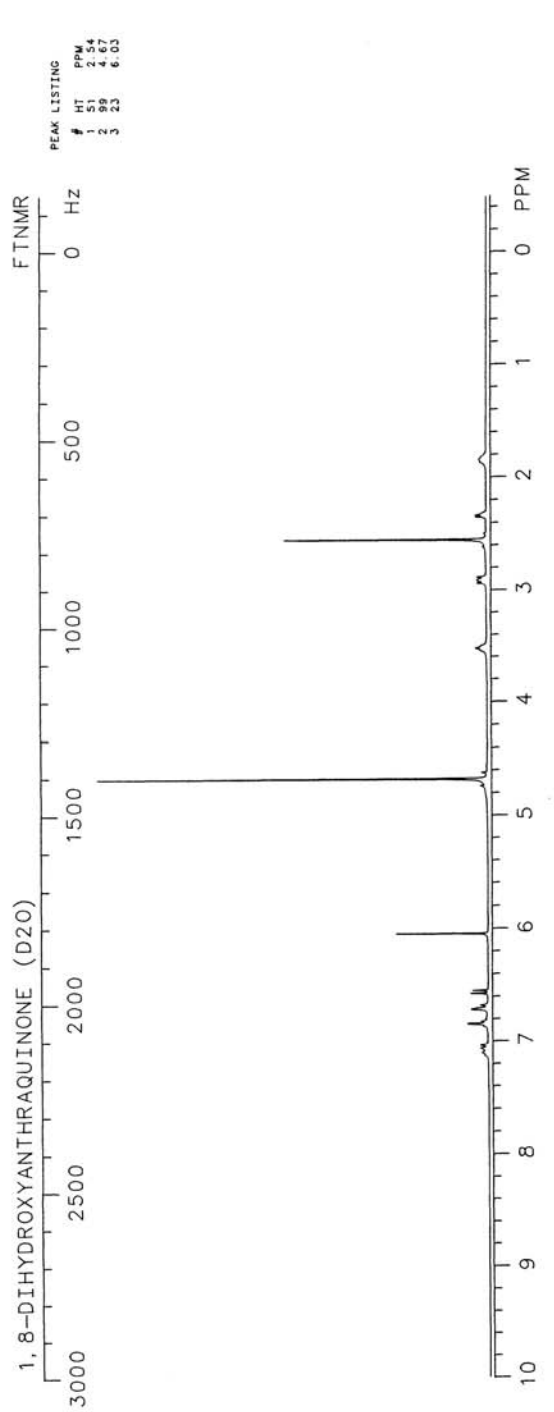
Molecular weight: 240.20 (240.04)
Synonyms: 1,8-Dihydroxy-9,10-anthracenedione; danthron; dantron; chrysazin
Trade names: Altan, Diaquano, Dorbane, Duolax, Istin, Istizin, Modane, Antrapurol
Use: Cathartic
HPLC:
GC: 2241; 250°C

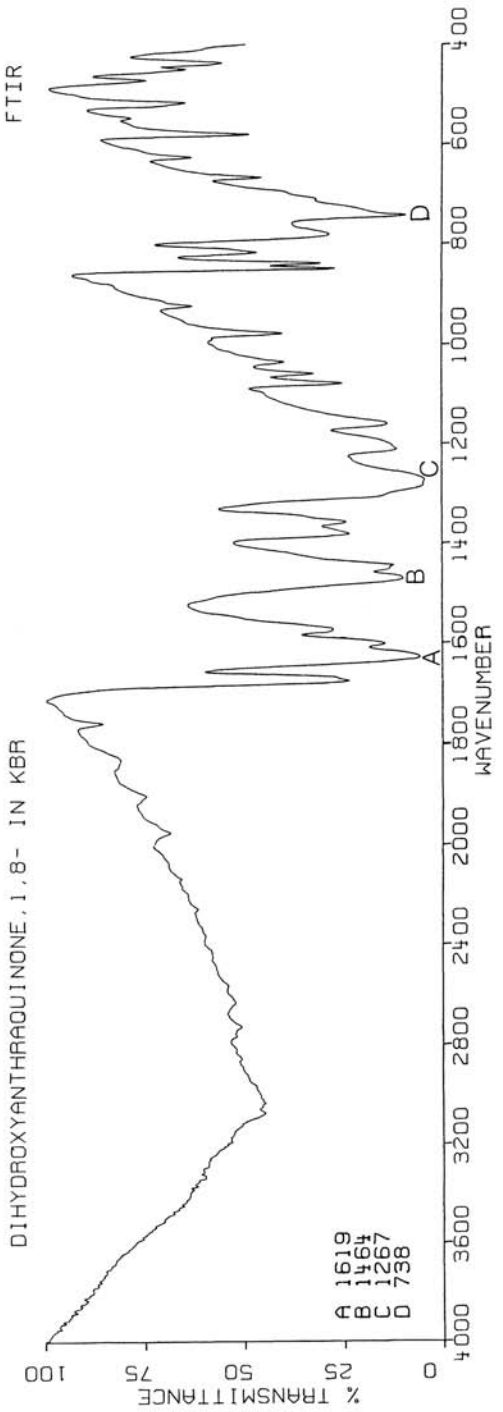




1,8-DIHYDROXYANTHRAQUINONE




1,8-DIHYDROXYANTHRAQUINONE (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 51 2.54
2 99 4.67
3 23 6.03
10
9
8
7
6
5
4
3
2
1
0 PPM

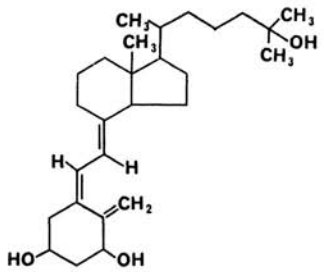

DIHYDROXYANTHRAQUINONE,1,8- IN KBR
FTIR
A 1619
B 1464
C 1267
D 738
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D

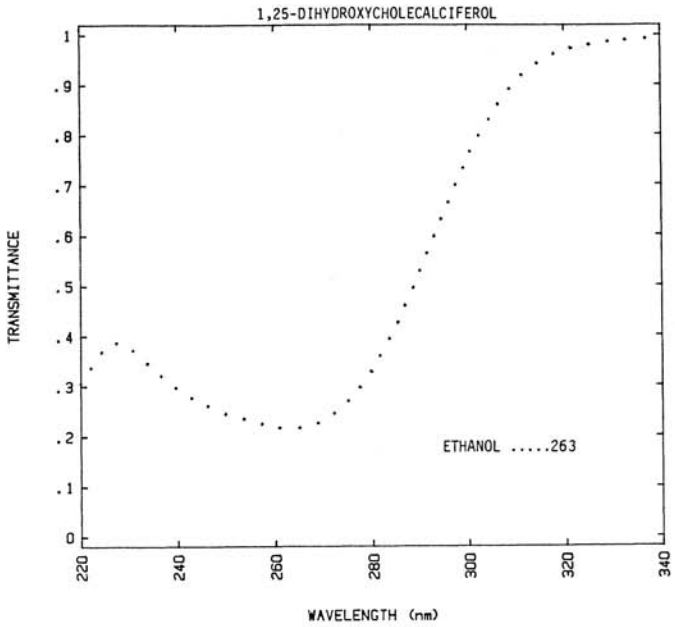
DIHYDROXYCHOLECALCIFEROL

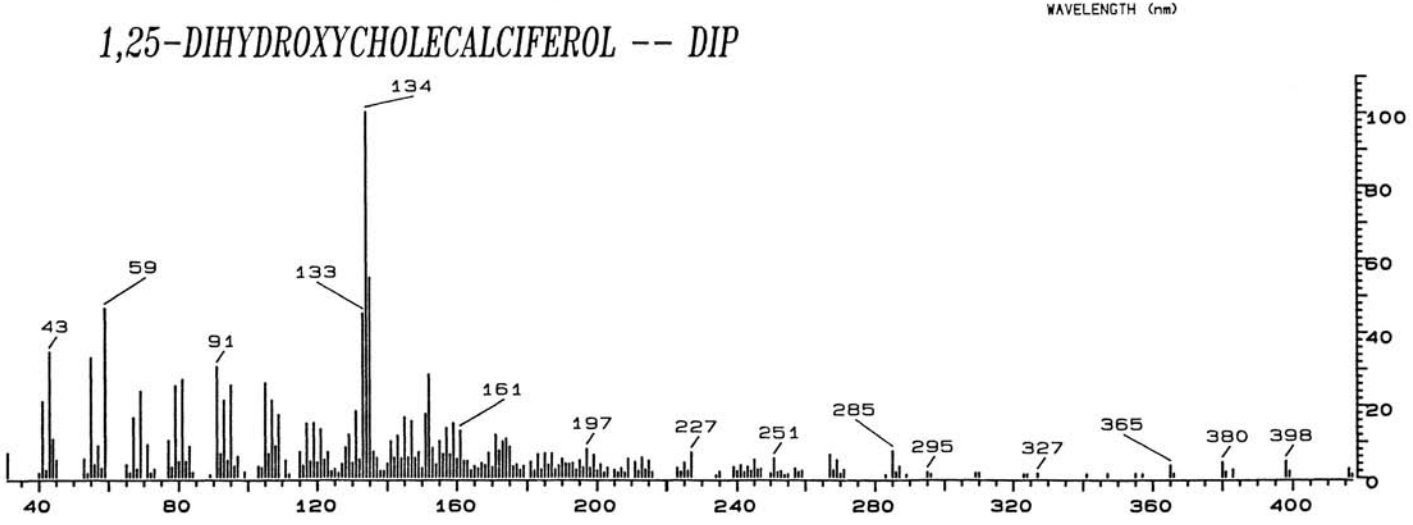
$C_{27}H_{44}O_3$

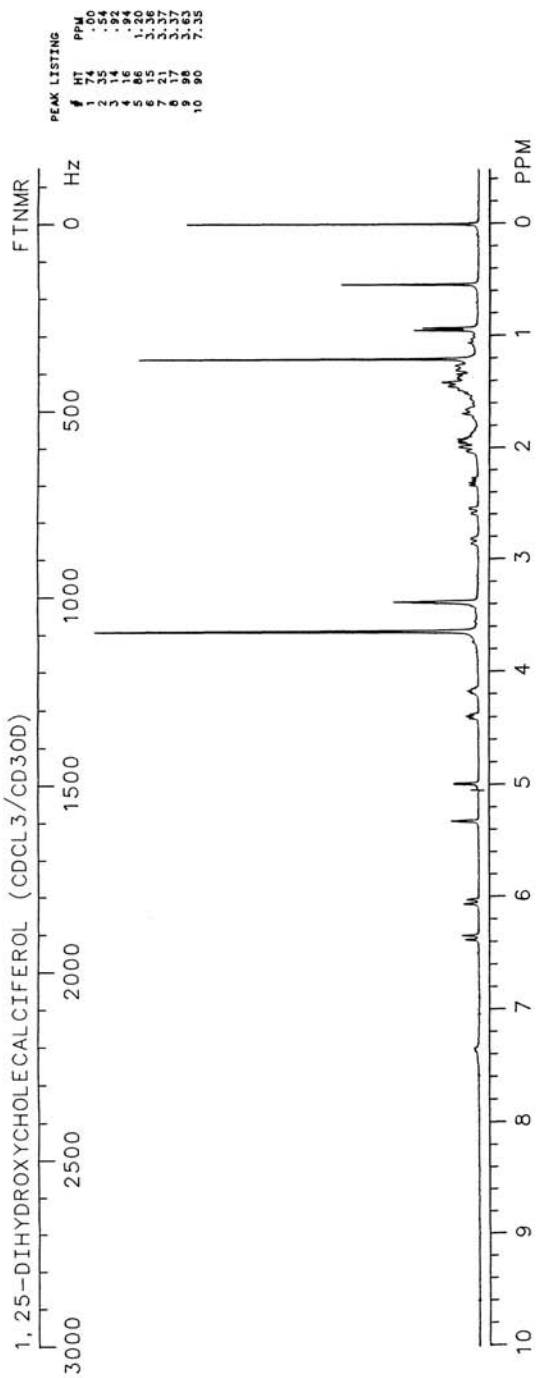
Molecular weight: 416.65 (416.33)
Synonyms: 9,10-Secocholesta-5,7,10(19)-triene-1,3,25-triol; 1α,25-dihydroxyvitamin D_3; calcitriol
Trade names:

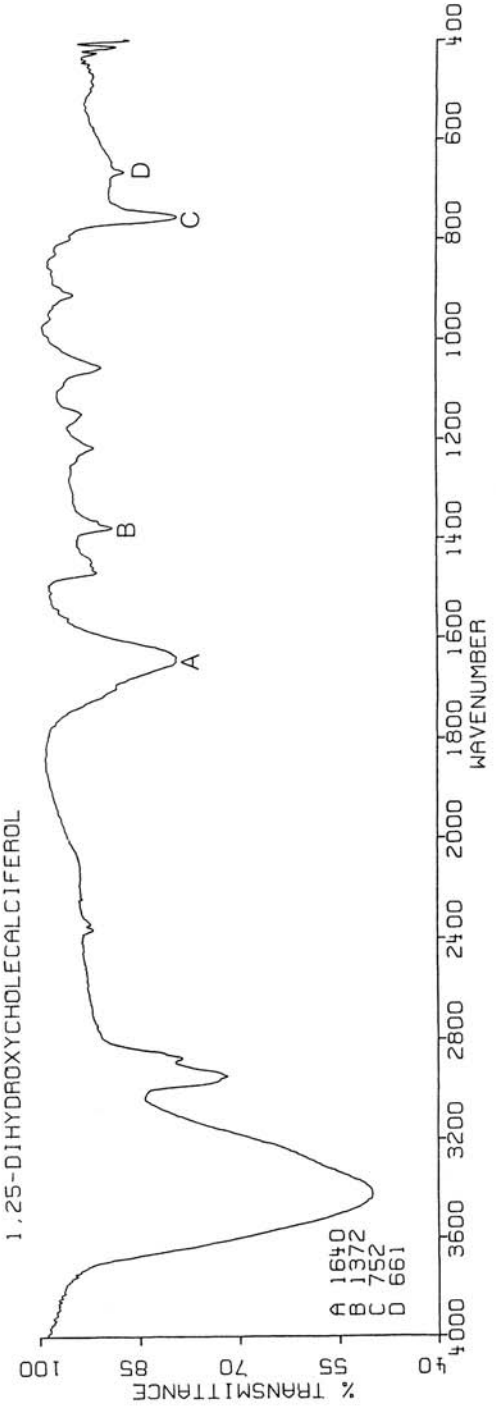
Use: Vitamin
HPLC: Si-10; 2A:98B; 4.3
GC:








1,25-DIHYDROXYCHOLECALCIFEROL (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 74 .00
2 35 .54
3 14 .92
4 16 .94
5 66 1.20
6 15 3.36
7 21 3.37
8 17 3.37
9 98 3.63
10 90 7.35


1,25-DIHYDROXYCHOLECALCIFEROL
A 1640
B 1372
C 752
D 661
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

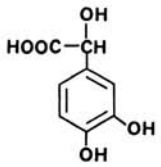
DIHYDROXYMANDELIC ACID

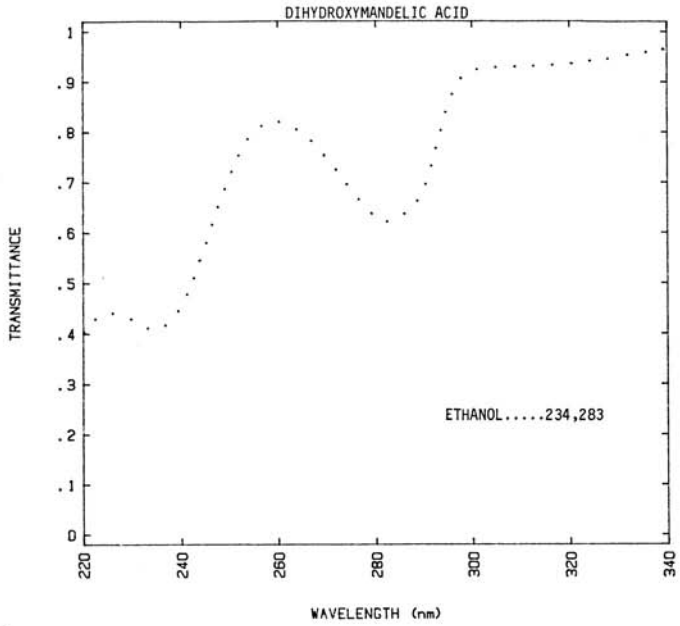
$C_8H_8O_5$

Molecular weight: 184.12 (184.04)
Synonyms: 3,4-Dihydroxy-α-hydroxybenzeneacetic acid

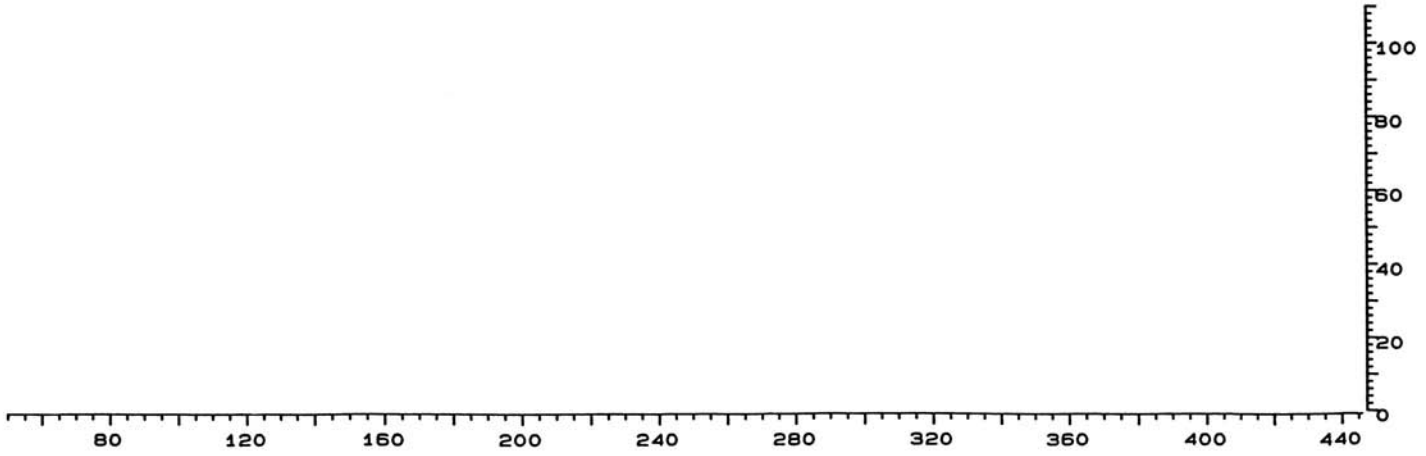
Trade names:

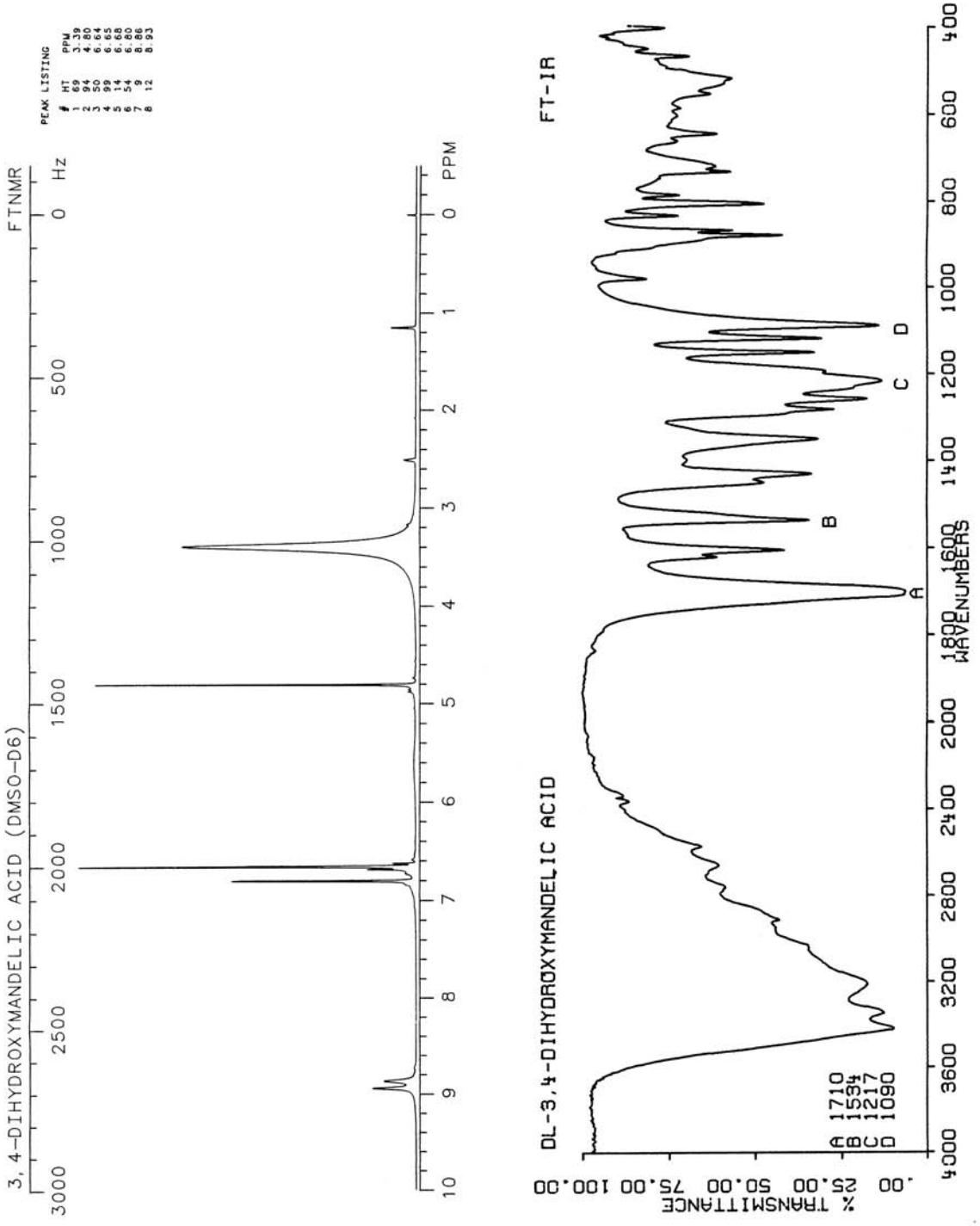
Use: Metabolite
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




3,4-DIHYDROXYMANDELIC 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 69 3.39
2 94 4.80
3 50 6.64
4 98 6.65
5 14 6.68
6 54 6.80
7 9 8.86
8 12 8.93
DL-3,4-DIHYDROXYMANDELIC ACID
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
A 1710
B 1534
C 1217
D 1090
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C D

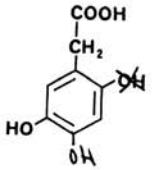
DIHYDROXYPHENYLACETIC ACID

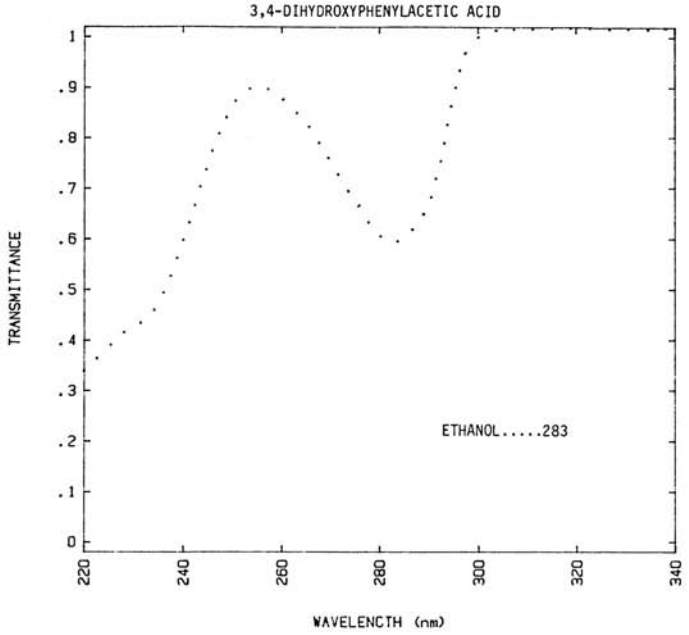
$C_8H_8O_4$

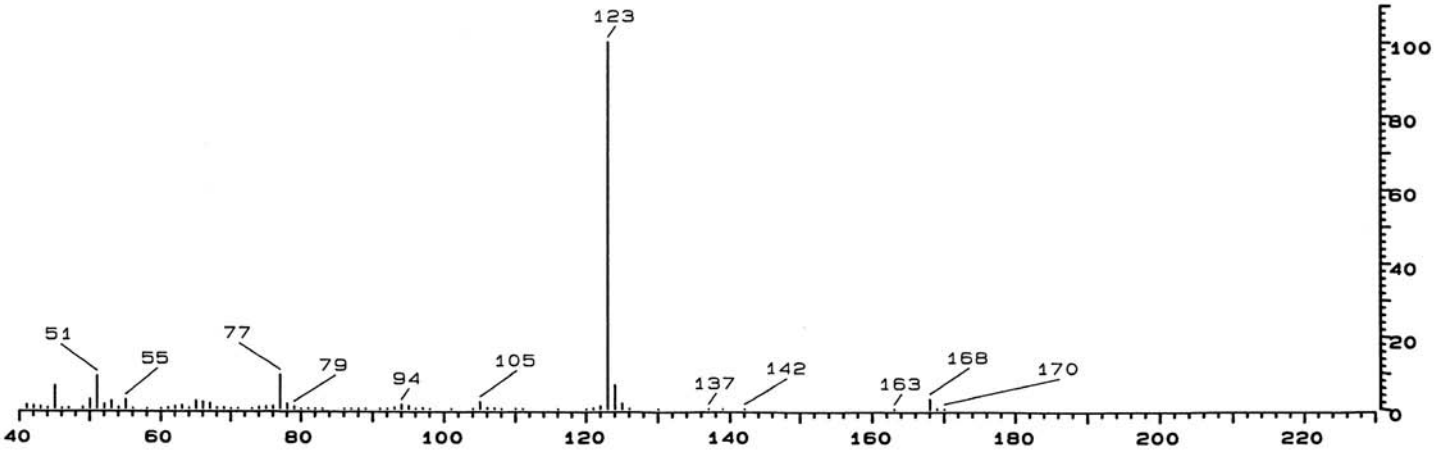
Molecular weight: 168.14 (168.04)
Synonyms: 2,5-Dihydroxybenzenacetic acid

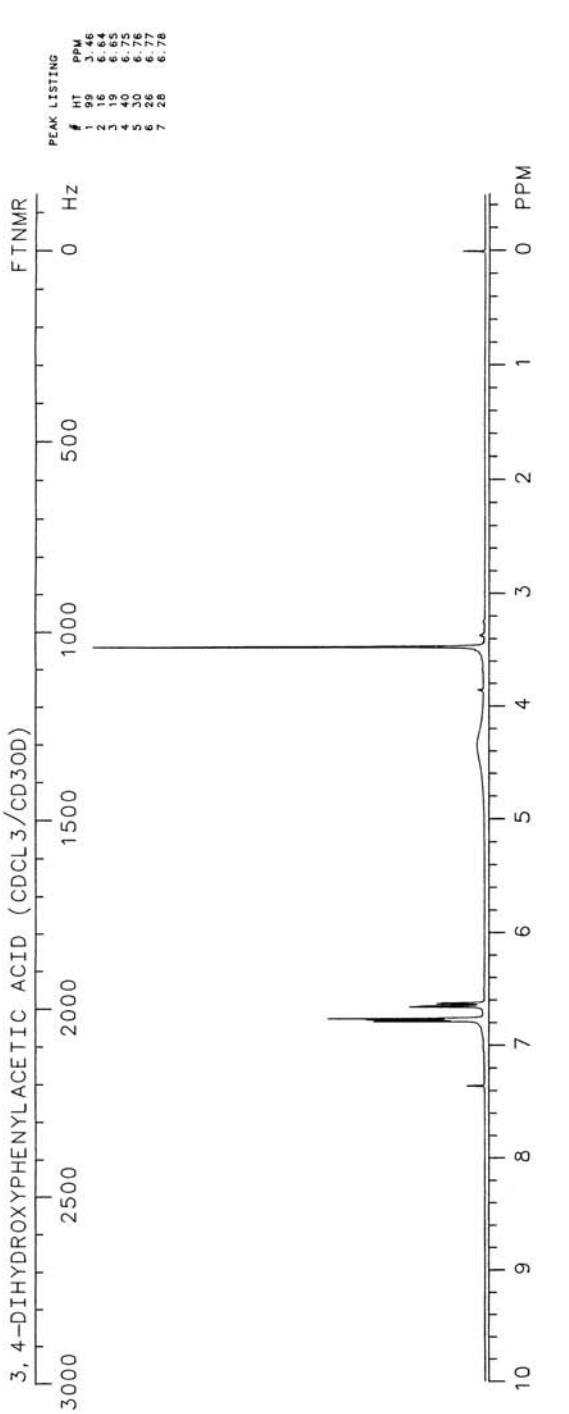
Trade names:

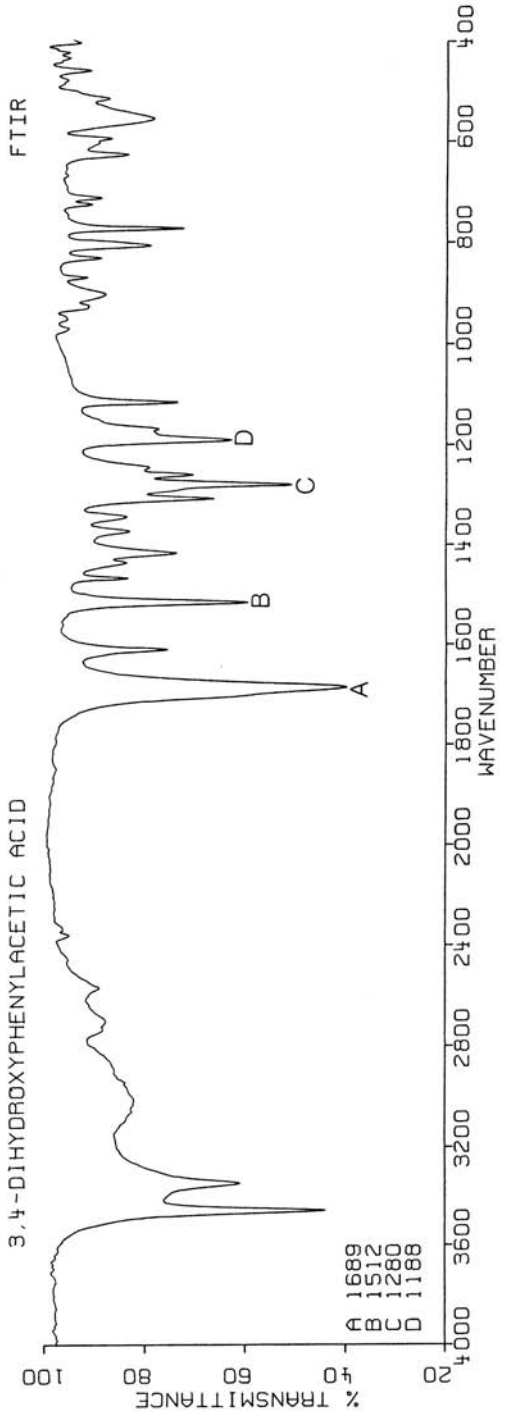
Use: Synthesis
HPLC: Si-10; 10A:90B; 4.3
GC:







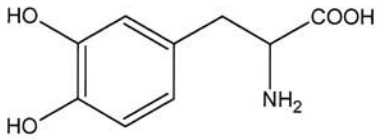

3,4-DIHYDROXYPHENYLACETIC ACID (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 3.46
2 16 6.64
3 19 6.65
4 40 6.75
5 20 6.76
6 26 6.77
7 28 6.78
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

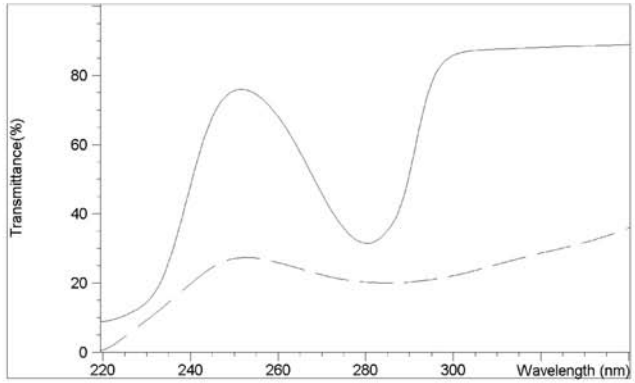

3,4-DIHYDROXYPHENYLACETIC ACID
FTIR
A 1689
B 1512
C 1280
D 1188
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

DIHYDROXYPHENYLALANINE

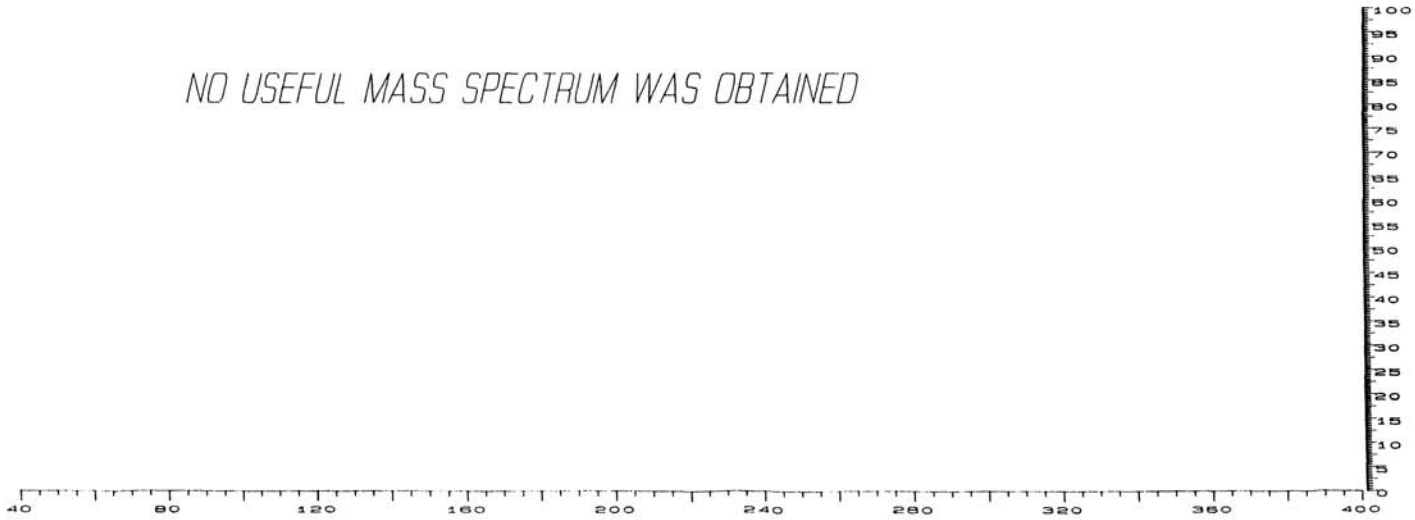
$C_9H_{11}NO_4$

Molecular Weight: 197.19 (197.07)
Synonyms: 3-Hydroxytyrosine; 3-(3,4-dihydroxyphenyl)alanine; β-(3,4-dihydroxyphenyl)-α-alanine; 2-amino-3-(3,4-dihydroxyphenyl)propanoic acid; DL-Dopa
Trade names:
Use:



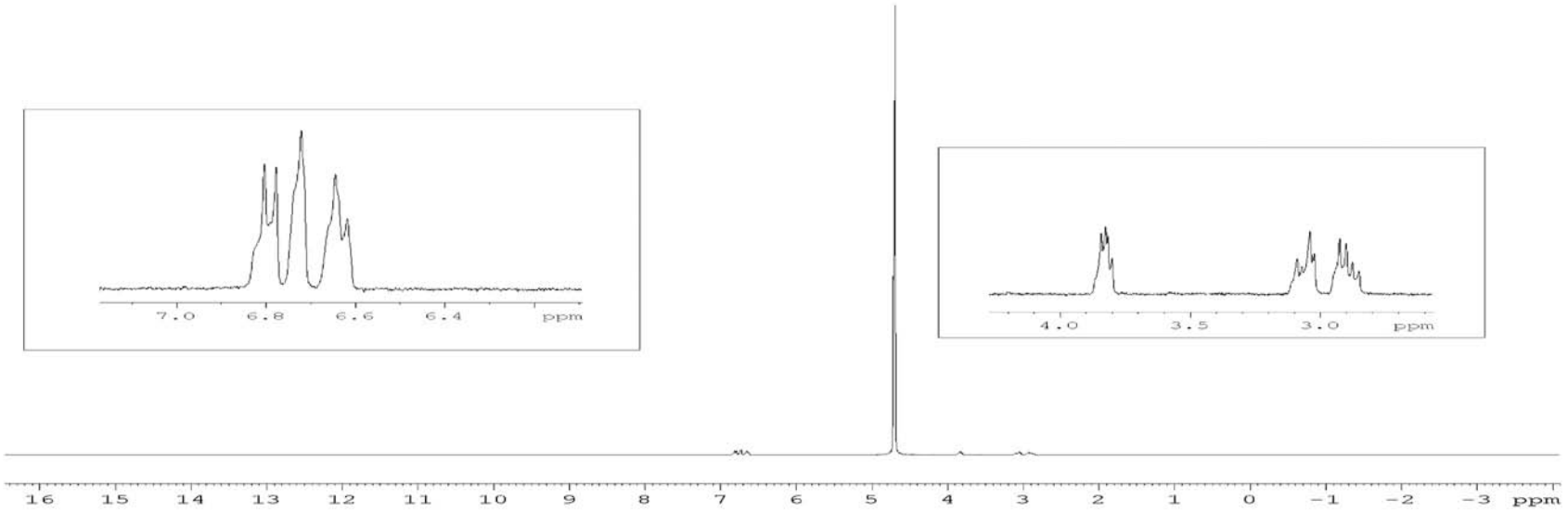


NO USEFUL MASS SPECTRUM WAS OBTAINED

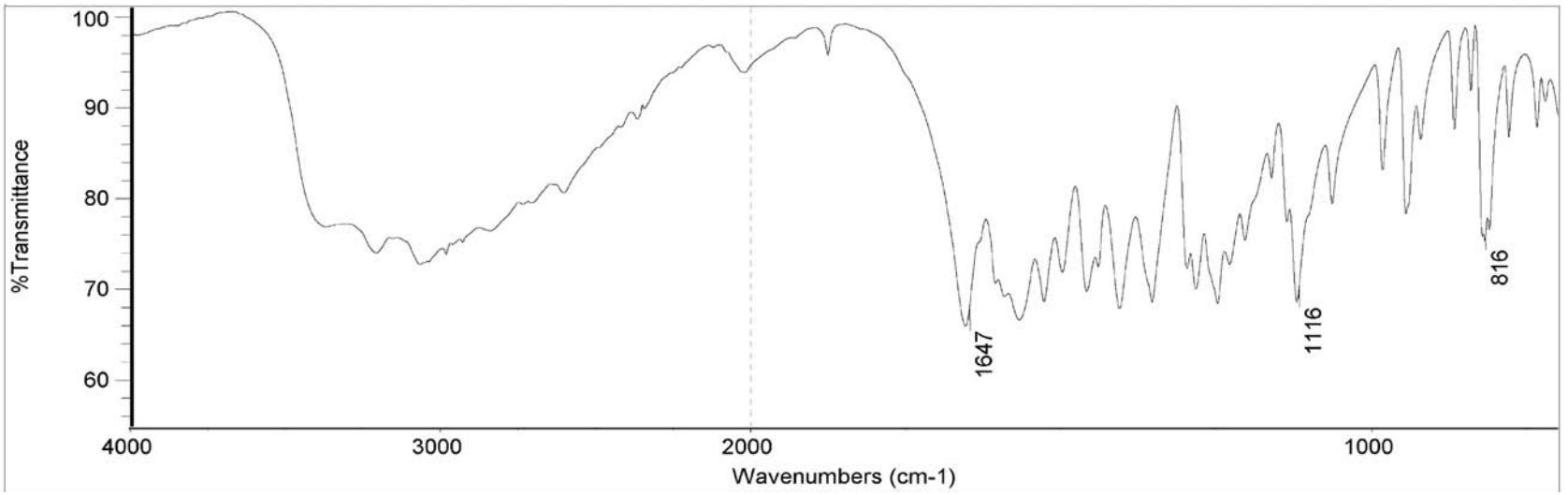


DIHYDROXYPHENYLALANINE

FTNMR



FT-IR



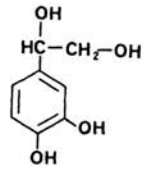
DIHYDROXYPHENYLGLYCOL

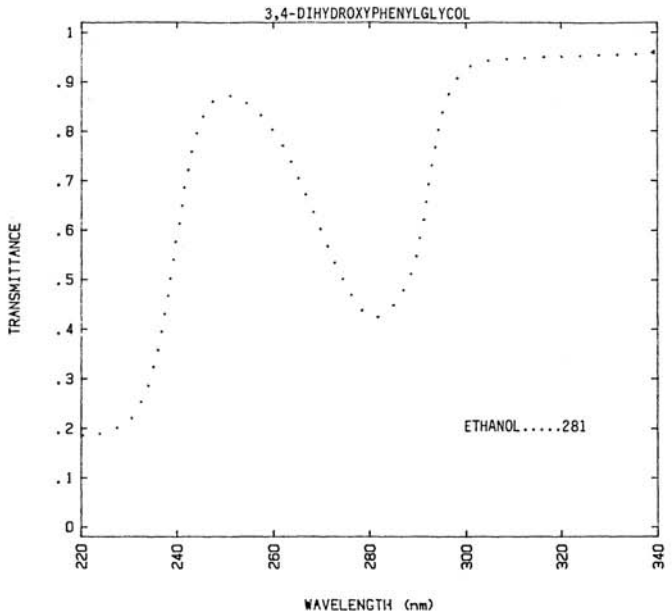
$C_8H_{10}O_4$

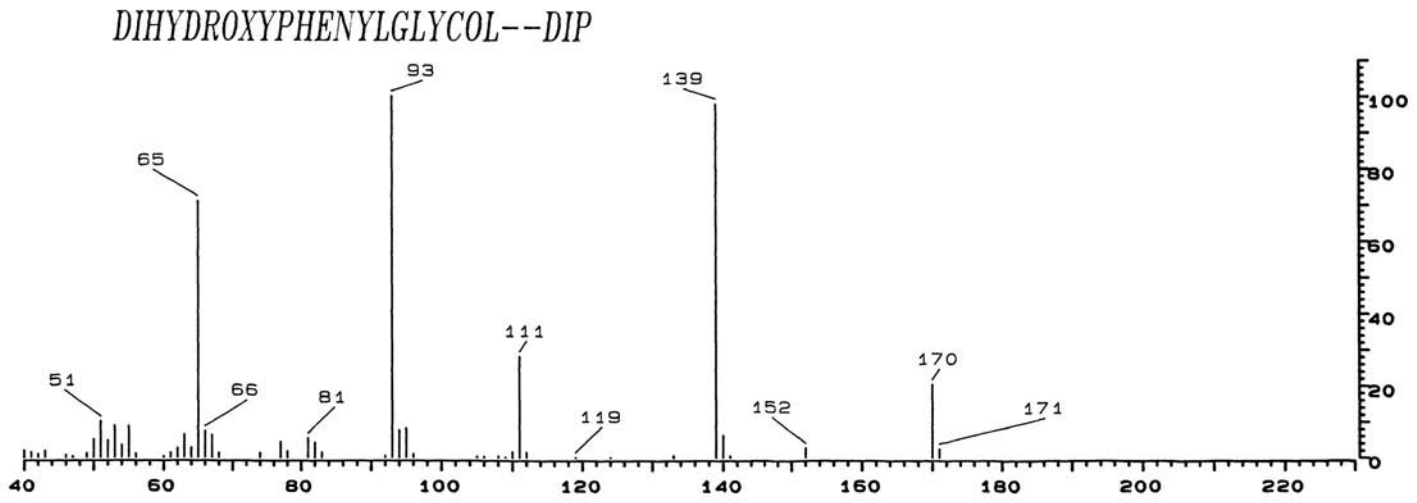
Molecular weight: 170.17 (170.06)
Synonyms: 3,4-Dihydroxy-1-phenyl-1,2-ethanediol

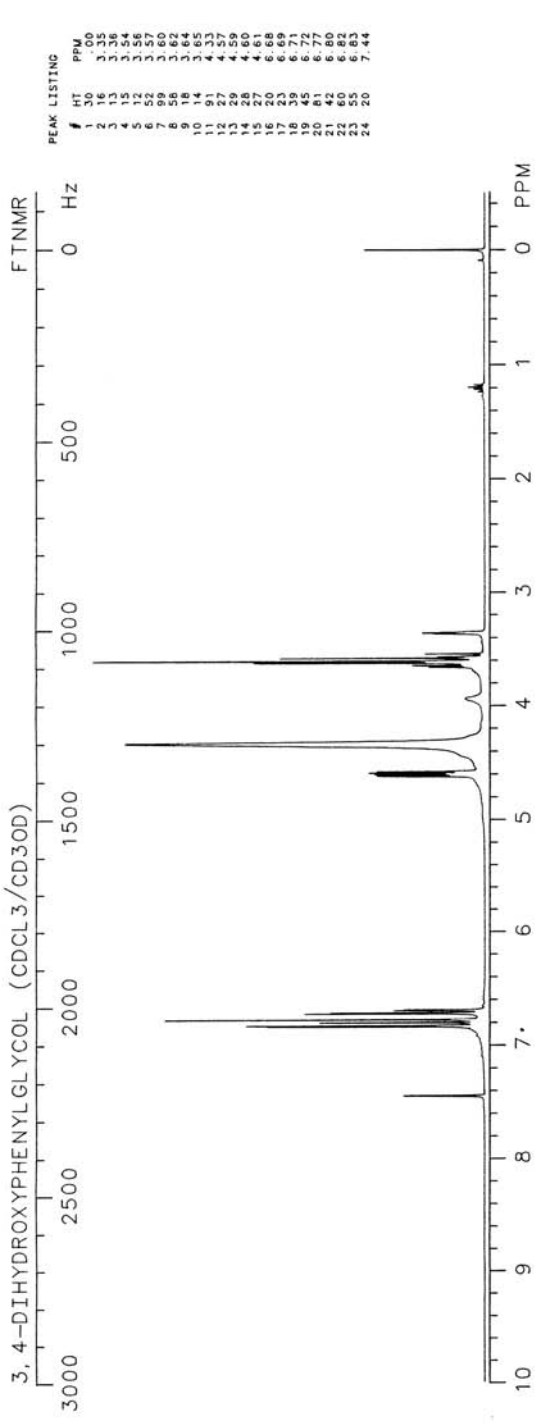
Trade names:

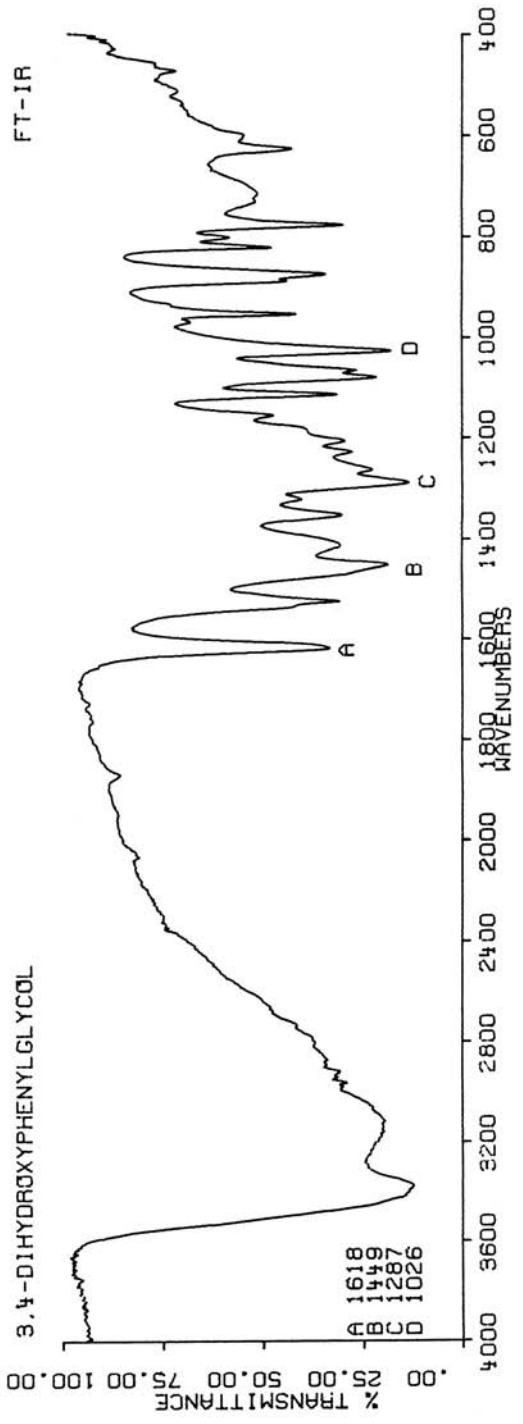
Use:
HPLC:
GC: 1507; 200°C








3,4-DIHYDROXYPHENYLGLYCOL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 30 3.00
2 16 3.35
3 13 3.36
4 15 3.54
5 12 3.56
6 52 3.57
7 99 3.60
8 58 3.62
9 18 3.64
10 14 3.65
11 91 4.33
12 27 4.57
13 29 4.59
14 28 4.60
15 27 4.61
16 20 6.68
17 23 6.69
18 39 6.71
19 45 6.72
20 81 6.77
21 42 6.80
22 60 6.82
23 55 6.83
24 20 7.44
Hz
PPM


3,4-DIHYDROXYPHENYLGLYCOL
FT-IR
A 1618
B 1449
C 1287
D 1026
% TRANSMITTANCE
WAVENUMBERS

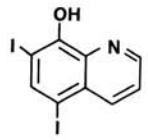
DIIODOHYDROXYQUIN

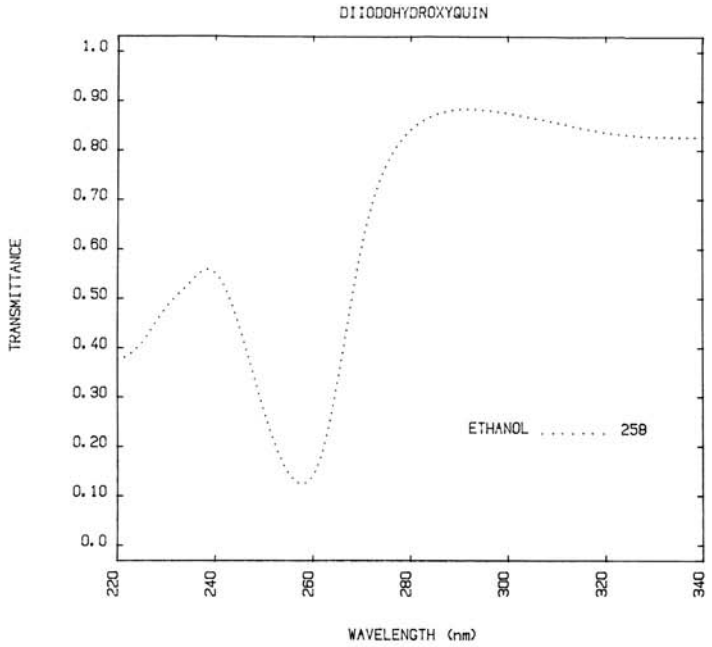
$C_9H_5I_2NO$

Molecular weight: 396.95 (396.84)
Synonyms: 5,7-Diiodo-8-quinolinol; diiodo-oxyquinoline; iodoquinol

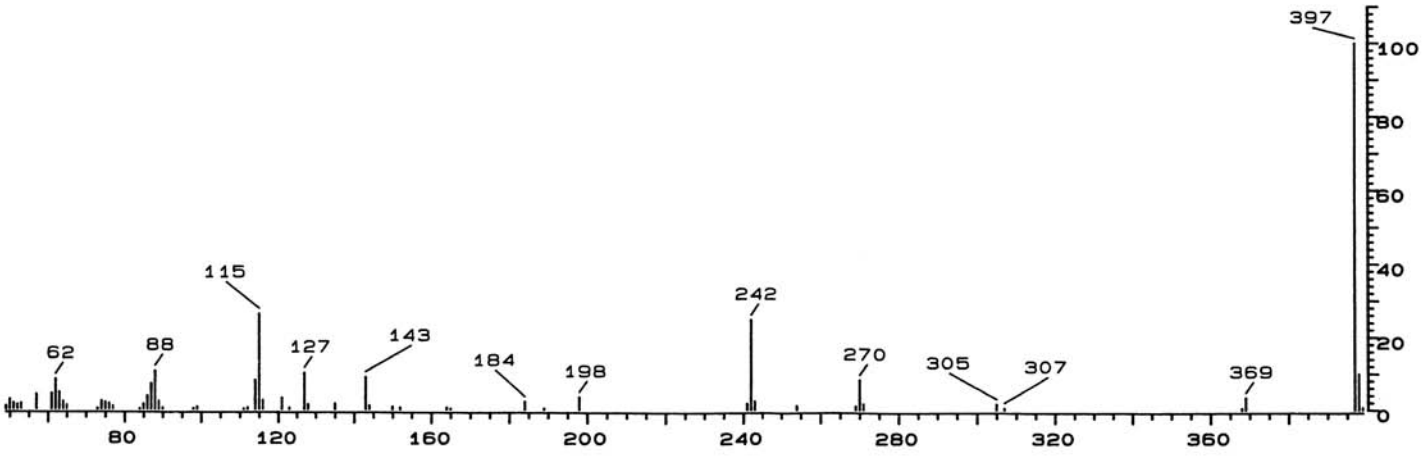
Trade names: Vytone

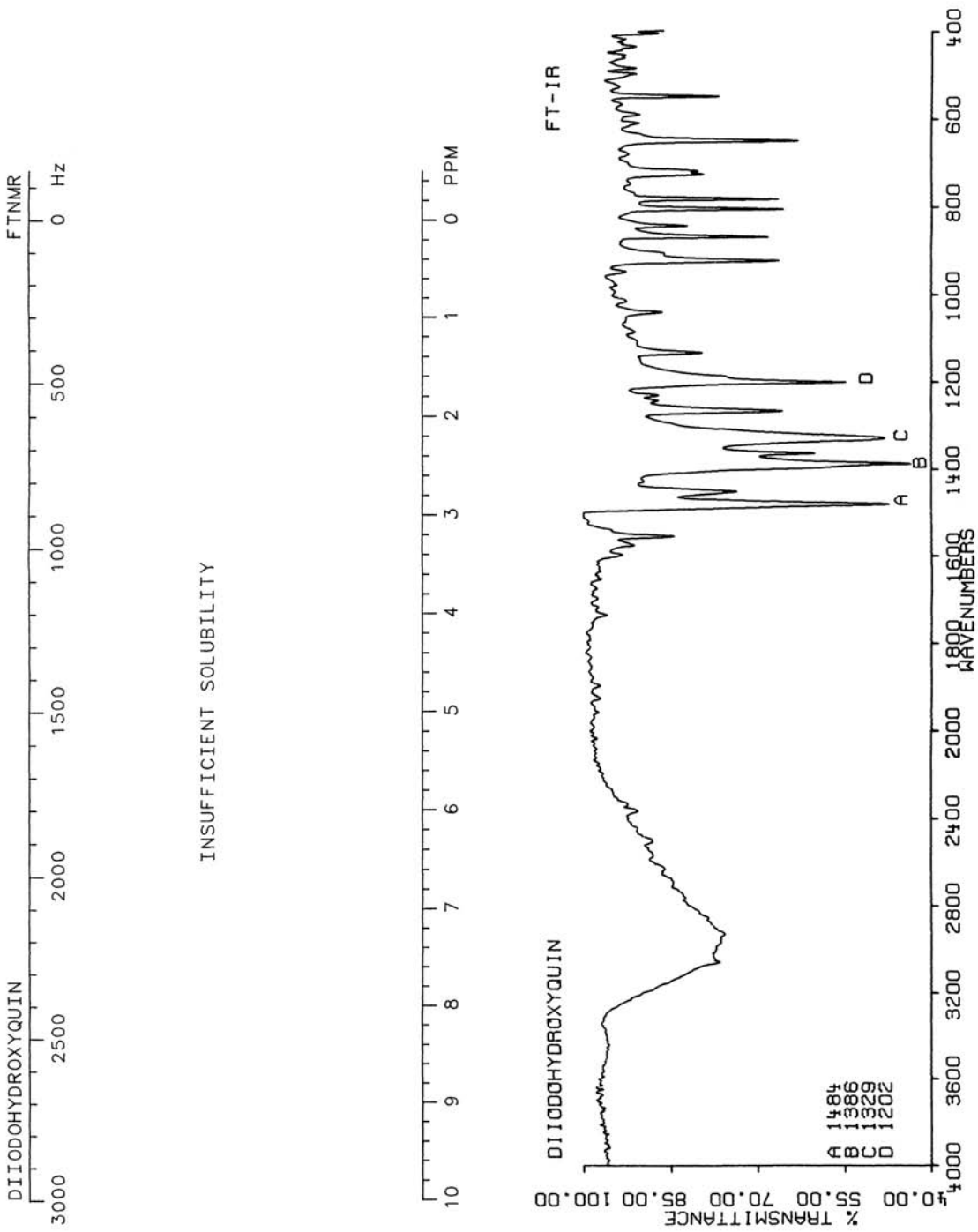
Use: Antiamebic
HPLC: Si-10; 5A:95B; 8.5
GC:





DIIODOHYDROXYQUIN--DIP




DIIODOHYDROXYQUIN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
DIIODOHYDROXYQUIN
FT-IR
A 1484
B 1386
C 1329
D 1202
% 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

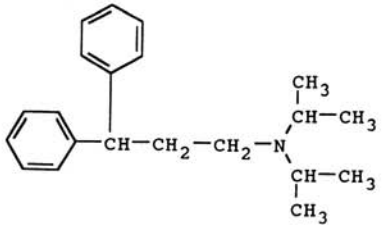
DIISOPROMINE

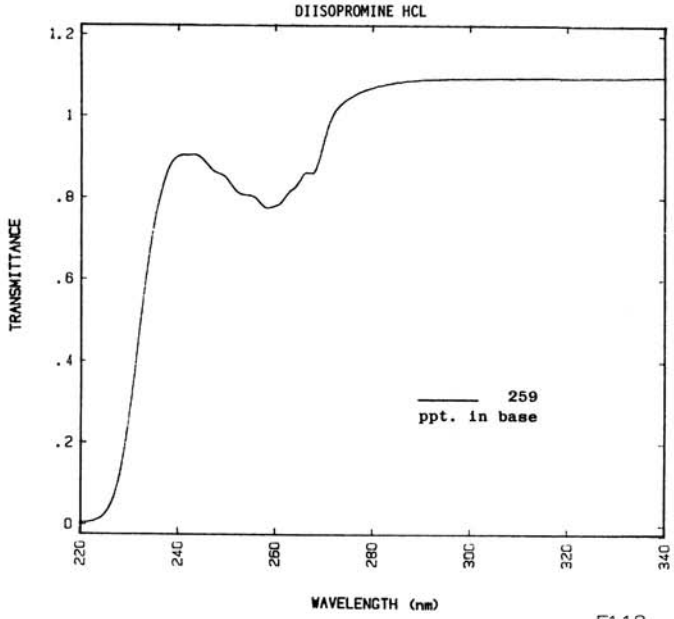
$C_{21}H_{29}N$

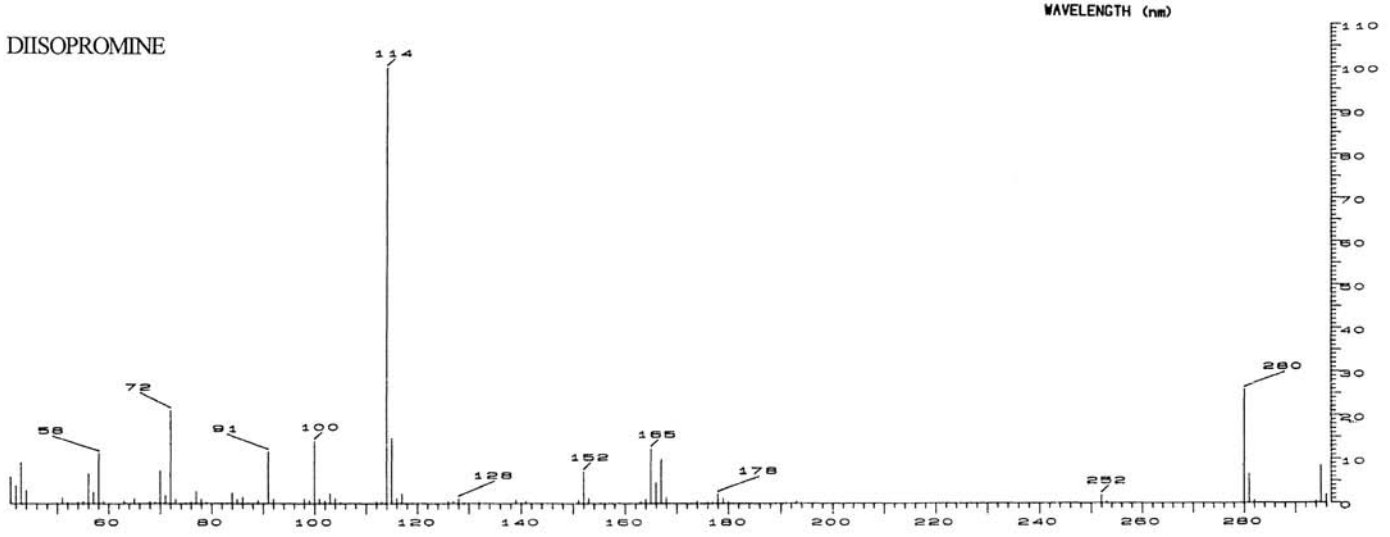
Molecular weight: 295.45 (295.23)

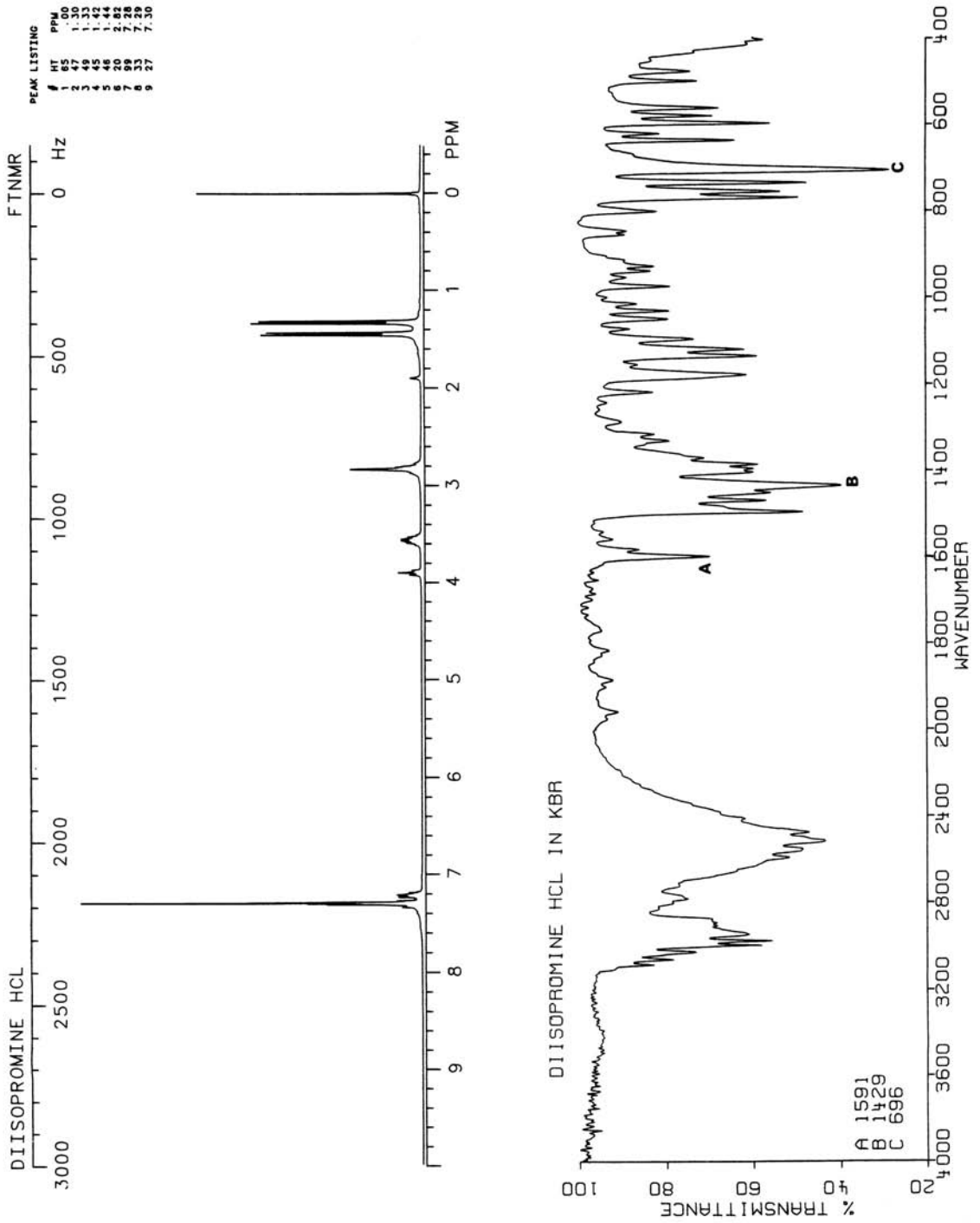
Synonyms: N,N-Bis-(1-Methylethyl)-γ-phenylbenzenepropanamine; N,N-dissopropyl-3,3-diphenylpropylamine; disopromine
Trade names: Agofell, Bilagol

Use: Antispasmodic
HPLC: 90A:10C; 3.8
GC: 2097; 250°








DIISOPROMINE HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 65 .00
2 47 1.33
3 45 1.42
4 45 1.43
5 46 1.44
6 20 2.82
7 99 7.28
8 33 7.29
9 27 7.30
9 8 7 6 5 4 3 2 1 0 PPM
DIISOPROMINE HCL IN KBR
A 1591
B 1429
C 696
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

DILOXANIDE

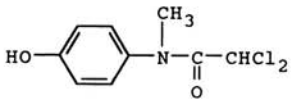
$C_9H_9Cl_2NO_2$

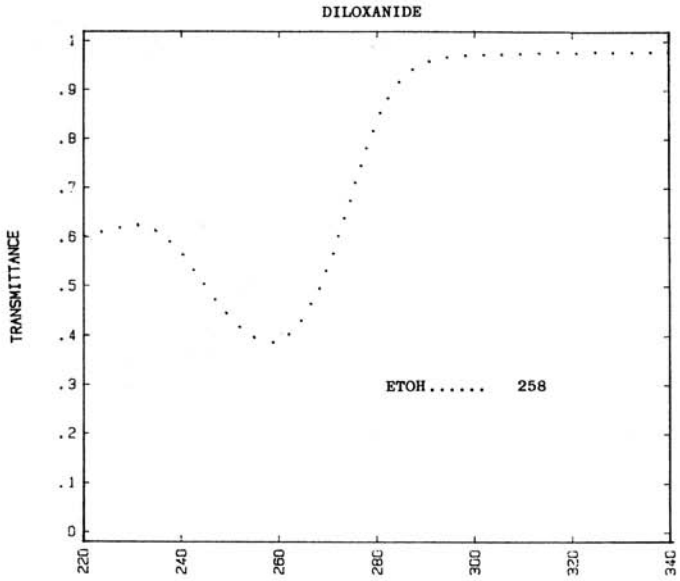
Molecular weight: 234.09 (233.01)

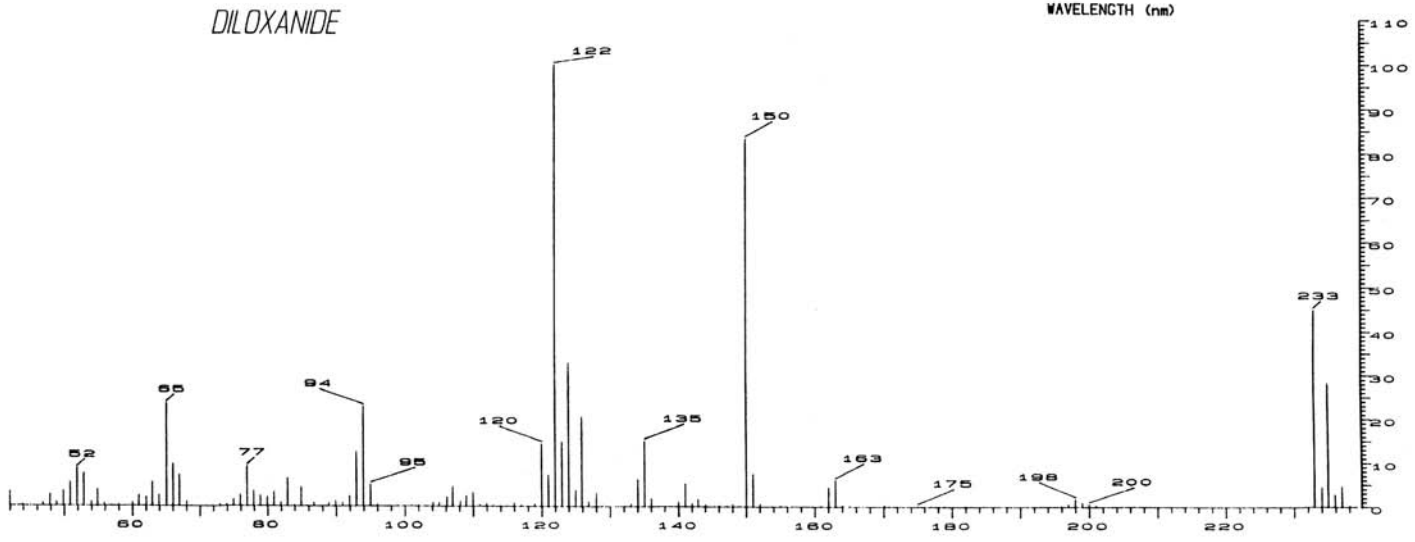
Synonyms: 2,2-Dichloro-N-(4-hydroxyphenyl)-N-methylacetamide

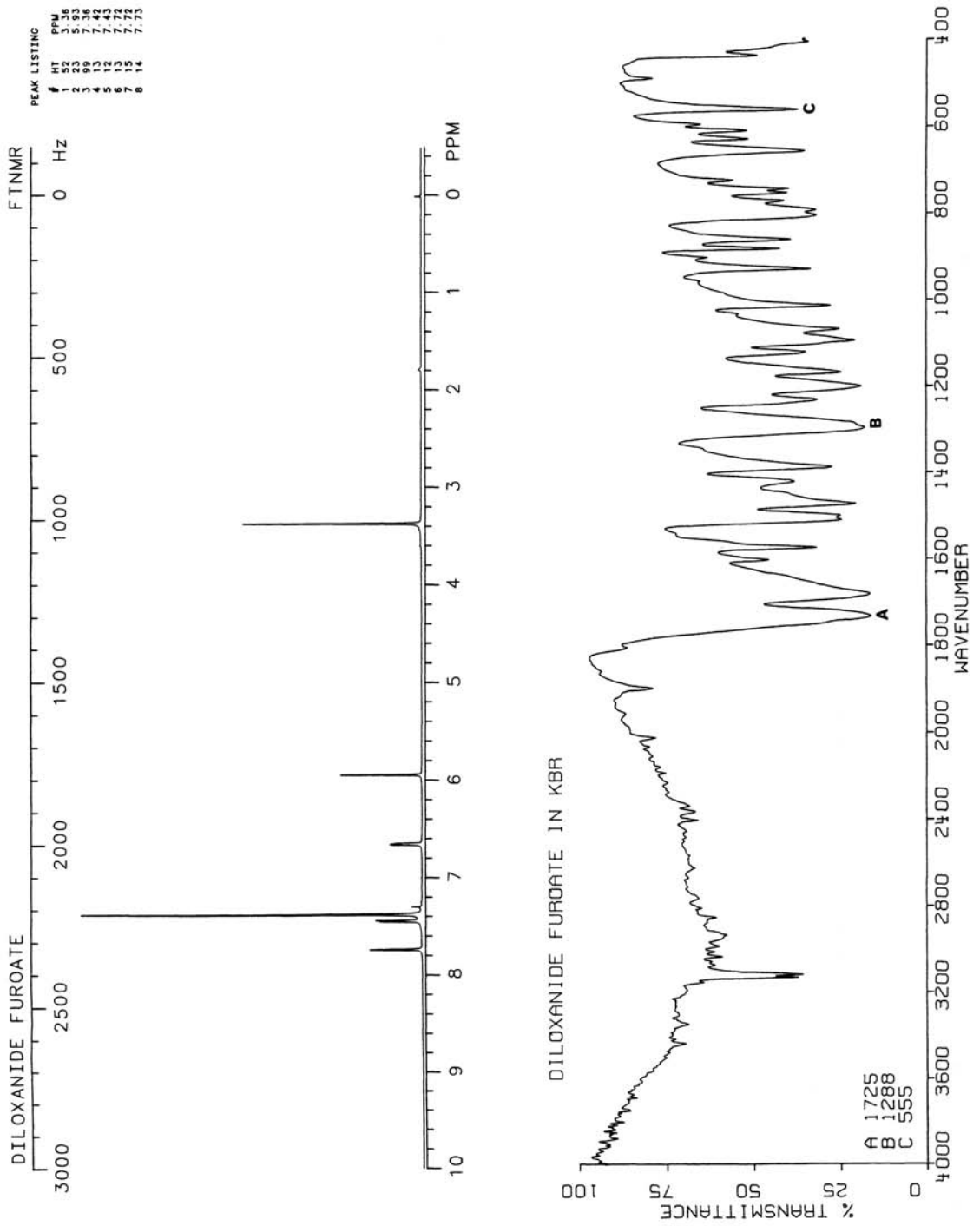
Trade names: Ame-Boots, Entamide, Furamide, Histomibal, Miforon

Use: Antiamebic
HPLC: 90A:10B; 2.7
GC: 1929; 200°







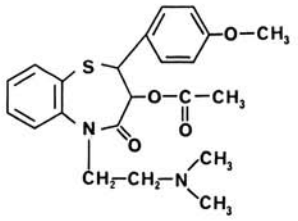

DILOXANIDE FUROATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 52 3.36
2 23 5.93
3 99 7.36
4 15 7.42
5 12 7.45
6 13 7.72
7 15 7.72
8 14 7.73
DILOXANIDE FUROATE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1725
B 1288
C 555
A
B
C

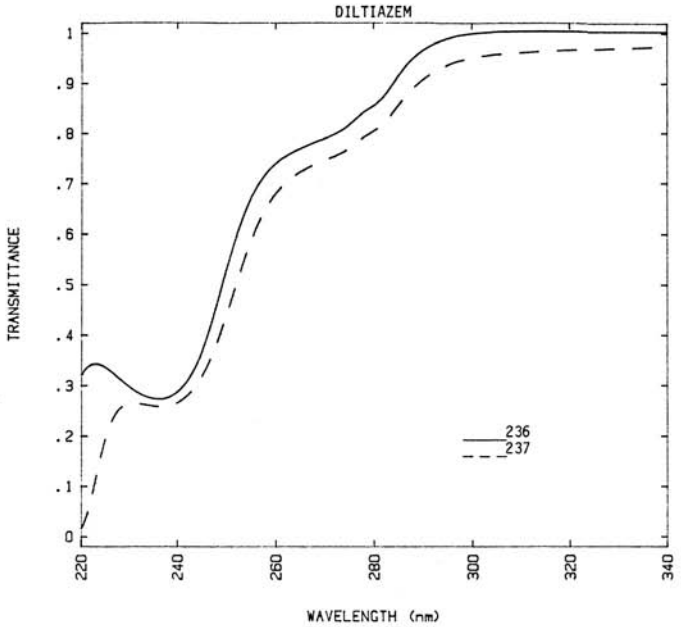
DILTIAZEM

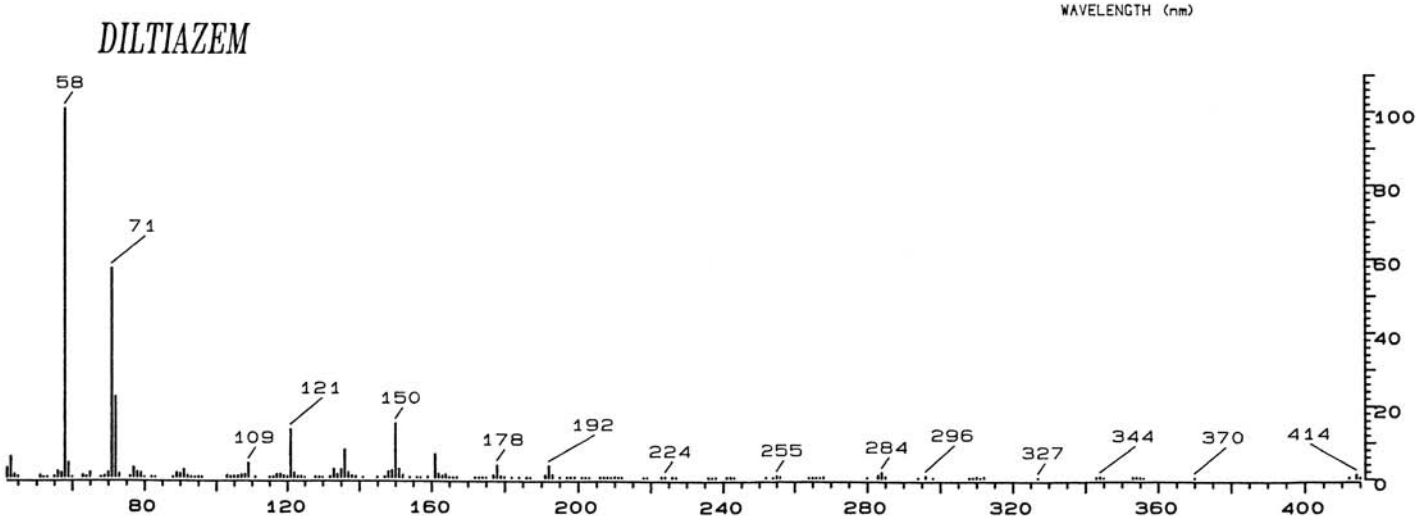
$C_{22}H_{26}N_2O_4S$

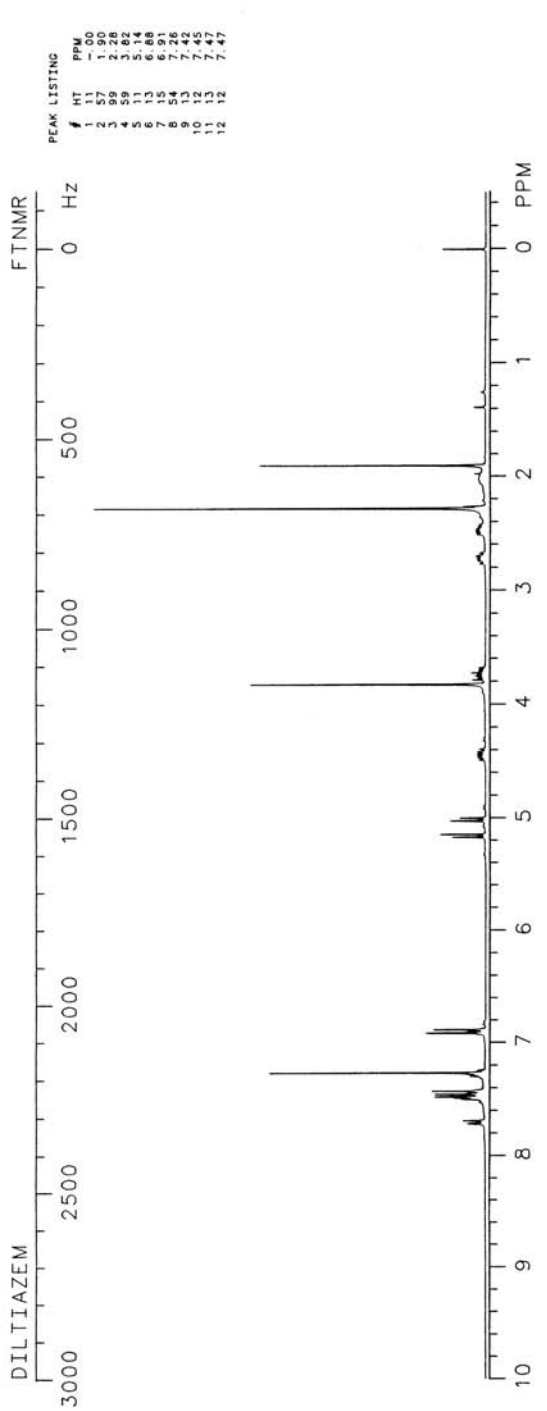
Molecular weight: 414.52 (414.16)
Synonyms: cis(+)-3-(Acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3-dihydro-2-(4-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one
Trade names: Cardizem

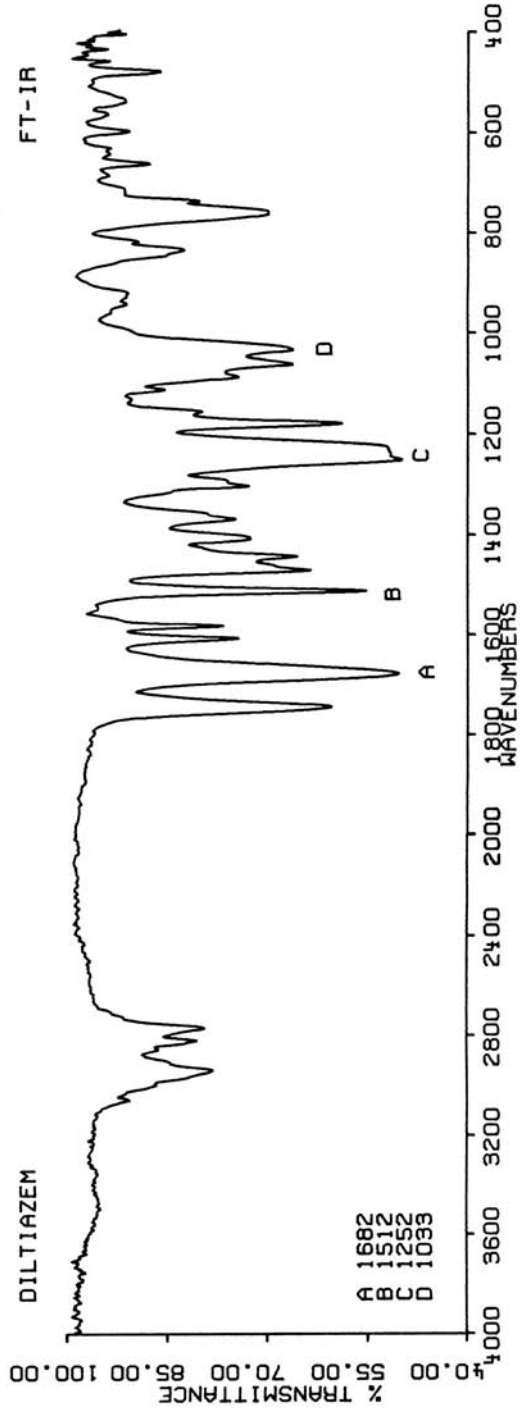
Use: Vasodilator
HPLC: Si-10; 2A:98B; 8.0
GC: 3032; 280°C








DILTIAZEM
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 1.00
2 57 1.90
3 99 2.28
4 59 3.82
5 11 5.14
6 13 6.86
7 15 6.91
8 54 7.26
9 13 7.42
10 12 7.45
11 13 7.47
12 12 7.47

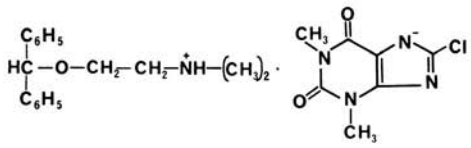

DILTIAZEM
FT-IR
% TRANSMITTANCE
100.00
85.00
70.00
55.00
40.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D
A 1682
B 1512
C 1252
D 1033

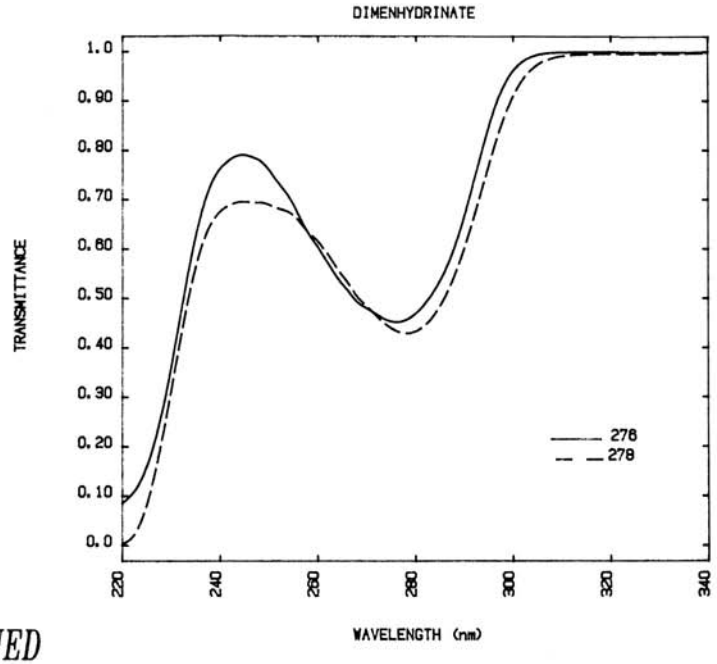
DIMENHYDRINATE

$C_{24}H_{28}ClN_5O_3$

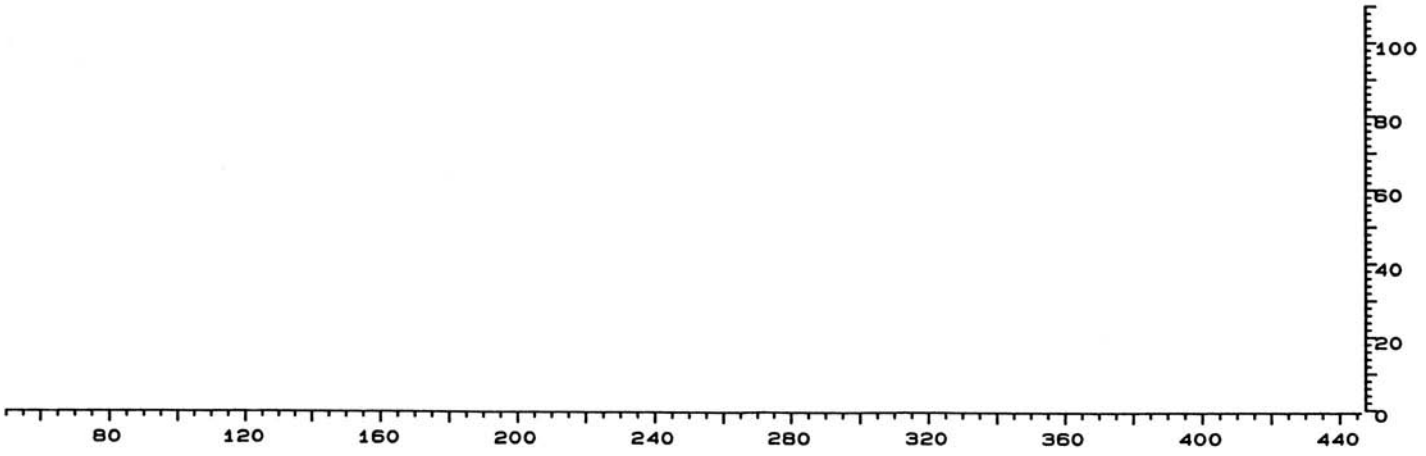
Molecular weight: 469.97 (467.19)
Synonyms: 8-Chloro-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione
compound with 2-(diphenylmethoxy)-N,N-dimethylethanamine (1:1)
Trade names: Dimenhydrinate, Dramamine, Meni-D, Nico-Vert, T-Circ

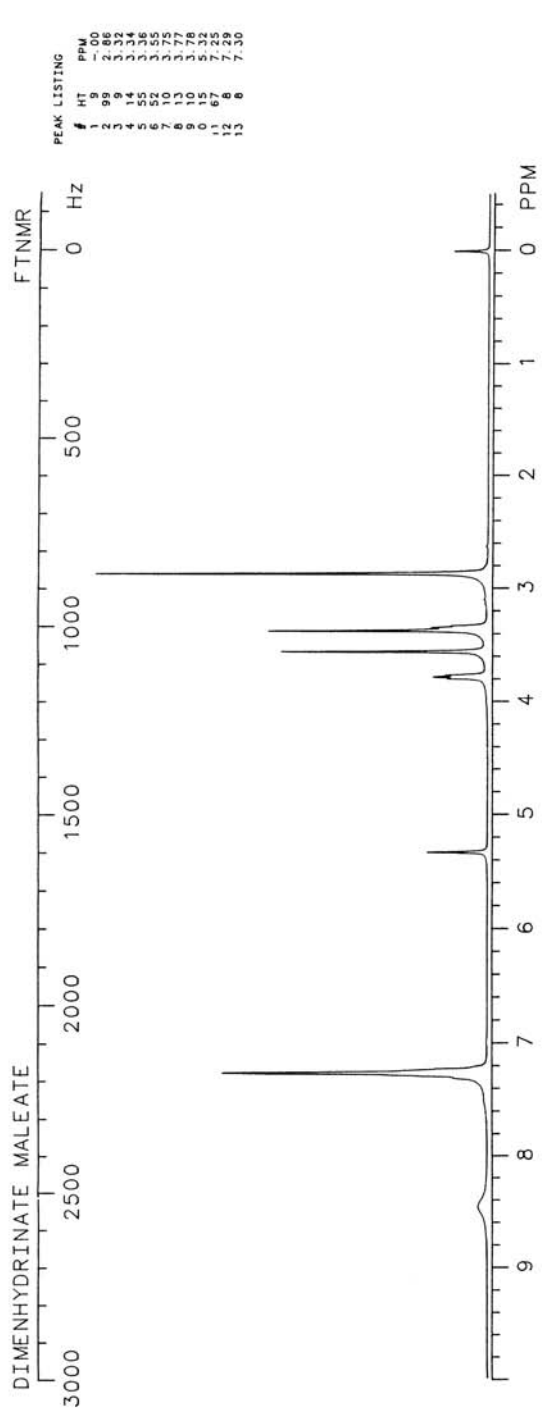
Use: Antinauseant
HPLC:
GC: 1930; 200°C

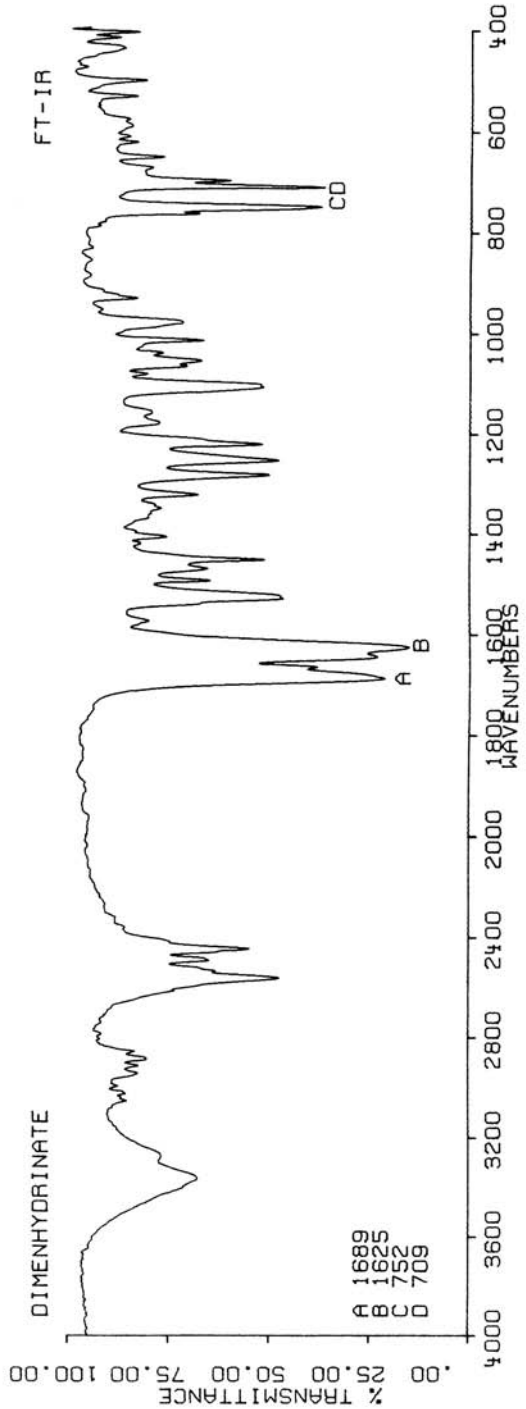




NO USEFUL MASS SPECTRUM WAS OBTAINED




DIMENHYDRINATE MALEATE
FTNMR
PEAK LISTING
HT PPM
1 9 .00
2 99 2.86
3 9 3.32
4 14 3.34
5 55 3.36
6 52 3.55
7 10 3.75
8 13 3.77
9 10 3.78
10 15 5.32
11 67 7.25
12 8 7.29
13 8 7.30
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


DIMENHYDRINATE
FT-IR
A 1689
B 1625
C 752
D 709
A
B
CD
% 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

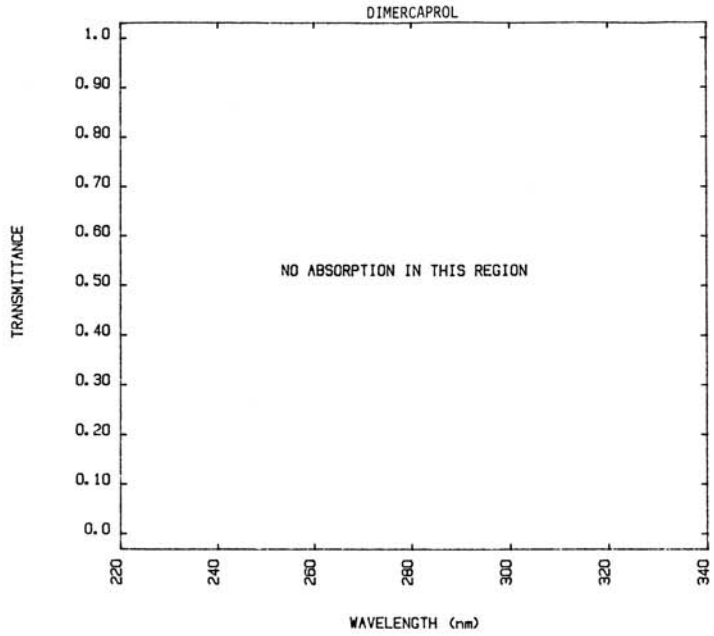
DIMERCAPROL

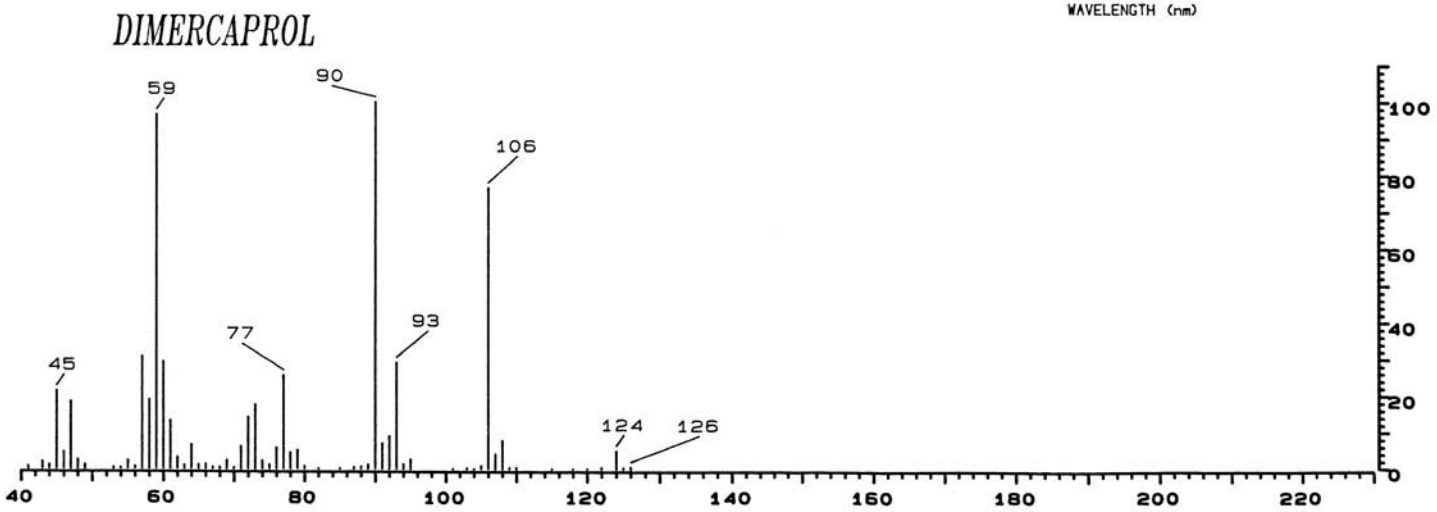
$C_3H_8OS_2$

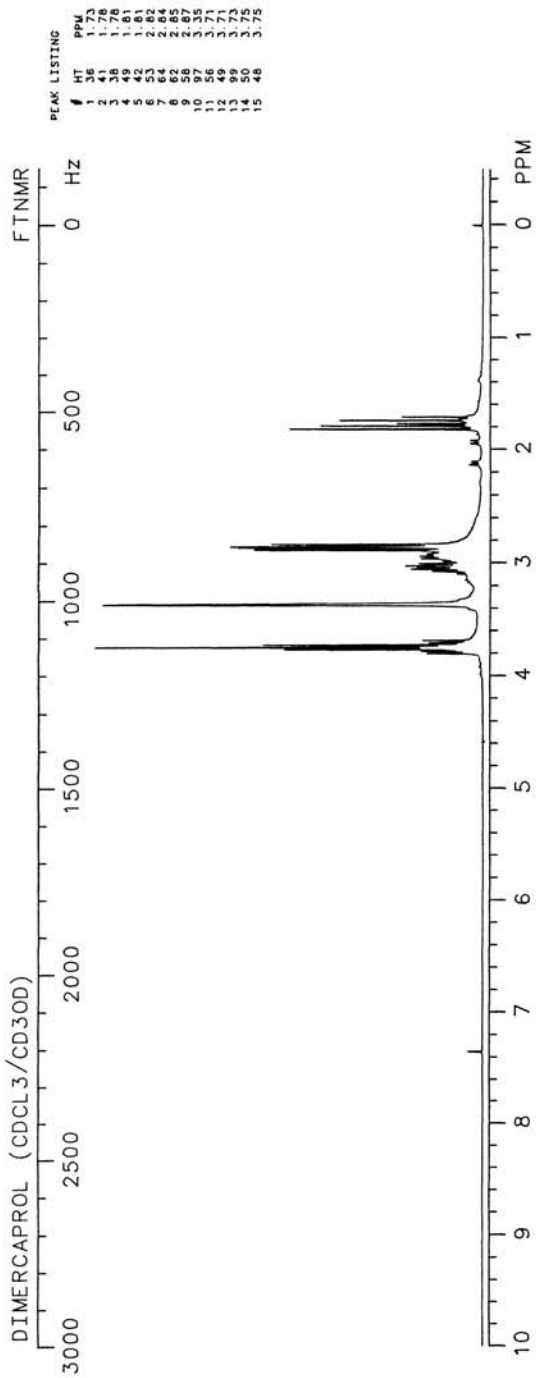
Molecular weight: 124.21 (124.00)
Synonyms: 2,3-Dimercapto-1-propanol; 1,2-dithioglycerol;
British Anti-Lewisite; BAL
Trade names: Dicaptol, BAL in Oil, Sulfactin

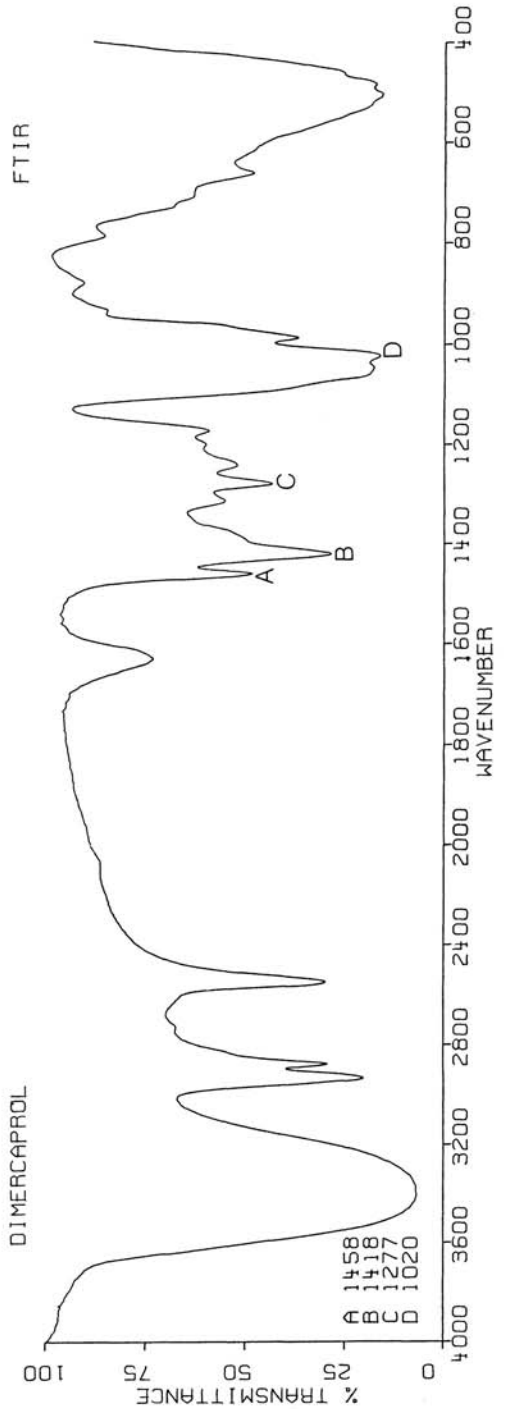
Use: Antidote to arsenic, gold, and mercury poisoning
HPLC:
GC:

CH_2=SH—CH=SH—CH_2—OH






DIMERCAPROL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 36 1.73
2 41 1.76
3 38 1.78
4 49 1.81
5 42 1.81
6 53 2.82
7 64 2.84
8 62 2.85
9 58 2.87
10 55 3.35
11 56 3.71
12 49 3.71
13 99 3.73
14 50 3.75
15 48 3.75
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

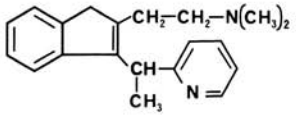

DIMERCAPROL
FTIR
A 1458
B 1418
C 1277
D 1020
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

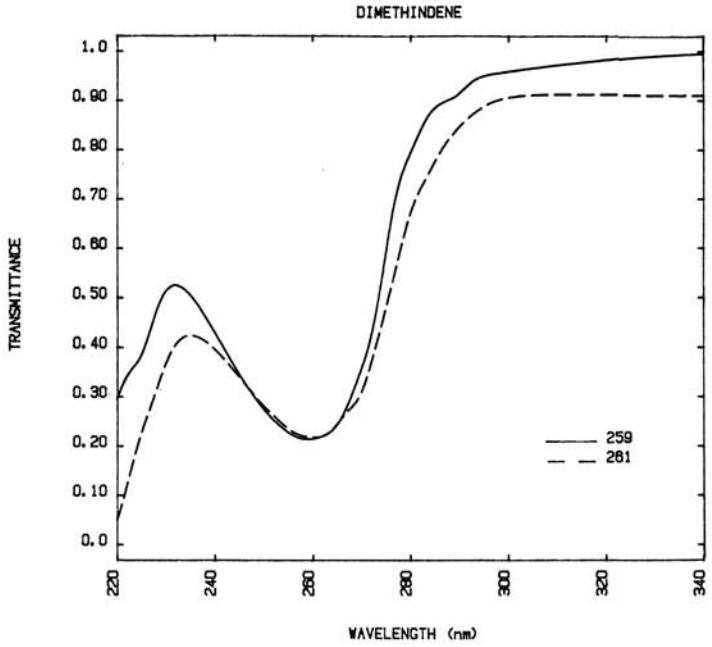
DIMETHINDENE

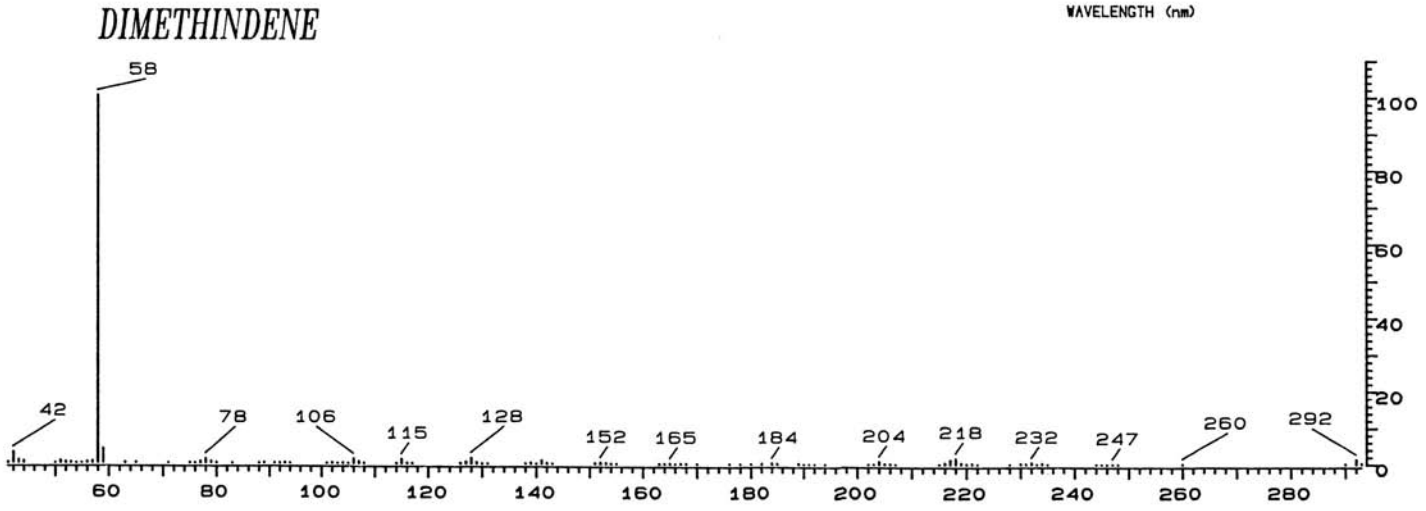
$C_{20}H_{24}N_2$

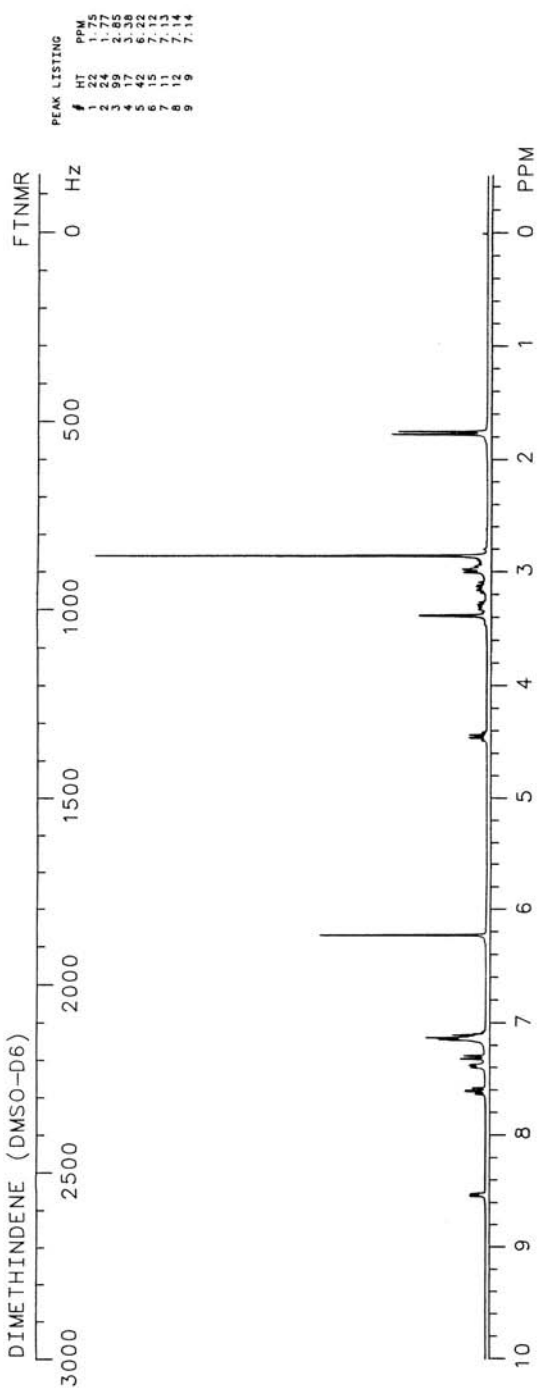
Molecular weight: 292.43 (292.19)
Synonyms: N,N-Dimethyl-3-[1-(2-pyridinyl)ethyl]-1H-indene-2-ethanamine; dimethpyrindene
Trade names: Triten

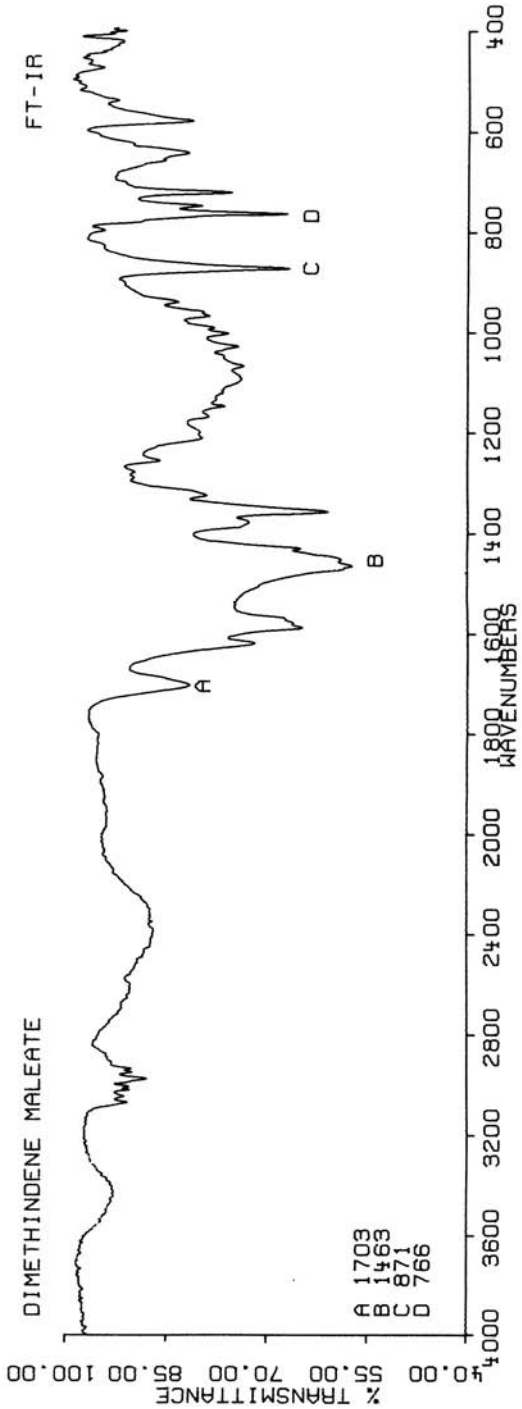
Use: Antihistaminic
HPLC: Si-10; 20A:80B; 4.5
GC: 2317; 250°C







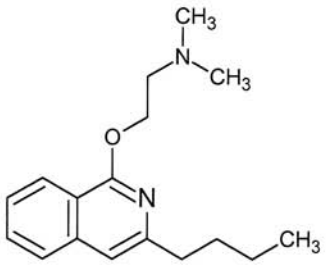

DIMETHINDENE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 22 1.75
2 24 1.77
3 99 2.85
4 17 3.38
5 42 6.22
6 15 7.13
7 11 7.13
8 12 7.14
9 9 7.14
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

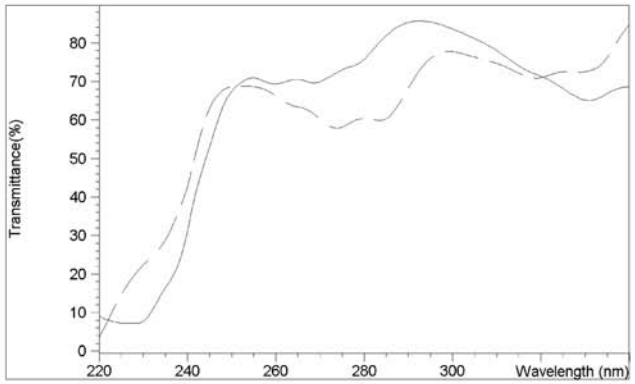

DIMETHINDENE MALEATE
FT-IR
A 1703
B 1463
C 871
D 766
A
B
C D
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

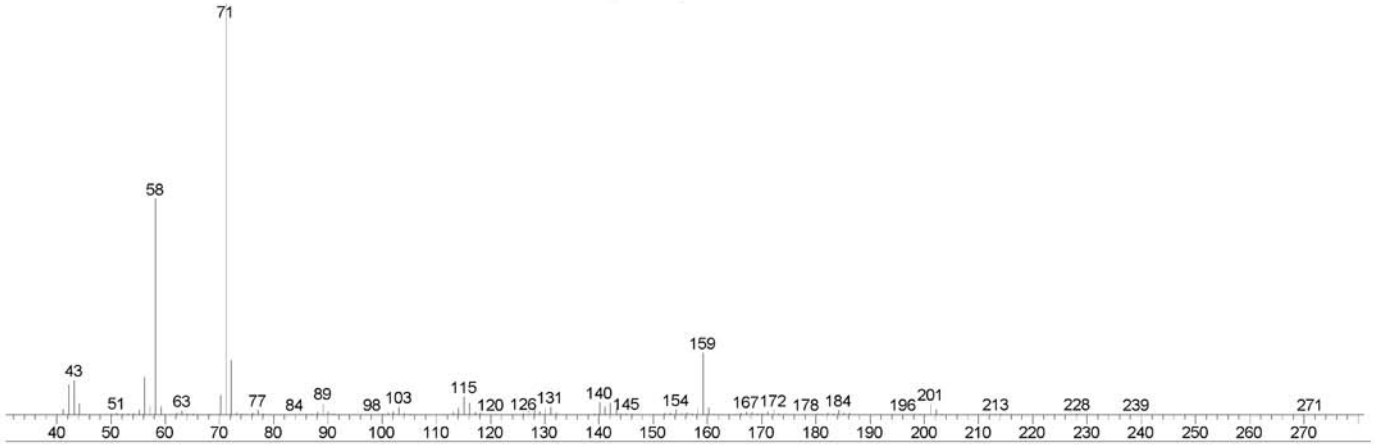
DIMETHISOQUIN

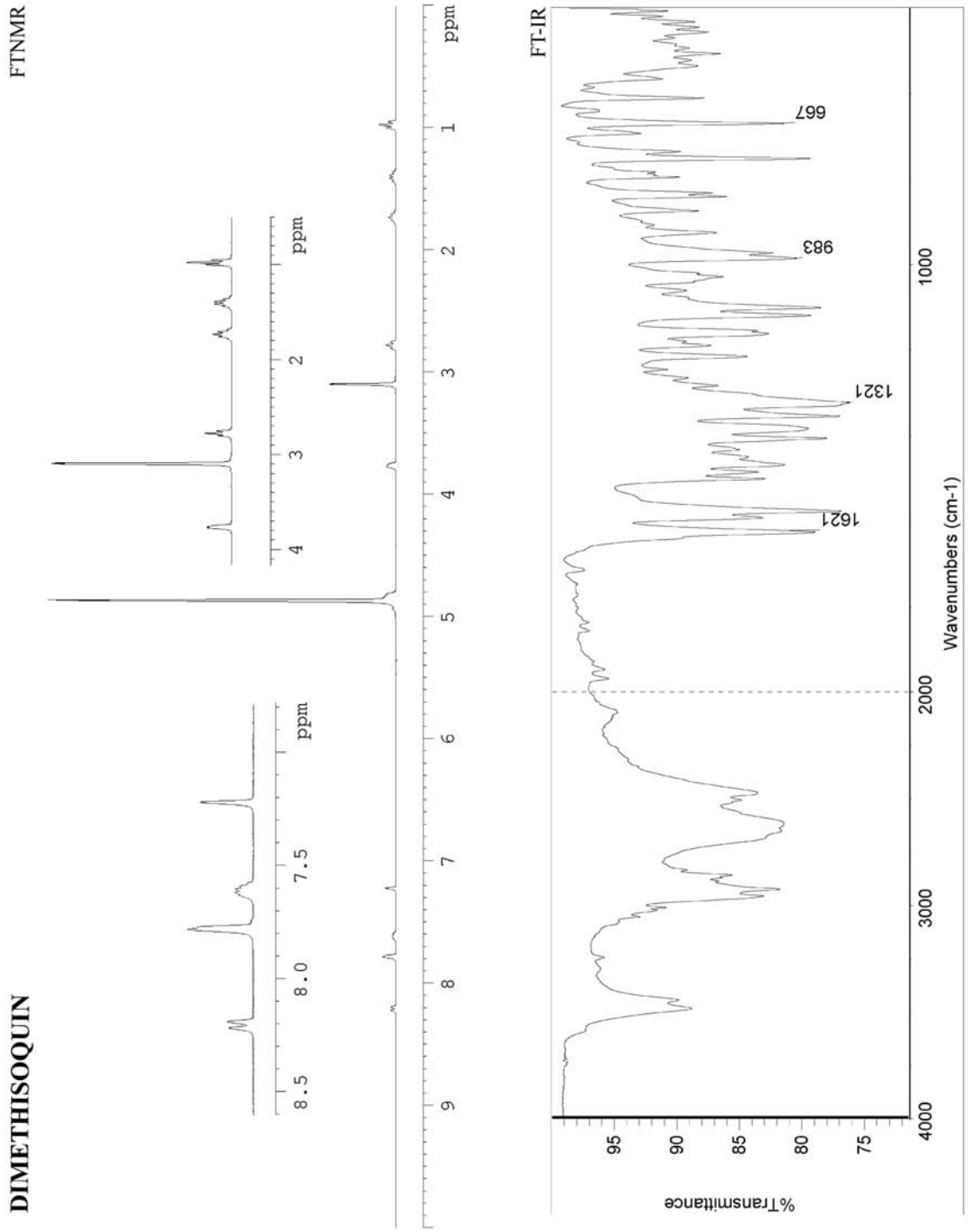
$C_{17}H_{24}N_2O$

Molecular Weight: 272.39 (272.19)
Synonyms: 2-[(3-Butyl-1-isoquinolinyl)oxy]-N,N-dimethylethanamine
Trade names: Isochinol, Pruralgan, Pruralgin, Quotane
Use: Anesthetic (topical)








DIMETHISOQUIN
FTNMR
ppm
FT-IR
667
983
1321
1621
%Transmittance
Wavenumbers (cm-1)

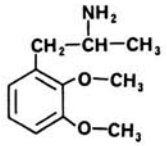
2, 3-DIMETHOXYAMPHETAMINE

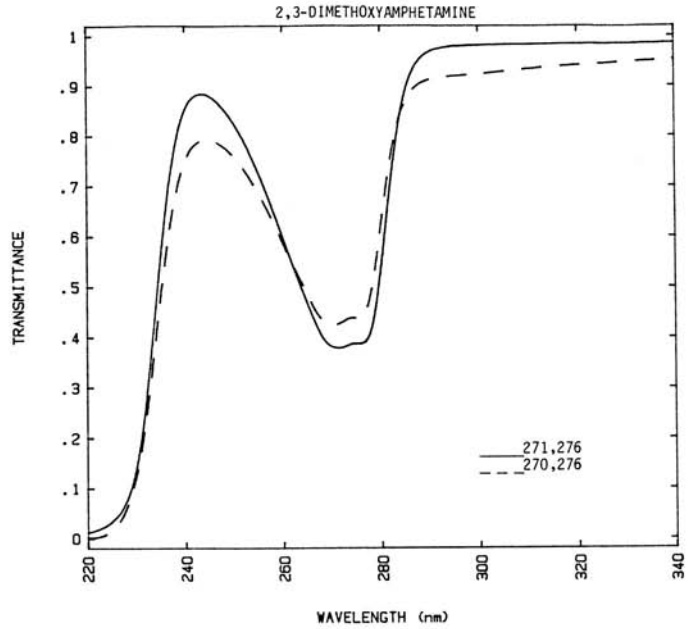
$C_{11}H_{17}NO_2$

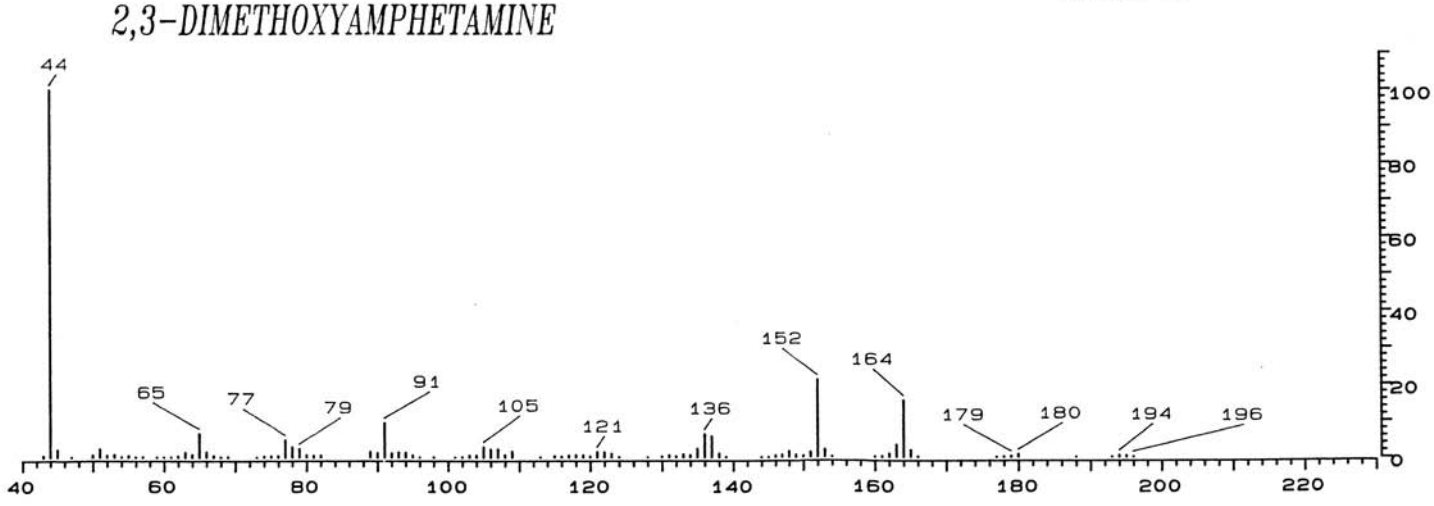
Molecular weight: 195.26 (195.13)
Synonyms: α-Methyl-2,3-dimethoxyphenethylamine

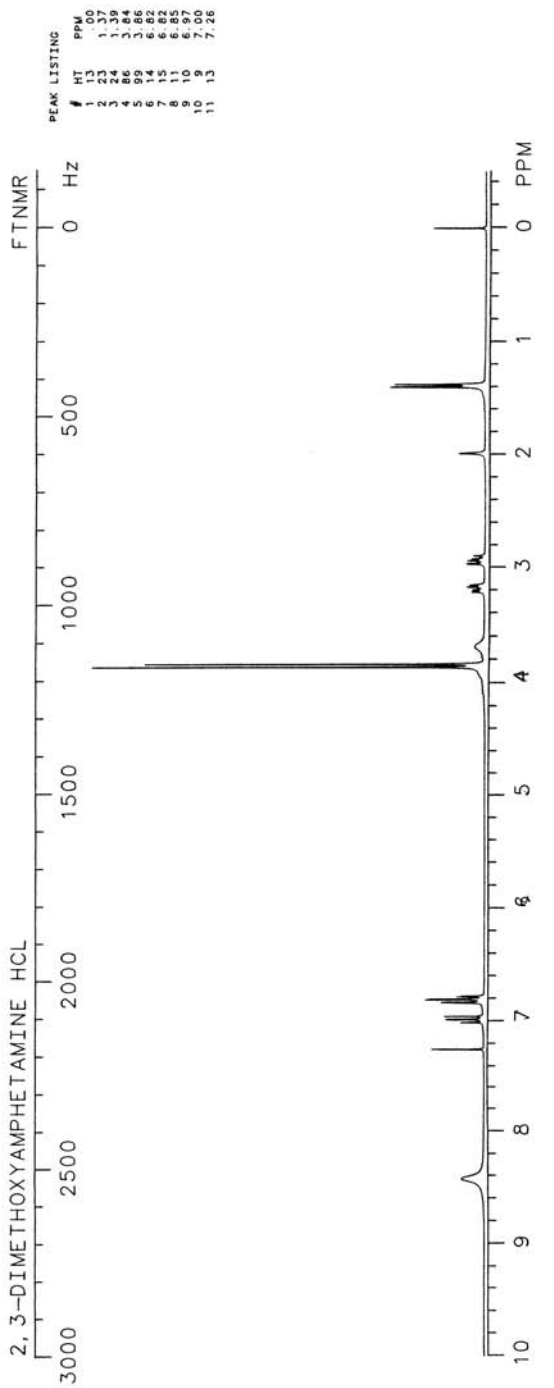
Trade names:

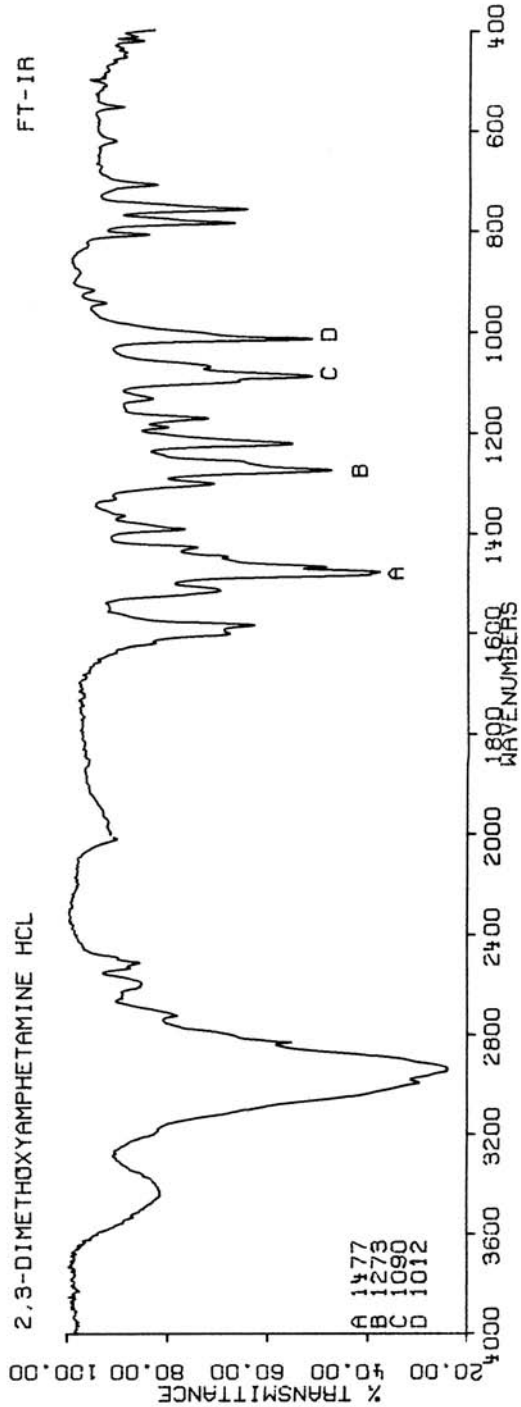
Use: Hallucinogen
HPLC: Si-10; 10A:90B; 4.3
GC: 1449; 200°C








2,3-DIMETHOXYAMPHETAMINE 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 13 .00
2 23 1.37
3 24 1.39
4 86 3.84
5 99 3.86
6 14 6.82
7 15 6.82
8 11 6.85
9 10 6.97
10 9 7.00
11 13 7.26


2,3-DIMETHOXYAMPHETAMINE 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 1477
B 1273
C 1090
D 1012

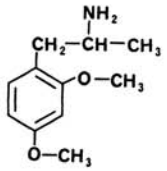
2, 4-DIMETHOXYAMPHETAMINE

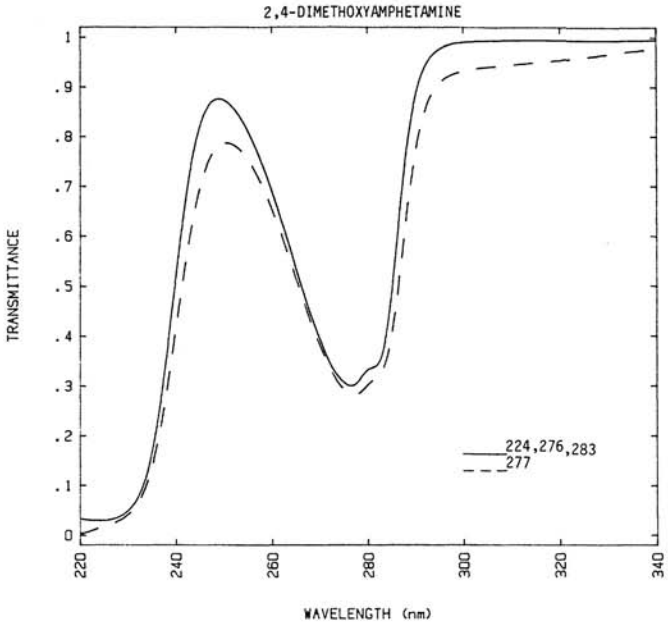
$C_{11}H_{17}NO_2$

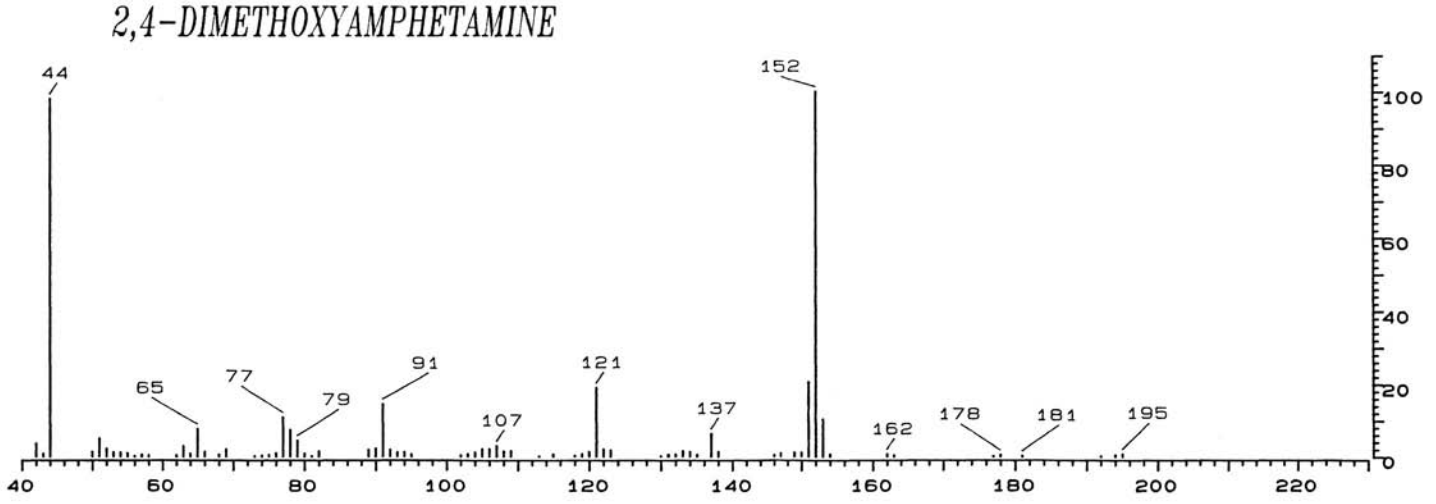
Molecular weight: 195.26 (195.13)
Synonyms: α-Methyl-2,4-dimethoxyphenethylamine

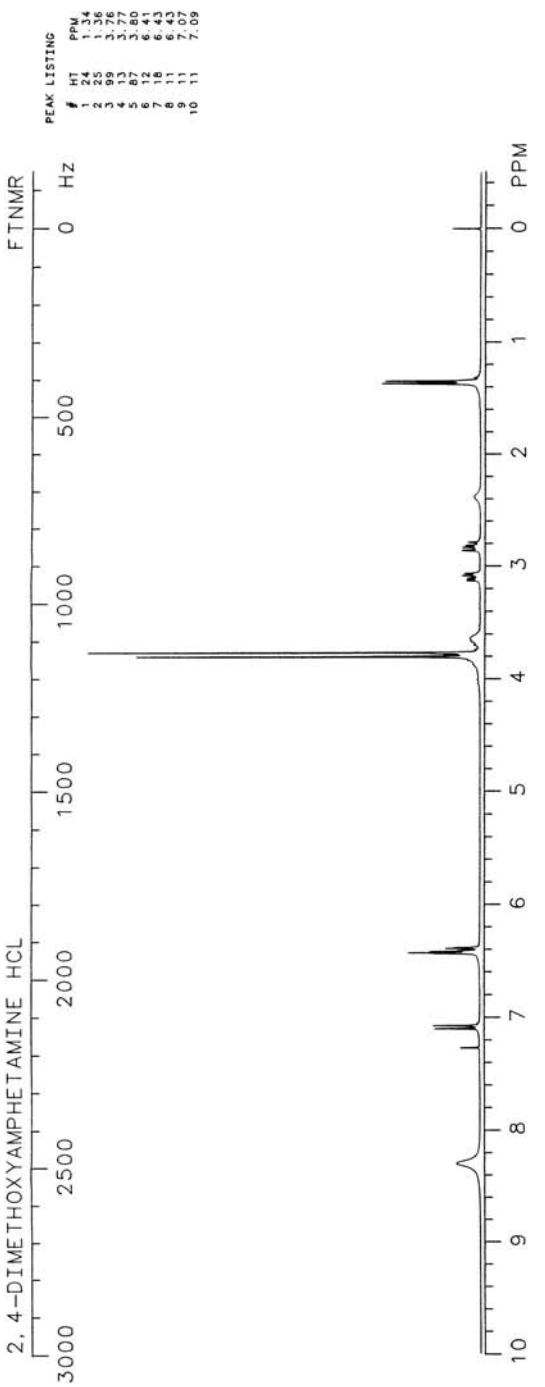
Trade names:

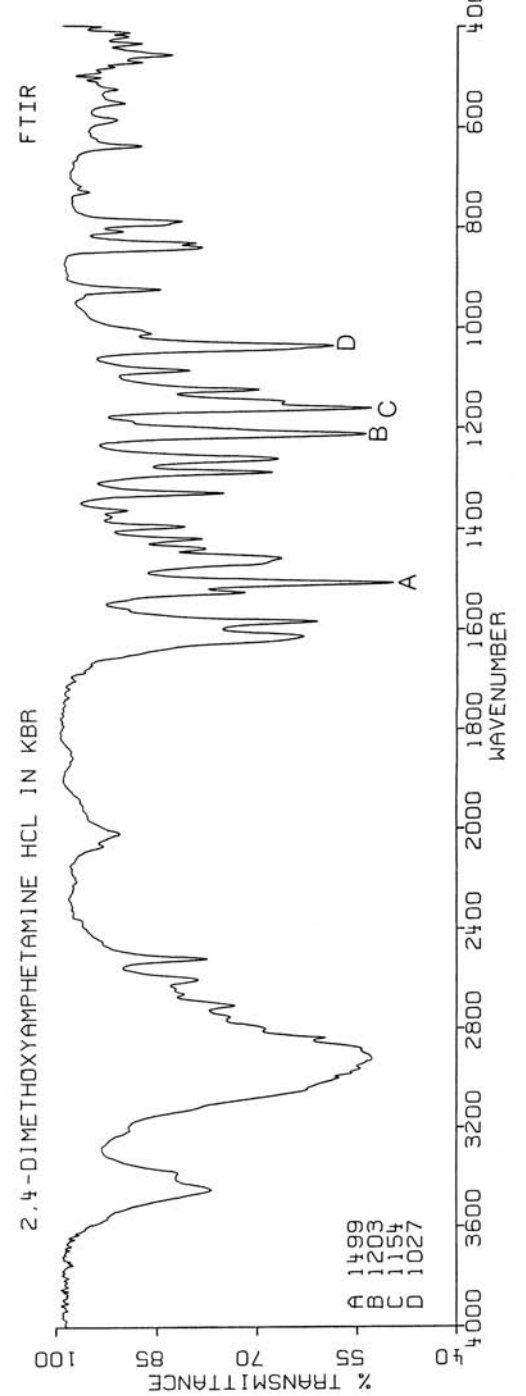
Use: Hallucinogen
HPLC: Si-10; 10A:90B; 5.4
GC: 1551; 200°C








2,4-DIMETHOXYAMPHETAMINE 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 24 1.34
2 25 1.76
3 29 3.76
4 13 3.77
5 87 3.80
6 12 6.41
7 18 6.43
8 11 7.07
9 11 7.07
10 11 7.09


2,4-DIMETHOXYAMPHETAMINE HCL 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
A 1499
B 1203
C 1154
D 1027

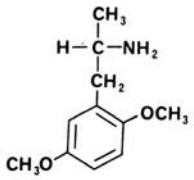
2,5-DIMETHOXYAMPHETAMINE

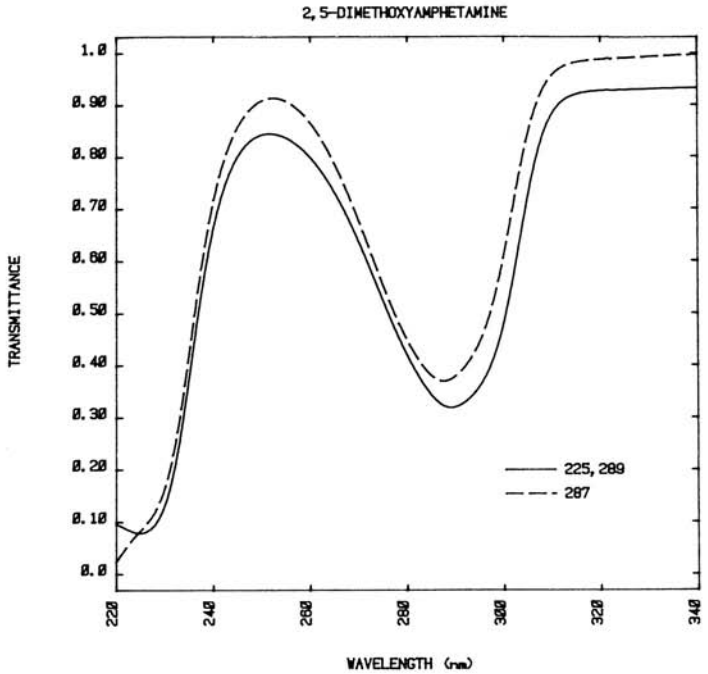
$C_{11}H_{17}NO_2$

Molecular weight: 195.26 (195.13)
Synonyms: 2,5-Dimethoxy-α-methylbenzeneethanamine; 2,5-DMA

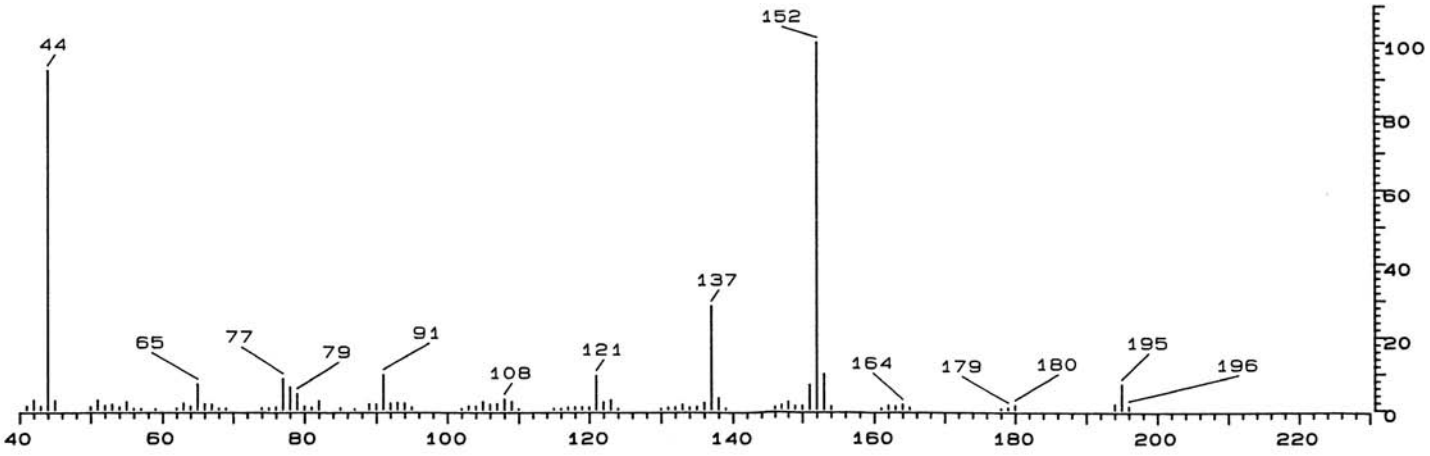
Trade names:

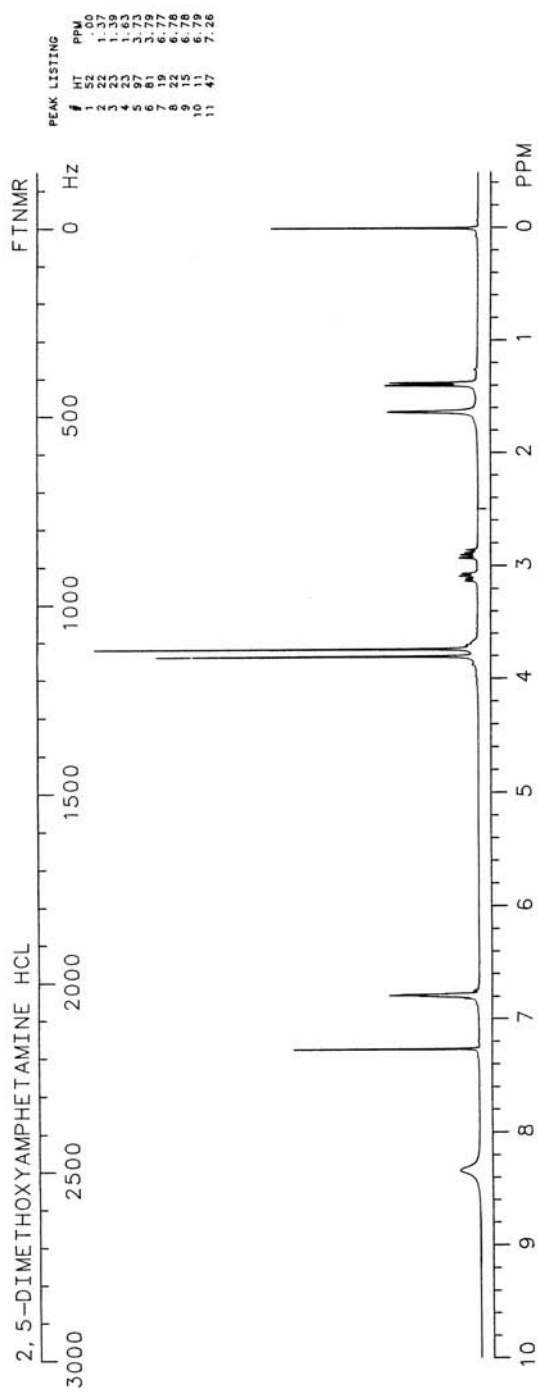
Use: Hallucinogen
HPLC: Si-10; 20A:80B; 5.4
GC: 1576; 200°C

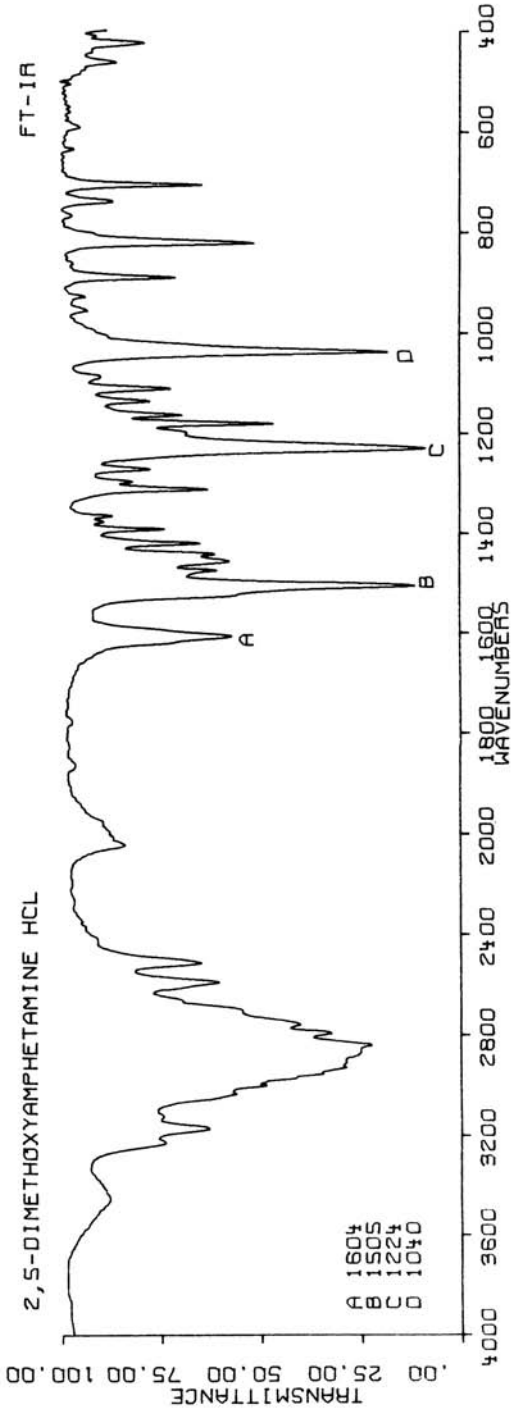




2,5-DIMETHOXYAMPHETAMINE




FTNMR
2,5-DIMETHOXYAMPHETAMINE HCL
PEAK LISTING
HT PPM
1 52 1.00
2 22 1.37
3 23 1.39
4 23 1.63
5 97 3.73
6 61 3.79
7 19 6.77
8 22 6.78
9 15 6.78
10 11 6.79
11 47 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
2,5-DIMETHOXYAMPHETAMINE HCL
A 1604
B 1505
C 1224
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

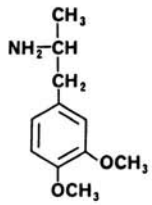
3, 4-DIMETHOXYAMPHETAMINE

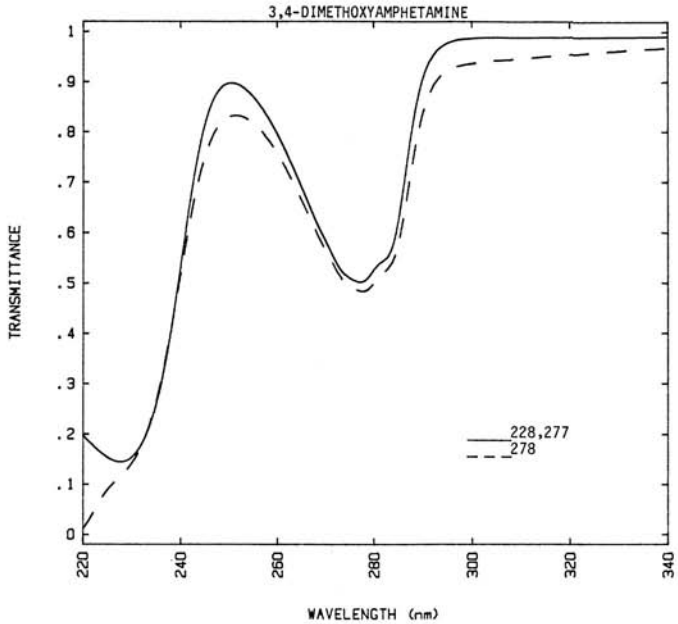
$C_{11}H_{17}NO_2$

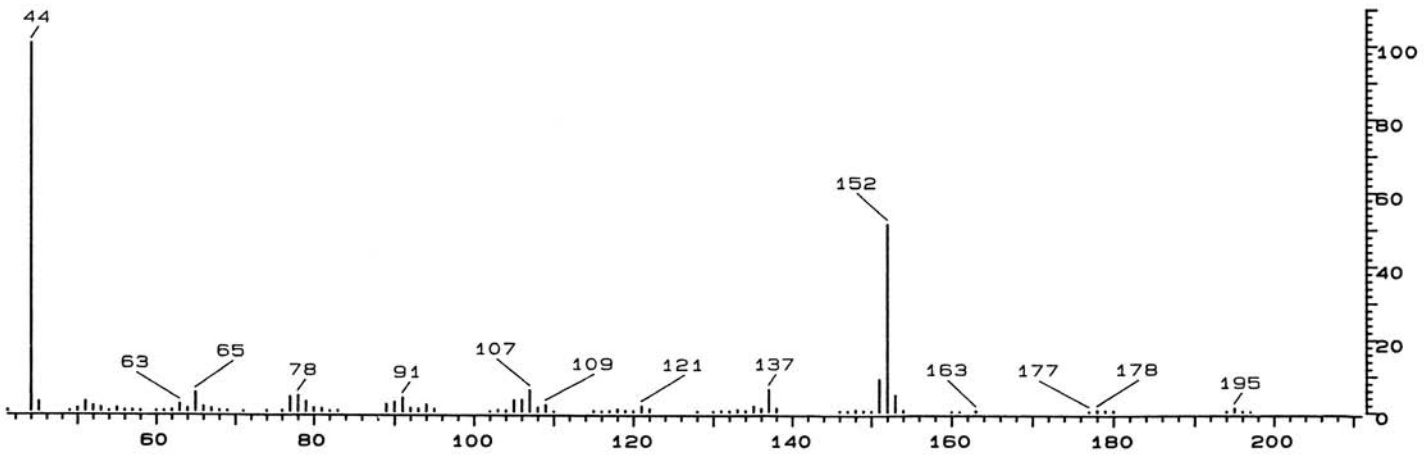
Molecular weight: 195.26 (195.13)
Synonyms: α-Methyl-3,5-dimethoxyphenethylamine

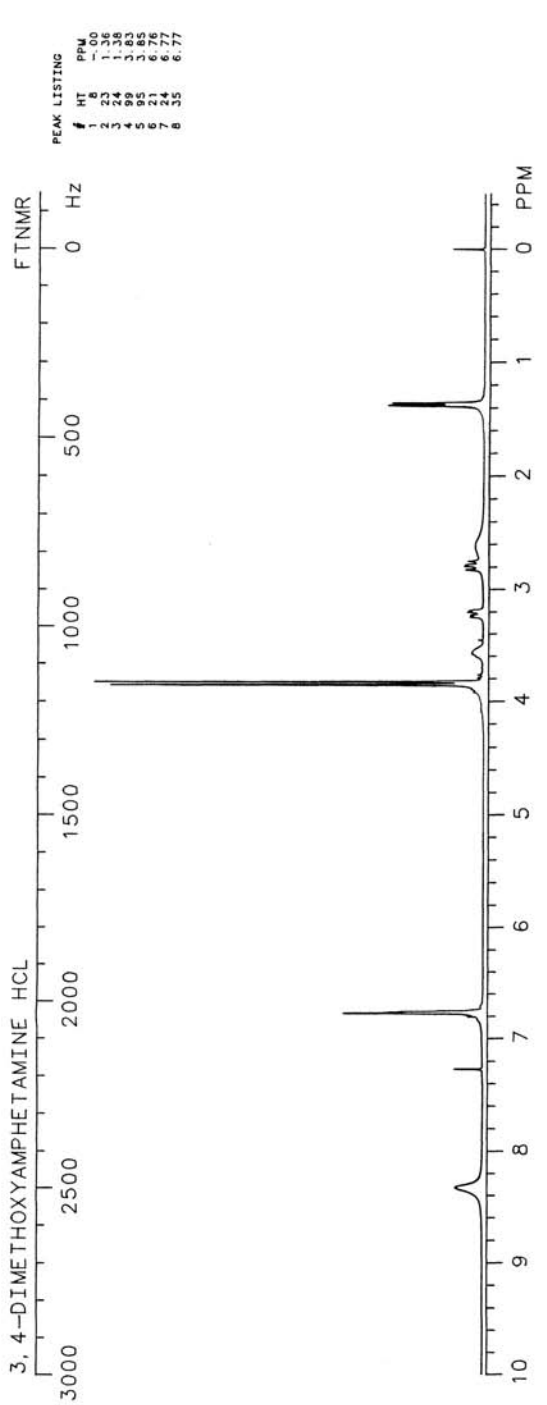
Trade names:

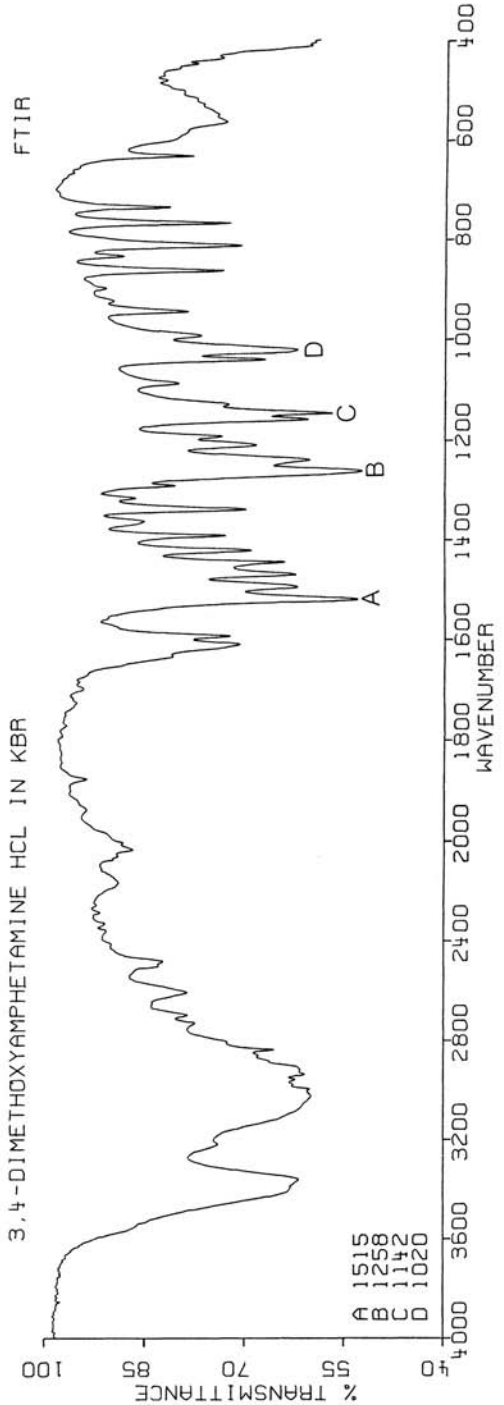
Use: Hallucinogen
HPLC: Si-10; 10A:90B; 3.9
GC: 1538; 200°C








3,4-DIMETHOXYAMPHETAMINE HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 6 1.00
2 23 1.36
3 24 1.38
4 99 3.83
5 95 3.85
6 21 6.76
7 24 6.77
8 35 6.77
10 9 8 7 6 5 4 3 2 1 0 PPM


3,4-DIMETHOXYAMPHETAMINE HCL IN KBR
FTIR
A 1515
B 1258
C 1142
D 1020
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

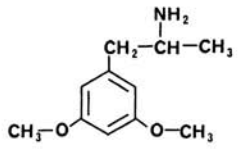
3, 5-DIMETHOXYAMPHETAMINE

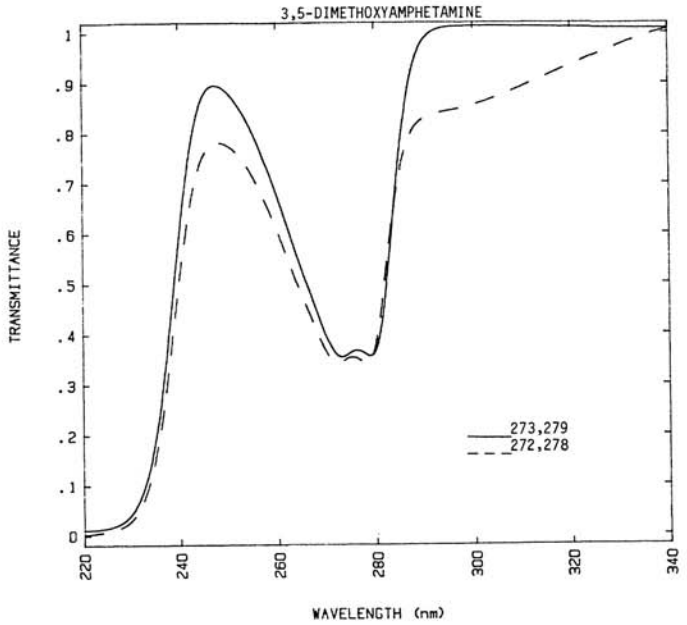
$C_{11}H_{17}NO_2$

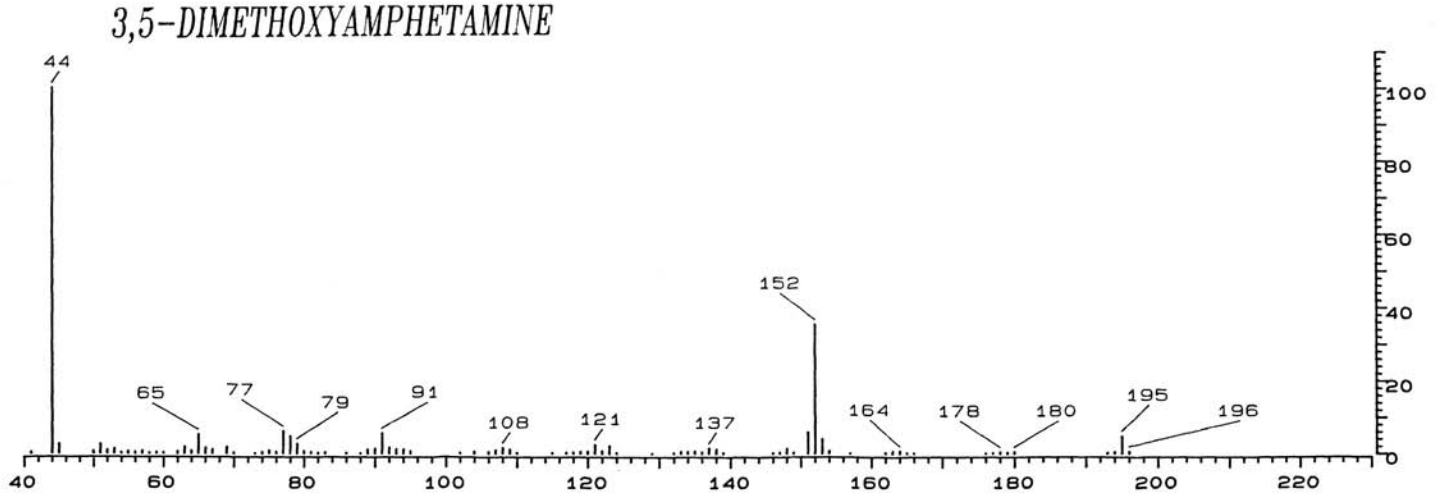
Molecular weight: 195.26 (195.13)
Synonyms: α-Methyl-3,5-dimethylphenethylamine

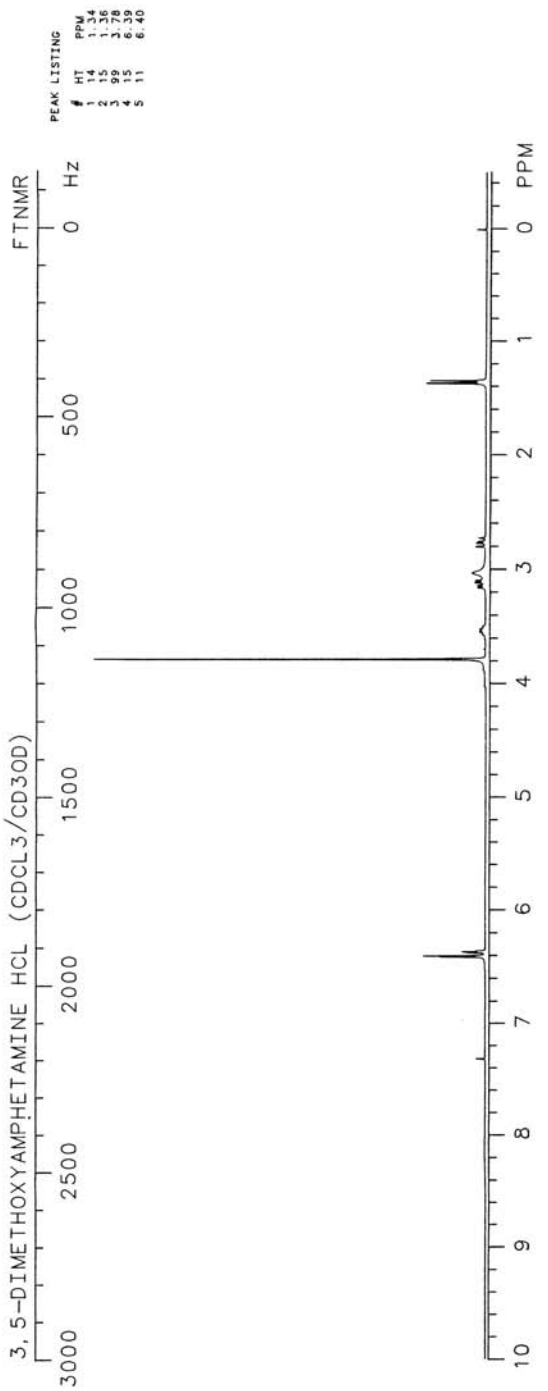
Trade names:

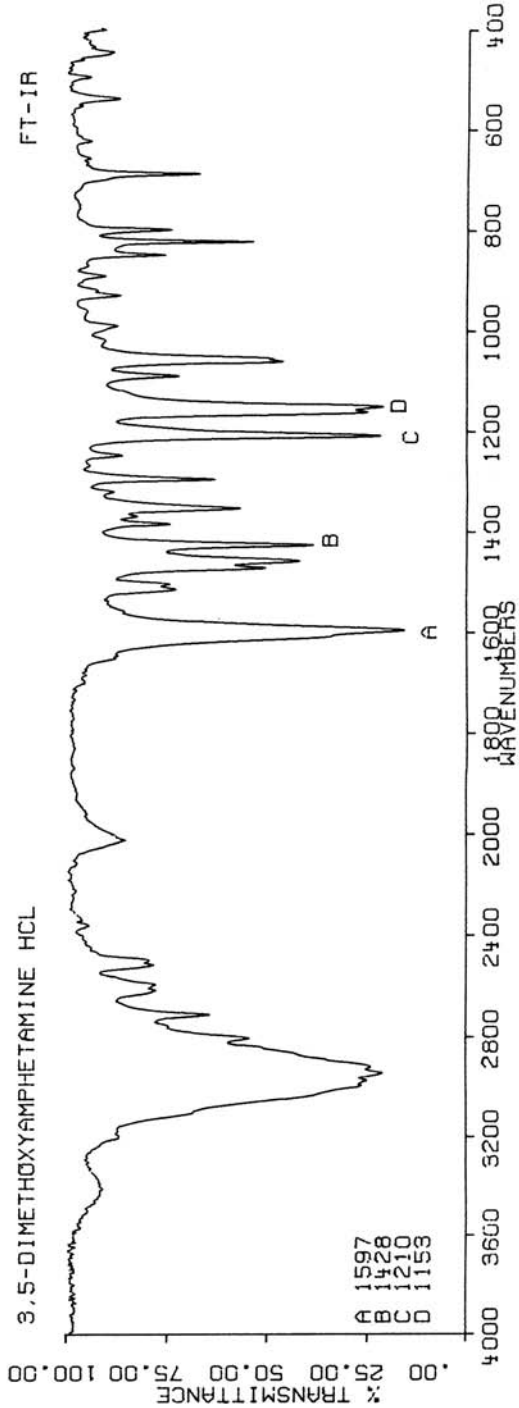
Use: Hallucinogen
HPLC: Si-10; 10A:90B; 3.8
GC: 1600; 200°C








3,5-DIMETHOXYAMPHETAMINE 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 14 1.34
2 15 1.36
3 99 3.78
4 15 6.39
5 11 6.40


3,5-DIMETHOXYAMPHETAMINE 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 1597
B 1428
C 1210
D 1153
A
B
C D

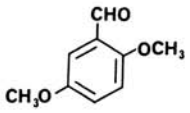
2, 5-DIMETHOXYBENZALDEHYDE

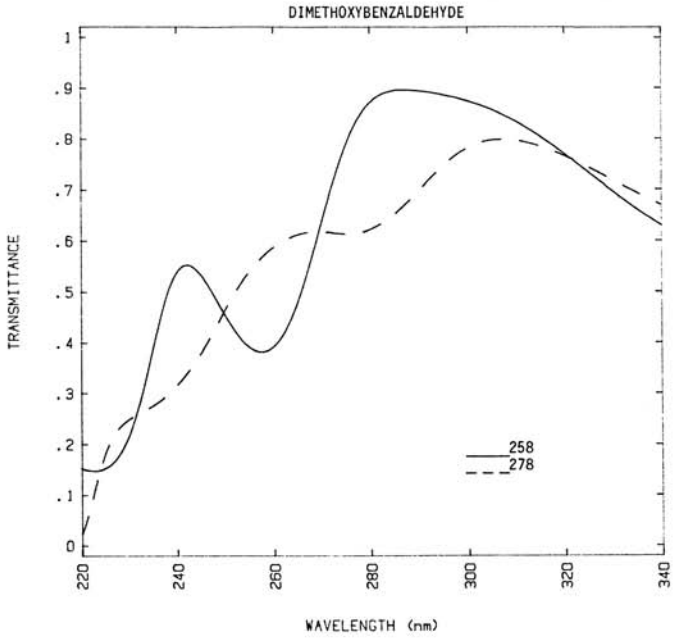
$C_9H_{10}O_3$

Molecular weight: 166.17 (166.06)
Synonyms: 2,5-Dimethoxybenzenecarbonal

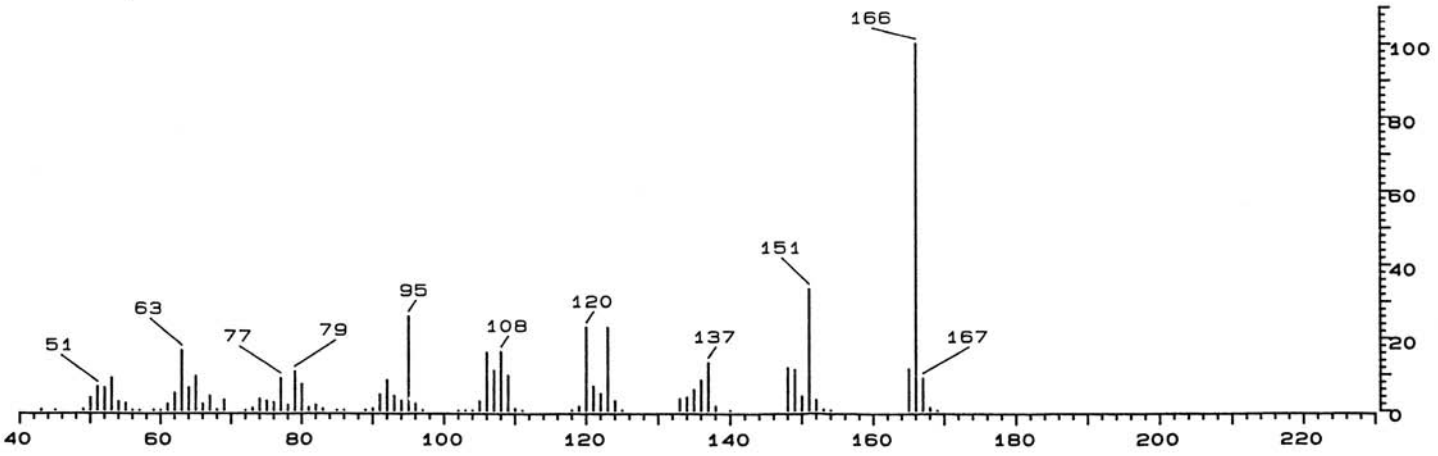
Trade names:

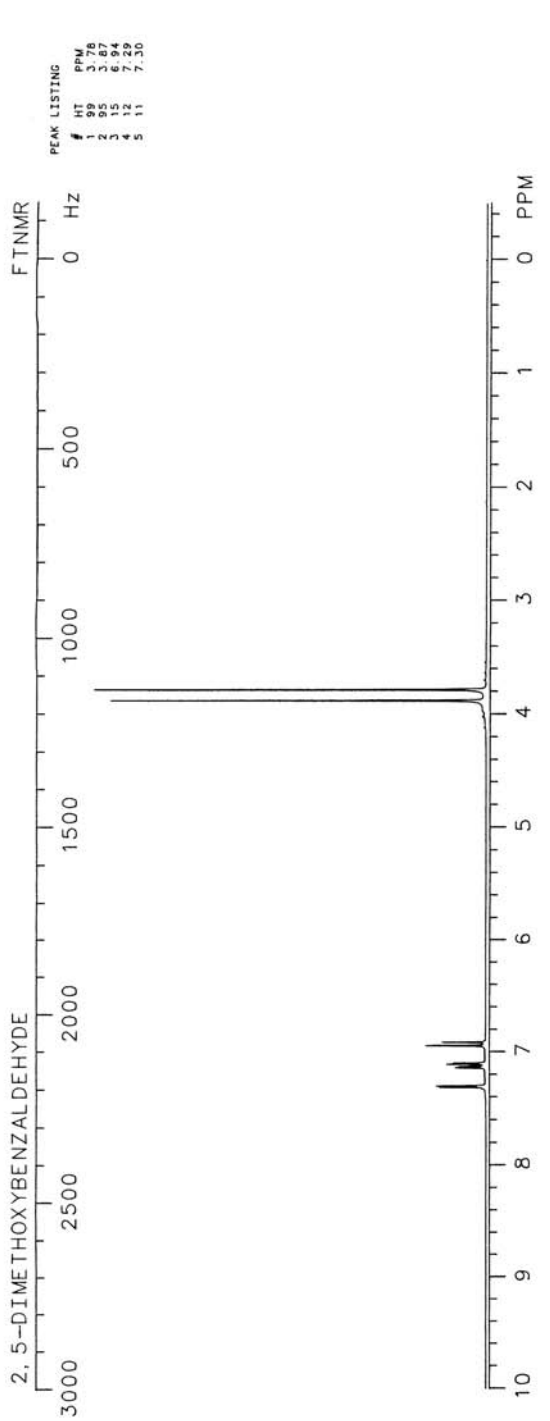
Use: Synthesis
HPLC: Si-10; 20B:80C; 4.2
GC: 1400; 200°C

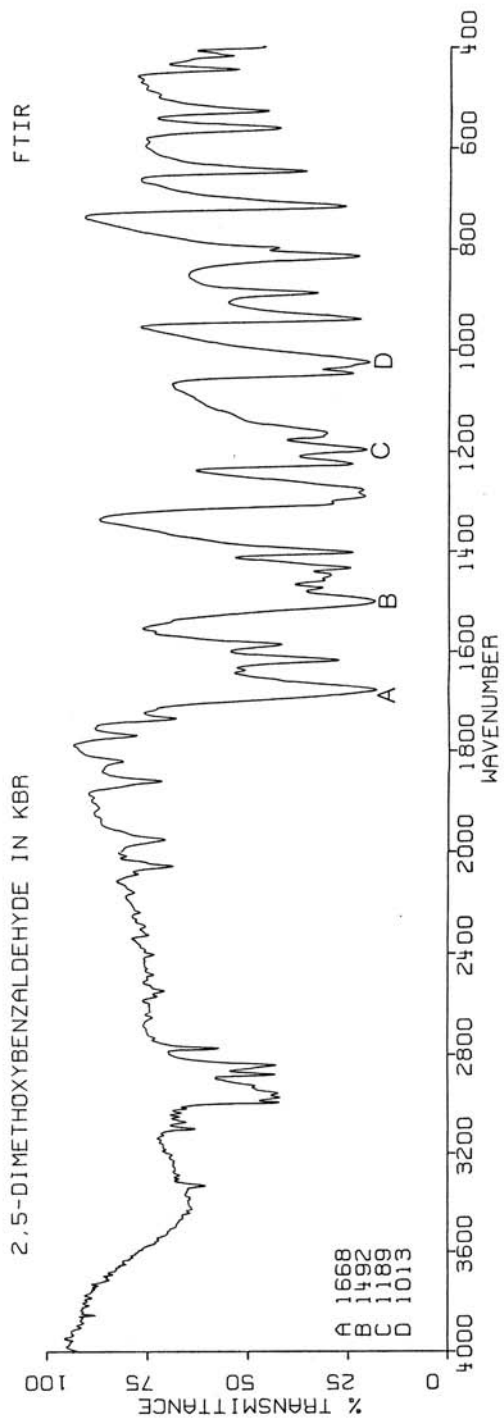




2,5-DIMETHOXYBENZALDEHYDE




2,5-DIMETHOXYBENZALDEHYDE
FTNMR
PEAK LISTING
HT PPM
1 99 3.78
2 95 3.67
3 15 6.94
4 12 7.29
5 11 7.30
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

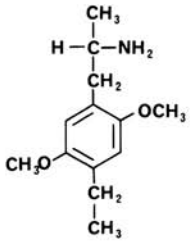

2,5-DIMETHOXYBENZALDEHYDE IN KBR
FTIR
A 1668
B 1492
C 1189
D 1013
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

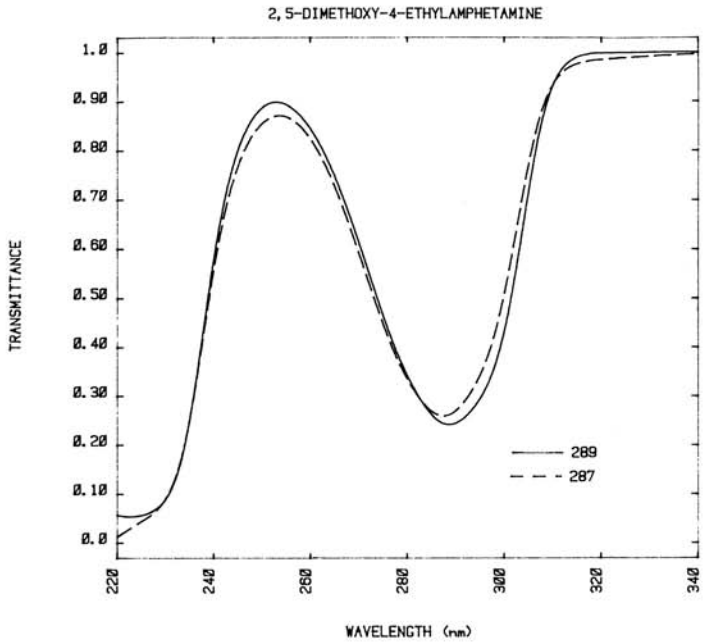
2,5-DIMETHOXY-4-ETHYLAMPHETAMINE

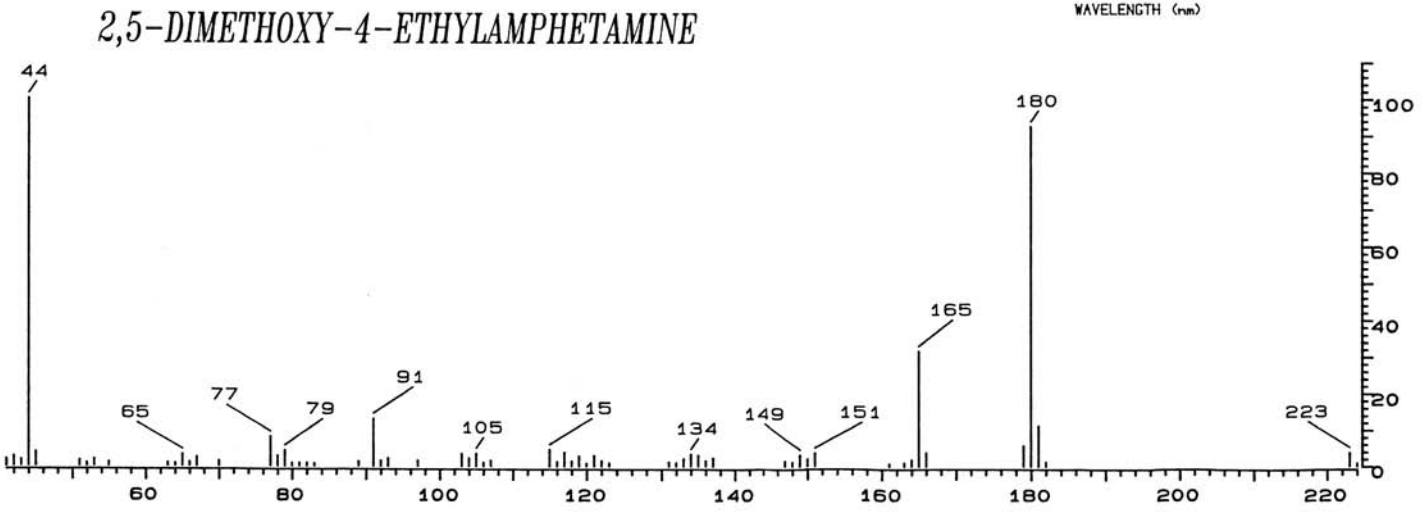
$C_{13}H_{21}NO_2$

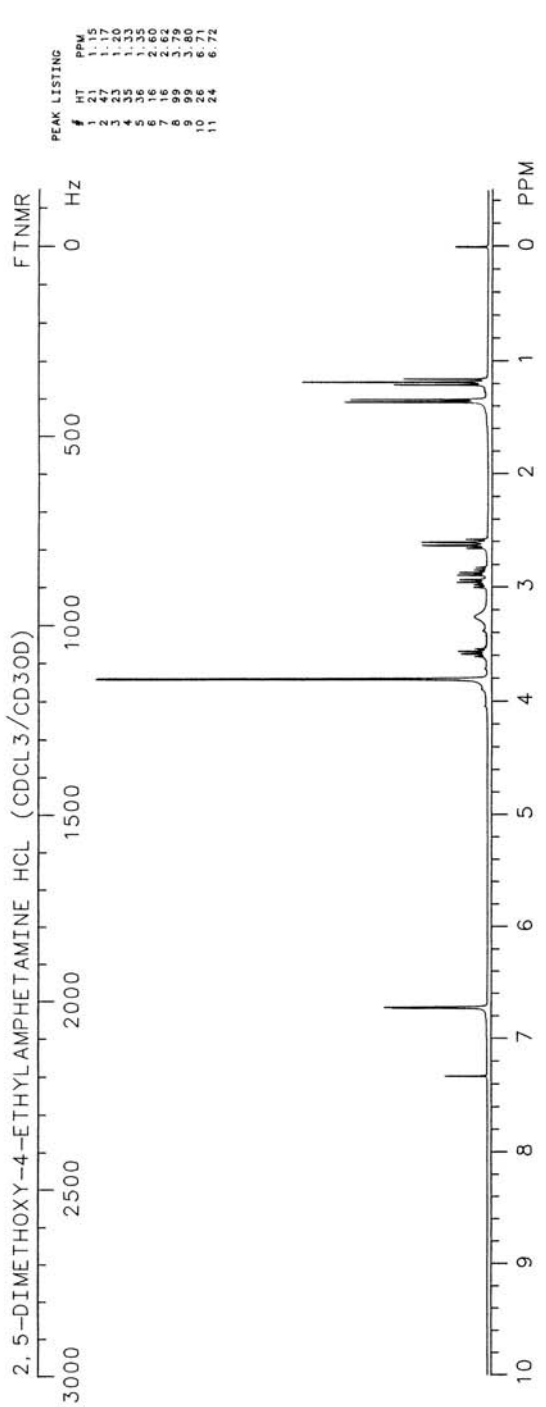
Molecular weight: 223.31 (223.16)
Synonyms: 2,5-Dimethoxy-4-ethyl-α-methylbenzeneethanamine;
2,5-dimethoxy-4-ethyl-α-methylphenethylamine
Trade names:

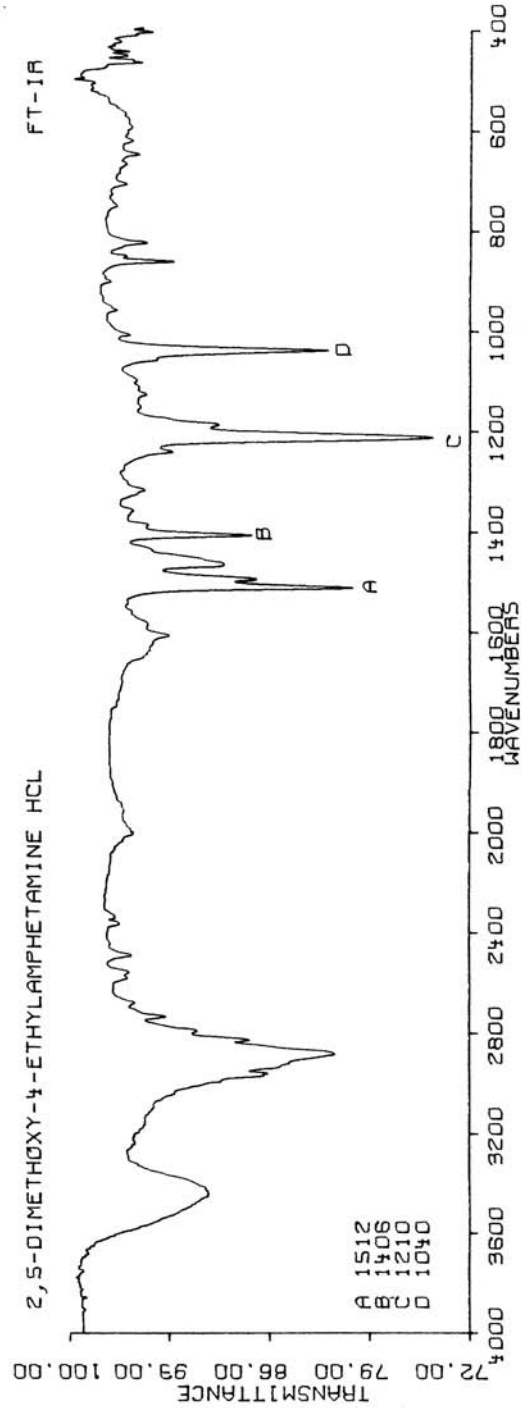
Use: Hallucinogen
HPLC: Si-10; 20A:80B; 5.5
GC: 1669; 200°C







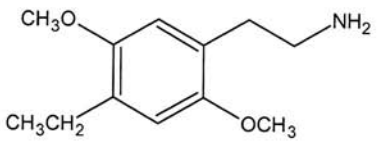

2,5-DIMETHOXY-4-ETHYLAMPHETAMINE HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 27 1.15
2 47 1.17
3 23 1.20
4 35 1.33
5 36 1.35
6 16 2.60
7 16 2.62
8 99 3.79
9 99 3.80
10 26 6.71
11 24 6.72

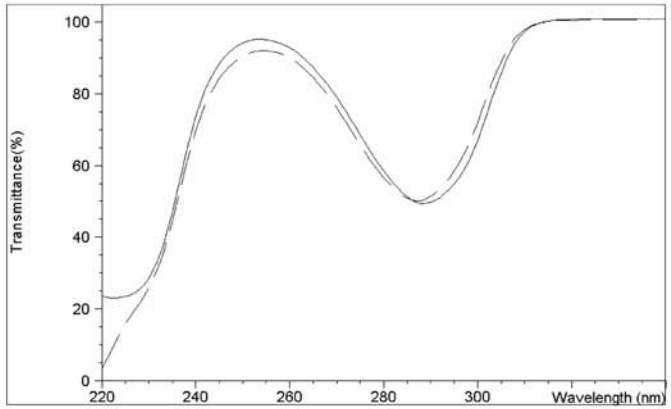

2,5-DIMETHOXY-4-ETHYLAMPHETAMINE HCL
FT-IR
A 1512
B 1406
C 1210
D 1040
A
B
C
D
TRANSMITTANCE
100.00 93.00 86.00 79.00 72.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

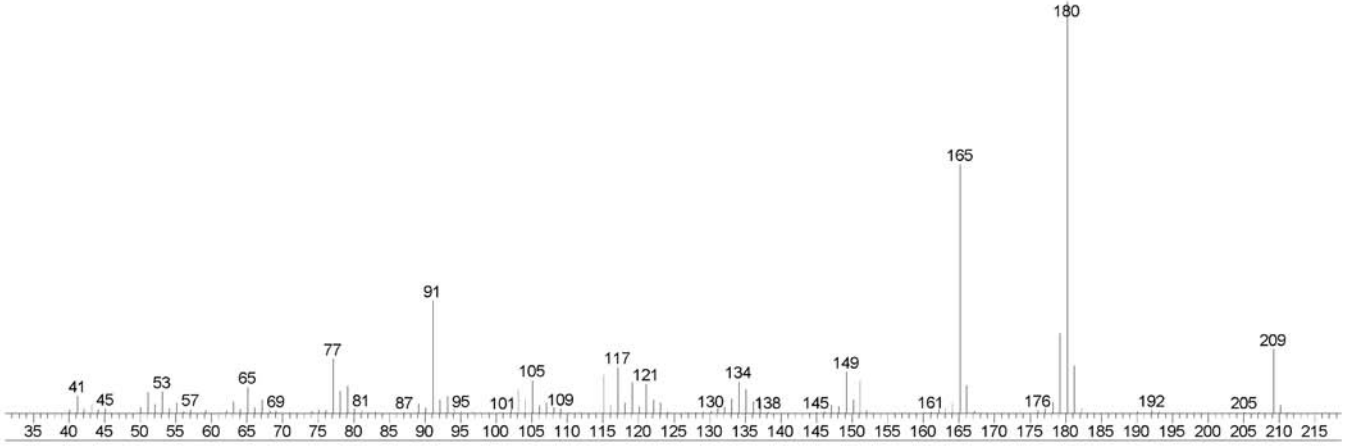
2, 5-DIMETHOXY-4-ETHYLPHENETHYLAMINE

$C_{12}H_{19}N_1O_2$

Molecular Weight: 209.28 (209.14)
Synonyms: 2C-E
Trade names:
Use: psychedelic

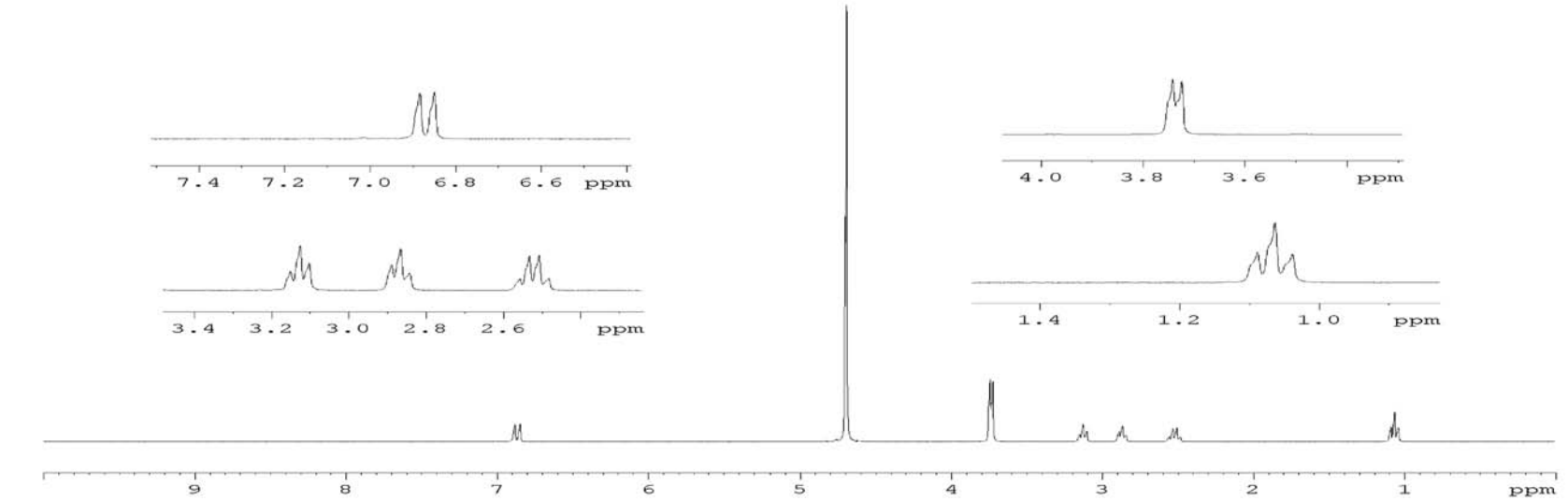




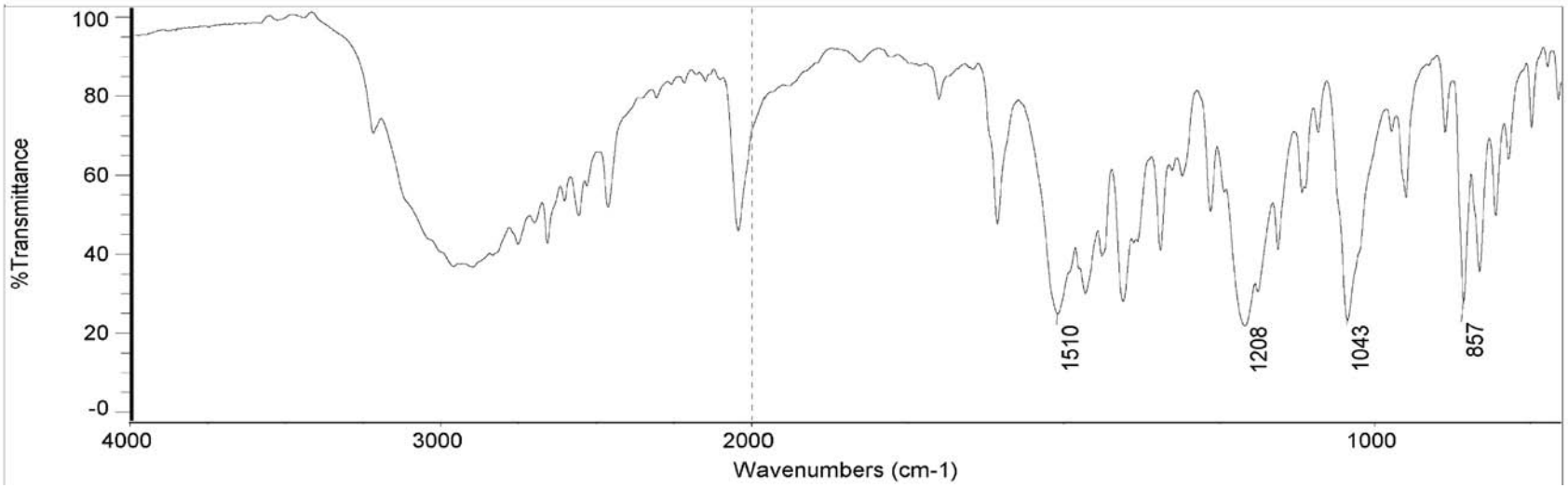


2, 5-DIMETHOXY-4-ETHYLPHENETHYLAMINE

FTNMR



FT-IR

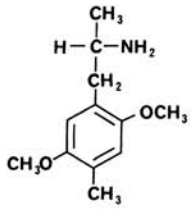


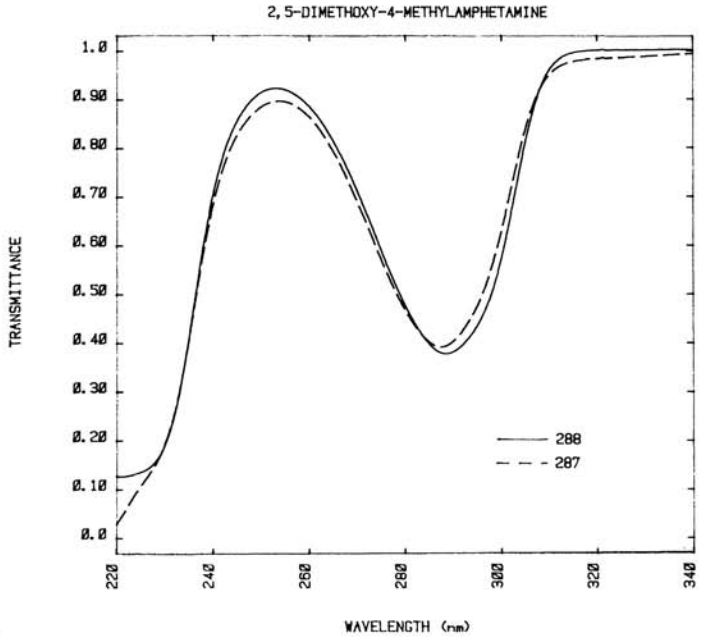
2,5-DIMETHOXY-4-METHYLAMPHETAMINE

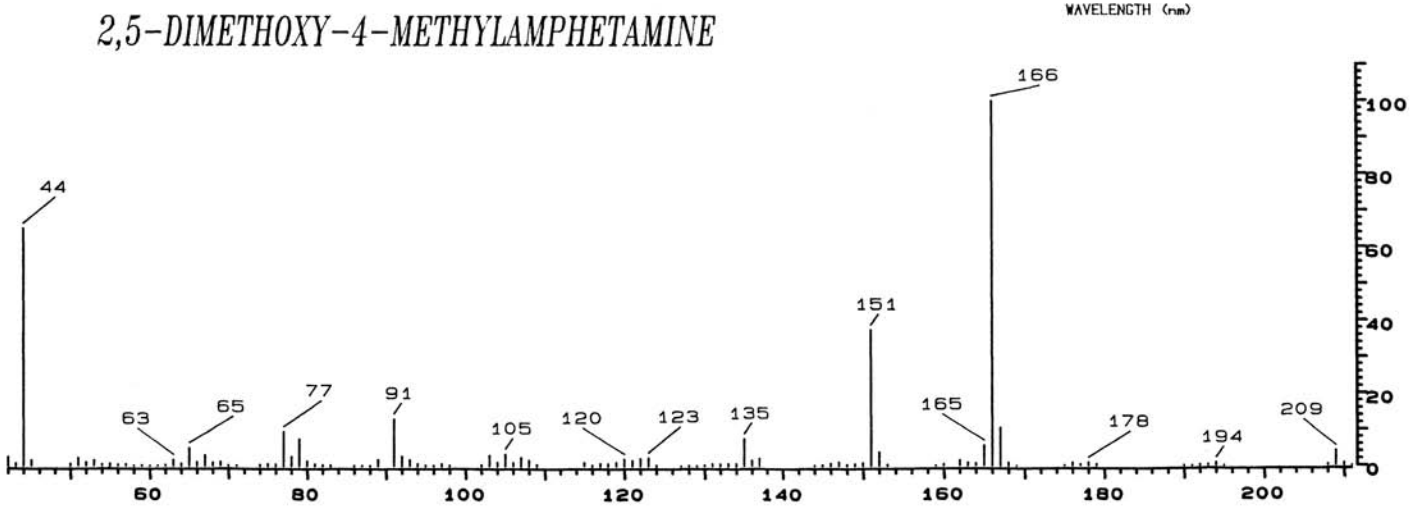
$C_{12}H_{19}NO_2$

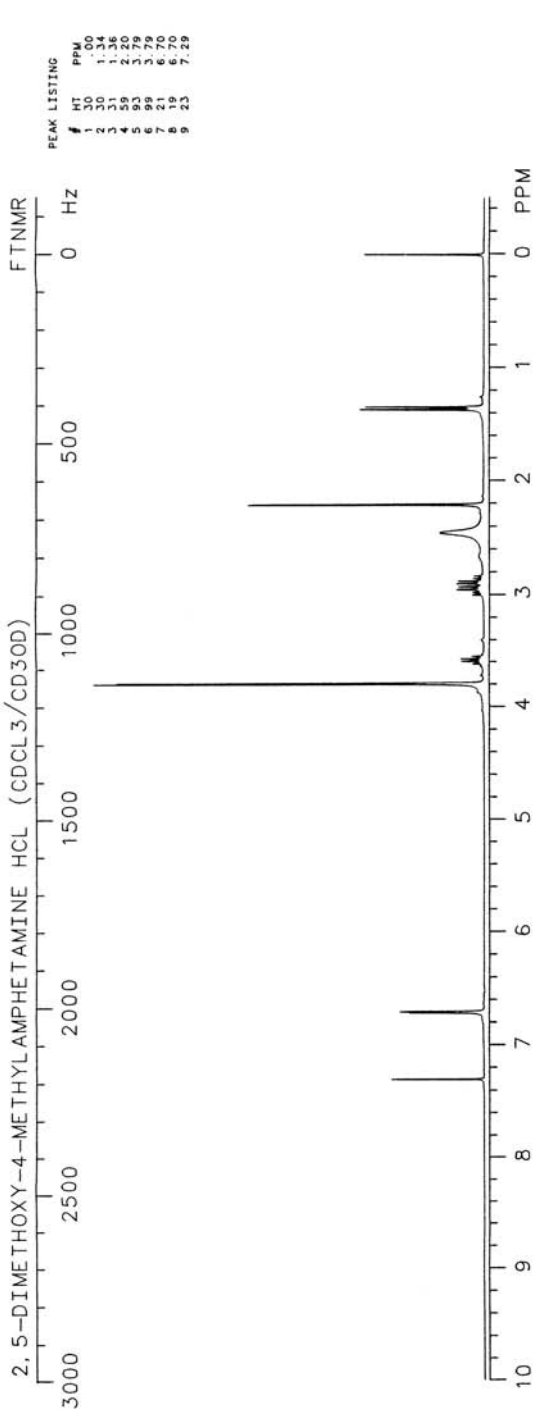
Molecular weight: 209.29 (209.14)
Synonyms: 2,5-Dimethoxy-4-methyl-α-methylbenzeneethanamine; 2,5-dimethoxy-4-methyl-α-methylphenethylamine; STP; DOM
Trade names:

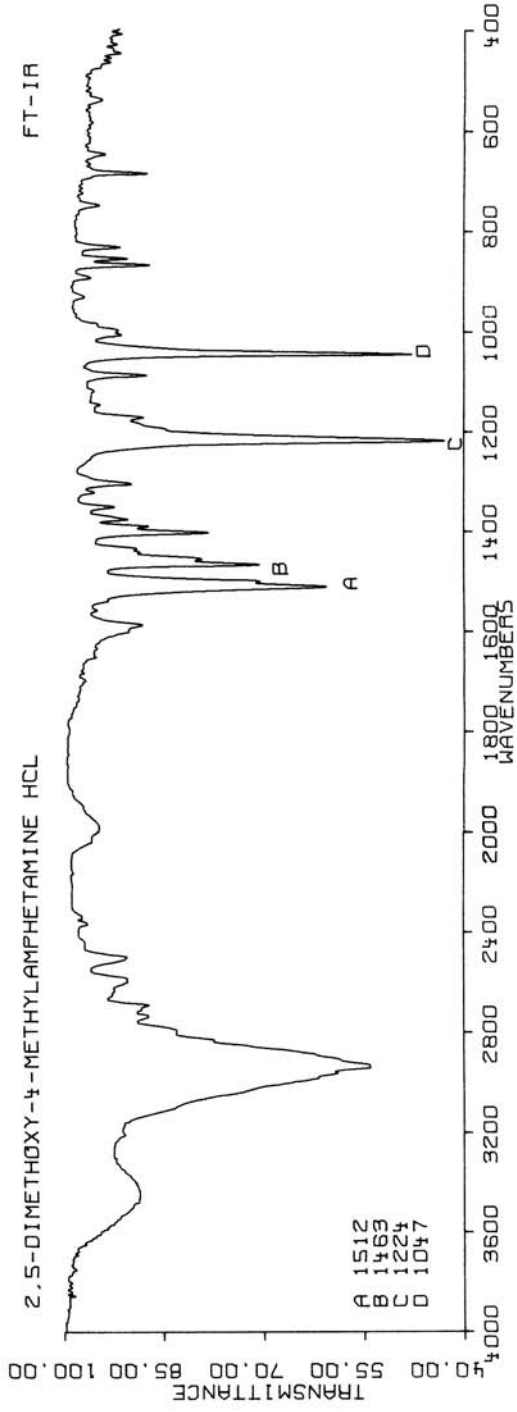
Use: Hallucinogen
HPLC: Si-10; 20A:80B; 5.7
GC: 1619; 200°C







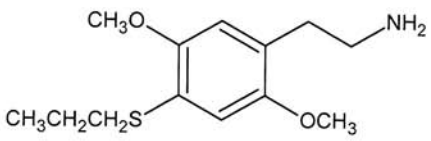

2,5-DIMETHOXY-4-METHYLAMPHETAMINE HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 .30 .00
2 .30 1.34
3 .31 1.36
4 .59 2.20
5 .93 3.79
6 .99 3.79
7 .21 6.70
8 .19 6.70
9 .23 7.29
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

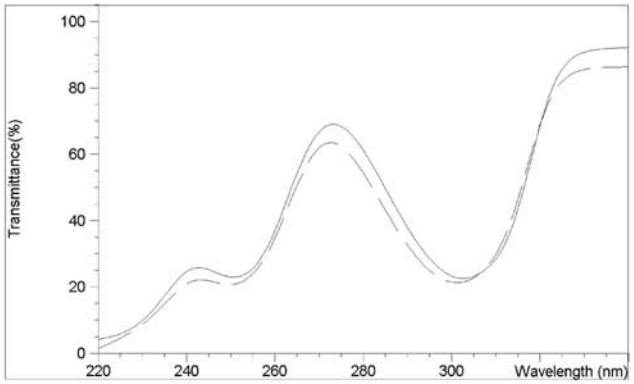

2,5-DIMETHOXY-4-METHYLAMPHETAMINE HCL
FT-IR
A 1512
B 1463
C 1224
D 1047
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

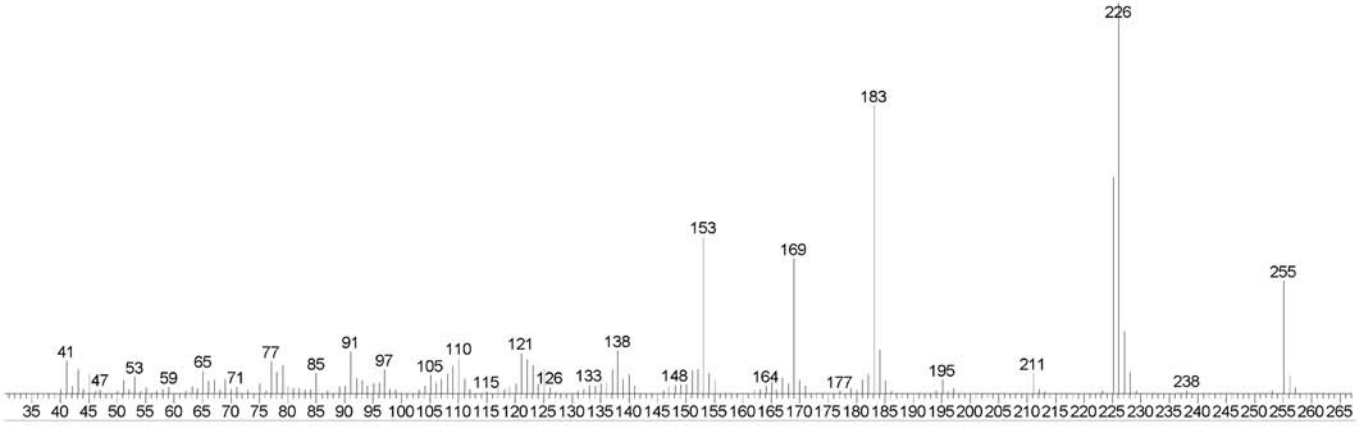
2, 5-DIMETHOXY-4-(N)-PROPYLTHIOPHENETHYLAMINE

$C_{13}H_{21}NO_2S$

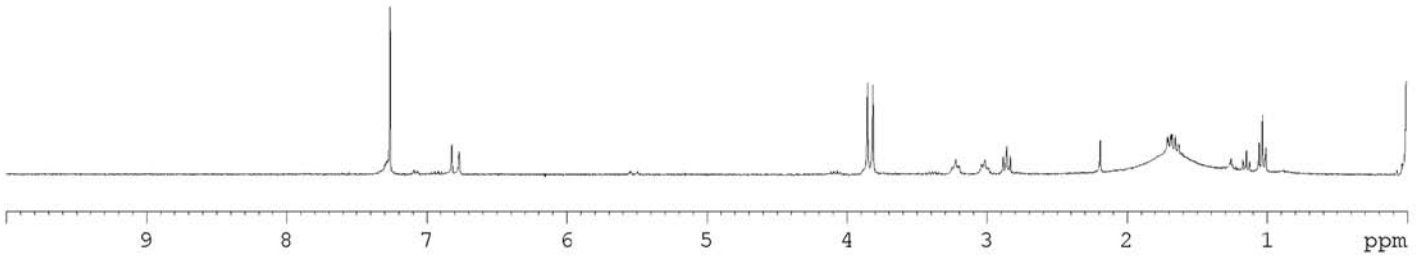
Molecular Weight: 255.38 (255.13)
Synonyms: 2C-T-7, T7
Trade names:
Use: Hallucinogen



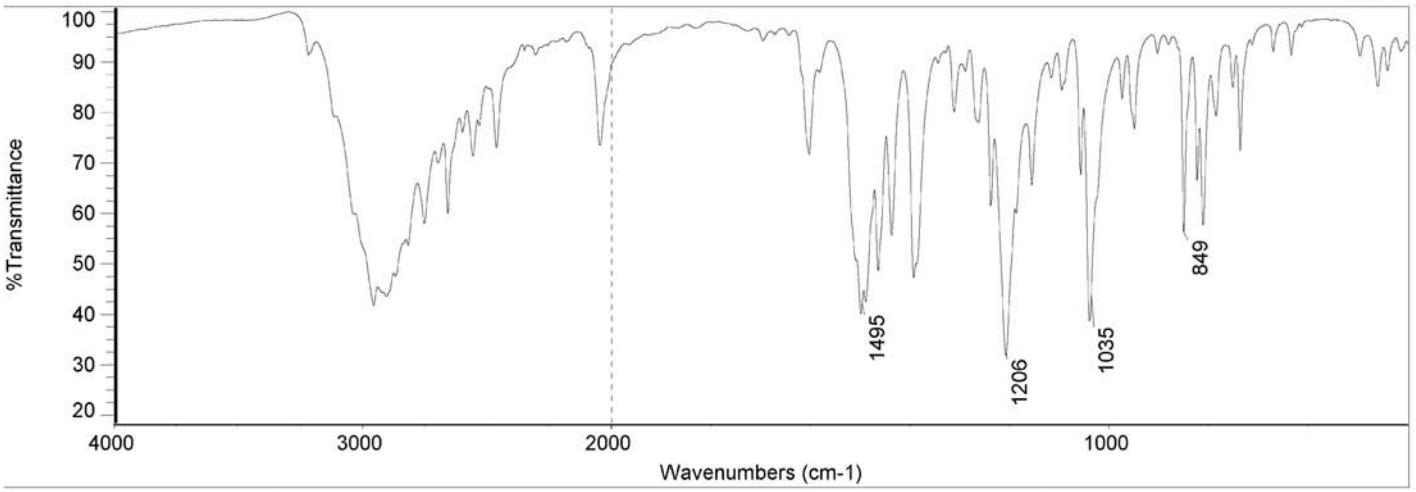




2, 5-DIMETHOXY-4-(N)-PROPYLTHIOPHENETHYLAMINE FTNMR



FT-IR



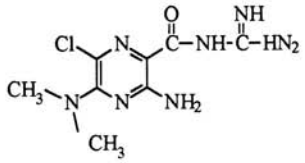
DIMETHYLAMILORIDE

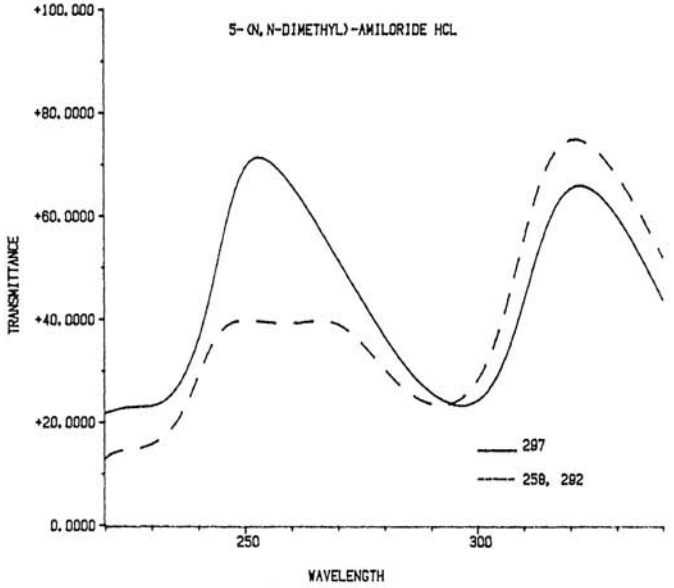
$C_8H_{12}ClN_7O$

Molecular Weight: 257.68 (257.08)

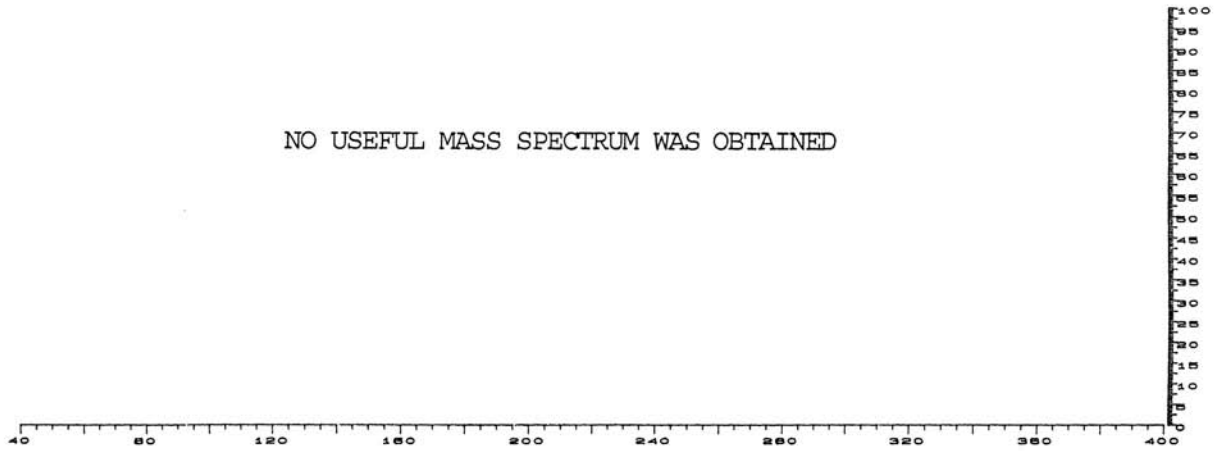
Synonyms: 3-Amino-5-(N,N-dimethyl)amino-N-(aminoiminomethyl-6-chloropyrazinecarboxamide; 5-(N,N-dimethyl)amiloride
Trade Names:
Use: Diuretic

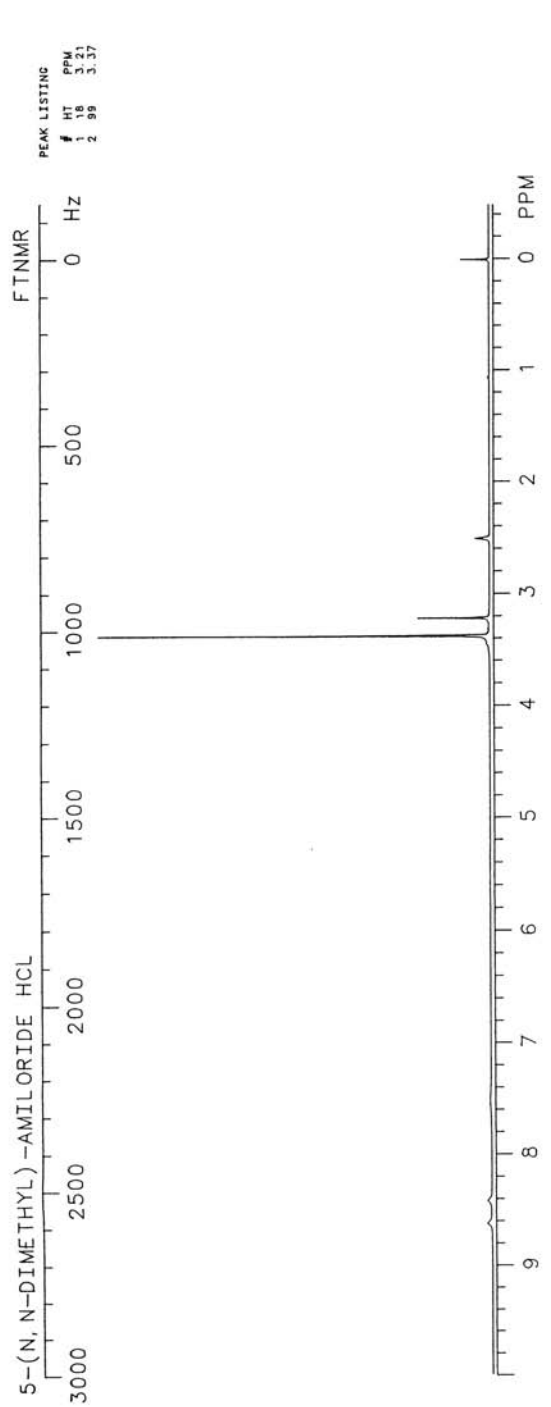
HPLC: Ethanol: 2.7
GC:

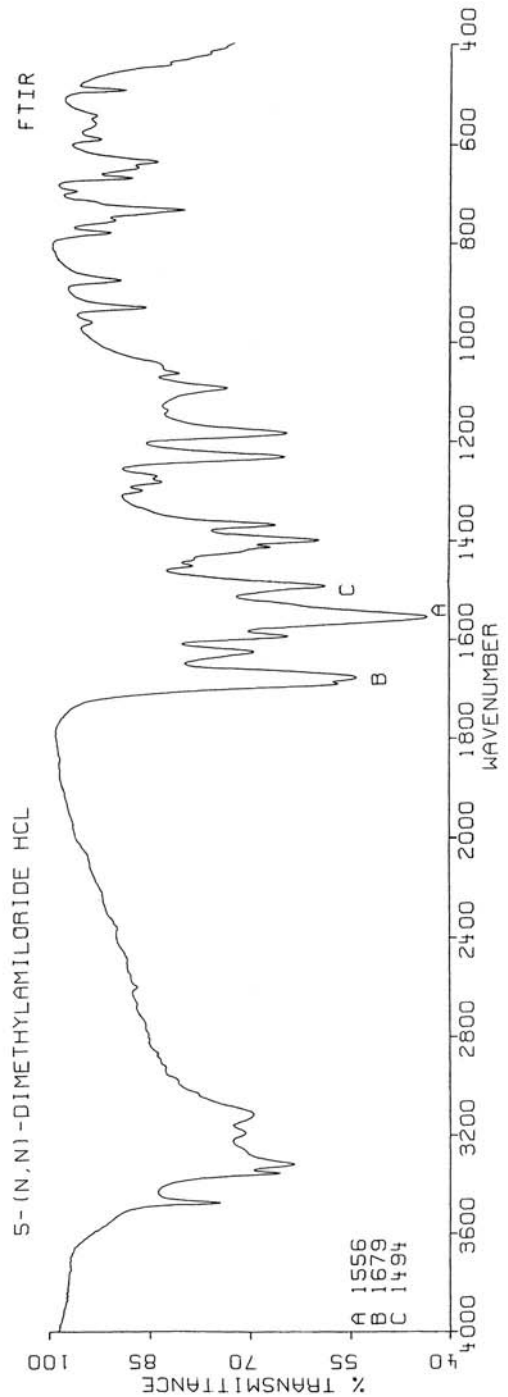




NO USEFUL MASS SPECTRUM WAS OBTAINED




5-(N,N-DIMETHYL)-AMILORIDE HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 1.0 3.73
2 .98 3.37
9
8
7
6
5
4
3
2
1
0 PPM


5-(N,N)-DIMETHYLAMILORIDE HCL
FTIR
% TRANSMITTANCE
100
85
70
55
40
A 1556
B 1679
C 1494
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C

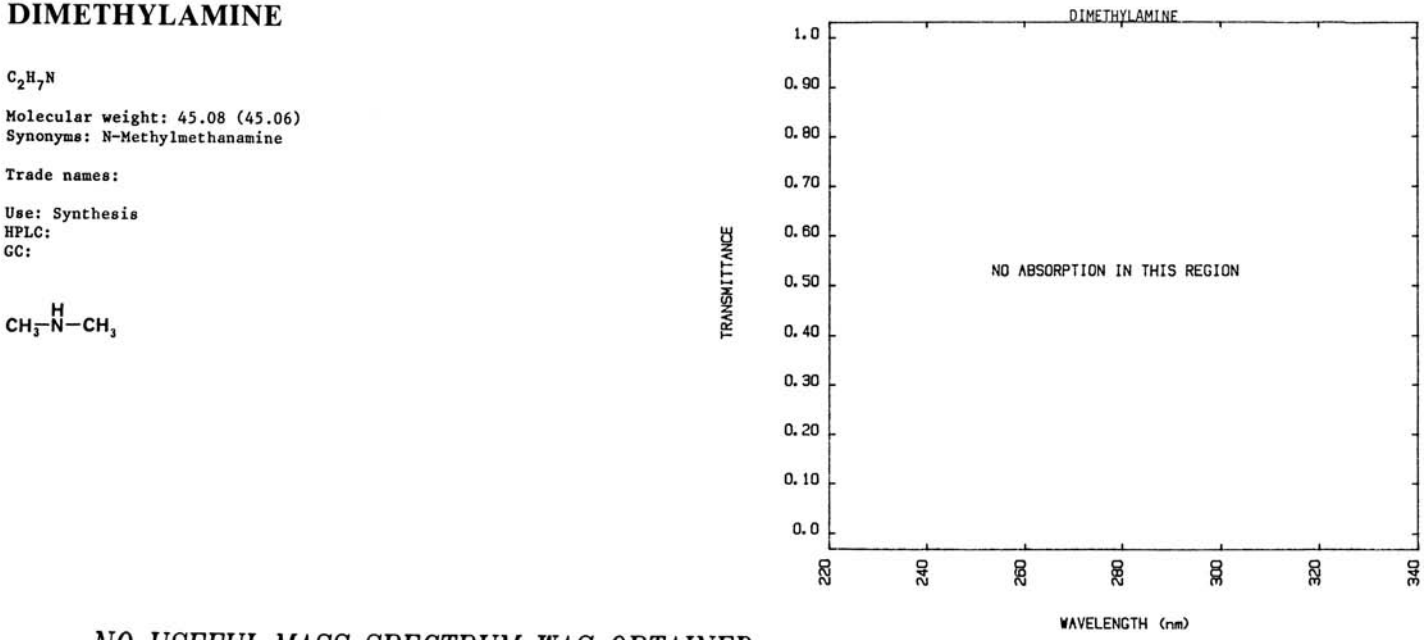
DIMETHYLAMINE

C_2H_7N

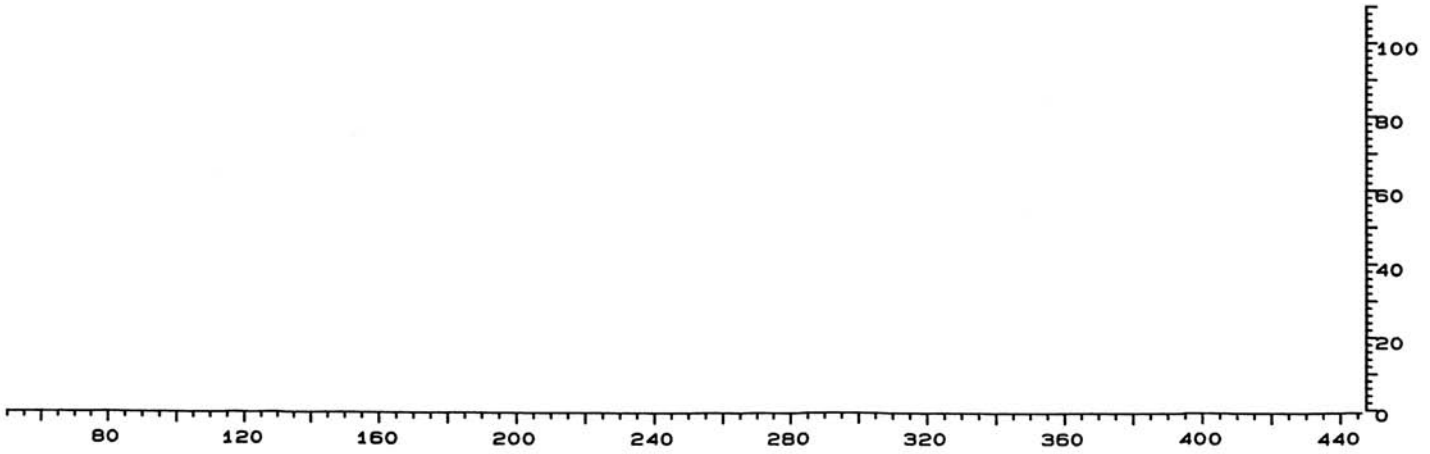
Molecular weight: 45.08 (45.06)
Synonyms: N-Methylmethanamine

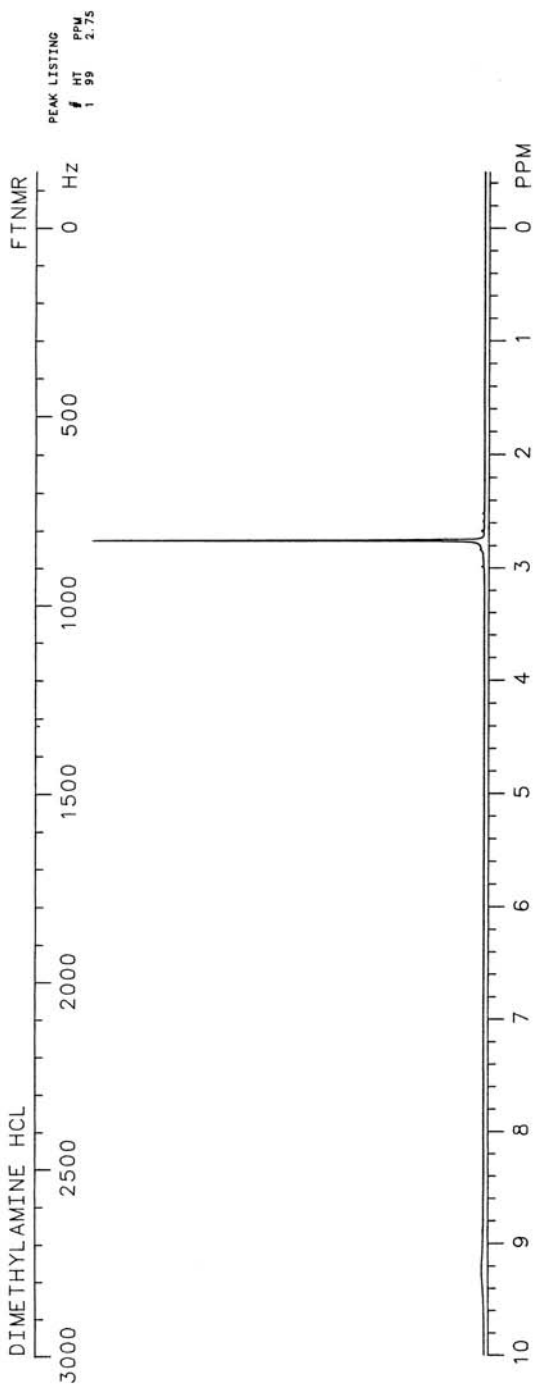
Trade names:

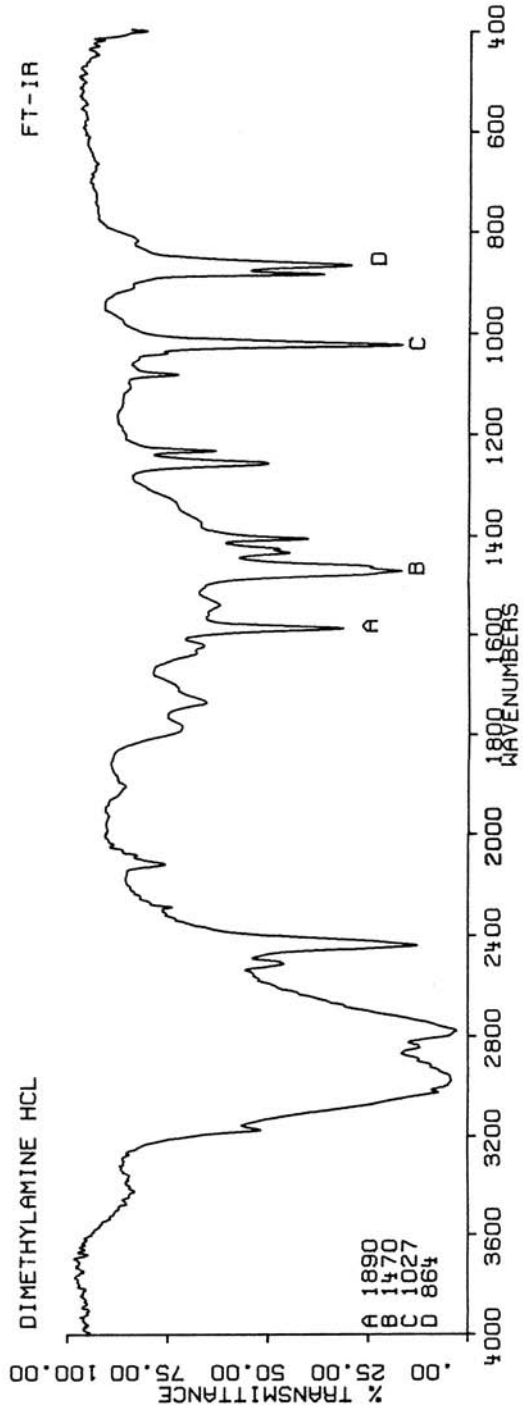
Use: Synthesis
HPLC:
GC:



NO USEFUL MASS SPECTRUM WAS OBTAINED




DIMETHYLAMINE HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 2.75
10 9 8 7 6 5 4 3 2 1 0 PPM

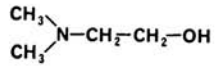

DIMETHYLAMINE HCL
FT-IR
A 1890
B 1470
C 1027
D 864
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

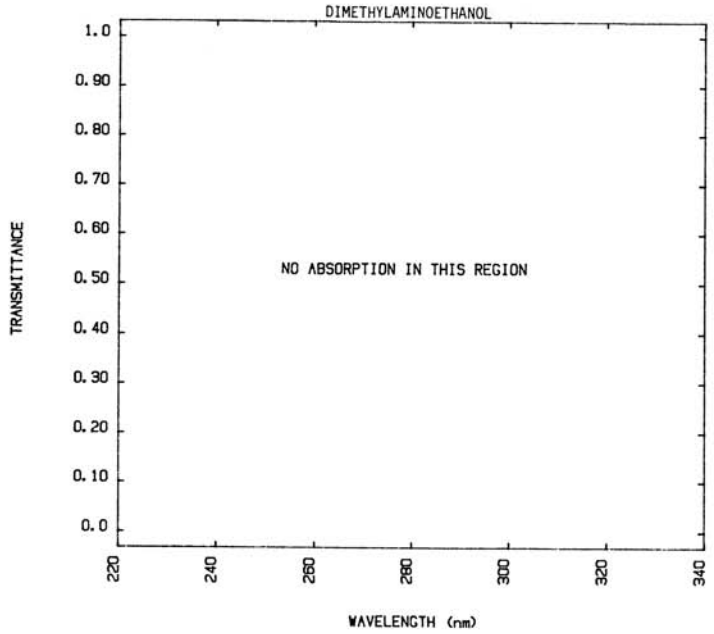
DIMETHYLAMINOETHANOL

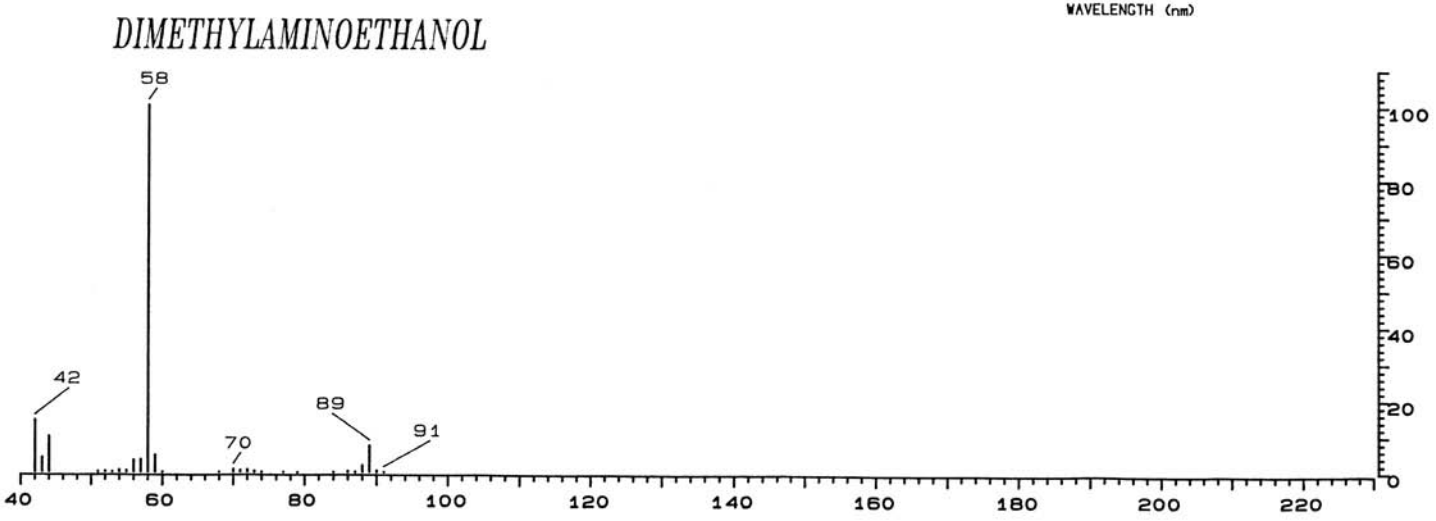
$C_4H_{11}NO$

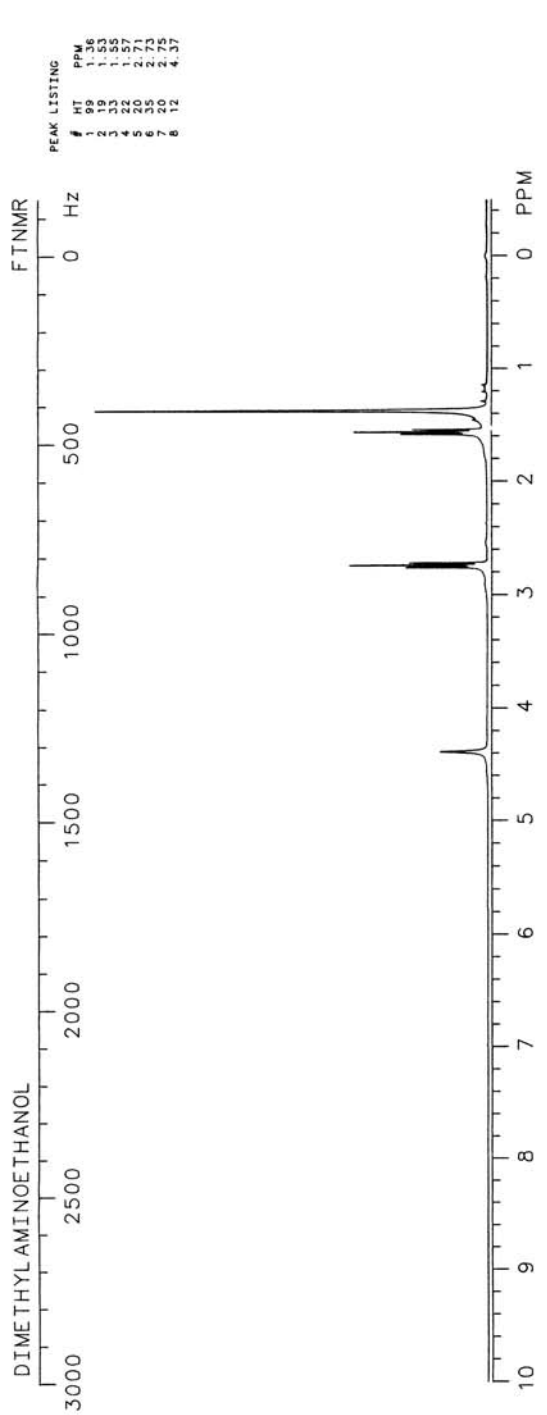
Molecular weight: 89.14 (89.08)
Synonyms: 2-(Dimethylamino)ethanol; β -dimethylaminoethyl alcohol; Deanol
Trade names: Atrol, Dimethaen, Liparon, Paxanol, Tonibral

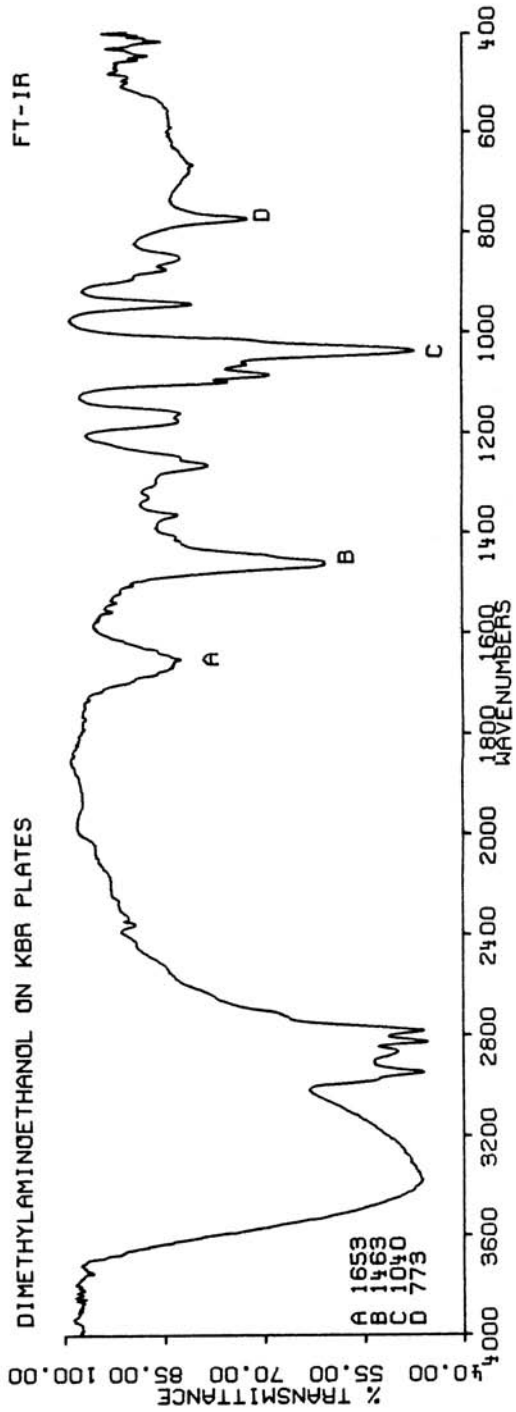
Use: Antidepressant
HPLC:
GC: 709; 80°C








DIMETHYLAMINOETHANOL
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 1.36
2 19 1.53
3 33 1.55
4 22 1.57
5 20 2.71
6 35 2.75
7 20 2.75
8 12 4.37


DIMETHYLAMINOETHANOL ON KBR PLATES
FT-IR
A 1653
B 1463
C 1040
D 773
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

DIMETHYLAMPHETAMINE

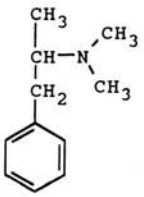
$C_{11}H_{17}N$

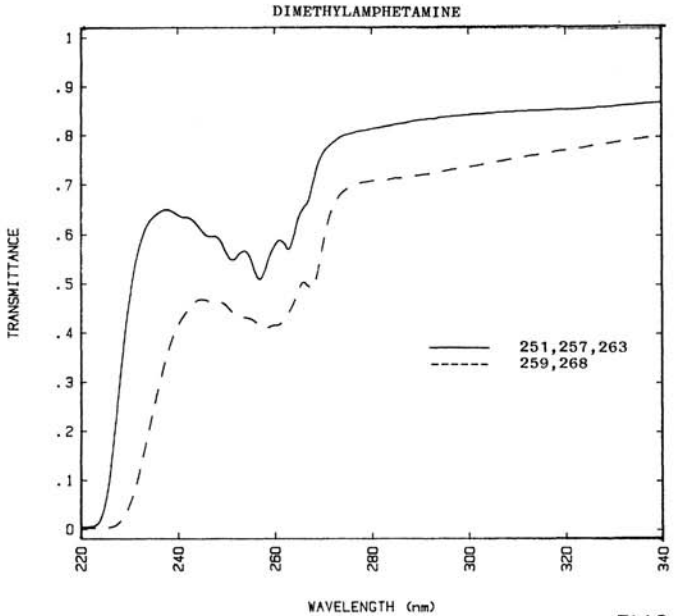
Molecular weight: 163.30 (163.14)

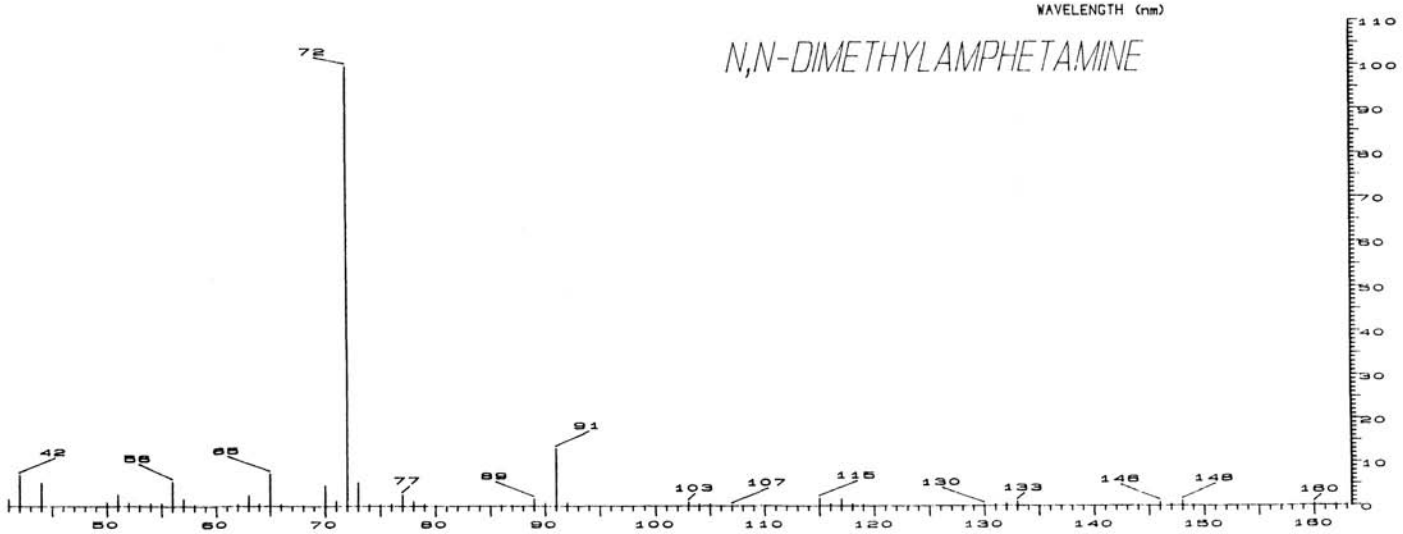
Synonyms: N,N,α-Trimethylphenethylamine

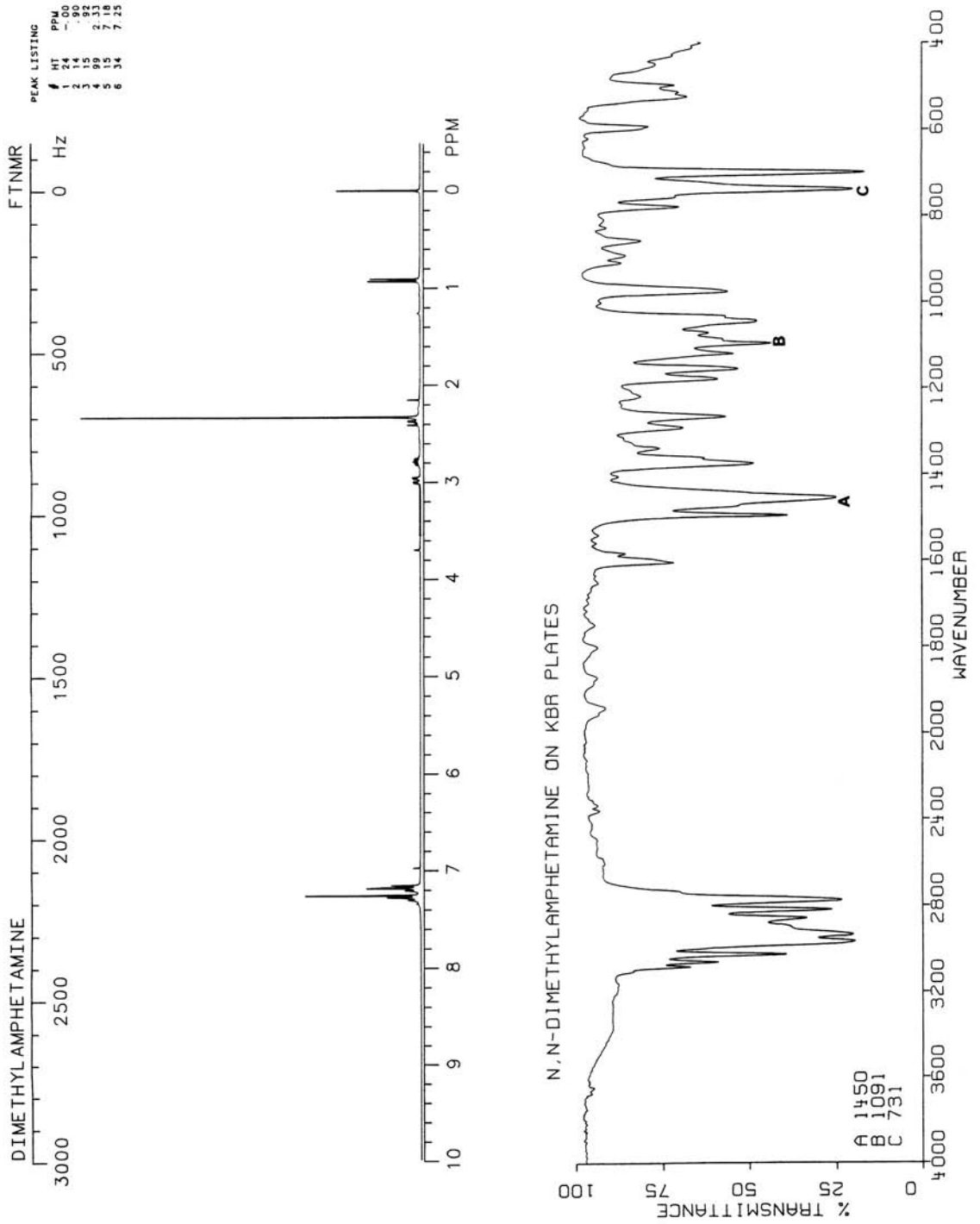
Trade names:

Use: Central stimulant
HPLC: 80A:20C; 3.1
GC: 1289; 140








DIMETHYLAMPHETAMINE
FTNMR
PEAK LISTING
HT PPM
1 24 -.00
2 14 .90
3 15 1.92
4 99 2.33
5 15 7.18
6 34 7.25
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
N,N-DIMETHYLAMPHETAMINE ON KBR PLATES
A 1450
B 1091
C 731
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

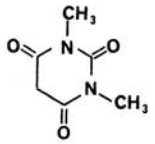
1,3-DIMETHYLBARBITURIC ACID

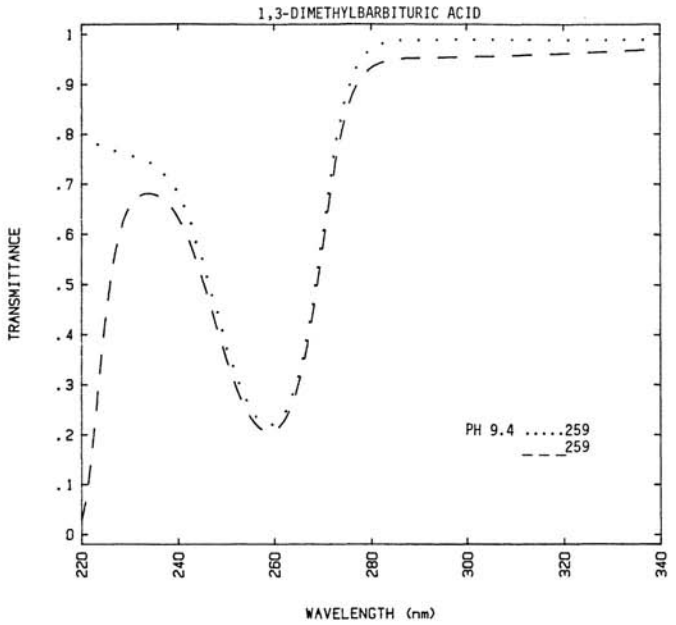
$C_6H_8N_2O_3$

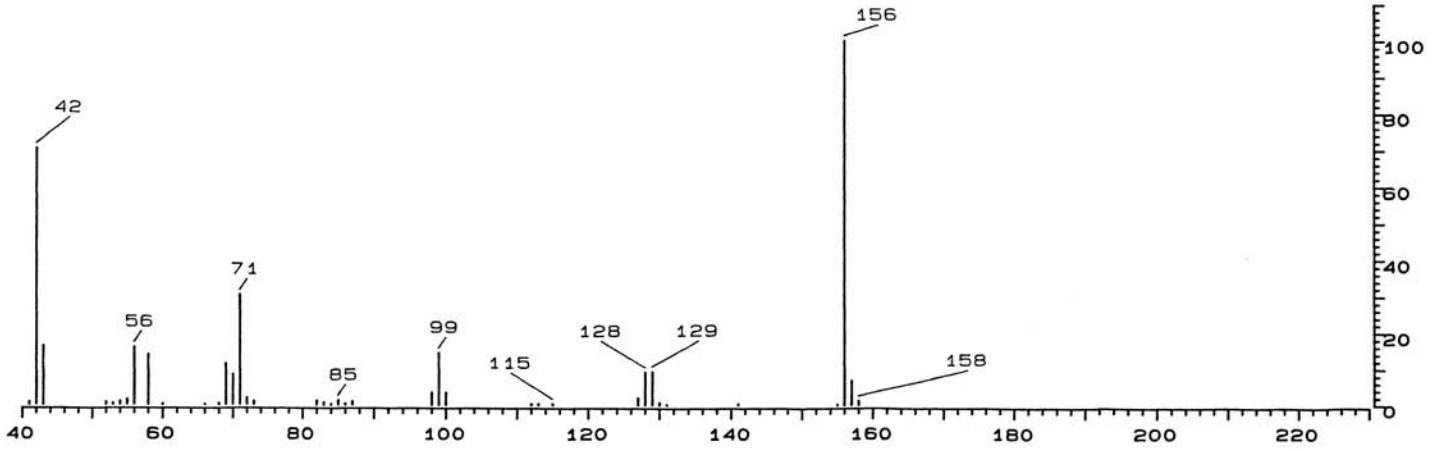
Molecular weight: 156.14 (156.05)
Synonyms: 1,3-Dimethyl-2,4,6-(5H)-pyrimidinetrione

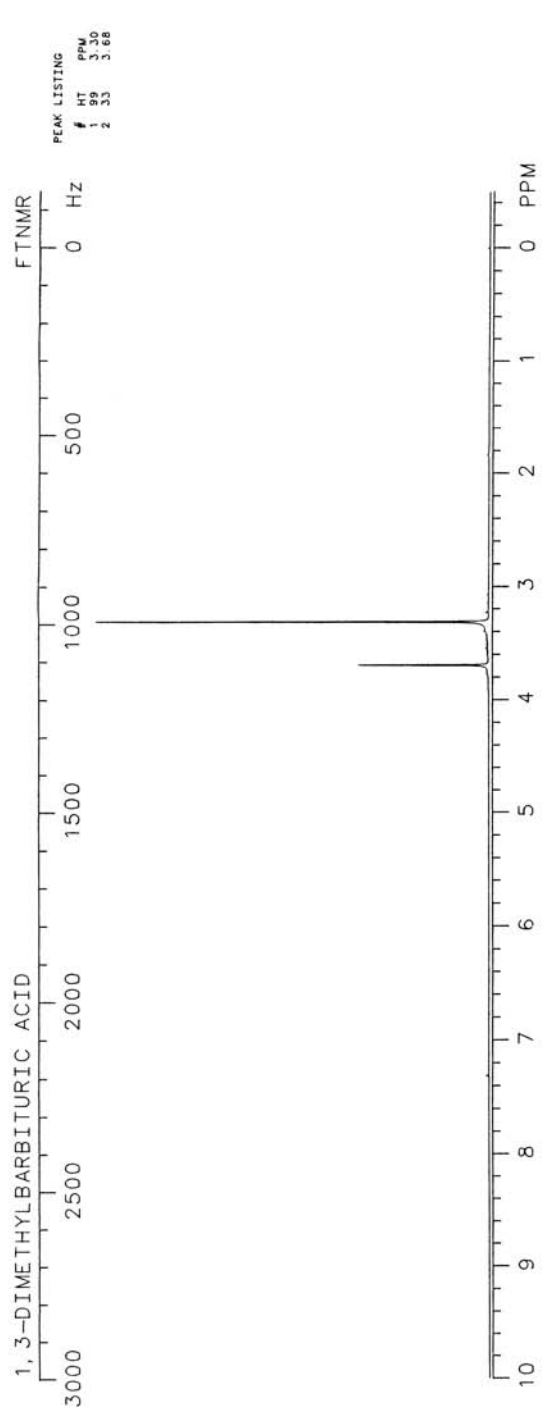
Trade names:

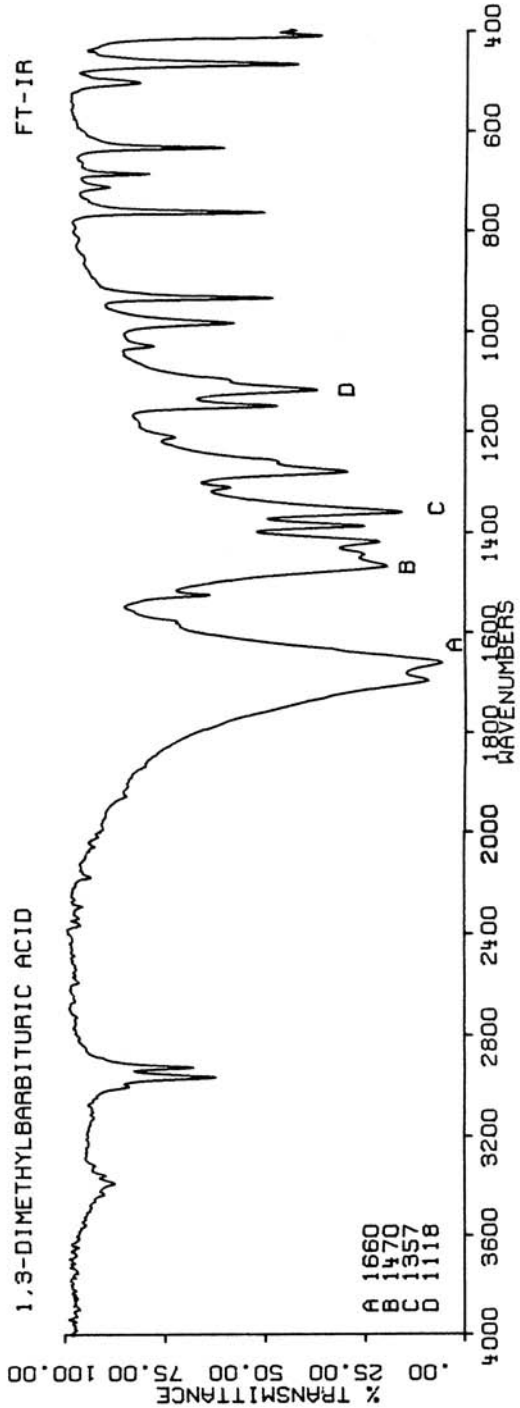
Use: Metabolite
HPLC:
GC: 1326; 140°C







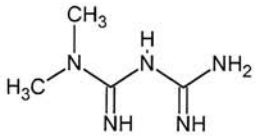

1,3-DIMETHYLBARBITURIC ACID
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 99 3.30
2 33 3.68
10
9
8
7
6
5
4
3
2
1
0 PPM

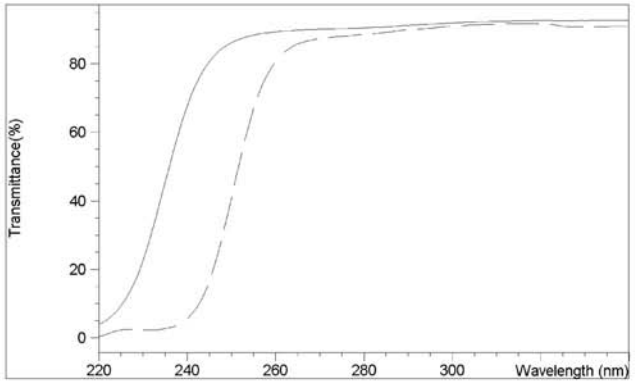

1,3-DIMETHYLBARBITURIC ACID
FT-IR
A 1660
B 1470
C 1357
D 1118
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

DIMETHYLBIGUANIDE

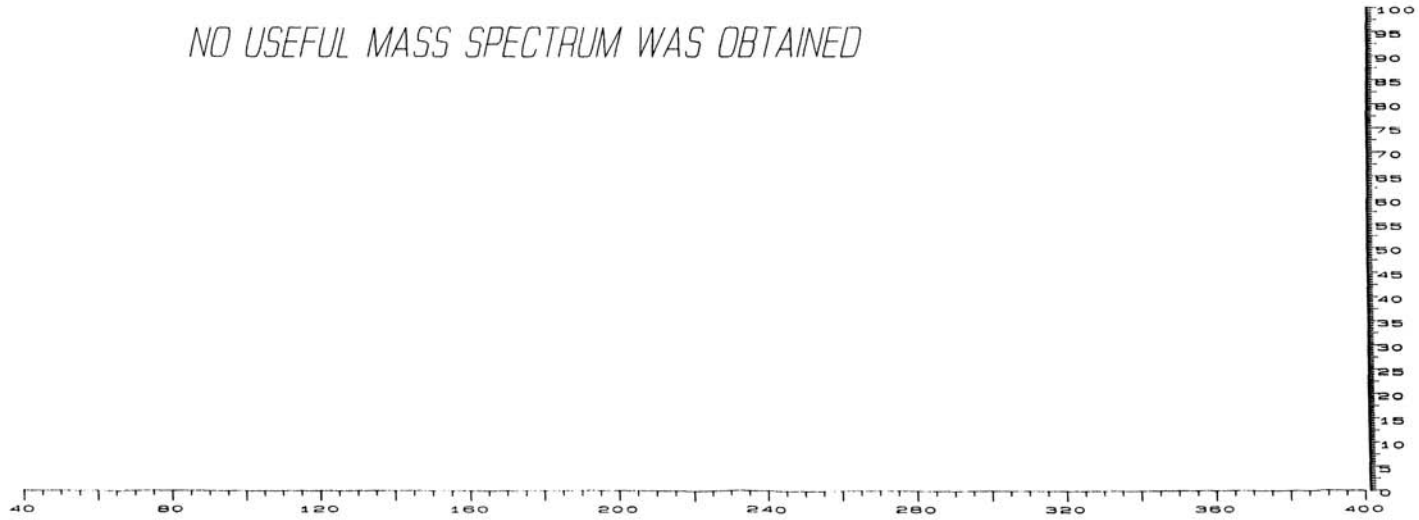
$C_4H_{11}N_5$

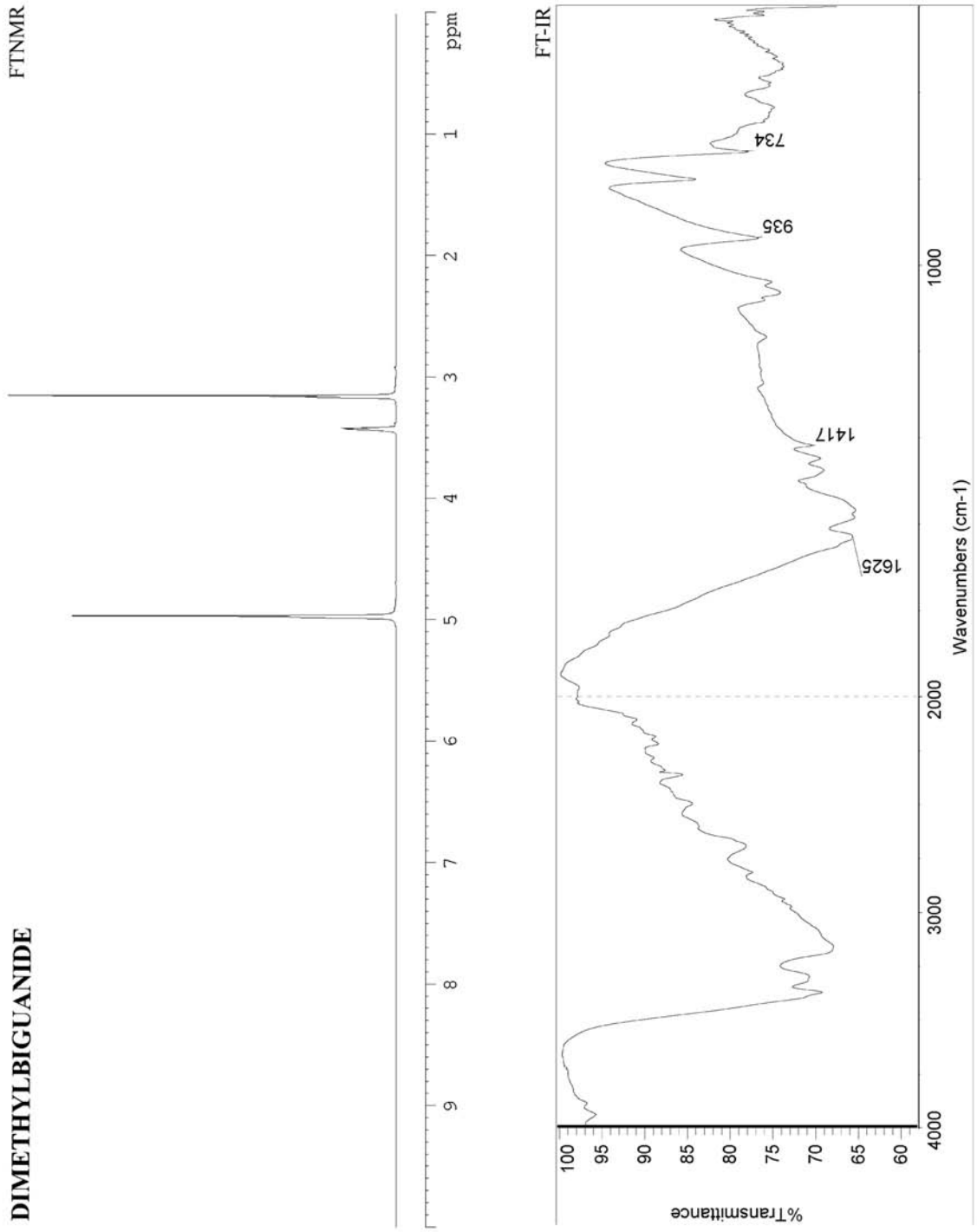
Molecular Weight: 129.16 (129.1)
Synonyms: *N*,*N*-Dimethylimidodicarbonimidic diamide; metformin; *N*,*N*-dimethyldiguanide; 1,1-dimethylbiguanide
Trade names: Metformin
Use: Antidiabetic





NO USEFUL MASS SPECTRUM WAS OBTAINED



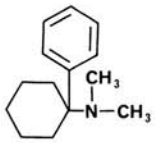

DIMETHYLBIGUANIDE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
100
95
90
85
80
75
70
65
60
4000
3000
2000
1000
Wavenumbers (cm-1)
1625
1417
935
734

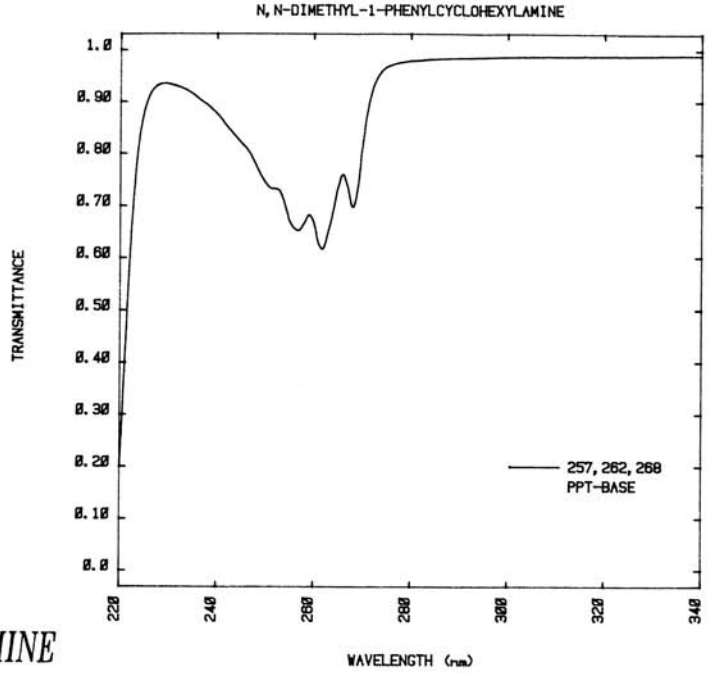
N,N-DIMETHYL-1-PHENYLCYCLOHEXYLAMINE

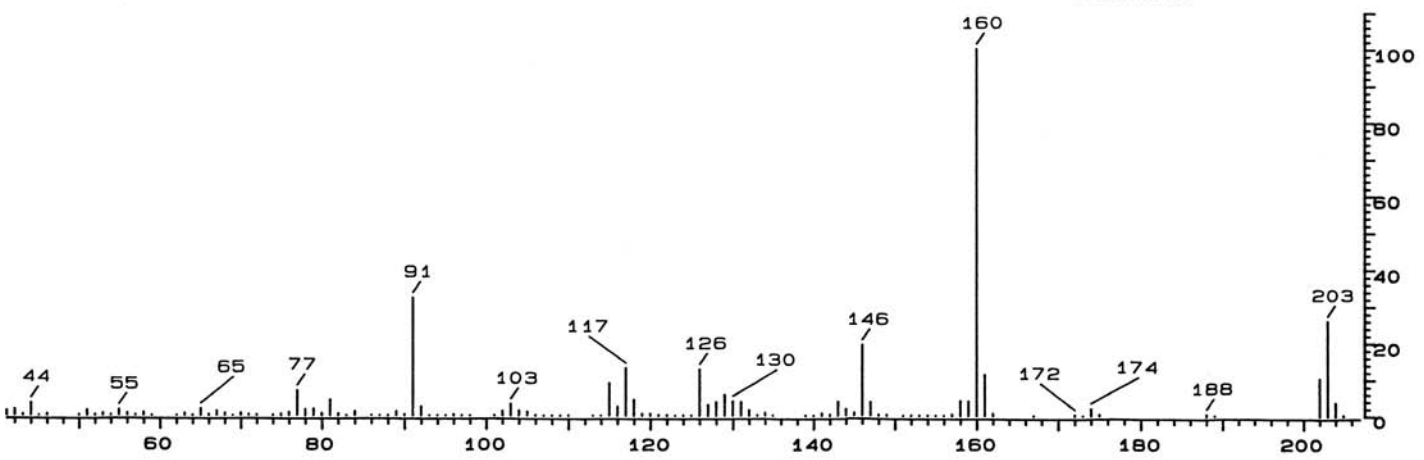
$C_{14}H_{21}N$

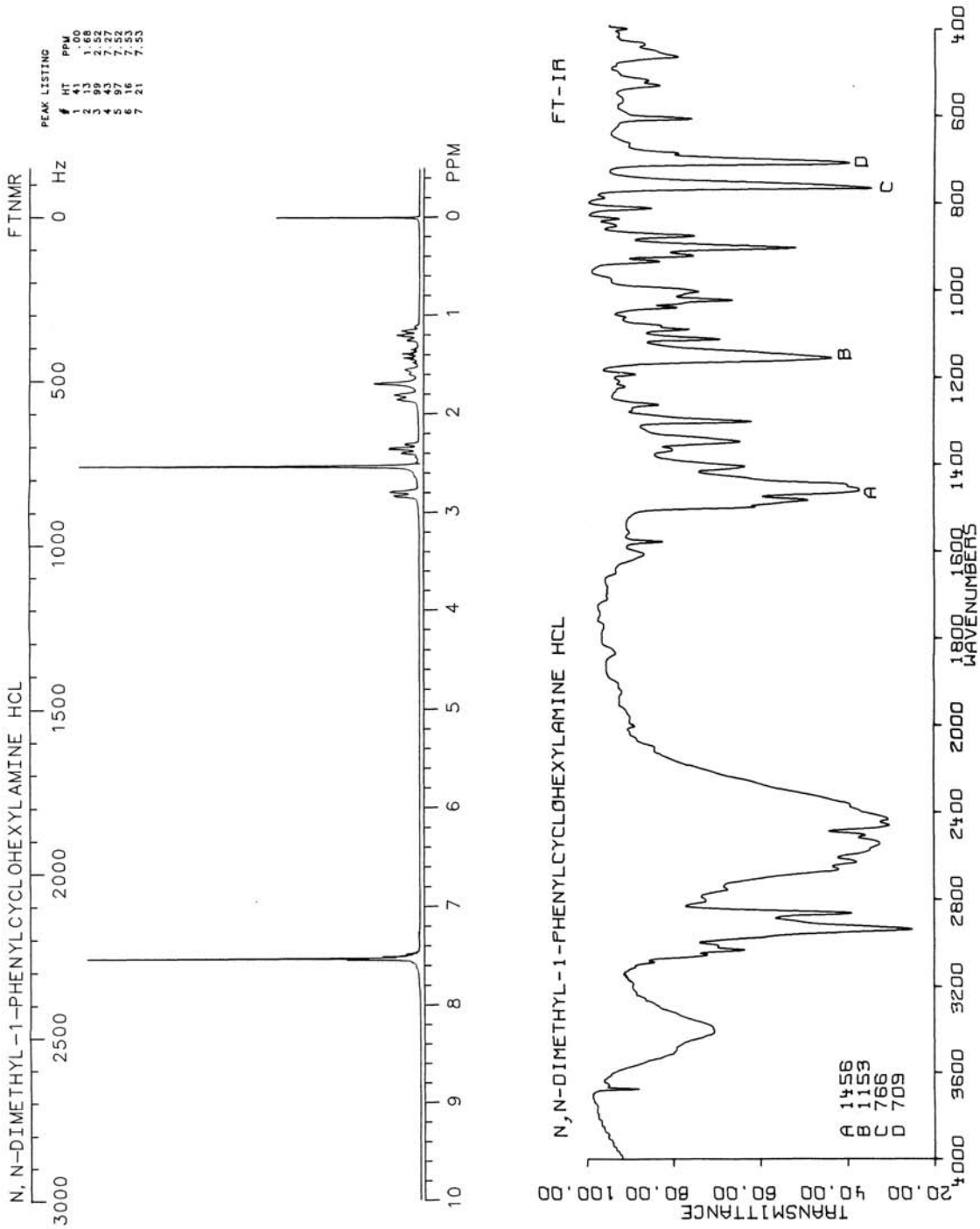
Molecular weight: 203.33 (203.17)
Synonyms: N,N-Dimethyl-1-phenylcyclohexanamine; N,N-dimethyl-1-phenylcyclohexamine
Trade names:

Use:
HPLC: Si-10; 20A:80B; 5.4
GC: 1621; 200°C





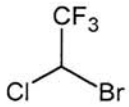


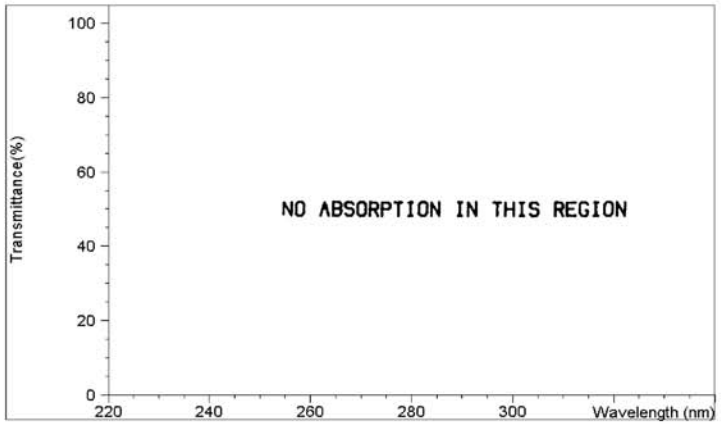

N, N-DIMETHYL-1-PHENYLCYCLOHEXYLAMINE HCL
FTNMR
PEAK LISTING
HT PPM
1 41 .00
2 13 1.68
3 99 2.52
4 43 7.27
5 97 7.32
6 16 7.53
7 21 7.53
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
N,N-DIMETHYL-1-PHENYLCYCLOHEXYLAMINE HCL
FT-IR
A 1456
B 1153
C 766
D 709
A
B
C
D
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

HALOTHANE

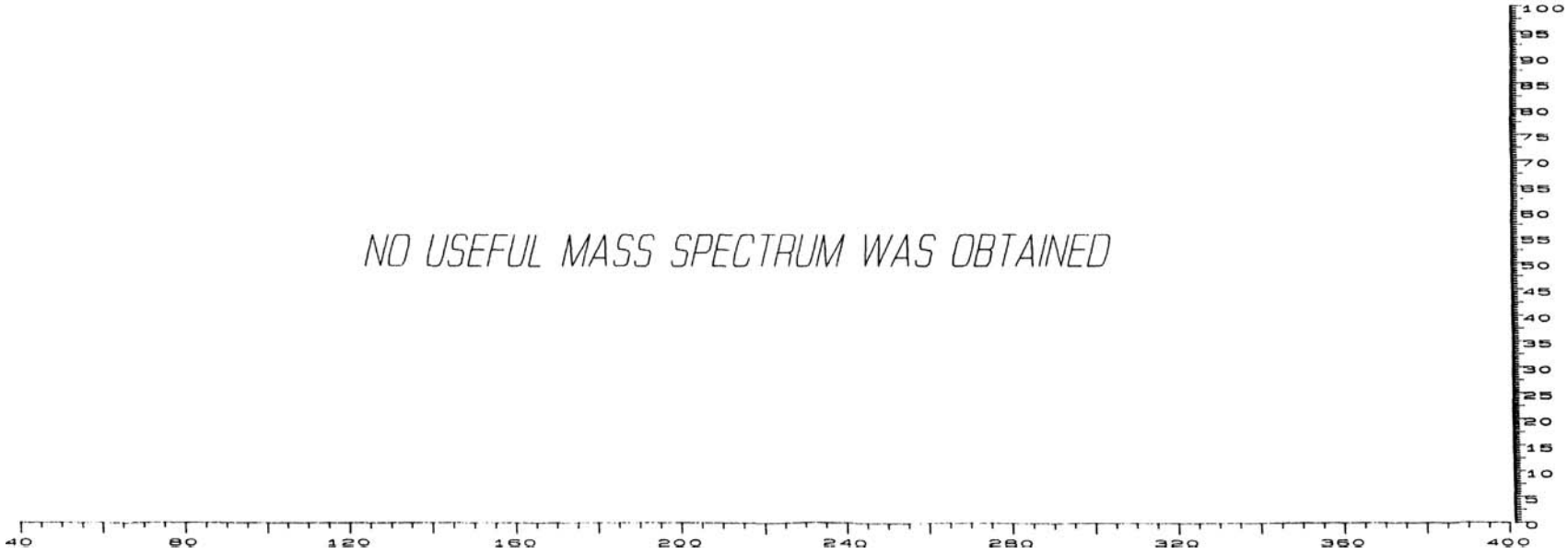
$C_2HBrClF_3$

Molecular Weight: 197.38 (195.89)
Synonyms: 2-Bromo-2-chloro-1,1,1-trifluoroethane: bromochlorotrifluoroethane
Trade names: Fluothane, Rhodialothan
Use: Anesthetic (inhalation)



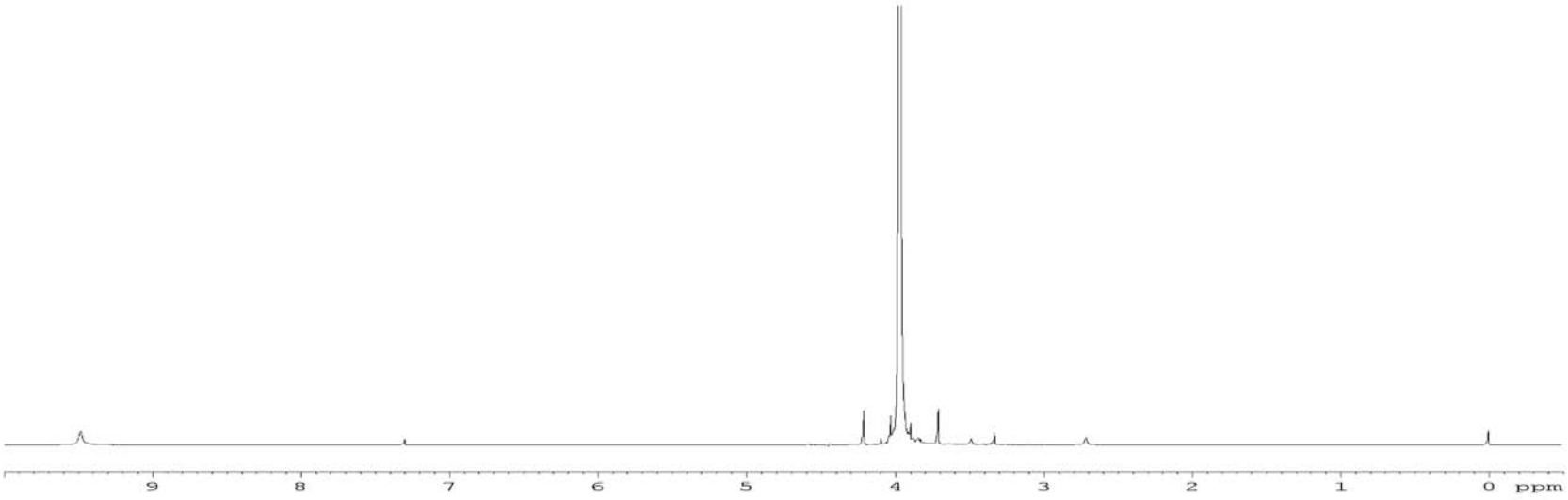


NO USEFUL MASS SPECTRUM WAS OBTAINED

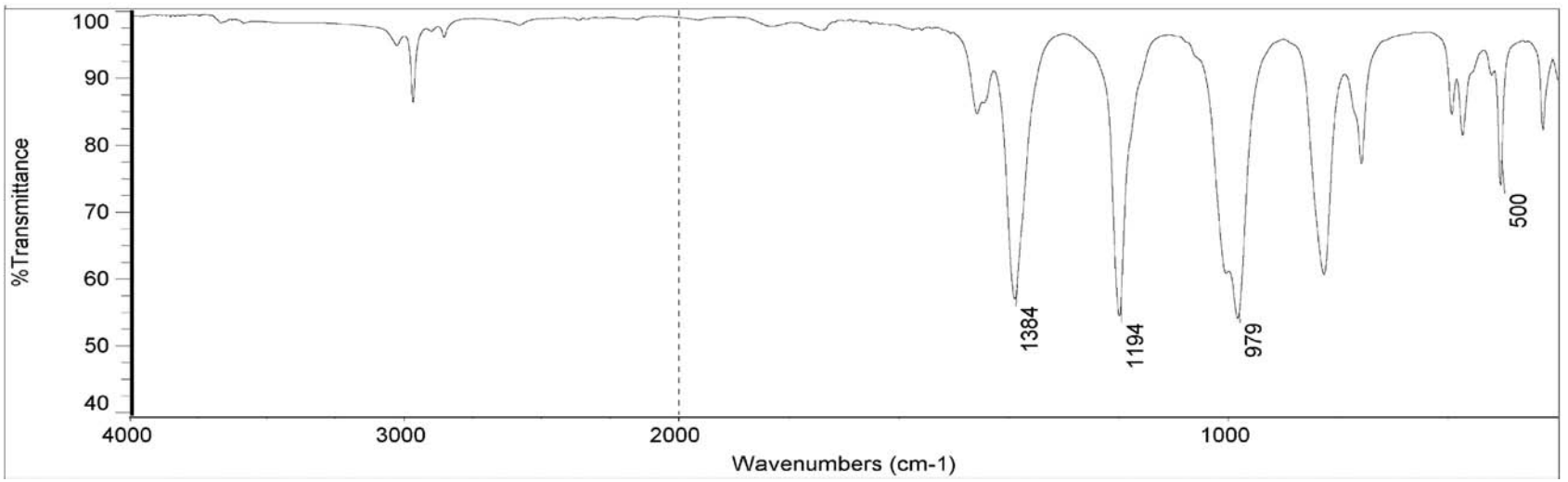


DIMETHYL SULFATE

FTNMR



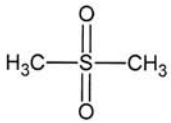
FT-IR

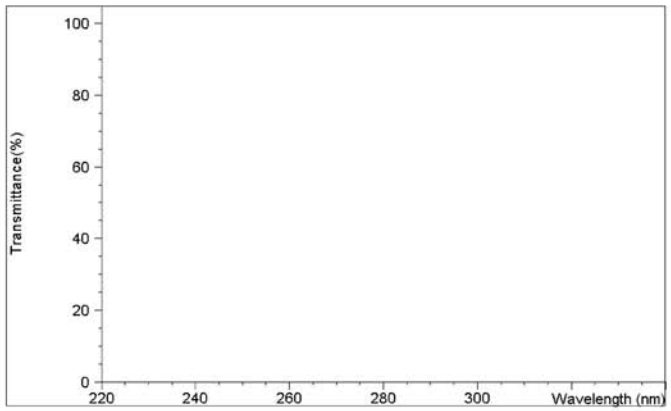


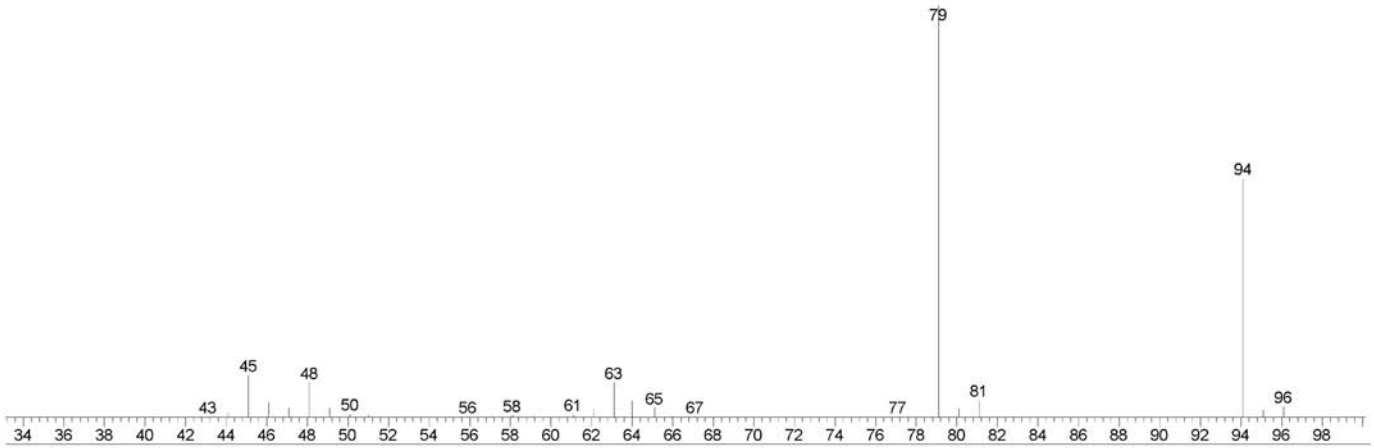
DIMETHYL SULFONE

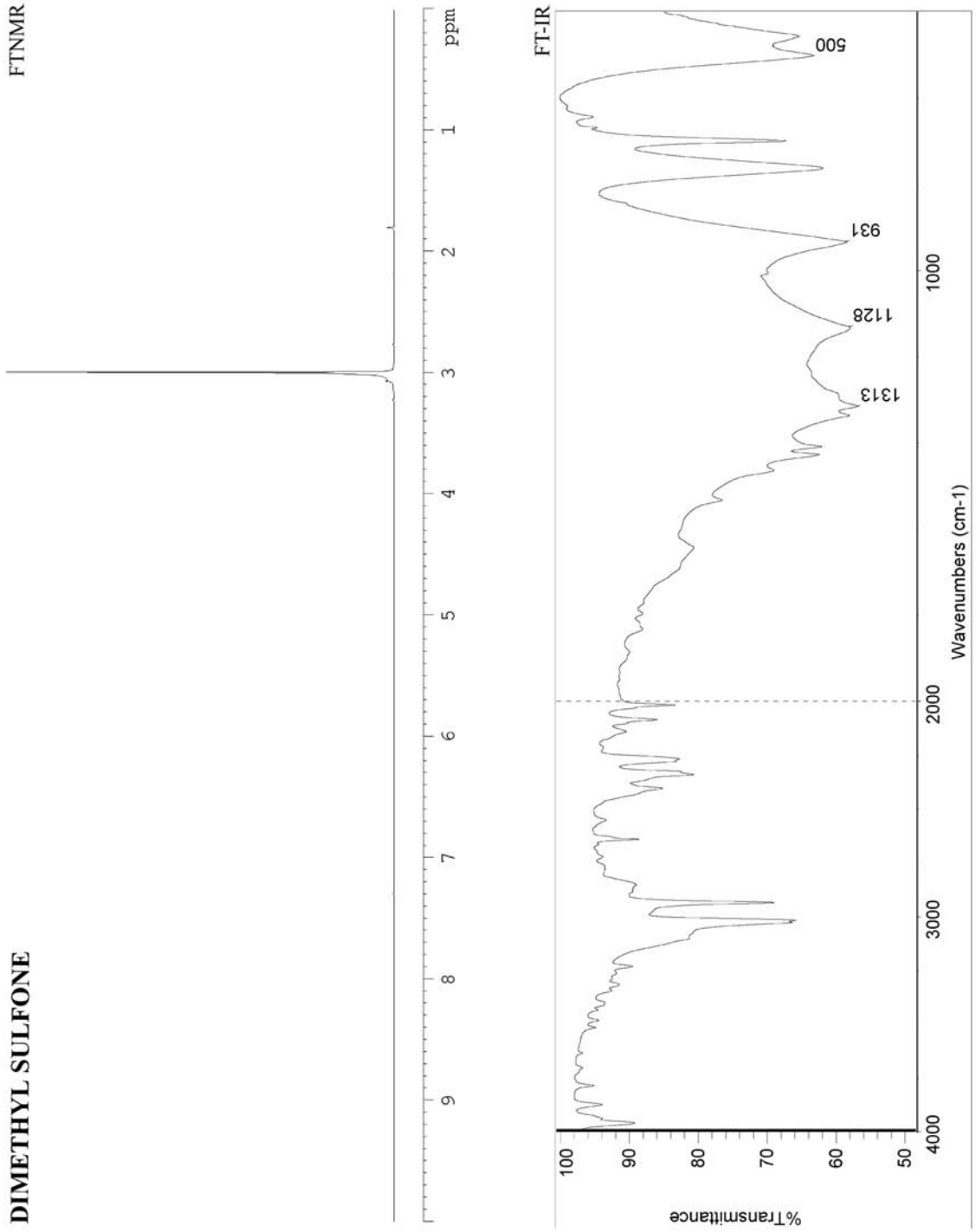
$C_2H_6O_2S$

Molecular Weight: 94.13 (94.01)
Synonyms: Sulfonylbismethane: $DMSO_2$; methyl sulfone; methylsulfonylmethane, MSM
Trade names:
Use: Dietary supplement








DIMETHYL SULFONE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
500
931
1128
1313
%Transmittance
100
90
80
70
60
50
4000
3000
2000
1000
Wavenumbers (cm-1)

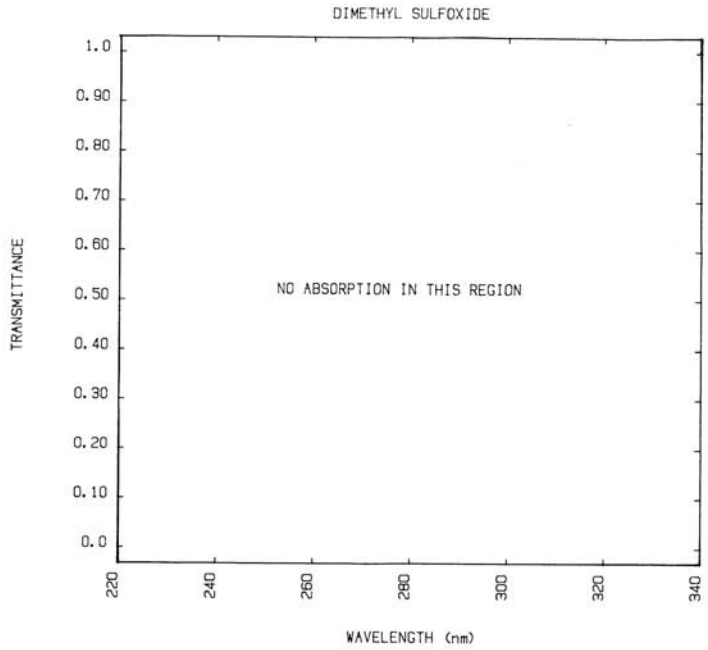
DIMETHYL SULFOXIDE

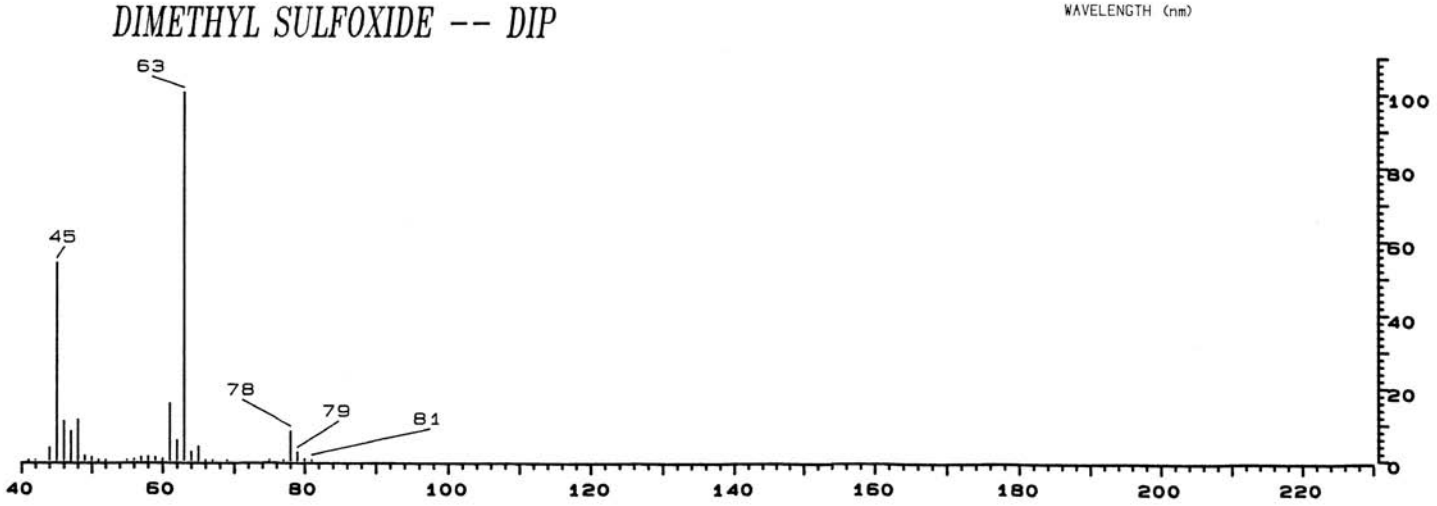
C_2H_6OS

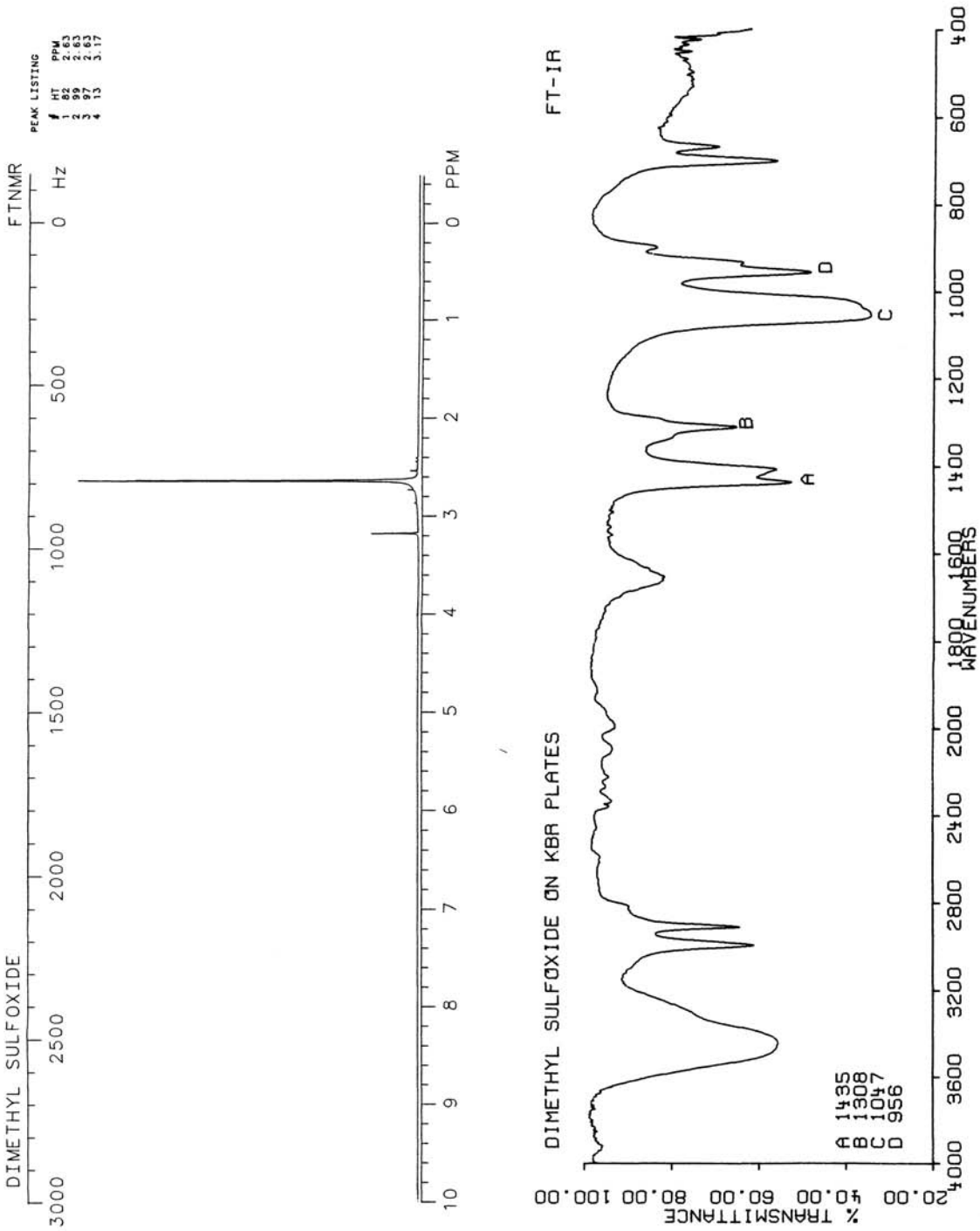
Molecular weight: 78.13 (78.01)
Synonyms: Sulfinylbis[methane]; methyl sulfoxide; DMSO

Trade names: Rimso-50

Use: Topical anti-inflammatory
HPLC:
GC:





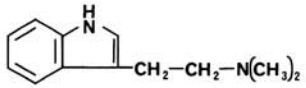

DIMETHYL SULFOXIDE
FTNMR
PEAK LISTING
HT PPM
1 82 2.63
2 99 2.63
3 97 2.63
4 13 3.17
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
DIMETHYL SULFOXIDE ON KBR PLATES
FT-IR
A 1435
B 1308
C 1047
D 956
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
20.00 40.00 60.00 80.00 100.00
% TRANSMITTANCE

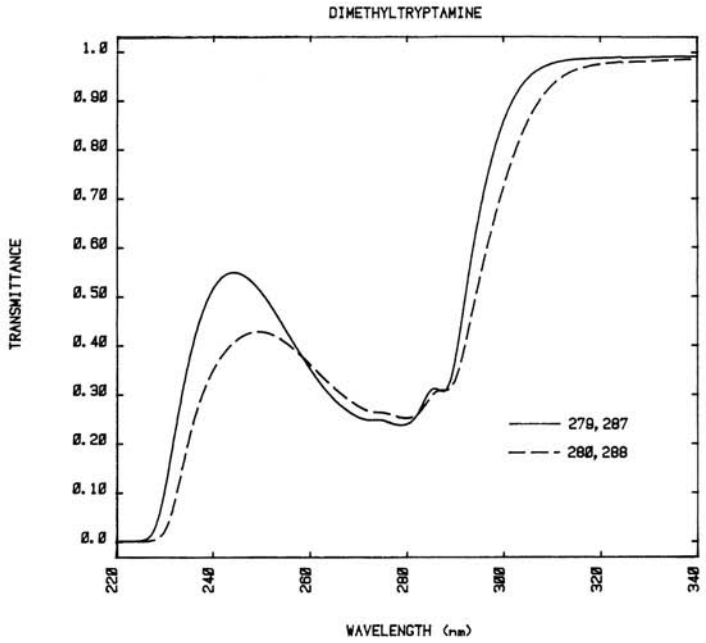
DIMETHYLTRYPTAMINE

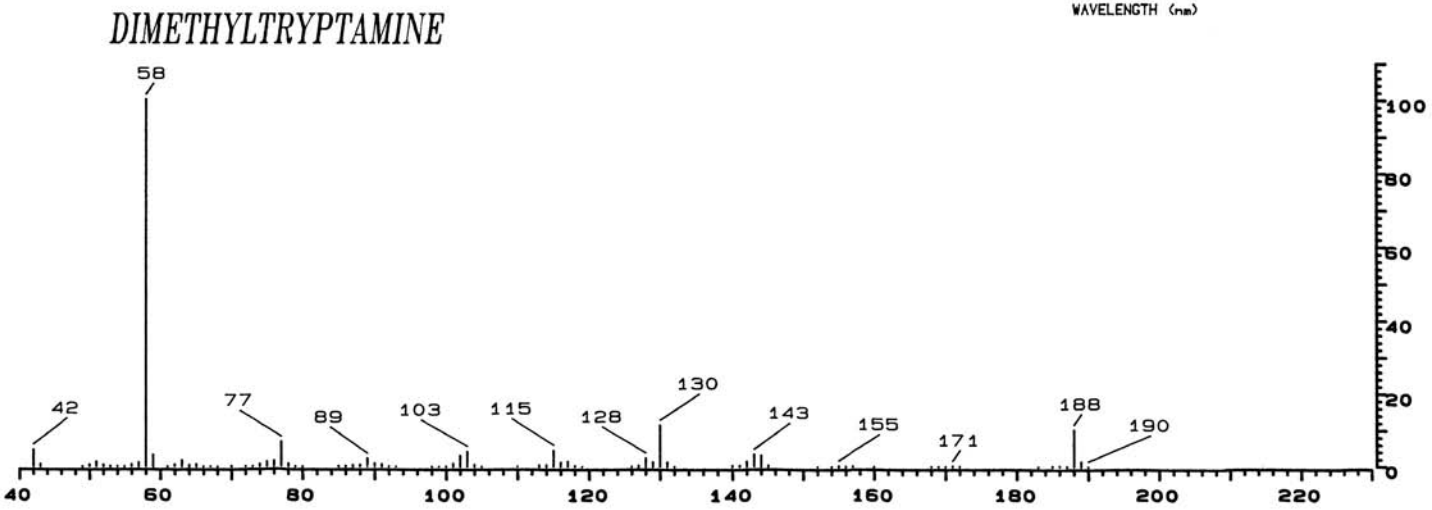
$C_{12}H_{16}N_2$

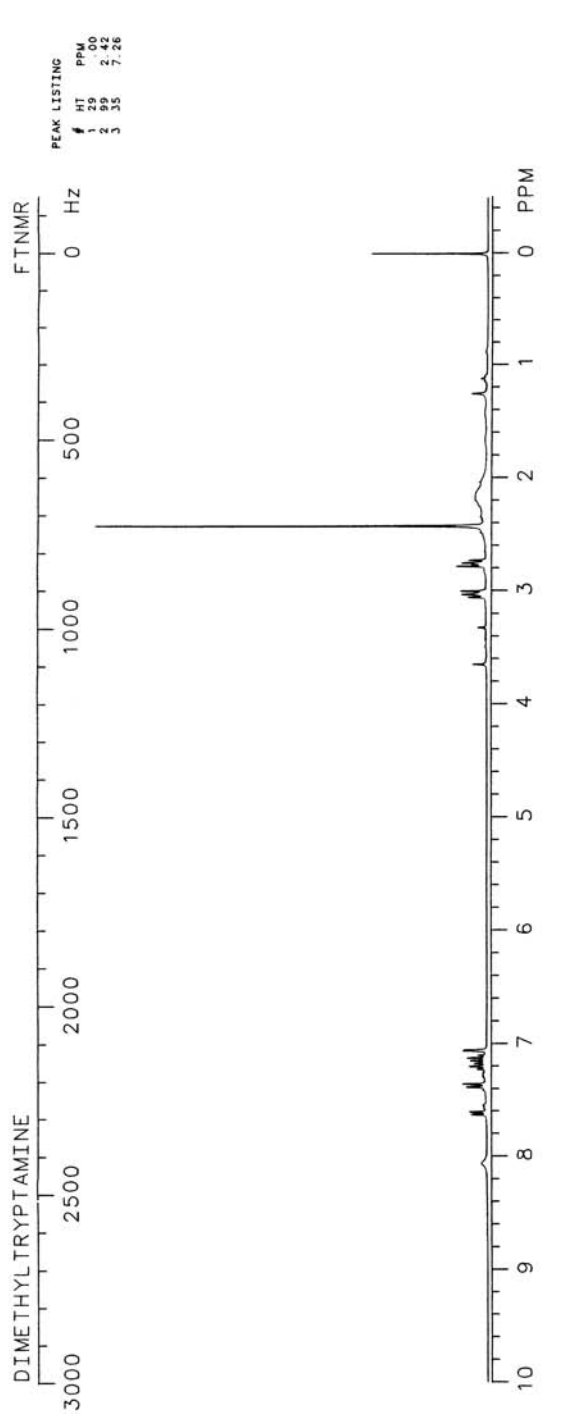
Molecular weight: 188.27 (188.13)
Synonyms: N,N-Dimethyl-1H-indole-3-ethanamine; 3-[2-(dimethylamino)ethyl]indole; DMT
Trade names:

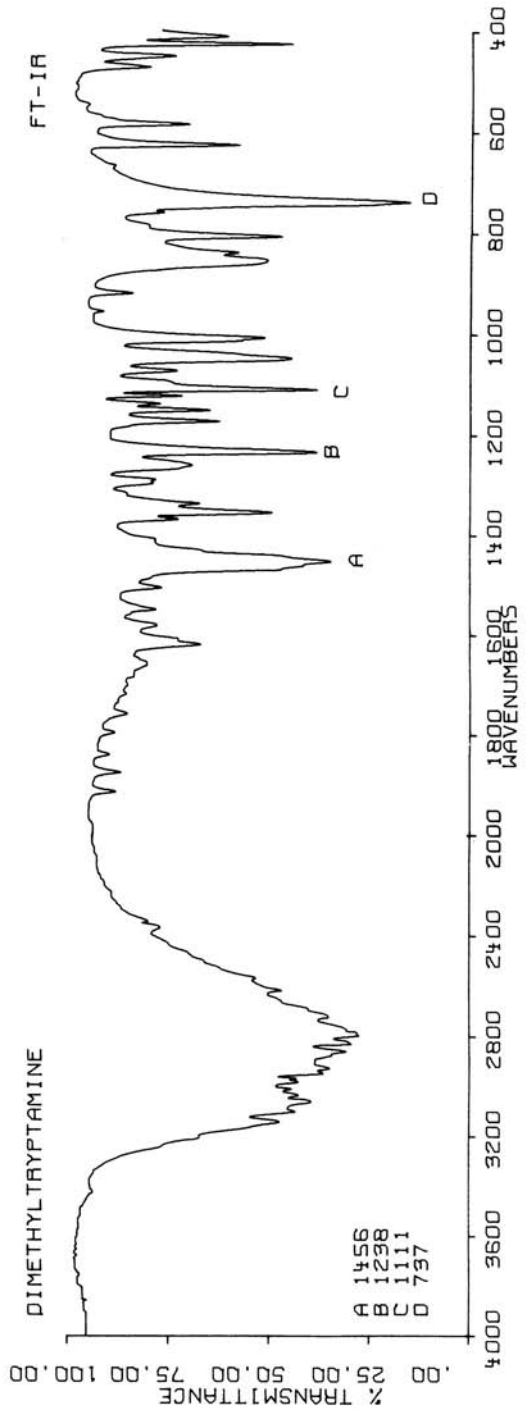
Use: Hallucinogen
HPLC: Si-10; 20A:80B; 7.0
GC: 1820; 200°C








DIMETHYLTRYPTAMINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 29 .00
2 89 2.42
3 35 7.26
10 9 8 7 6 5 4 3 2 1 0 PPM


DIMETHYLTRYPTAMINE
FT-IR
A 1456
B 1238
C 1111
D 737
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

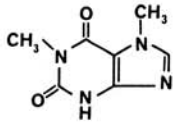
DIMETHYLXANTHINE

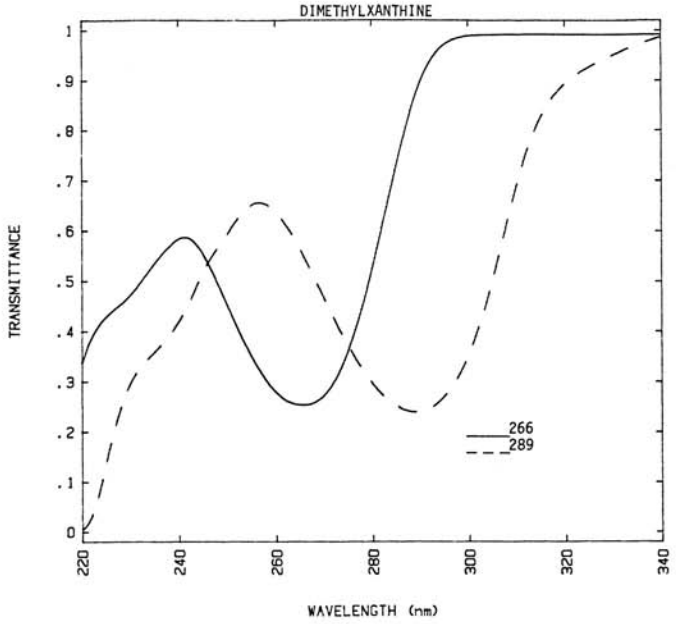
$C_7H_8N_4O_2$

Molecular weight: 180.17 (180.07)
Synonyms: 3,7-Dihydro-1,7-dimethyl-1H-purine-2,6-dione

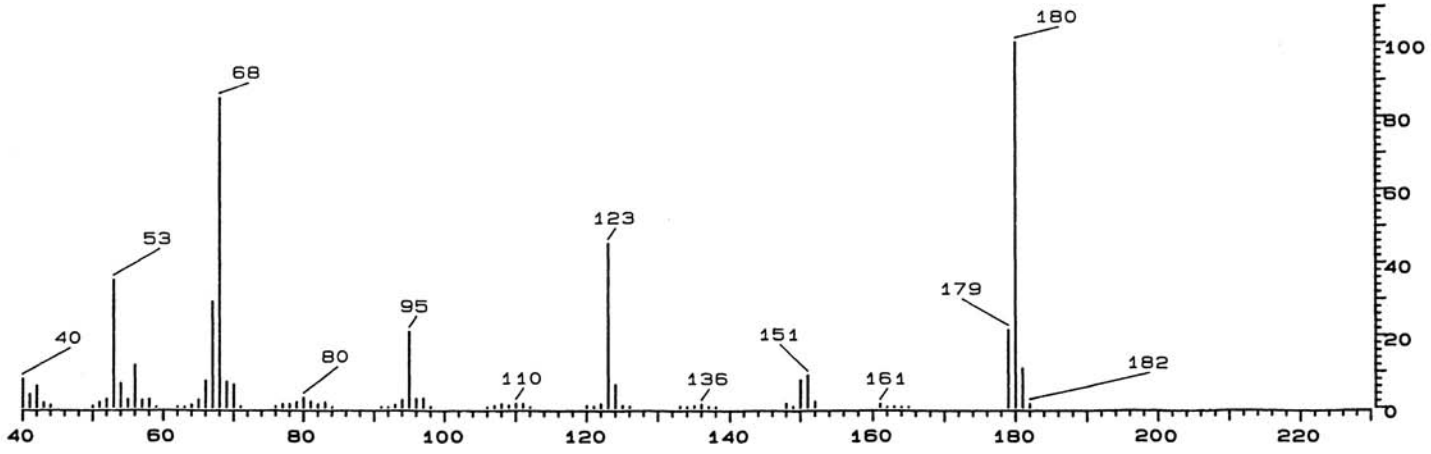
Trade names:

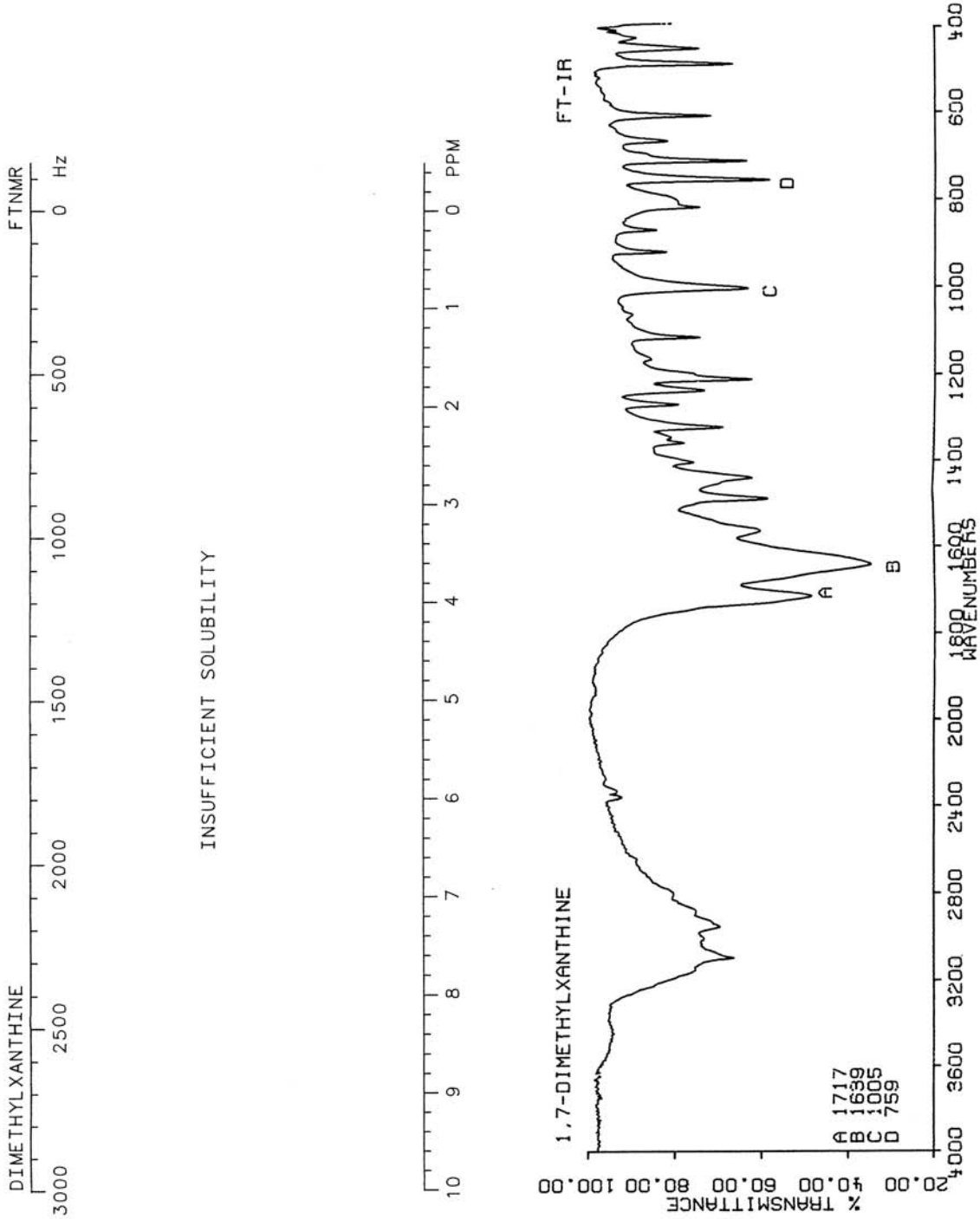
Use: Stimulant
HPLC: Si-10; 2A:98B; 4.1
GC: 1979; 250°C





1,7-DIMETHYLXANTHINE -- DIP



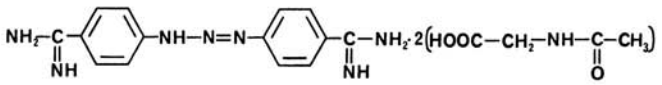

DIMETHYLXANTHINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
1.7-DIMETHYLXANTHINE
FT-IR
A 1717
B 1639
C 1005
D 759
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

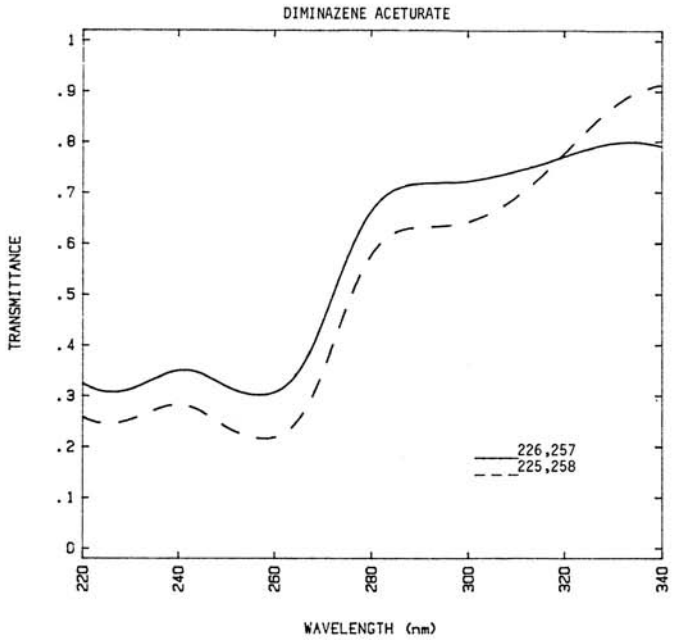
DIMINAZENE ACETURATE

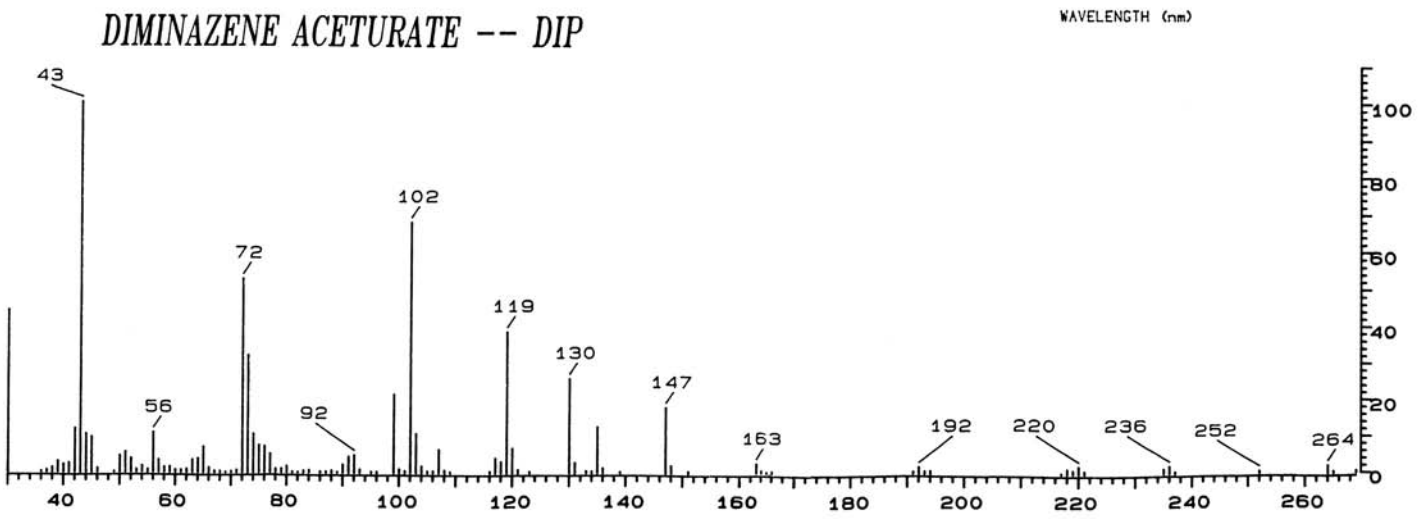
$C_{22}H_{29}N_9O_6$

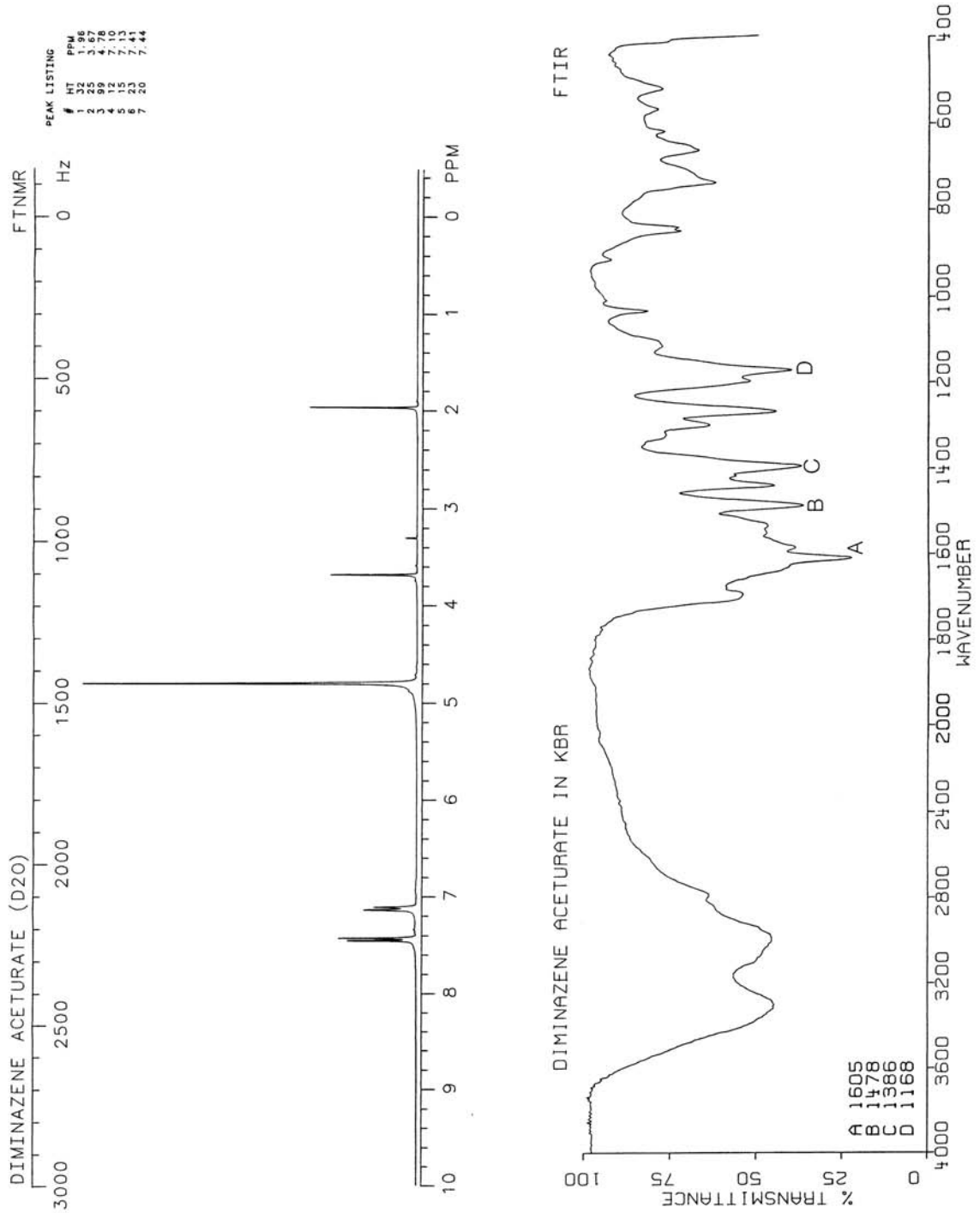
Molecular weight: 515.54 (515.22)
Synonyms: N-Acetylglycine compound with 4,4'-(diazoamino)dibenzamidine; diminazene diaceturate
Trade names: Azidin, Berenil, Ganasag

Use: Antiprotozoal
HPLC:
GC:








DIMINAZENE ACETURATE (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 32 1.96
2 25 3.77
3 99 4.78
4 12 7.10
5 15 7.13
6 23 7.41
7 20 7.44
10 9 8 7 6 5 4 3 2 1 0 PPM
DIMINAZENE ACETURATE IN KBR
FTIR
A 1605
B 1478
C 1386
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

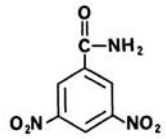
3, 5-DINITROBENZAMIDE

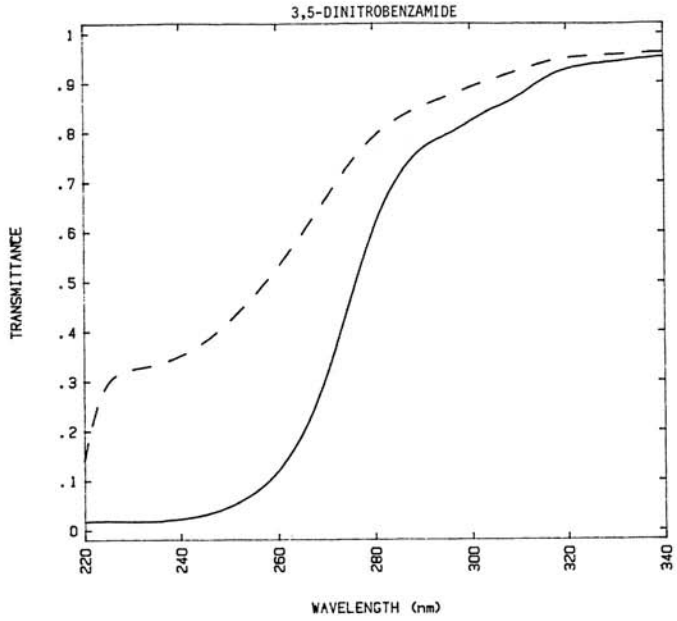
$C_7H_5N_3O_5$

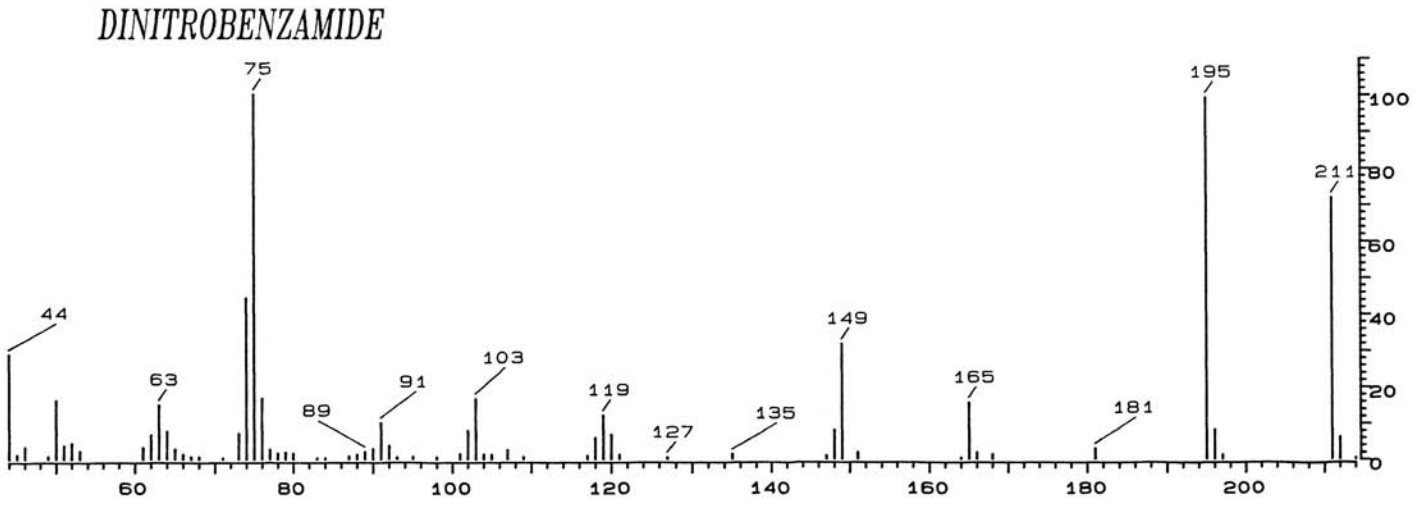
Molecular weight: 211.13 (211.02)
Synonyms: Nitromide

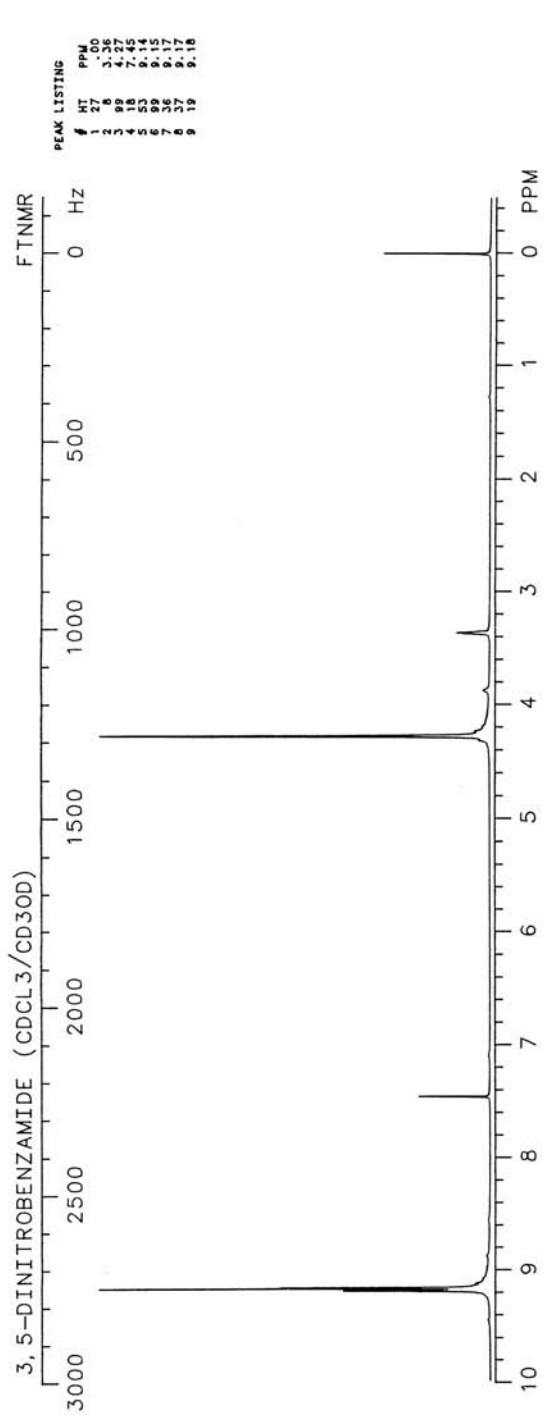
Trade names: Tristat, Unistat, Unistat-3

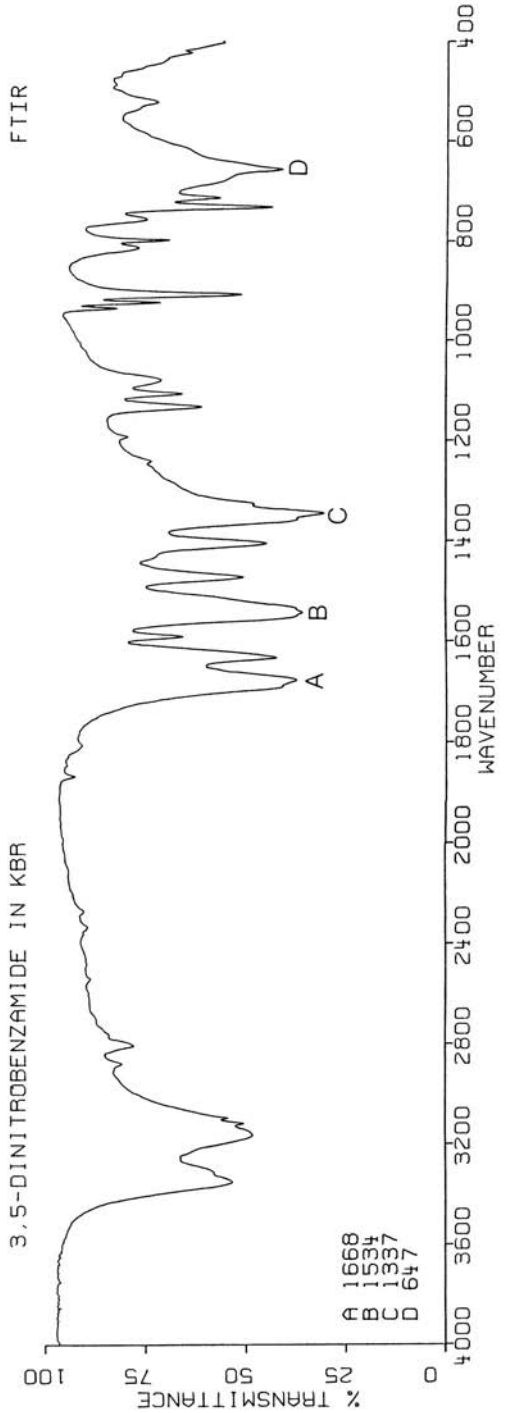
Use: Antibacterial
HPLC: Si-10; 1A:99B; 3.6
GC:








3,5-DINITROBENZAMIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 27 .00
2 6 3.36
3 98 4.27
4 15 7.45
5 53 9.14
6 99 9.15
7 36 9.17
8 37 9.17
9 19 9.18
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


3,5-DINITROBENZAMIDE IN KBR
FTIR
A 1668
B 1534
C 1337
D 647
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

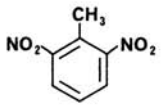
2,6-DINITROTOLUENE

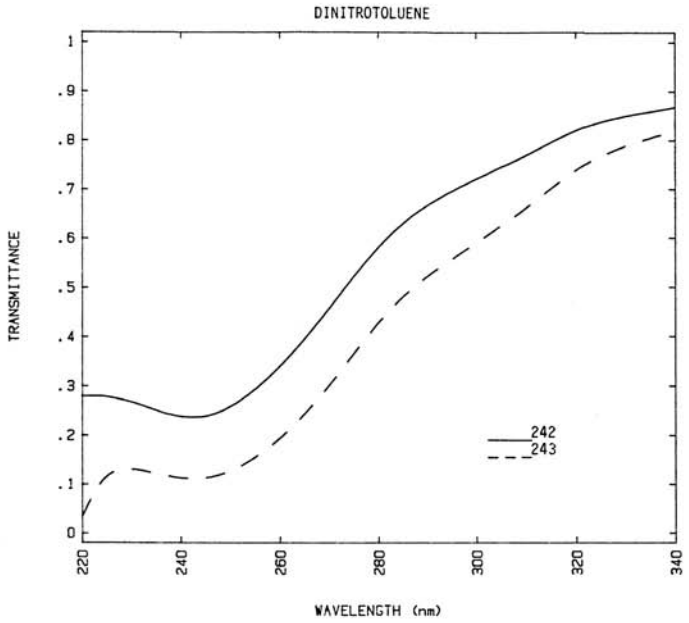
$C_7H_6N_2O_4$

Molecular weight: 182.11 (182.03)
Synonyms: Dinitromethylbenzene

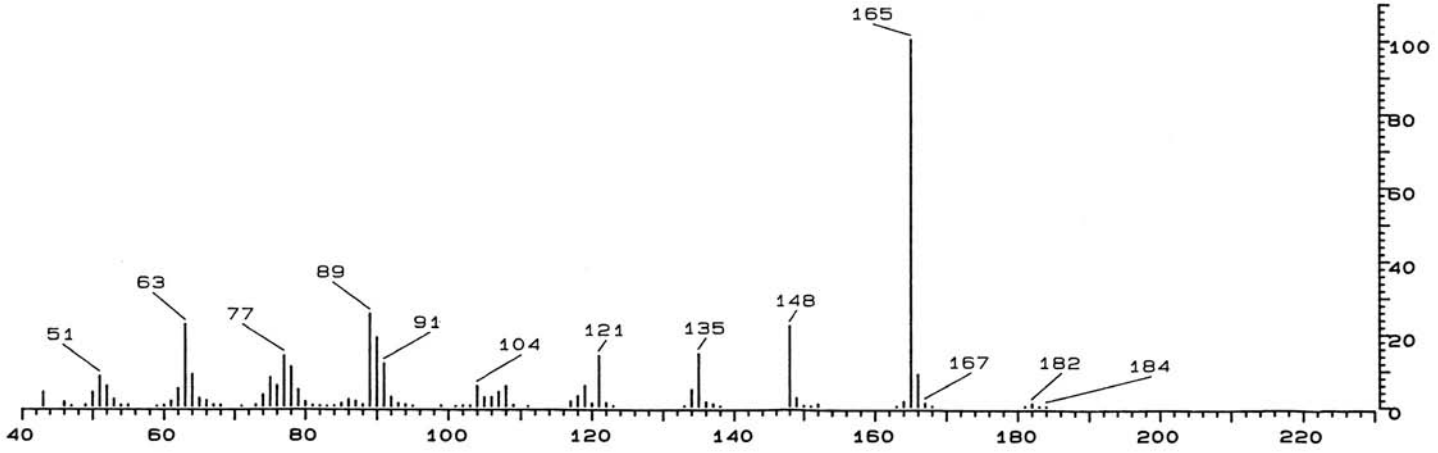
Trade names:

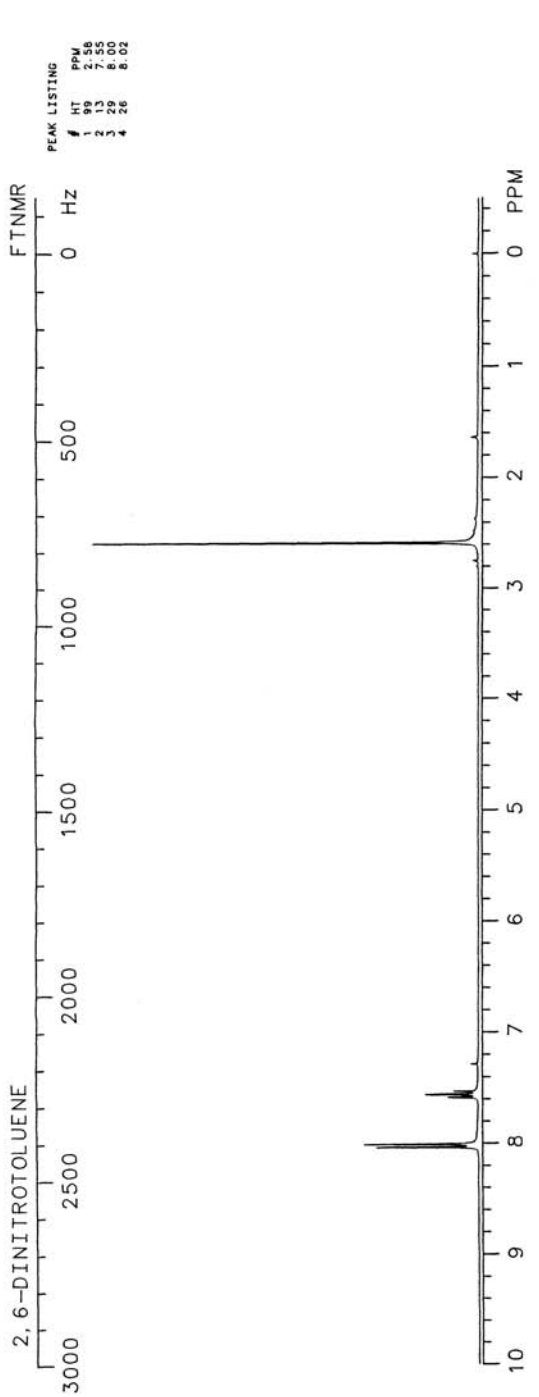
Use:
HPLC:
GC:

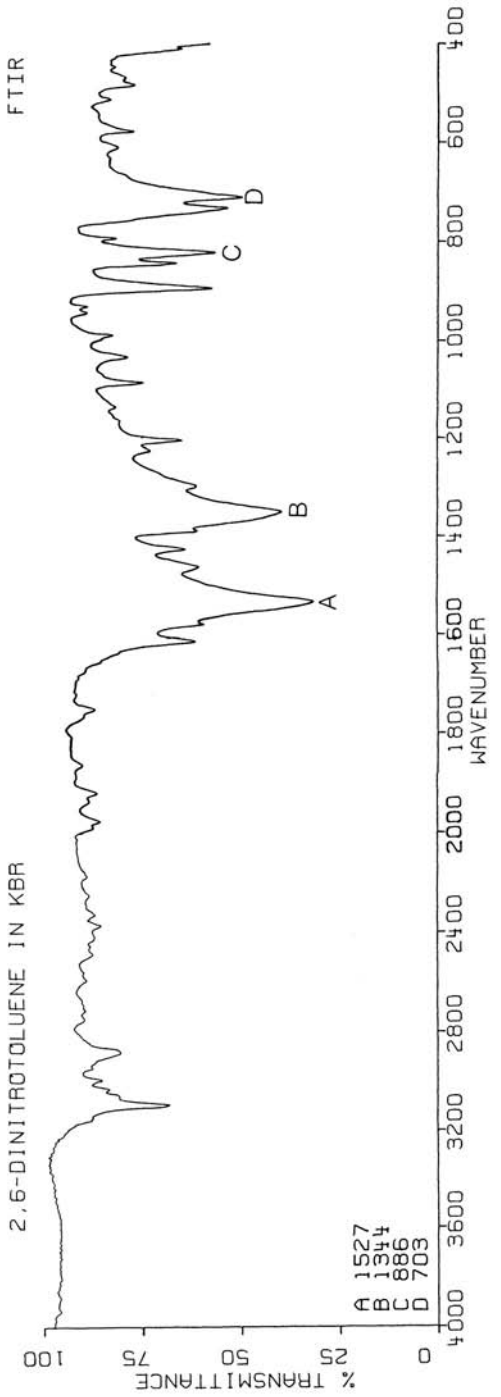




2,6 DINITROTOLUENE




2,6-DINITROTOLUENE
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 2.56
2 13 7.55
3 29 8.05
4 26 8.02


2,6-DINITROTOLUENE IN KBR
FTIR
A 1527
B 1344
C 886
D 703
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

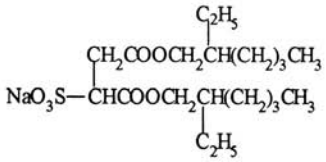
DIOCTYL SULFOSUCCINATE SODIUM

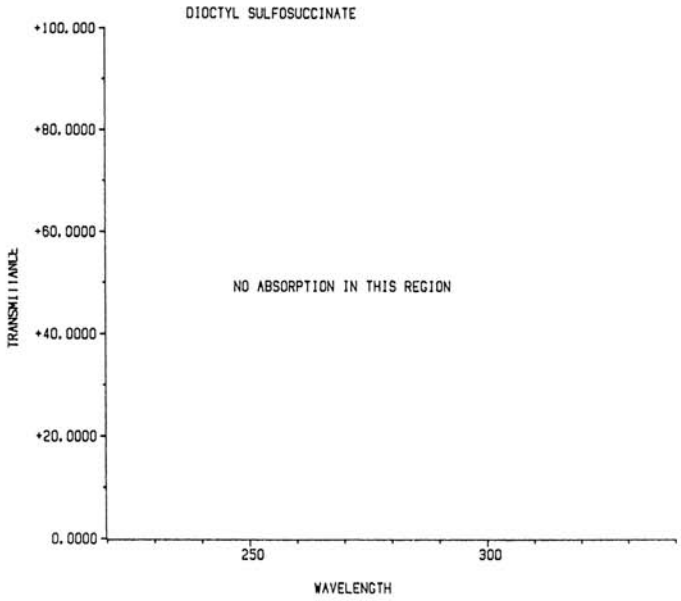
$C_{20}H_{37}O_7SNa$

Molecular Weight: 444.56 (444.22)

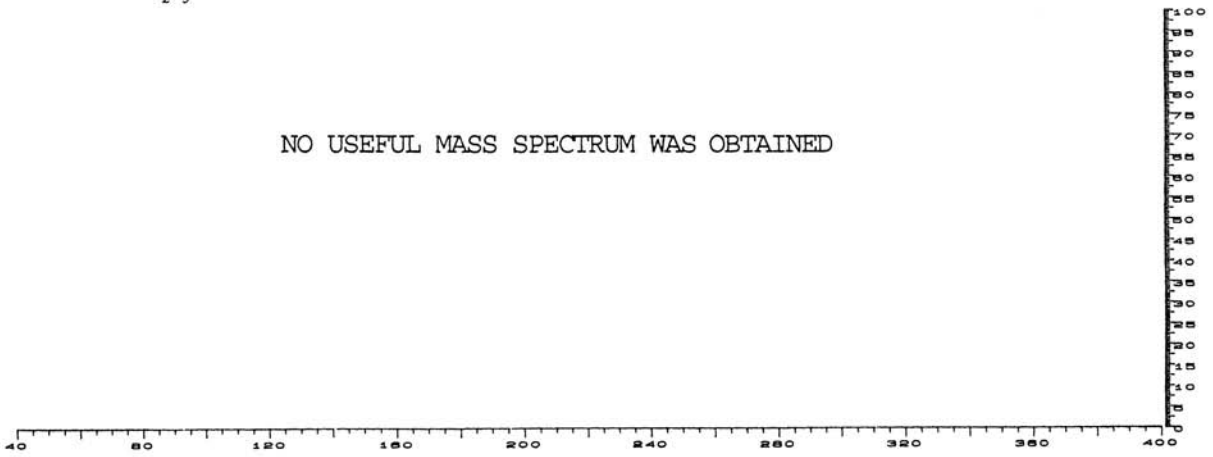
Synonyms: Sulfobutanedioic acid 1,4-bis-(2-ethylhexyl) ester sodium salt; sulfosuccinic acid 1,4-bis(2-ethylhexyl) ester sodium salt; docusate sodium
Trade Names: Aerosol OT, Alphasol OT, Colace, Comfolax, Complemix, Coprol, Dialose, Diocto, dioctylal, Diotilan, Diovac, Disonate, Docusate Sodium, Doxinate, Doxol, Dulsivac, Feet Sof-Lax, Hemaspan, Modane, Molatoc, Molcer, Molofac, Nevax, Peri-Colace, Regutol, Senokot-S, Softil, Soliwax, Solusol, Sulfimel, Valsol, Velmol, Waxsol, Yal
Use: Laxative

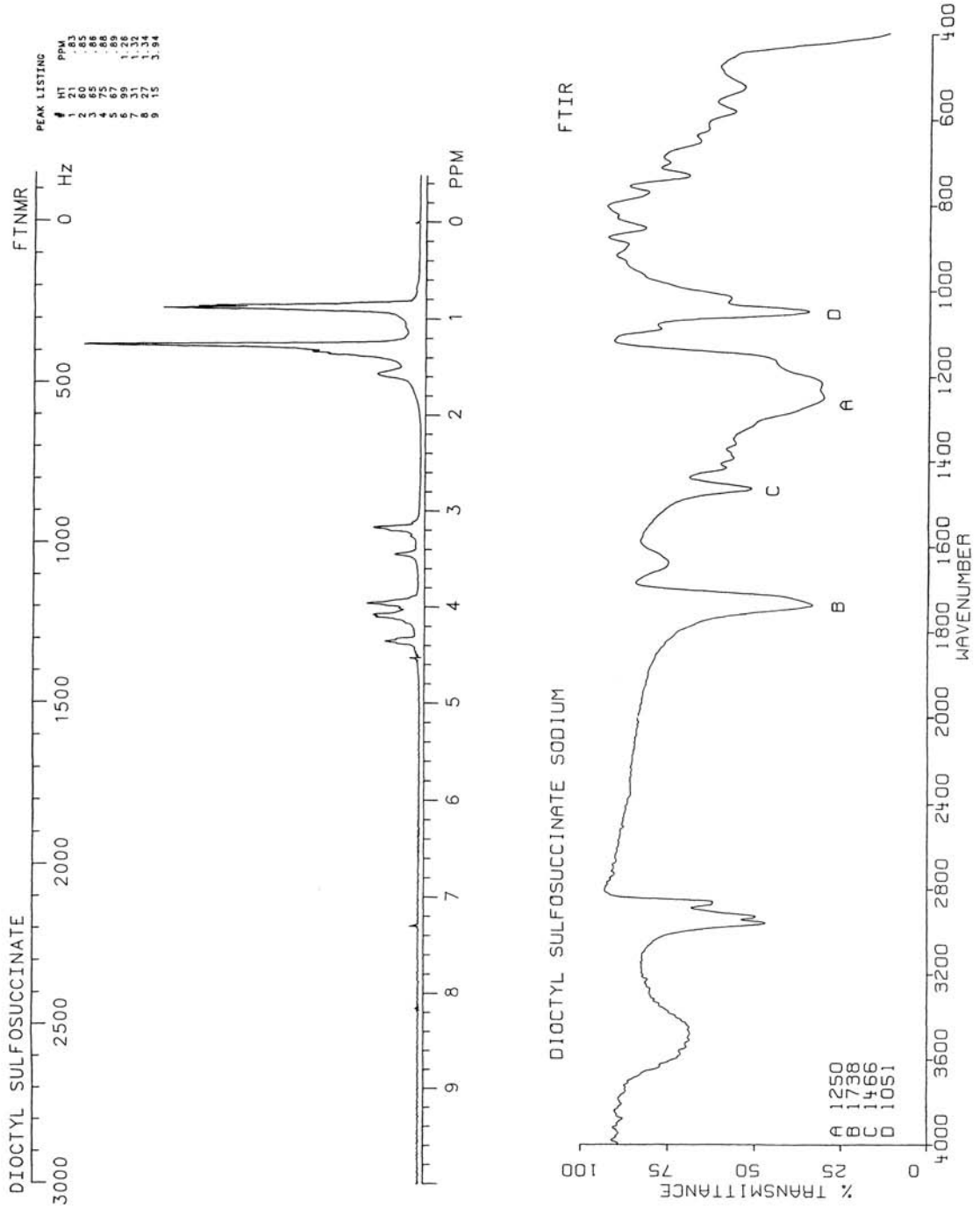
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



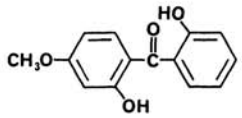

DIOCTYL SULFOSUCCINATE
FTNMR
PEAK LISTING
HT PPM
1 .21 .83
2 .20 .85
3 .65 .86
4 .75 .88
5 .67 .89
6 .99 1.26
7 .31 1.32
8 .27 1.34
9 .15 3.94
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
DIOCTYL SULFOSUCCINATE SODIUM
FTIR
A 1250
B 1738
C 1466
D 1051
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

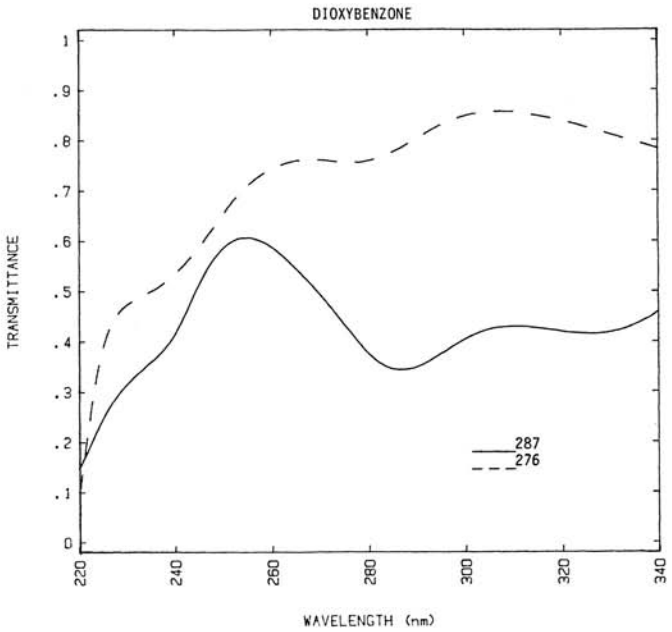
DIOXYBENZONE

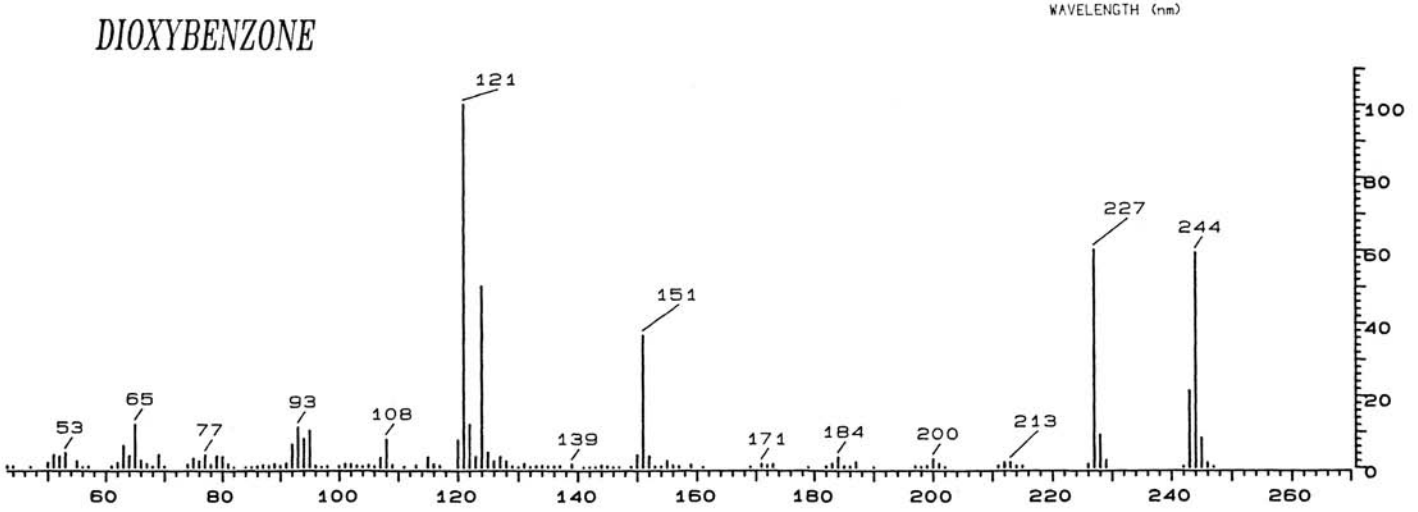
$C_{14}H_{12}O_4$

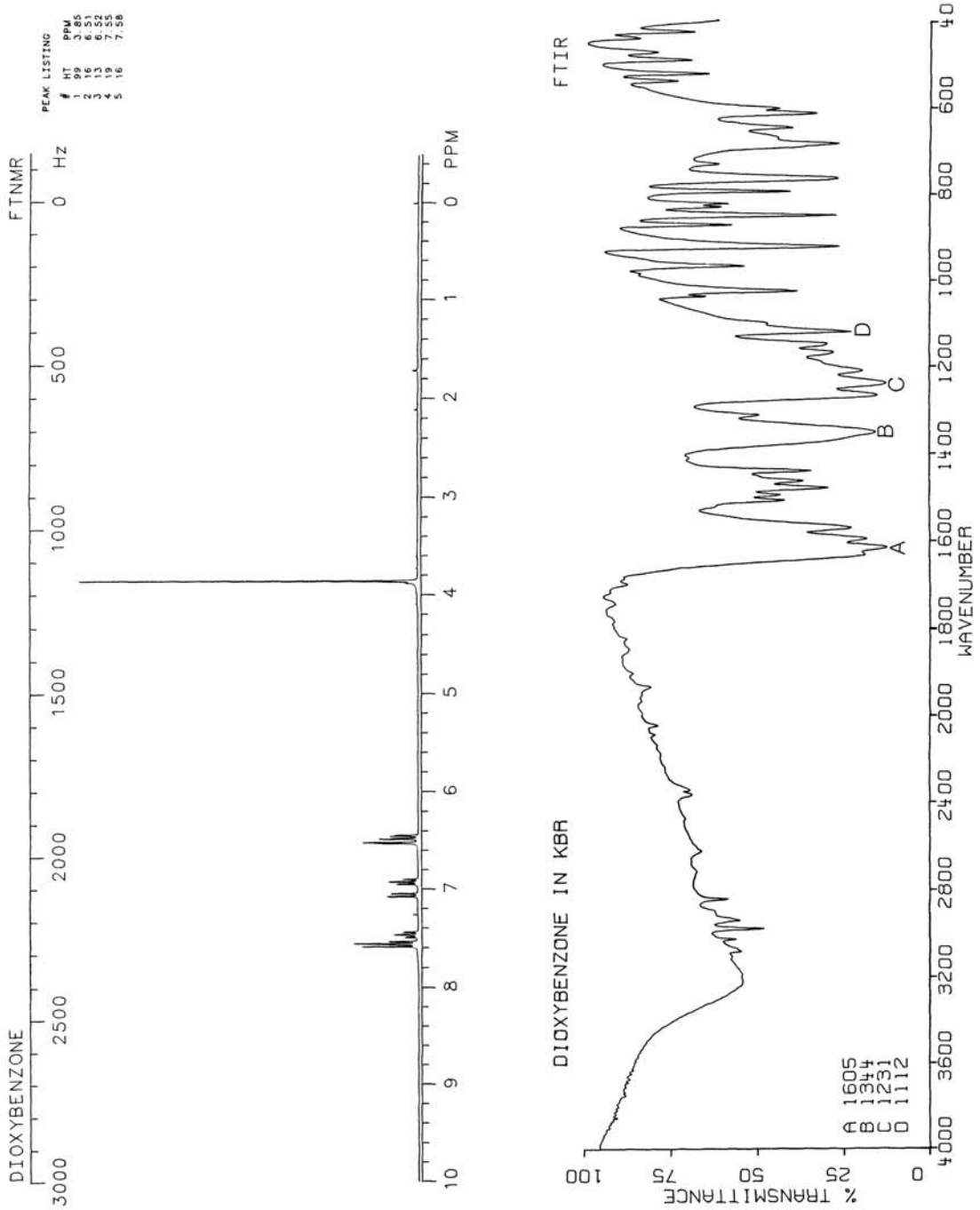
Molecular weight: 244.24 (244.07)
Synonyms: (2-Hydroxy-4-methoxyphenyl)(2-hydroxyphenyl)methanone; benzophenone-8
Trade names: Solbar PF 15 Sun Protectant

Use: Ultraviolet sunscreen
HPLC:
GC:







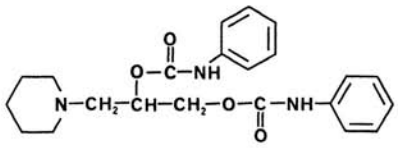

DIOXYBENZONE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 3.85
2 16 6.51
3 13 6.52
4 19 7.55
5 16 7.58
10 9 8 7 6 5 4 3 2 1 0 PPM
DIOXYBENZONE IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 40
WAVENUMBER
A 1605
B 1344
C 1231
D 1112
A
B
C
D

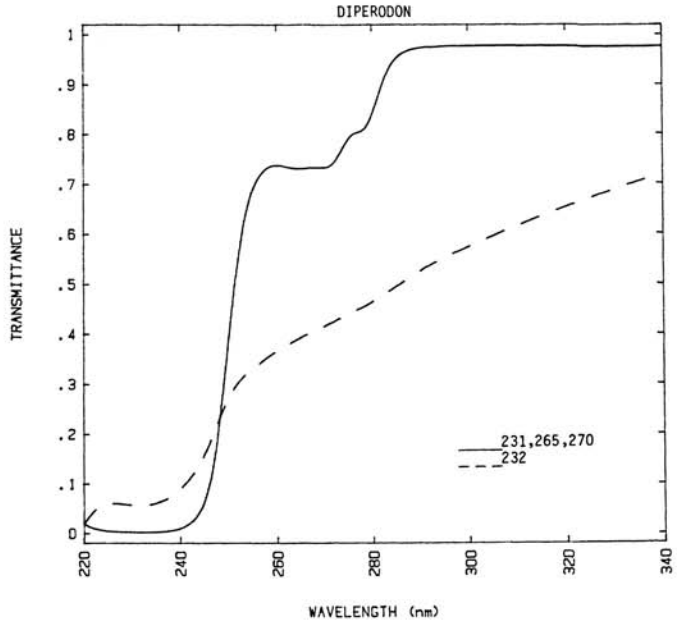
DIPERODON

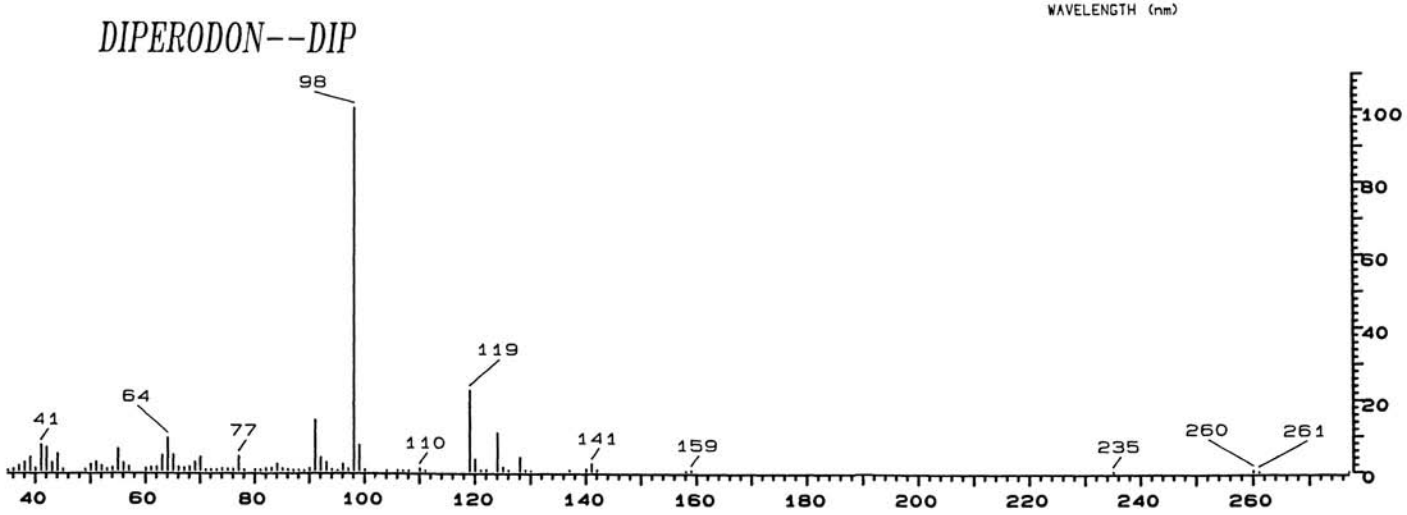
$C_{22}H_{27}N_3O_4$

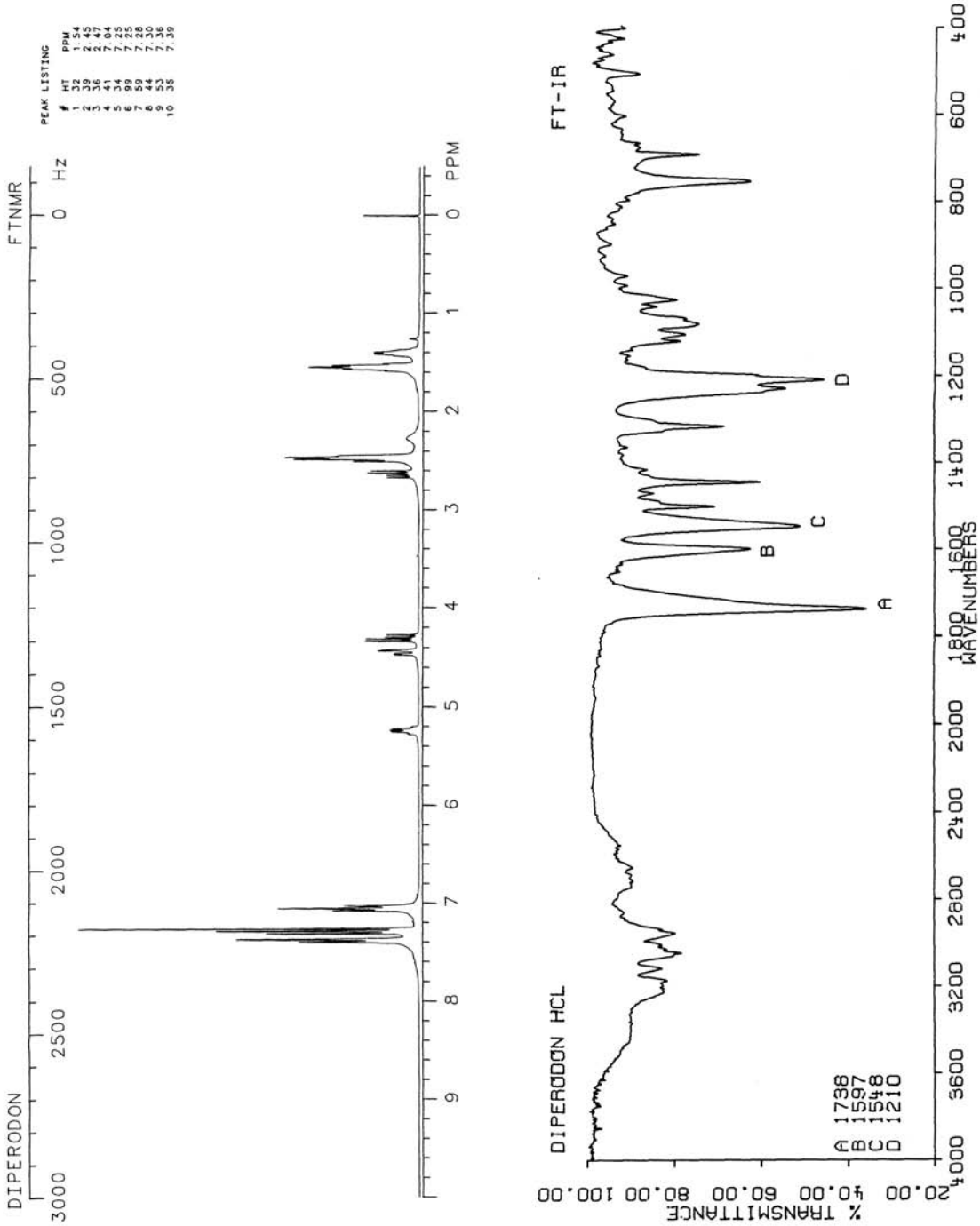
Molecular weight: 397.48 (397.20)
Synonyms: 3-(1-Piperidinyl)-1,2-propanediol bis(phenylcarbamate); diperocaine
Trade names: Diothane

Use: Anesthetic
HPLC: Si-10; 1A:99B; 7.5
GC: 2365; 250°C





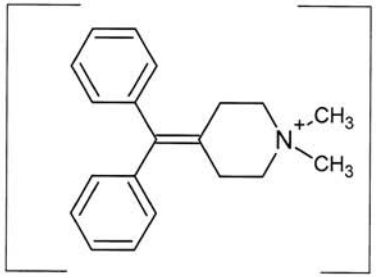



DIPERODON
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 32 1.54
2 39 2.45
3 36 2.47
4 41 7.04
5 74 7.25
6 98 7.25
7 59 7.28
8 44 7.30
9 53 7.36
10 35 7.39
DIPERODON HCL
FT-IR
A 1738
B 1597
C 1548
D 1210
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

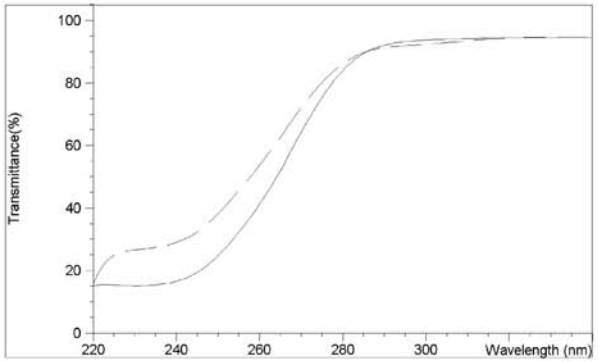
DIPHEMANIL METHYLSULFATE

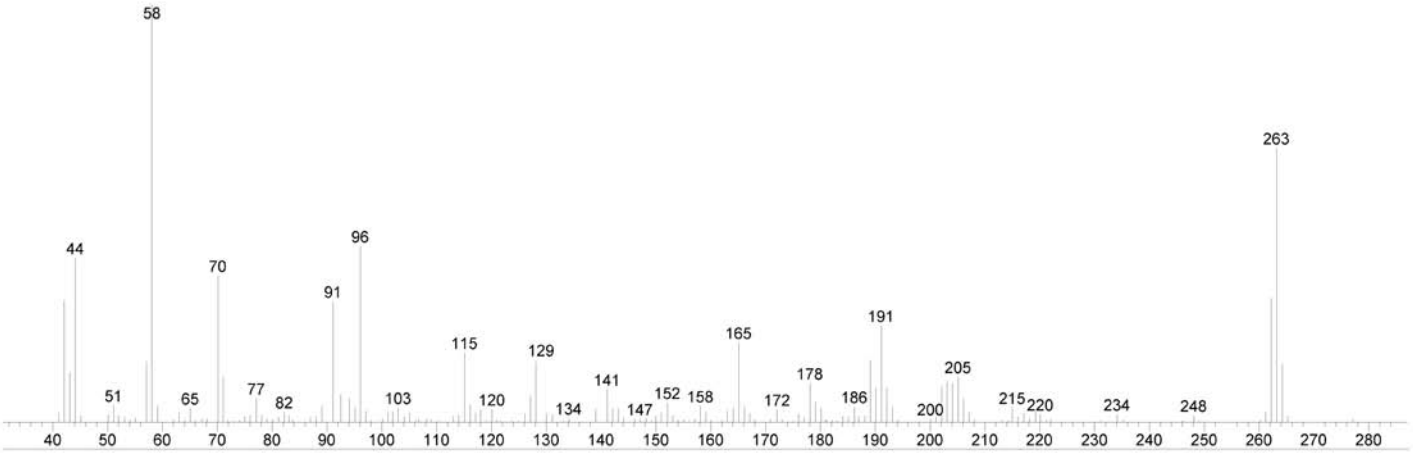
$C_{21}H_{27}NO_4S$

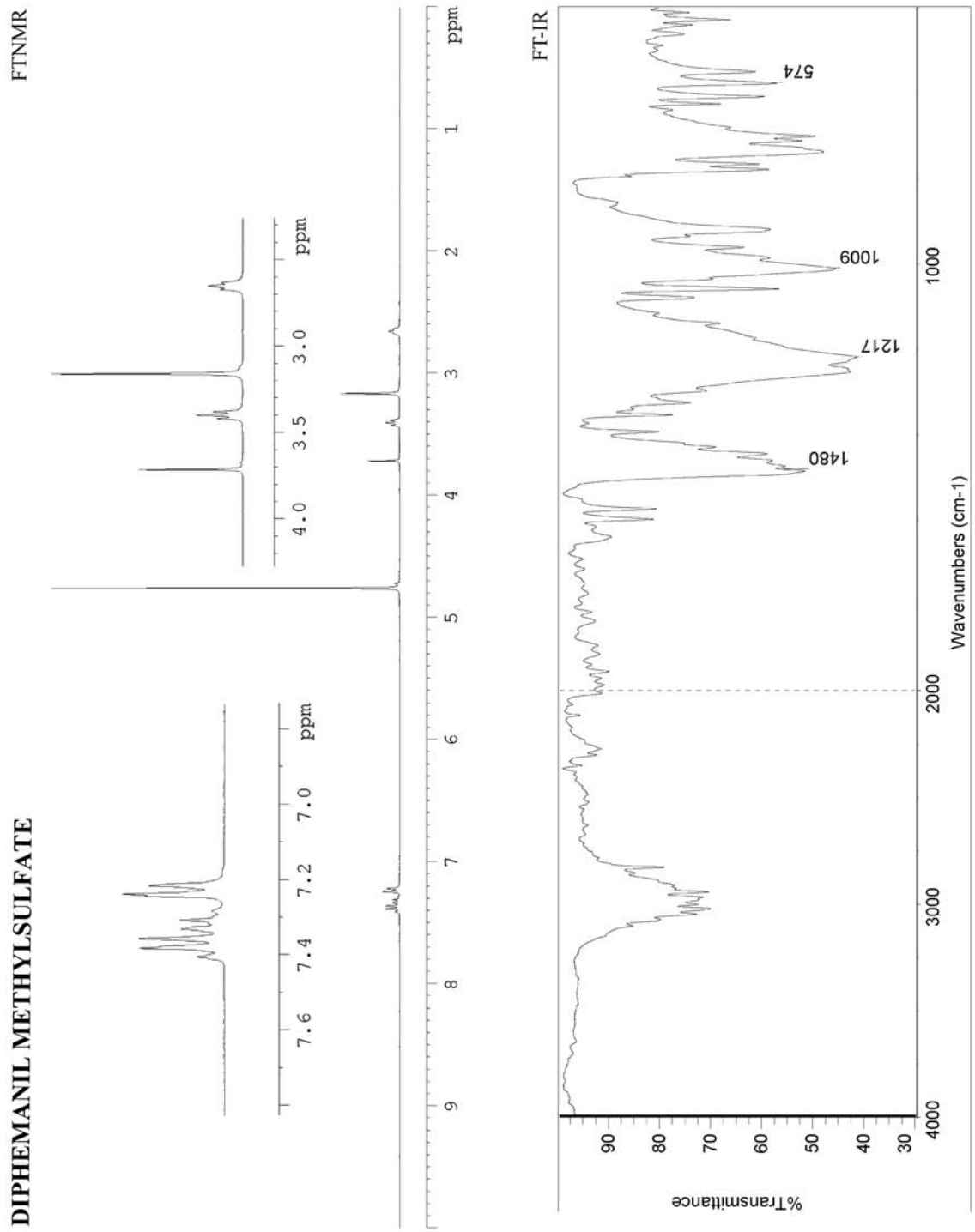
Molecular Weight: 389.51 (389.17)
Synonyms: 4-(Diphenylmethylene)-1,1-dimethylpiperidinium methyl sulfate
Trade names: Prantal
Use: Treatment of hyperhidrosis, Anticholingeric



$CH_3SO_4^-$






DIPHEMANIL METHYLSULFATE
FTNMR
ppm
FT-IR
574
1009
1217
1480
%Transmittance
Wavenumbers (cm-1)

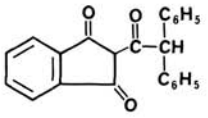
DIPHENADIONE

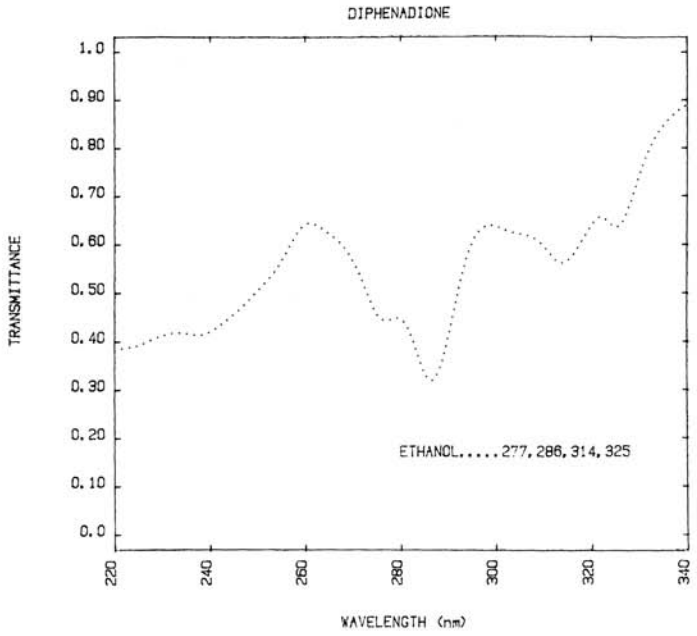
$C_{23}H_{16}O_3$

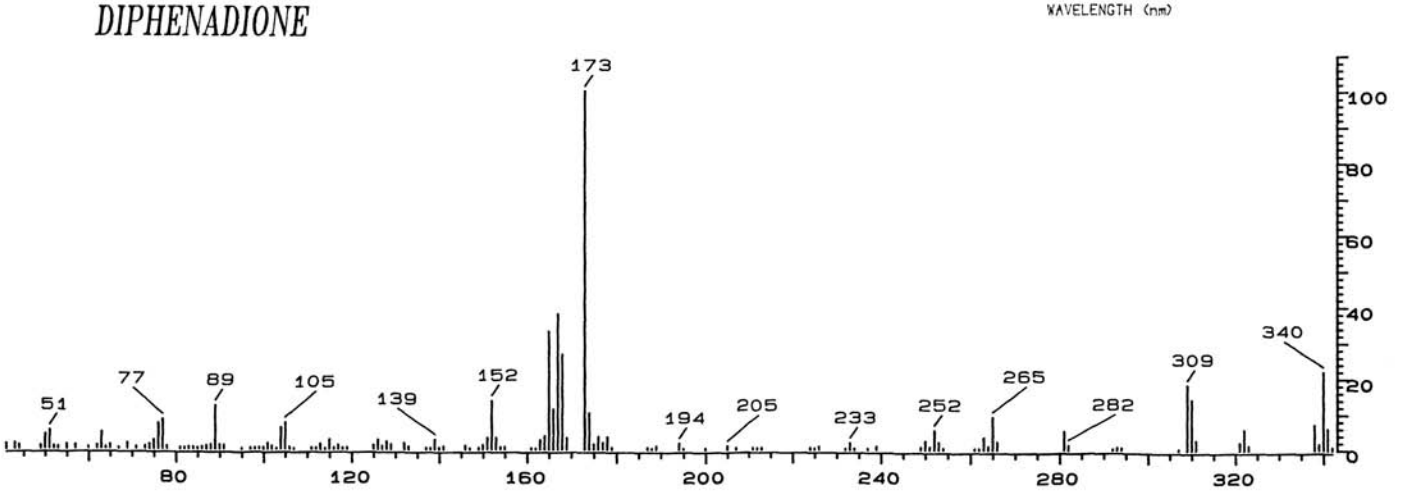
Molecular weight: 340.38 (340.11)
Synonyms: 2-(Diphenylacetyl)-1H-indene-1,3(2H)-dione

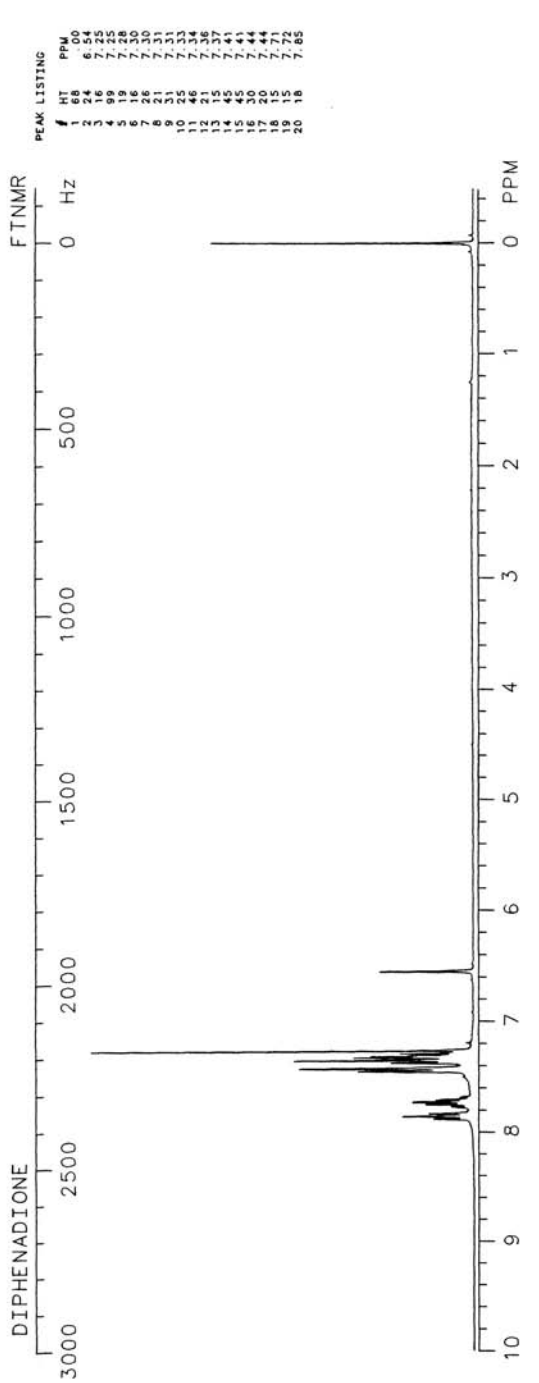
Trade names: Dipaxin

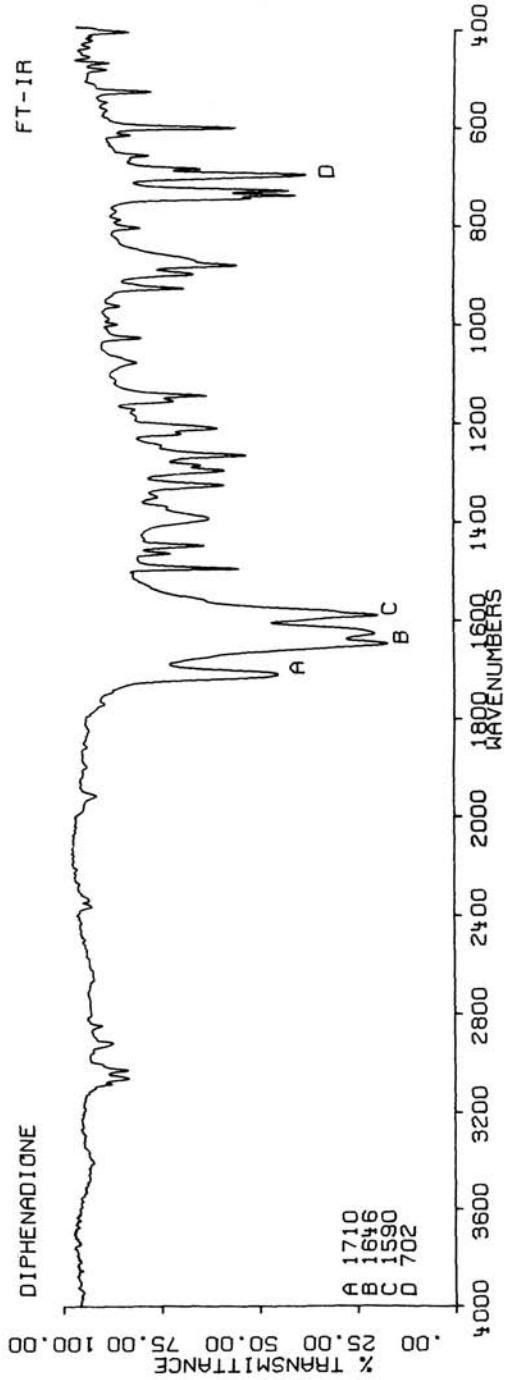
Use: Anticoagulant
HPLC: Si-10; 5A:95B; 4.0
GC: 2855; 280°C








DIPHENADIONE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 10 PPM
PEAK LISTING
f HT PPM
1 68 7.85
2 24 6.54
3 16 7.25
4 99 7.25
5 19 7.28
6 16 7.30
7 26 7.30
8 21 7.31
9 31 7.31
10 25 7.33
11 46 7.36
12 21 7.37
13 15 7.41
14 45 7.41
15 45 7.41
16 30 7.44
17 20 7.44
18 15 7.71
19 15 7.72
20 18 7.85

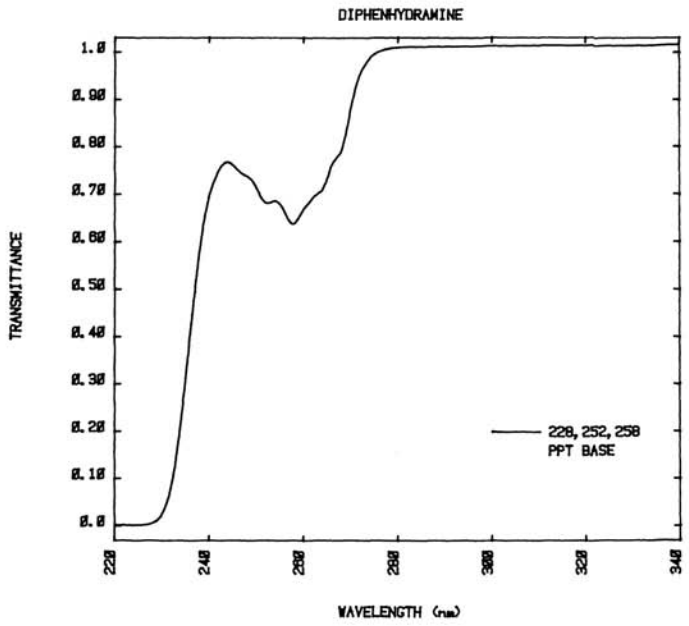

FT-IR
DIPHENADIONE
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1710
B 1646
C 1590
D 702

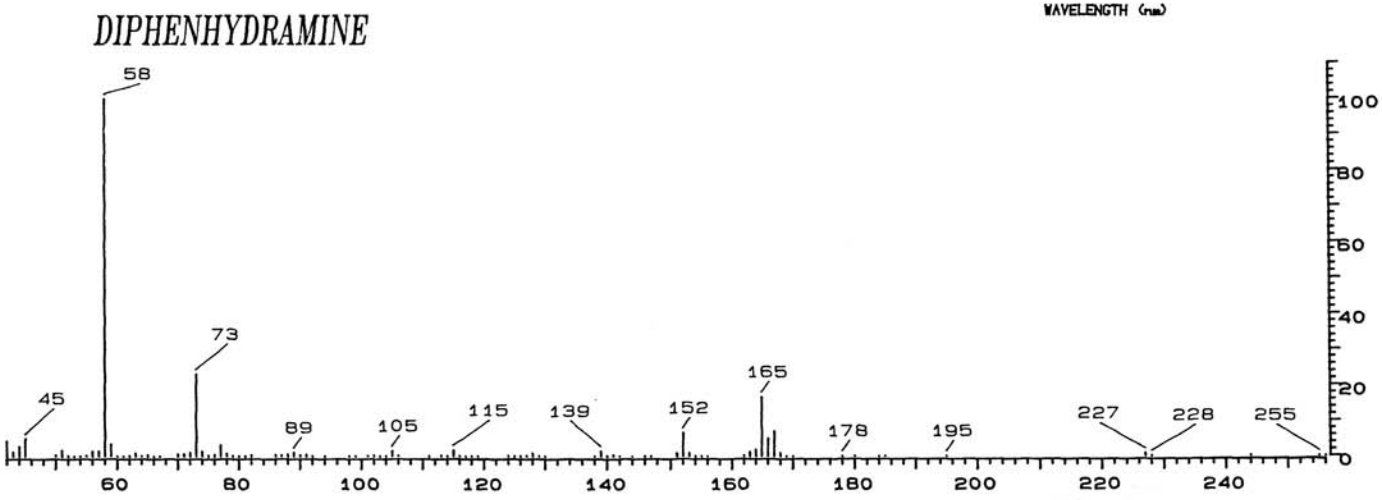
DIPHENHYDRAMINE

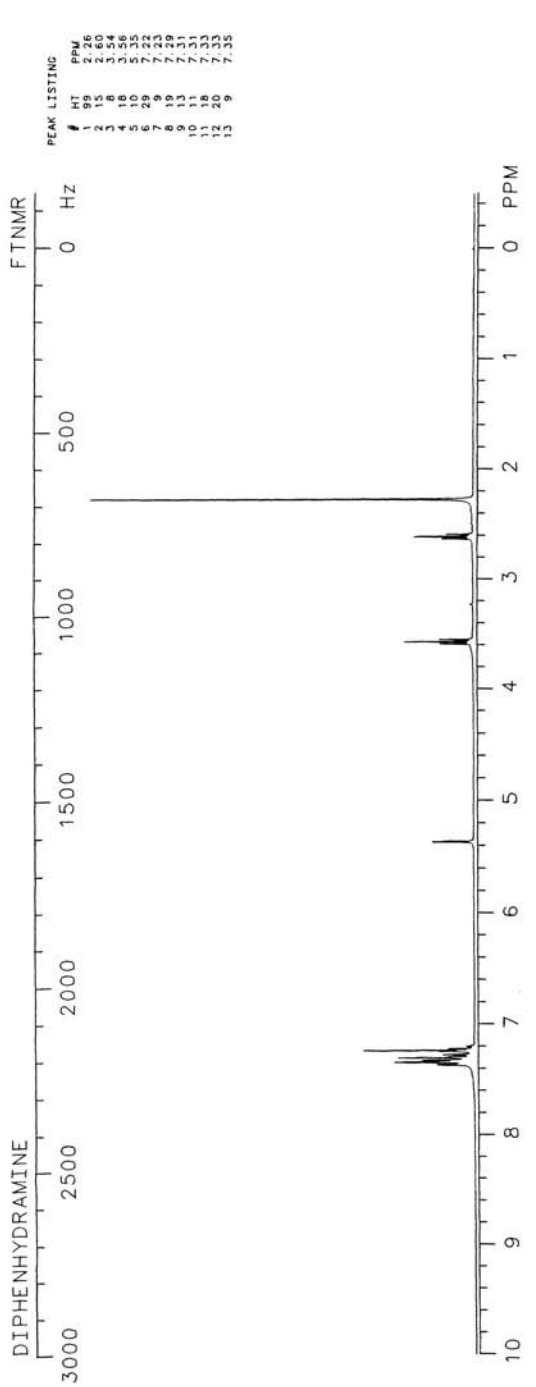
$C_{17}H_{21}NO$

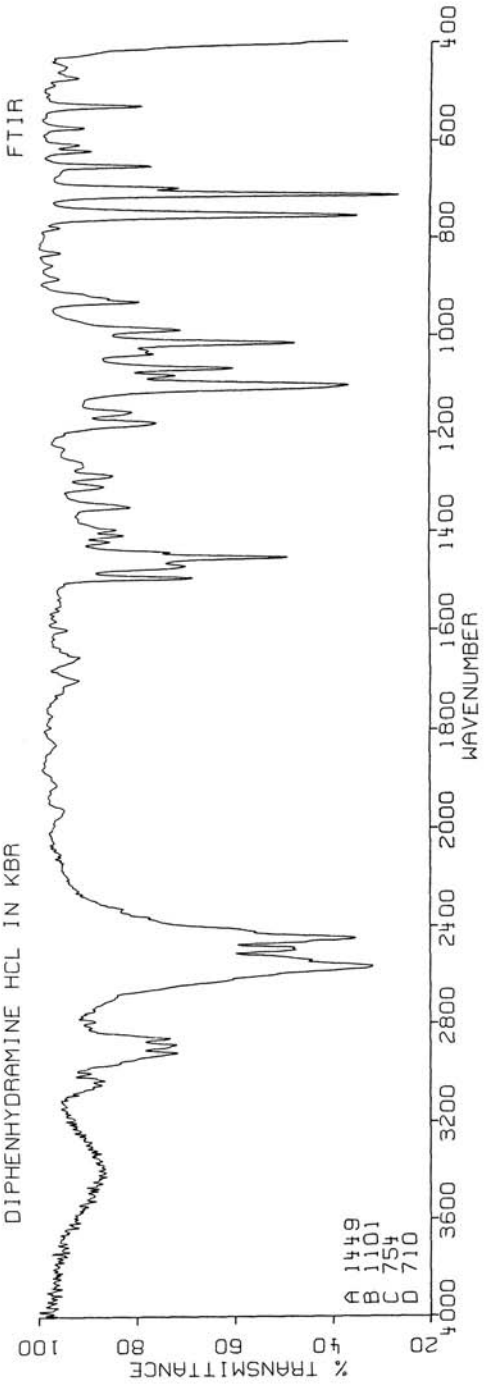
Molecular weight: 255.36 (255.16)
Synonyms: 2-Diphenylmethoxy-N,N-dimethyllethanamine; benzhydramine
Trade names: Benadryl, Caladryl, Dytuss

Use: Antihistaminic
HPLC: Si-10; 10A:90B; 4.0
GC: 1875; 200°C






DIPHENHYDRAMINE
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 2.26
2 15 2.60
3 18 3.54
4 18 3.56
5 10 5.35
6 29 7.22
7 9 7.23
8 19 7.29
9 13 7.31
10 11 7.33
11 18 7.33
12 20 7.35
13 9 7.35


DIPHENHYDRAMINE HCL 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 1449
B 1101
C 754
D 710

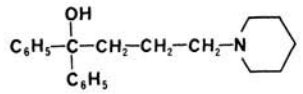
DIPHENIDOL

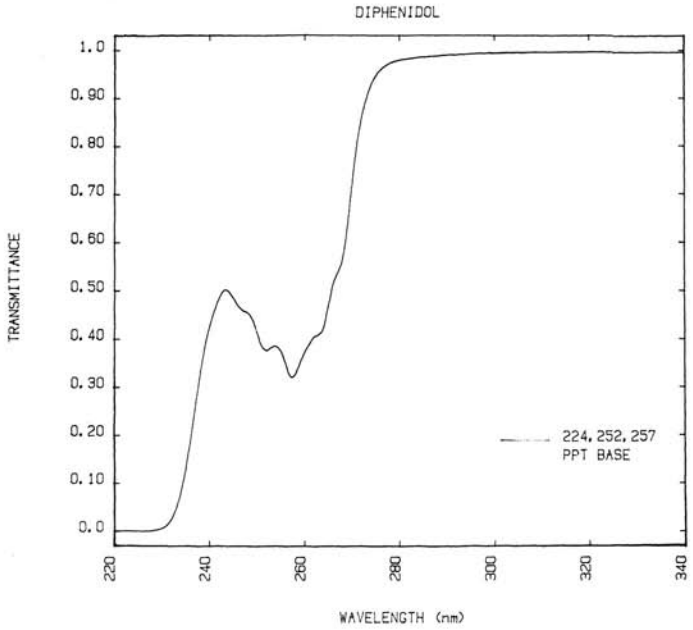
$C_{21}H_{27}NO$

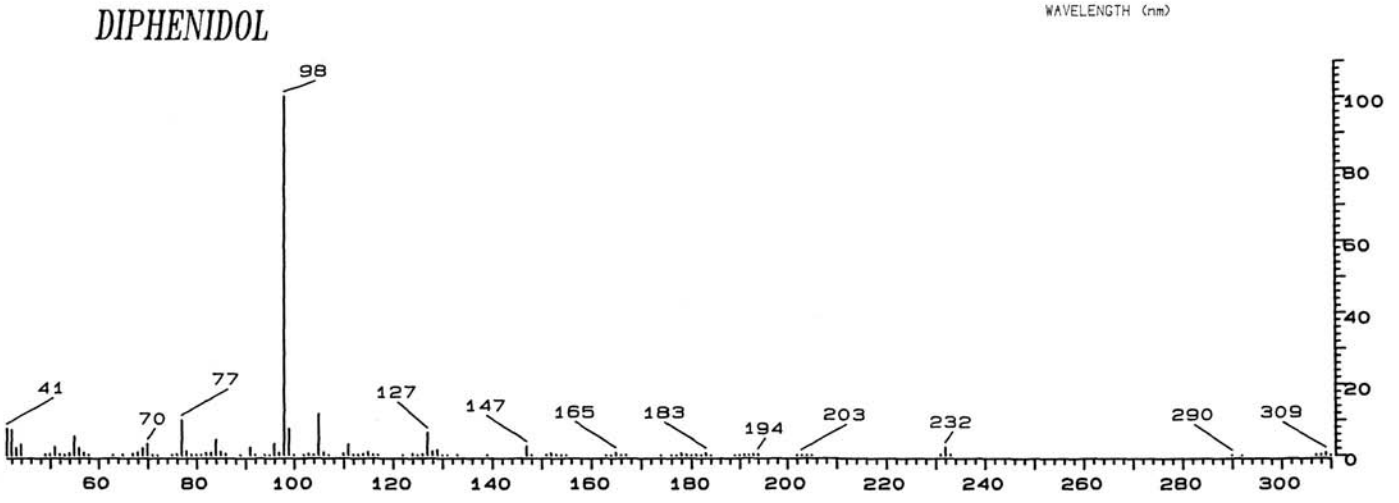
Molecular weight: 309.45 (309.21)
Synonyms: α,α-Diphenyl-1-piperidinebutanol

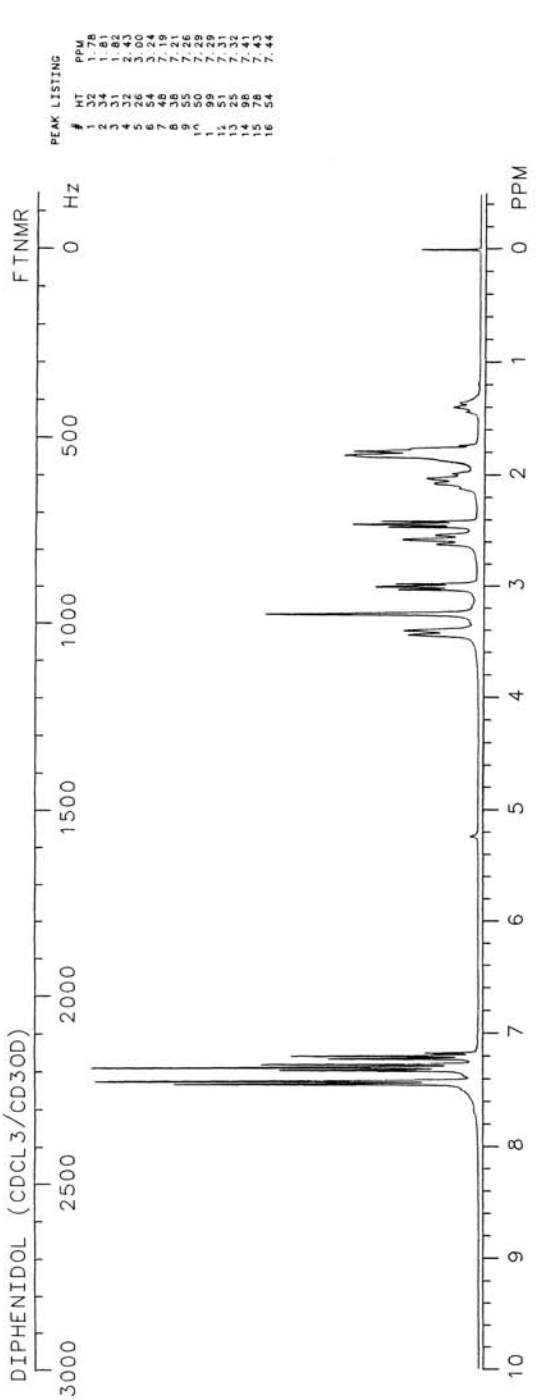
Trade names: Vontrol

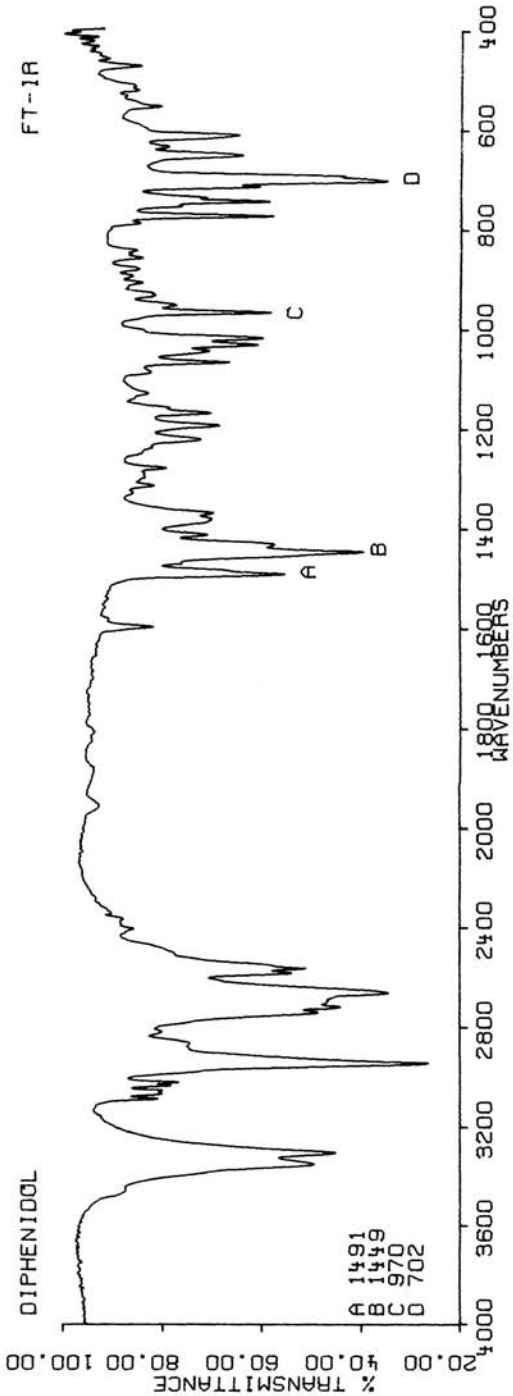
Use: Antiemetic
HPLC:
GC: 2431; 250°C








DIPHENIDOL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 32 1.78
2 34 1.81
3 31 1.82
4 32 2.43
5 26 3.00
6 54 3.24
7 48 7.19
8 38 7.21
9 55 7.26
10 50 7.29
11 99 7.31
12 51 7.32
13 25 7.41
14 98 7.43
15 78 7.44
16 54
10 9 8 7 6 5 4 3 2 1 0 PPM

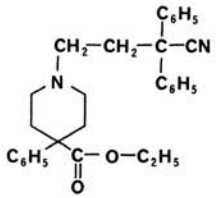

DIPHENIDOL
FT-IR
A 1491
B 1449
C 970
D 702
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

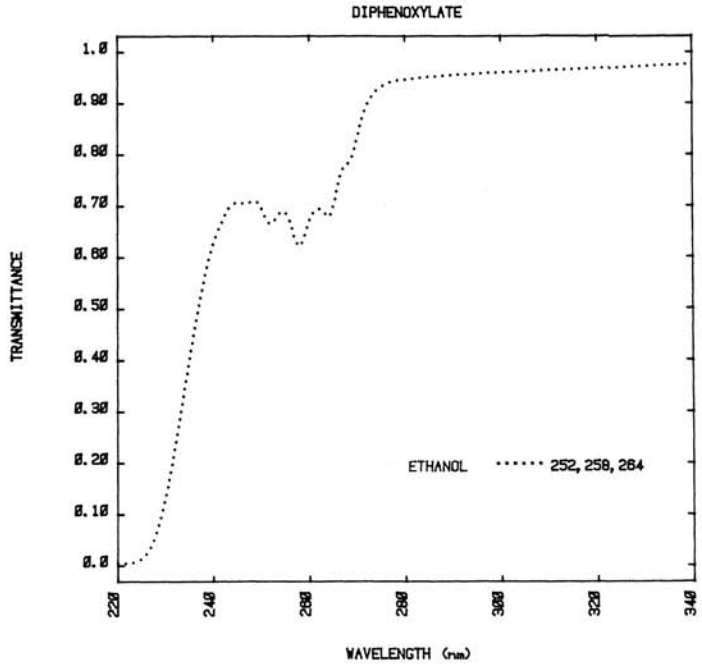
DIPHENOXYLATE

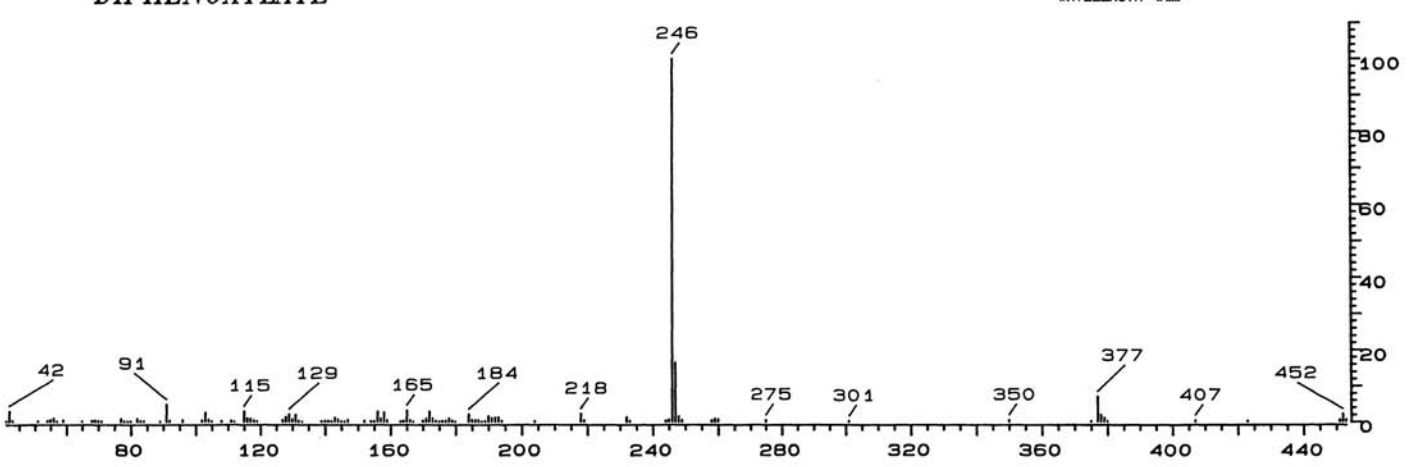
$C_{30}H_{32}N_2O_2$

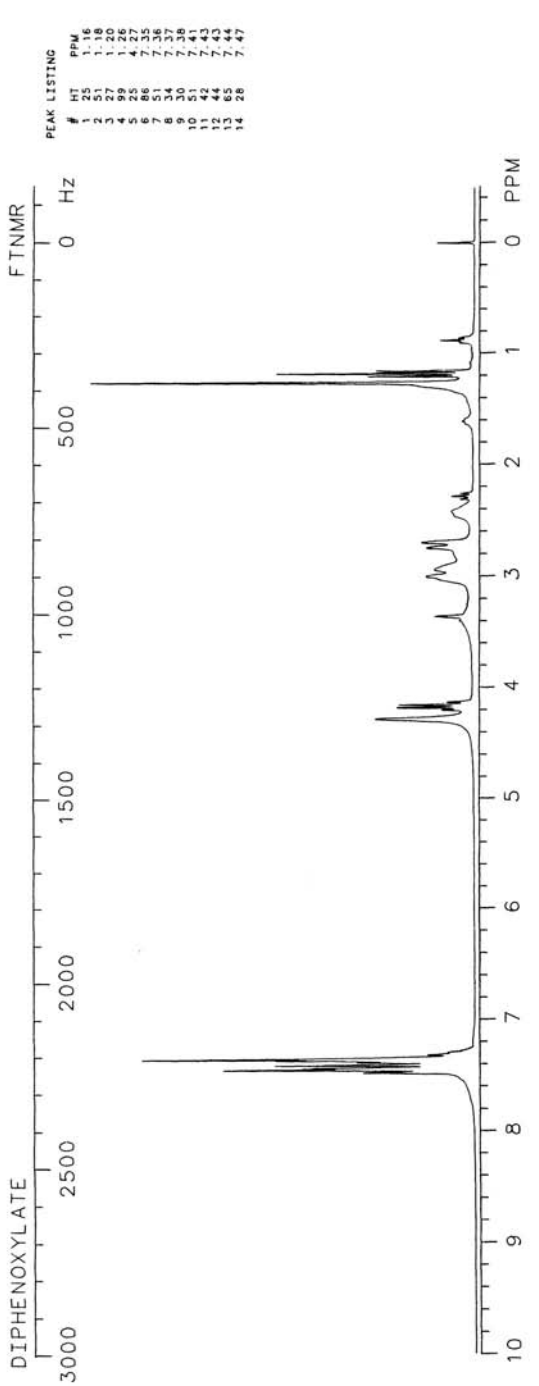
Molecular weight: 452.60 (452.25)
Synonyms: 1-(3-Cyano-3,3-diphenylpropyl)-4-phenyl-4-piperidinecarboxylic acid ethyl ester
Trade names: Lomotil

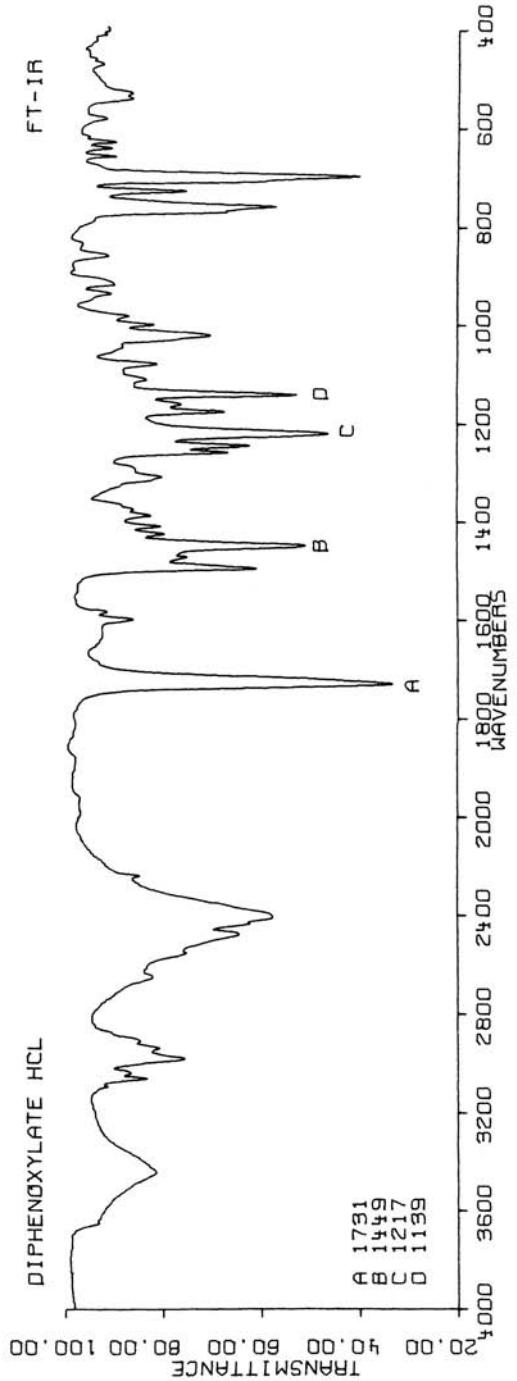
Use: Antiperistaltic
HPLC: Si-10; 5A:95B; 3.8
GC: 3458; 280°C








DIPHENOXYLATE
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 1.16
2 51 1.18
3 27 1.20
4 29 1.26
5 25 4.27
6 86 7.35
7 51 7.36
8 34 7.37
9 30 7.38
10 51 7.41
11 42 7.43
12 44 7.45
13 65 7.44
14 28 7.47


DIPHENOXYLATE 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 1731
B 1449
C 1217
D 1139

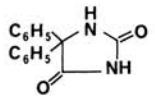
DIPHENYLHYDANTOIN

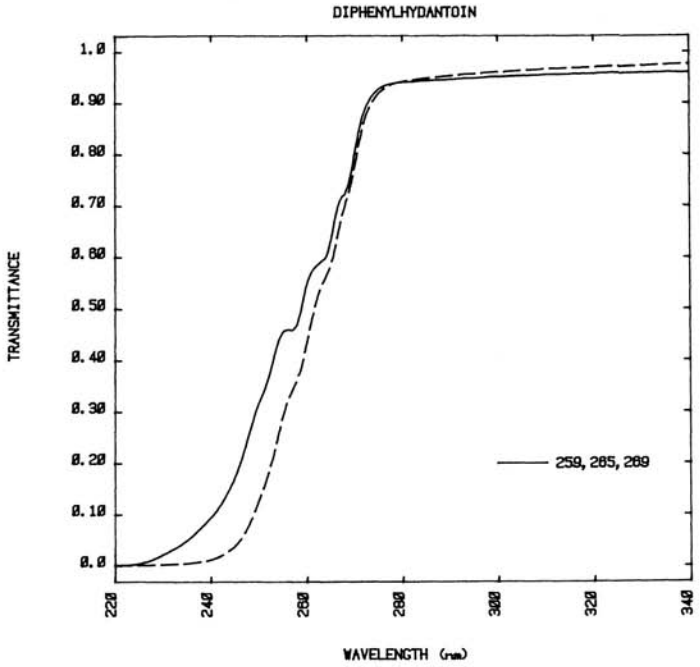
$C_{15}H_{12}N_2O_2$

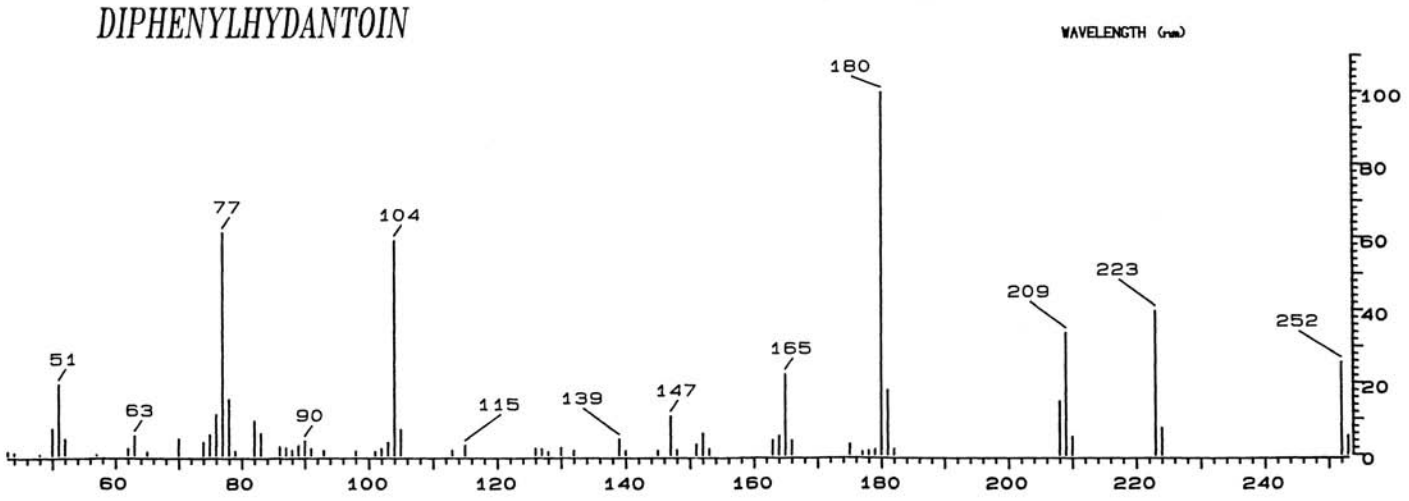
Molecular weight: 252.27 (252.09)
Synonyms: 5,5-Diphenyl-2,4-imidazolidinedione; phenytoin

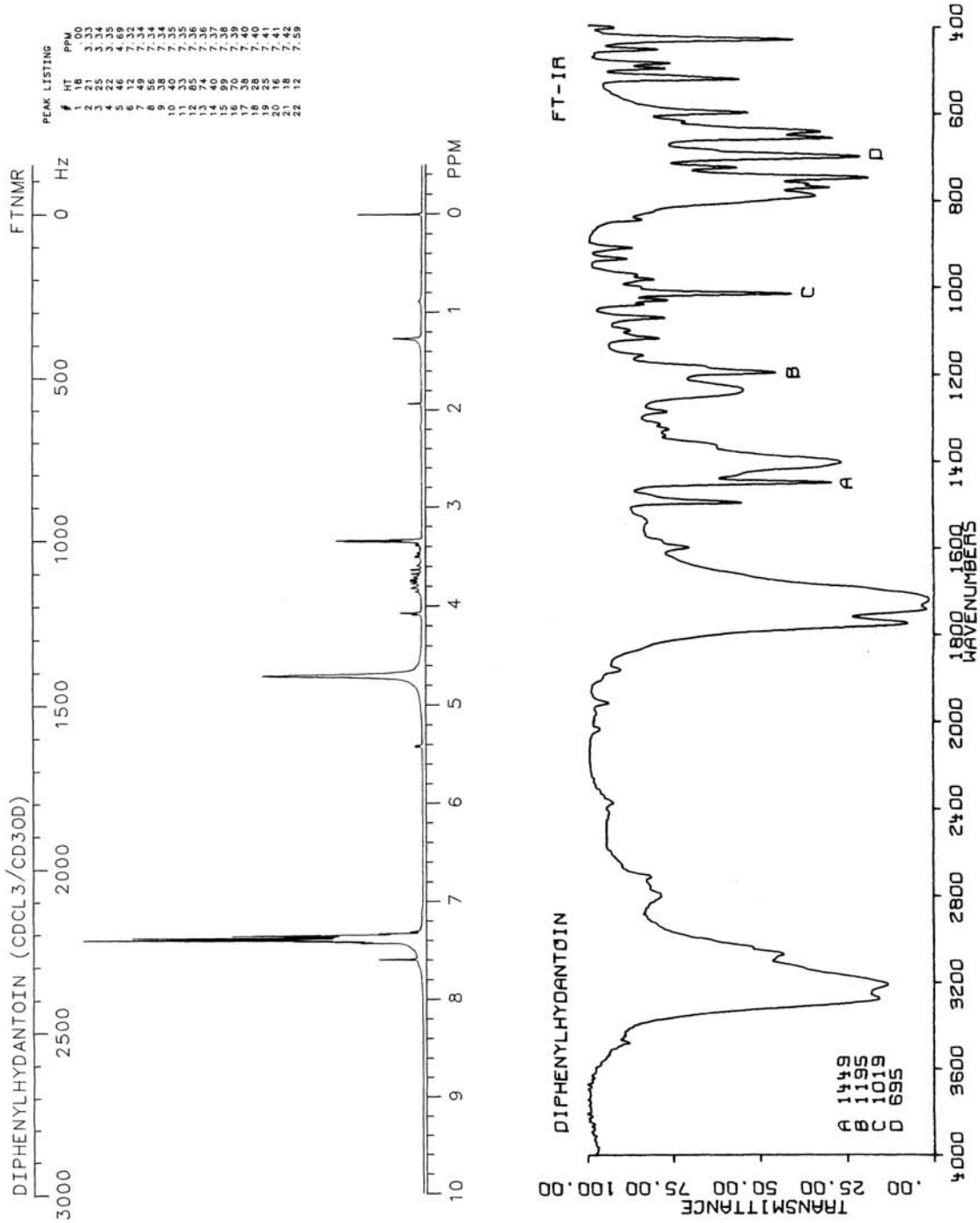
Trade names: Dilantin

Use: Anticonvulsant, antiepileptic
HPLC: Si-10; 1A:99B; 7.0
GC: 2427; 250°C








DIPHENYLHYDANTOIN (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 18 3.33
2 21 3.34
3 22 3.35
4 46 4.69
5 12 7.32
6 49 7.34
7 56 7.34
8 38 7.34
9 40 7.35
10 33 7.35
11 85 7.36
12 74 7.37
13 40 7.38
14 69 7.39
15 70 7.40
16 38 7.40
17 28 7.40
18 25 7.41
19 18 7.41
20 16 7.42
21 12 7.59
22
DIPHENYLHYDANTOIN
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 1449
B 1195
C 1019
D 695
A
B
C
D

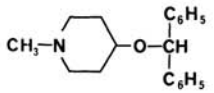
DIPHENYLPYRALINE

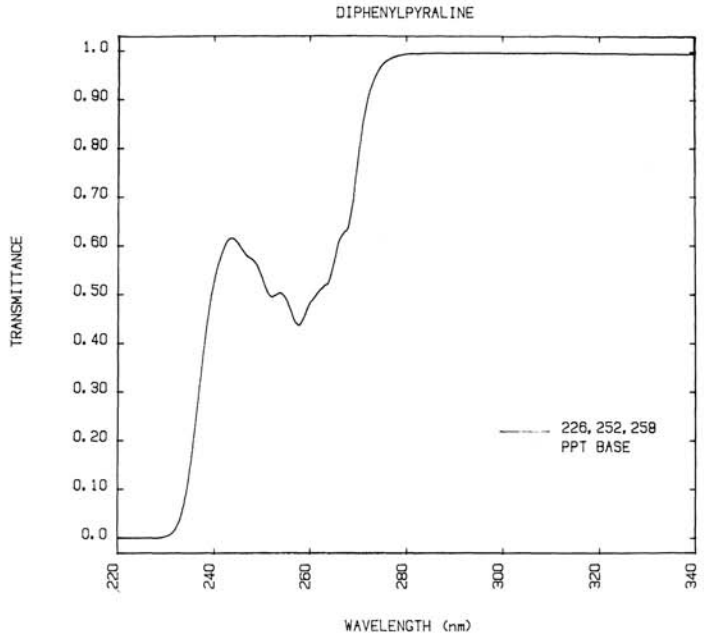
$C_{19}H_{23}NO$

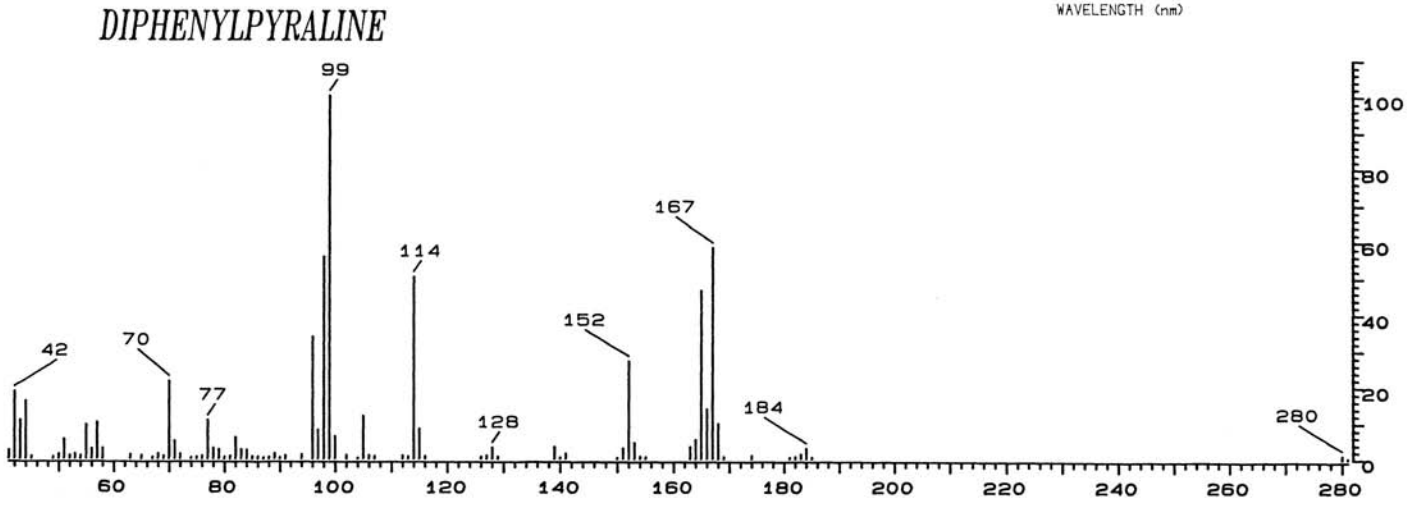
Molecular weight: 281.40 (281.18)
Synonyms: 4-(Diphenylmethoxy)-1-methylpiperidine; diphenylpyrilene

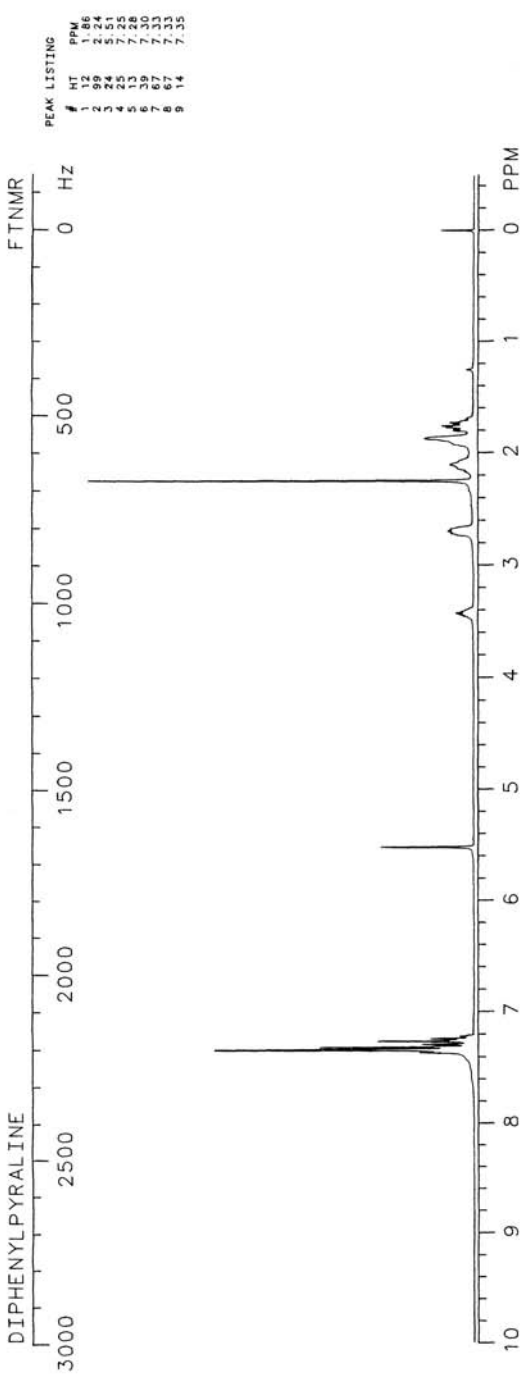
Trade names: Hispril

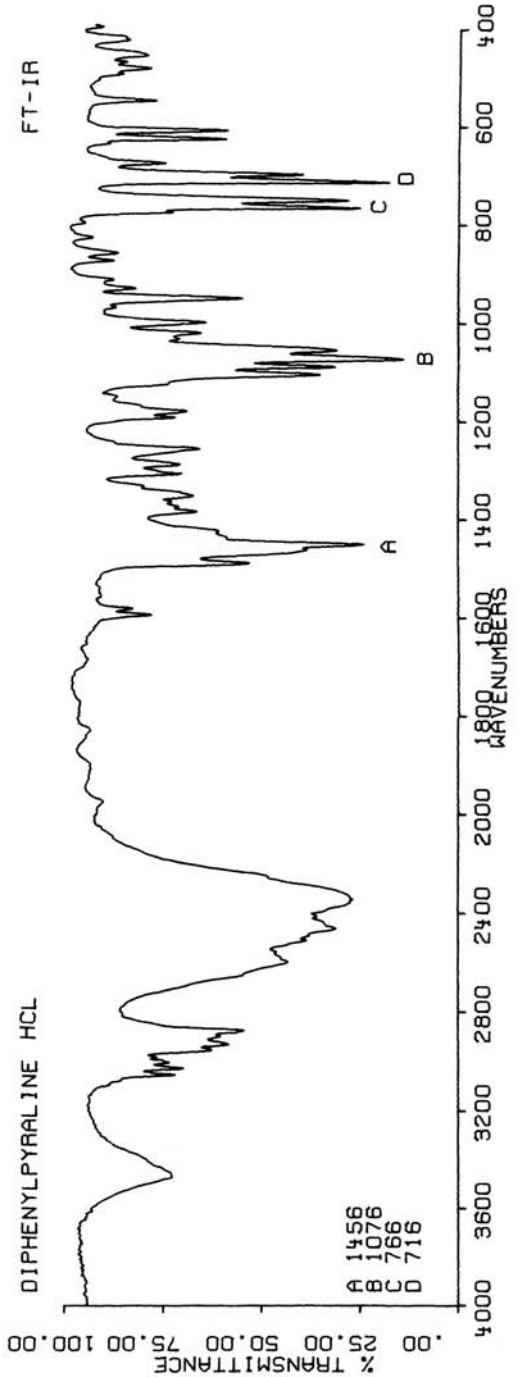
Use: Antihistaminic
HPLC: Si-10; 10A:90B; 5.0
GC: 2154; 250°C








DIPHENYLPYRALINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 12 1.86
2 99 2.24
3 24 5.51
4 25 7.25
5 39 7.30
6 67 7.33
7 67 7.33
8 67 7.35
9 14 7.35
10 9 8 7 6 5 4 3 2 1 0 PPM

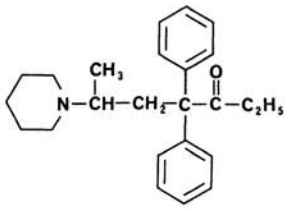

DIPHENYLPYRALINE HCL
FT-IR
A 1456
B 1076
C 766
D 716
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

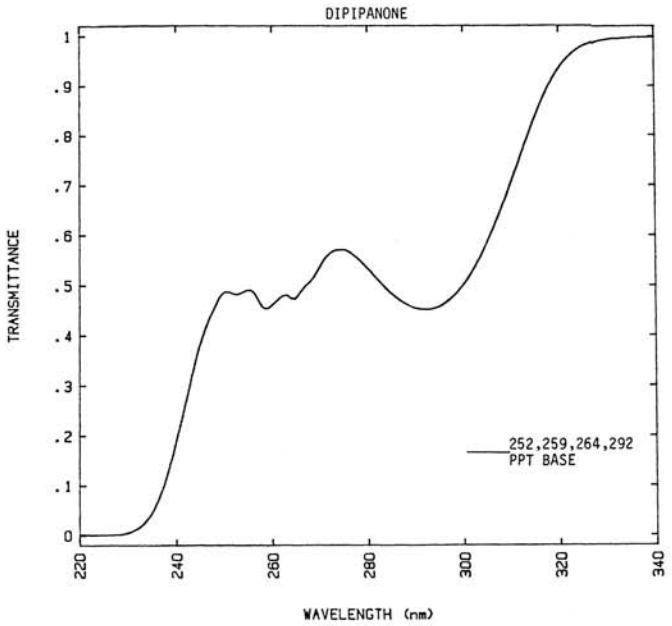
DIPIPANONE

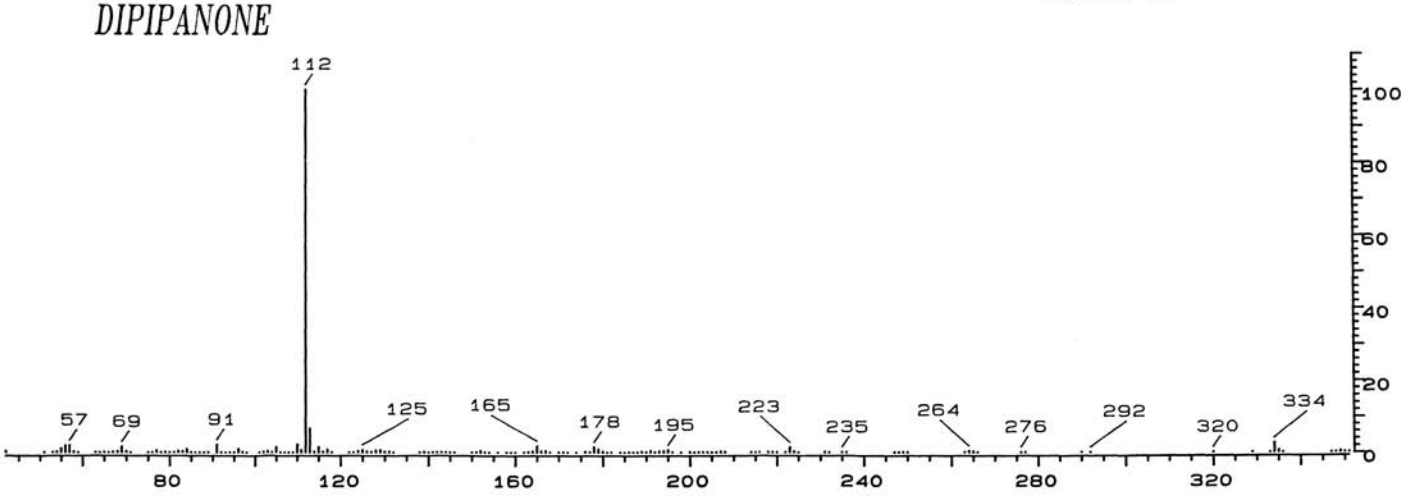
$C_{24}H_{31}NO$

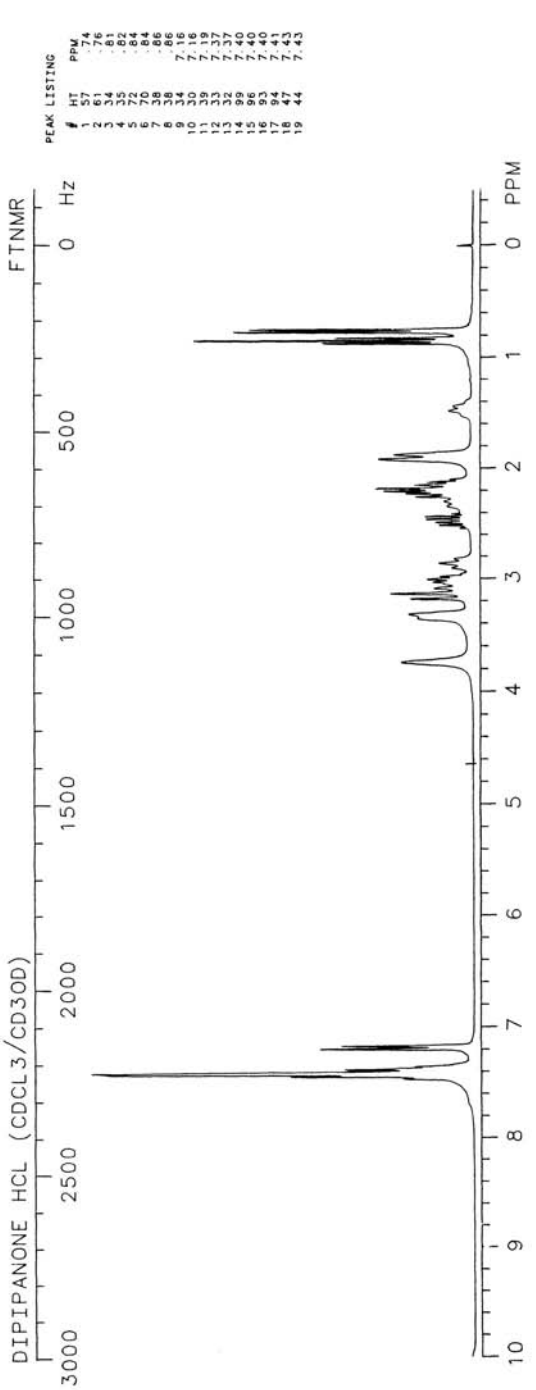
Molecular weight: 349.50 (349.24)
Synonyms: dl-4,4-Diphenyl-6-piperidino-heptan-3-one; phenylpiperone; piperidyl methadone; piperidylamidone
Trade names: Diconal, Fenpidon, Pamedone, Pipadone, Wellconal

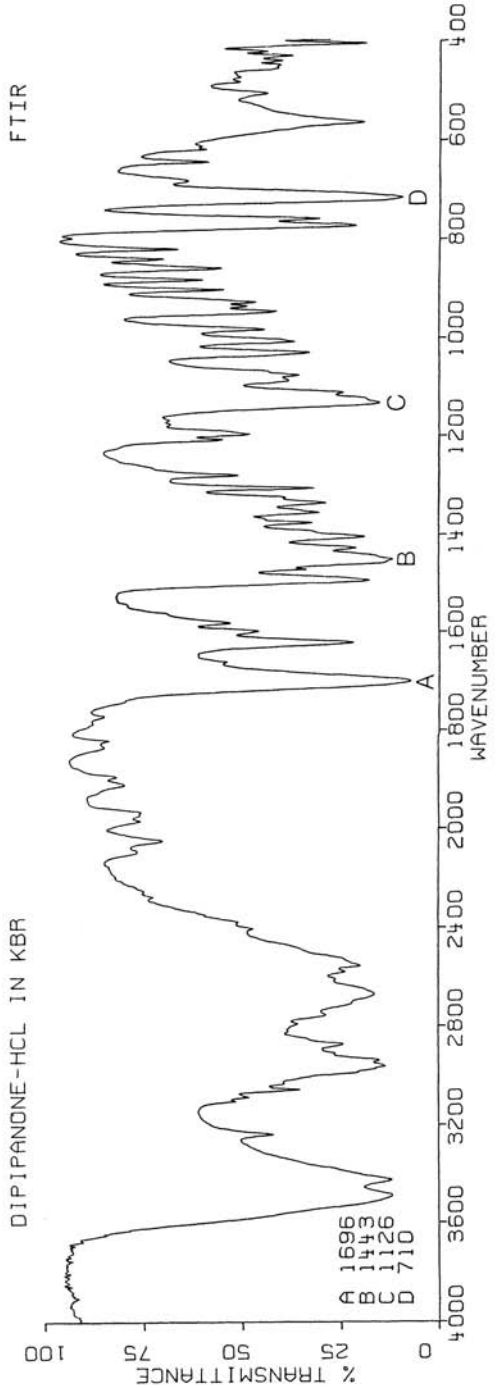
Use: Analgesic, sedative, hypnotic
HPLC:
GC: 2574; 250°C







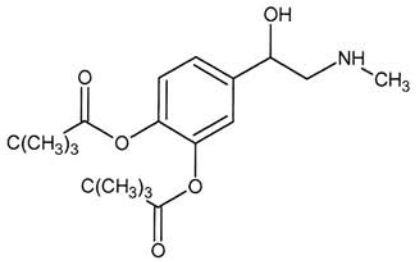

FTNMR
DIPIPANONE HCL (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 57 7.74
2 61 7.76
3 34 7.81
4 35 7.82
5 72 7.84
6 70 7.84
7 38 7.86
8 38 7.86
9 34 7.16
10 30 7.16
11 39 7.19
12 33 7.37
13 32 7.37
14 99 7.40
15 96 7.40
16 93 7.40
17 94 7.41
18 47 7.43
19 44 7.43
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

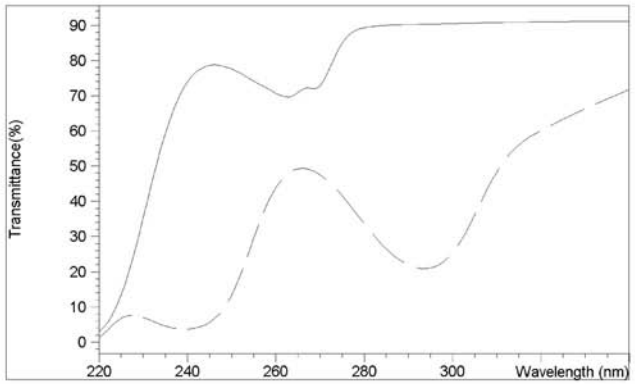

FTIR
DIPIPANONE-HCL IN KBR
A 1696
B 1443
C 1126
D 710
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

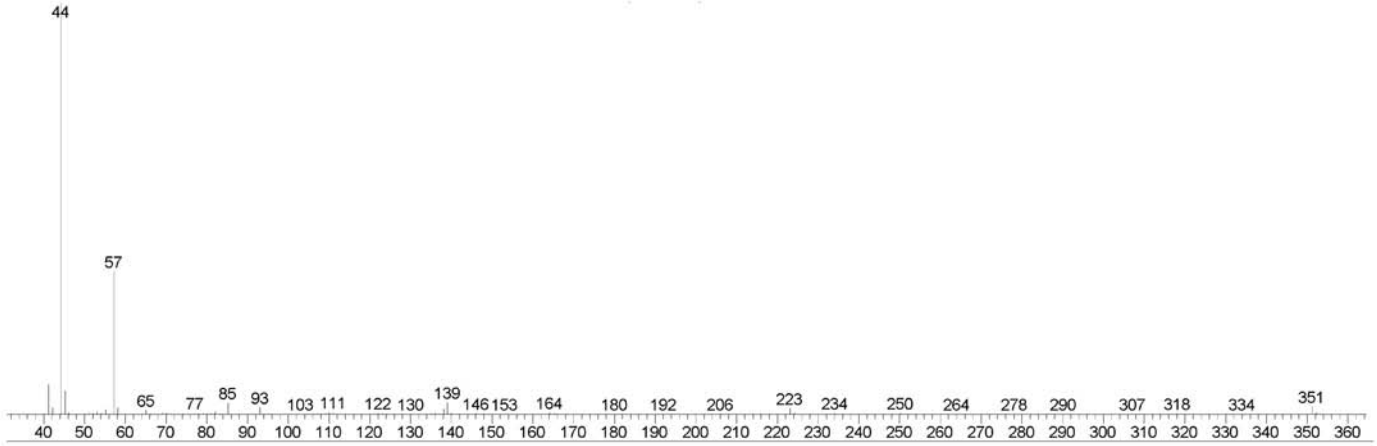
DIPIVEFRIN

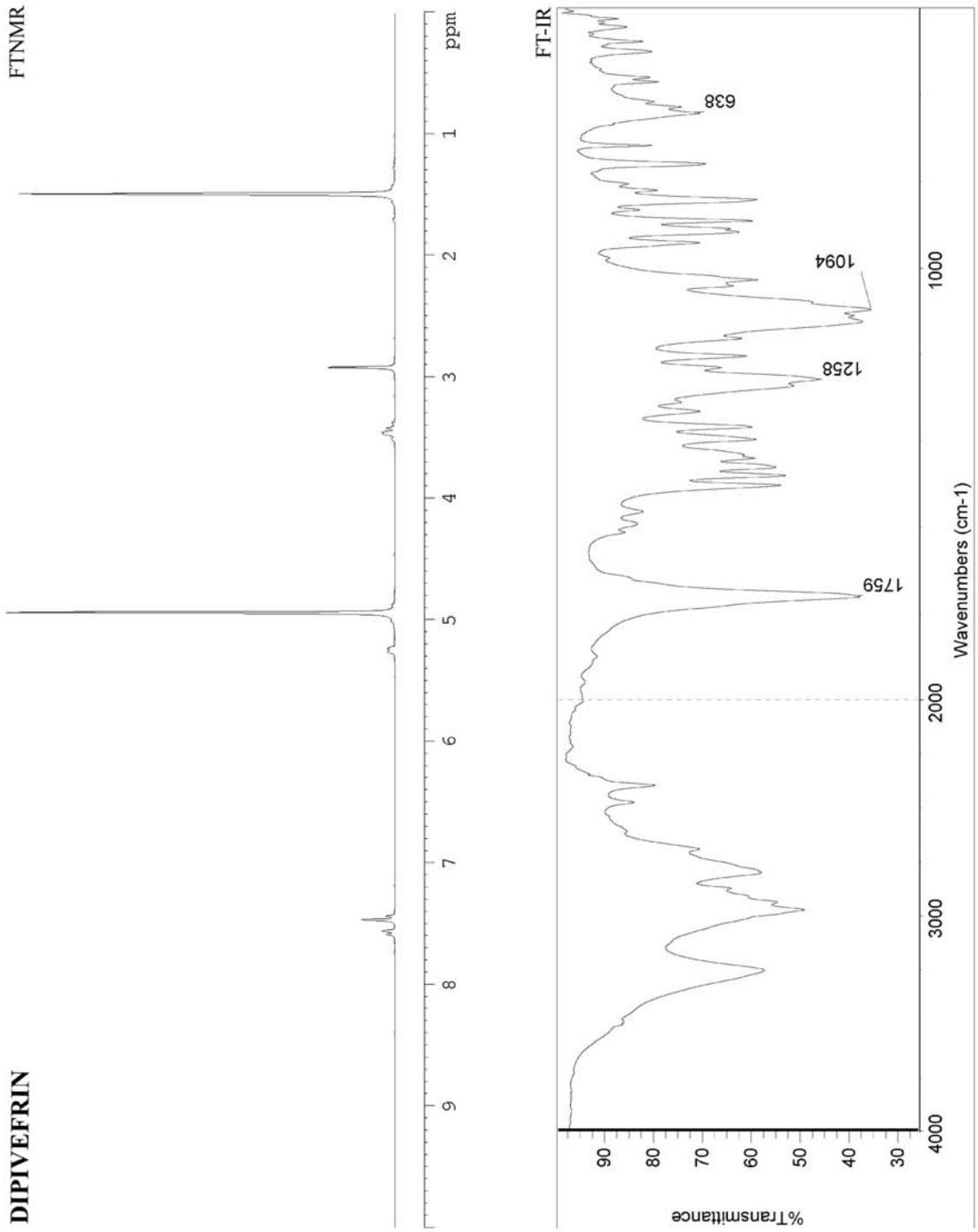
$C_{19}H_{29}NO_5$

Molecular Weight: 351.44 (351.2)
Synonyms: 2,2-Dimethylpropanoic acid 4-[1-hydroxy-2-(methylamino)ethyl]-1,2-phenylene ester; dipivalyl epinephrine; DPE
Trade names: Alcon, Propine
Use: Adrenergic (ophthalmic), antiglaucoma








DIPIVEFRIN
FTNMR
ppm
9
8
7
6
5
4
3
2
1
FT-IR
%Transmittance
90
80
70
60
50
40
30
4000
3000
2000
1000
Wavenumbers (cm-1)
638
1094
1258
1759

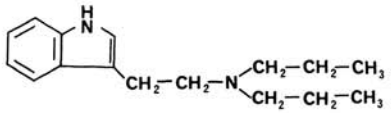
DIPROPYLTRYPTAMINE

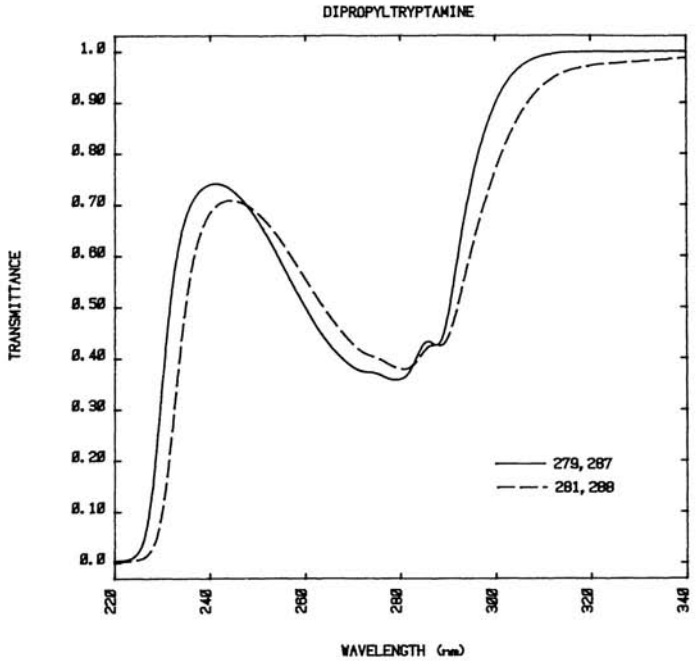
$C_{16}H_{24}N_2$

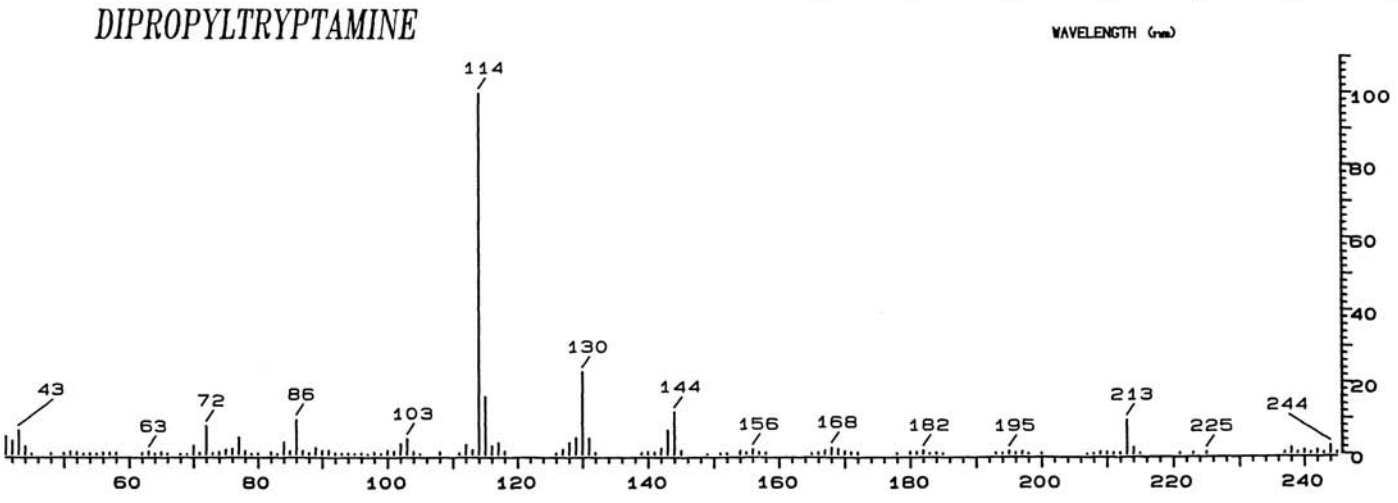
Molecular weight: 244.38 (244.19)
Synonyms: N,N-Dipropyl-1H-indole-3-ethanamine, DPT

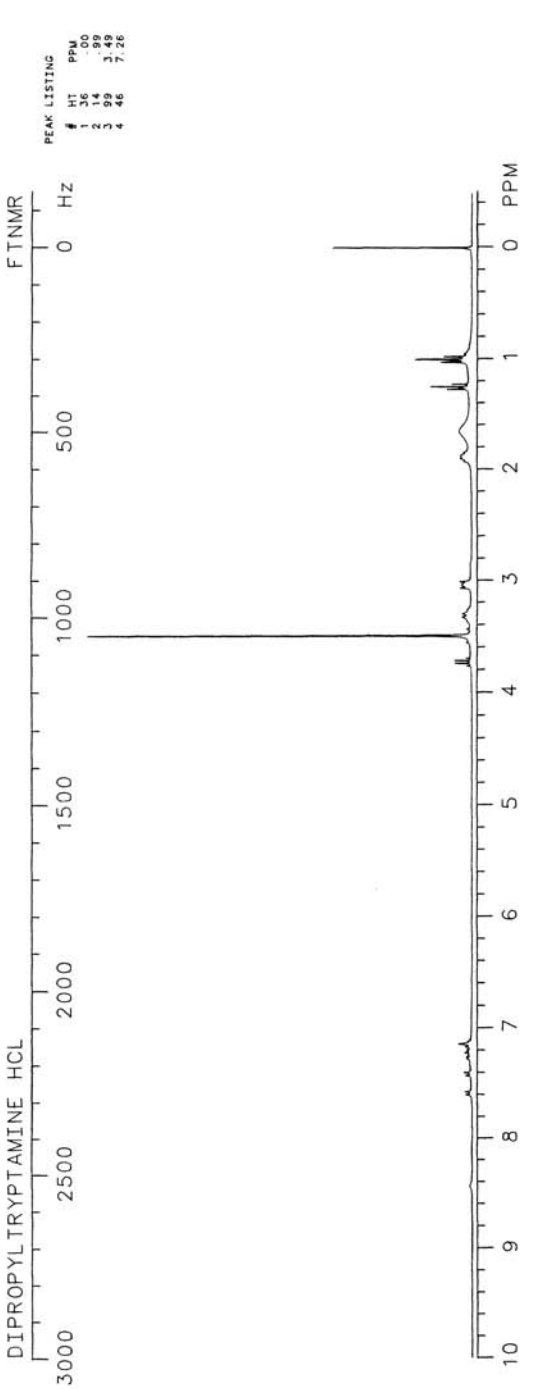
Trade names:

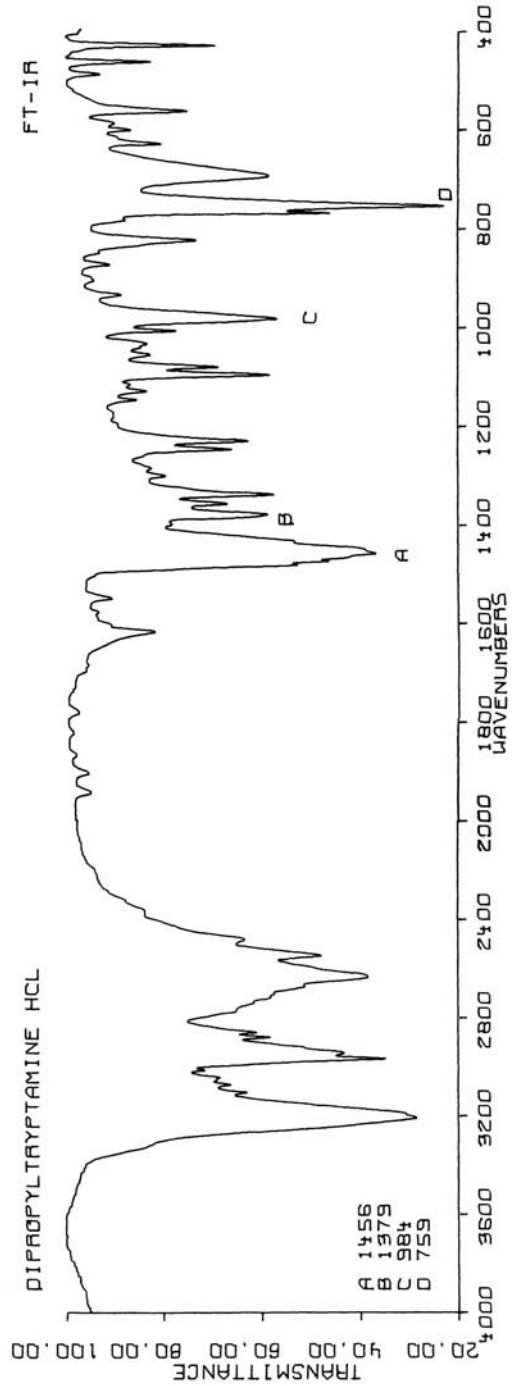
Use: Hallucinogen
HPLC: Si-10; 10A:90B; 6.0
GC: 2116; 250°C








DIPROPYLTRYPTAMINE 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 36 .00
2 14 1.49
3 99 1.49
4 46 7.26

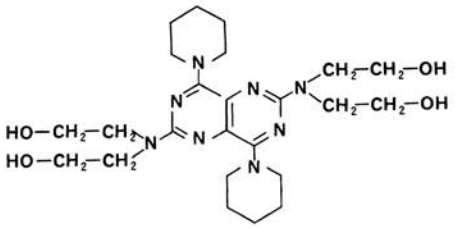

DIPROPYLTRYPTAMINE HCL
FT-IR
TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D
A 1456
B 1379
C 984
D 759

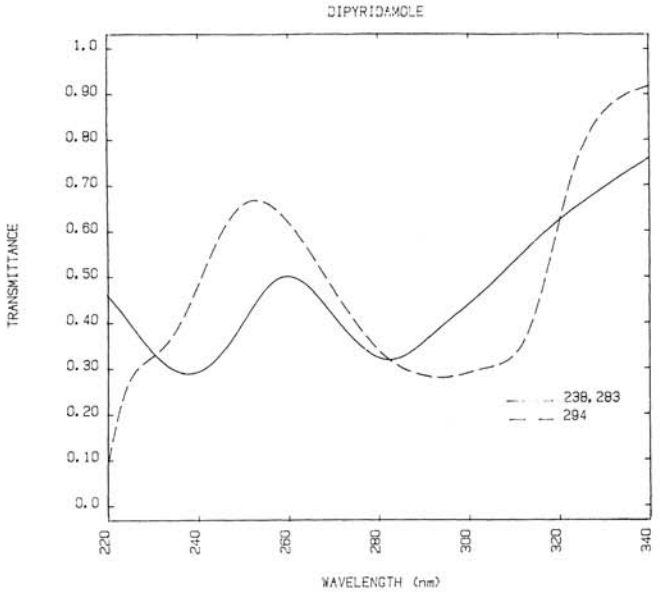
DIPYRIDAMOLE

$C_{24}H_{40}N_8O_4$

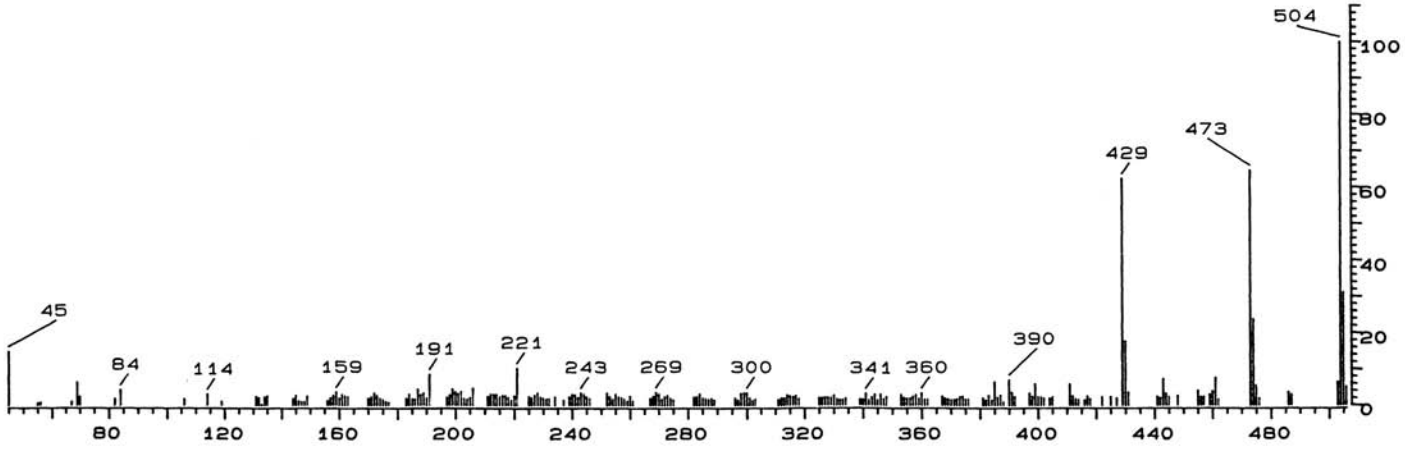
Molecular weight: 504.64 (504.32)
Synonyms: 2,2',2'',2'''-(4,8-Dipiperidinopyrimido[5,4-d]-pyrimidine-2,6-diyldinitrilo)tetraethanol
Trade names: Dipyridamole, Persantine

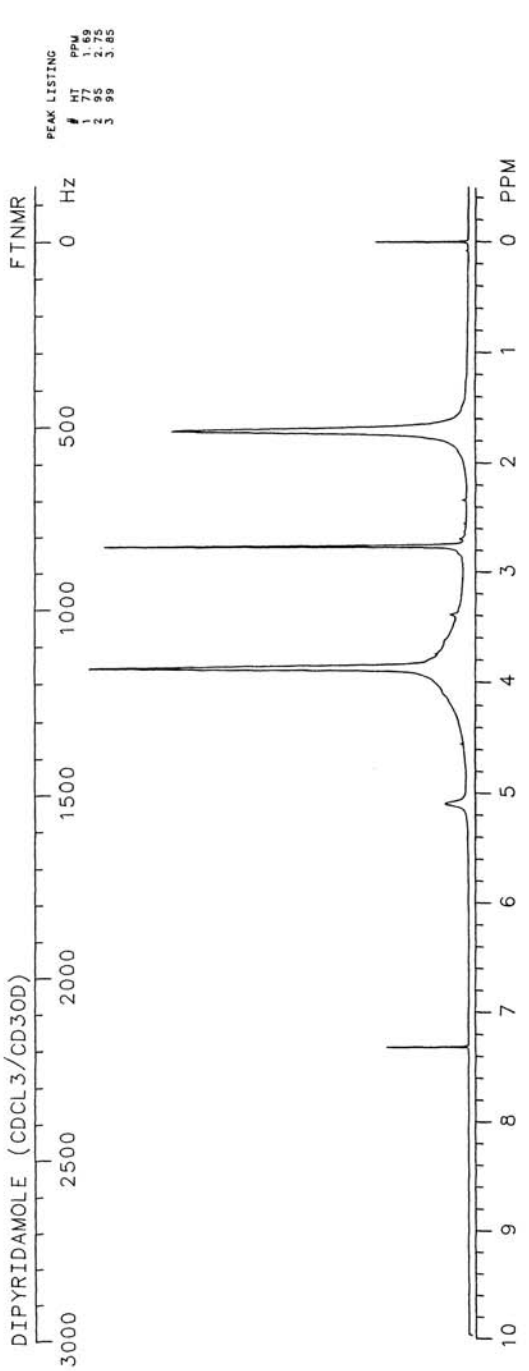
Use: Coronary vasodilator
HPLC: Si-10; 5A:95B; 4.0
GC:

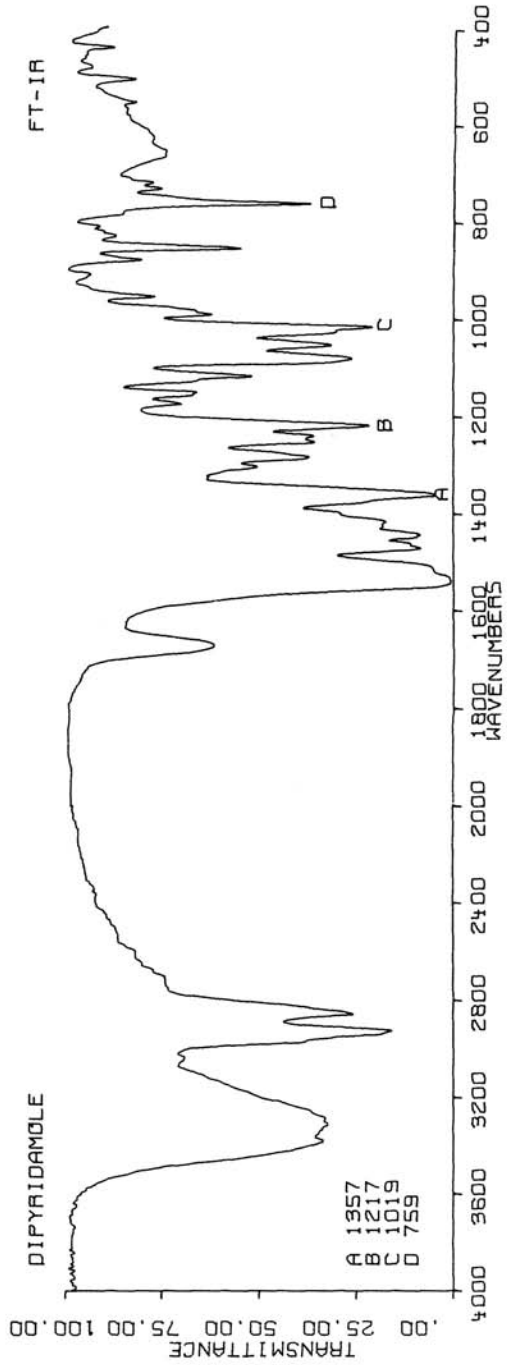




DIPYRIDAMOLE--DIP



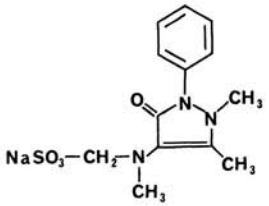

DIPYRIDAMOLE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 77 1.69
2 95 2.75
3 99 3.85
10 9 8 7 6 5 4 3 2 1 0 PPM

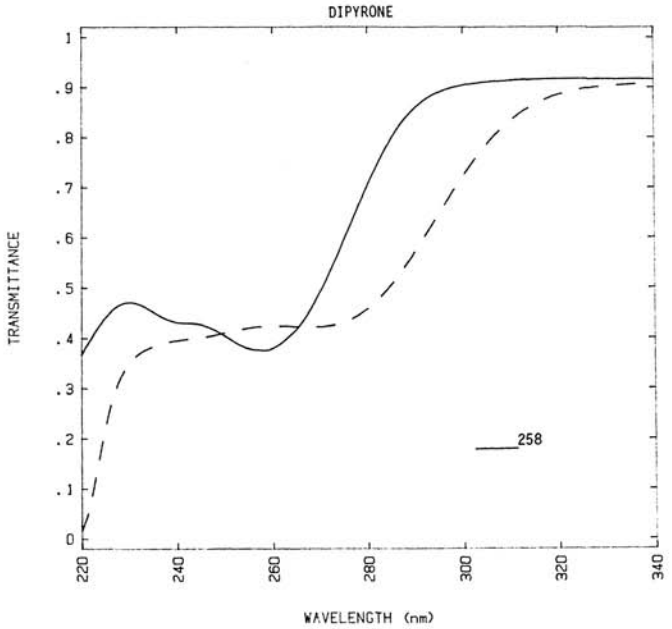

DIPYRIDAMOLE
FT-IR
A 1357
B 1217
C 1019
D 759
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

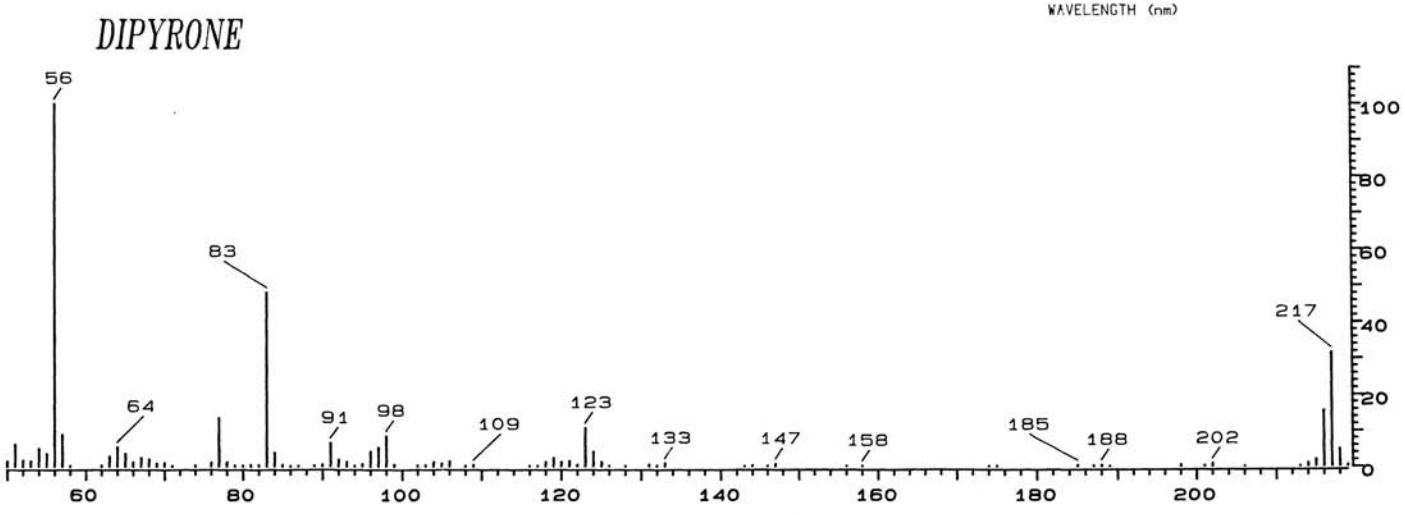
DIPYRONE

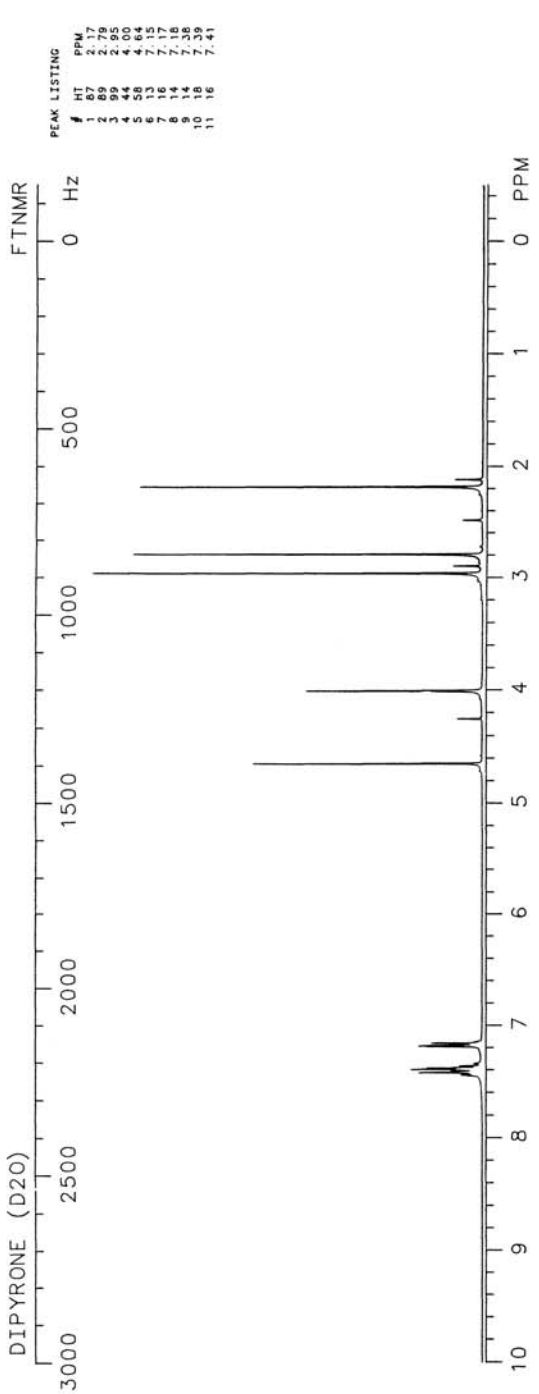
$C_{13}H_{18}N_3NaO_5S$

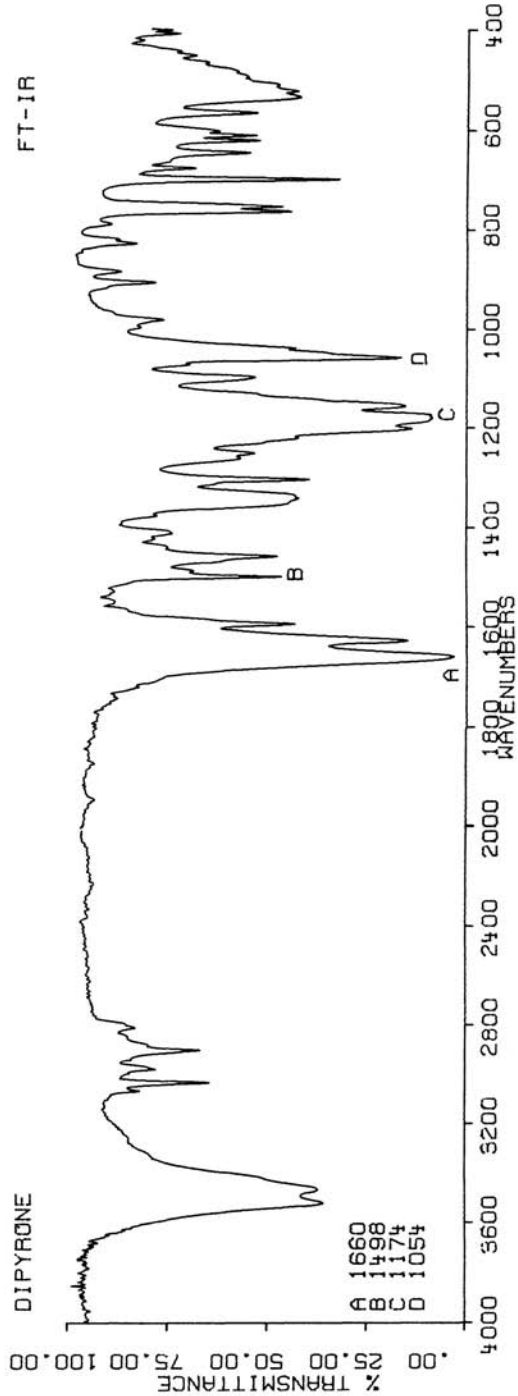
Molecular weight: 351.35 (351.10)
Synonyms: [(2,3-Dihdryo-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-methylamino]methanesulfonic acid sodium salt monohydrate; metamizol; methampyrone; sulpyrine
Trade names: Alginodia, Bonpyrin, Conmel, Dyatron, Fevonil, Keypyrone, Narone, Novil, Pydirone, Pyril, Palerol, Pelerol, Temp, Unagen
Use: Analgesic, antipyretic
HPLC: Si-10; 10A:90B; 6.1
GC: 2304; 250°C








DIPYRONE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 67 2.17
2 89 2.79
3 99 2.95
4 44 4.00
5 58 4.64
6 13 7.15
7 16 7.17
8 14 7.18
9 14 7.38
10 18 7.39
11 16 7.41
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

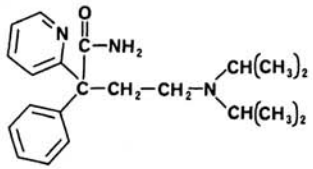

DIPYRONE
FT-IR
A 1660
B 1498
C 1174
D 1054
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

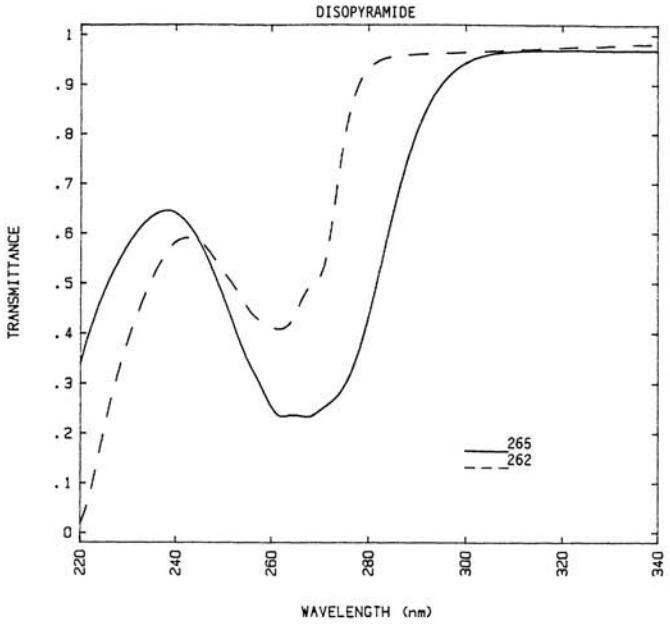
DISOPYRAMIDE

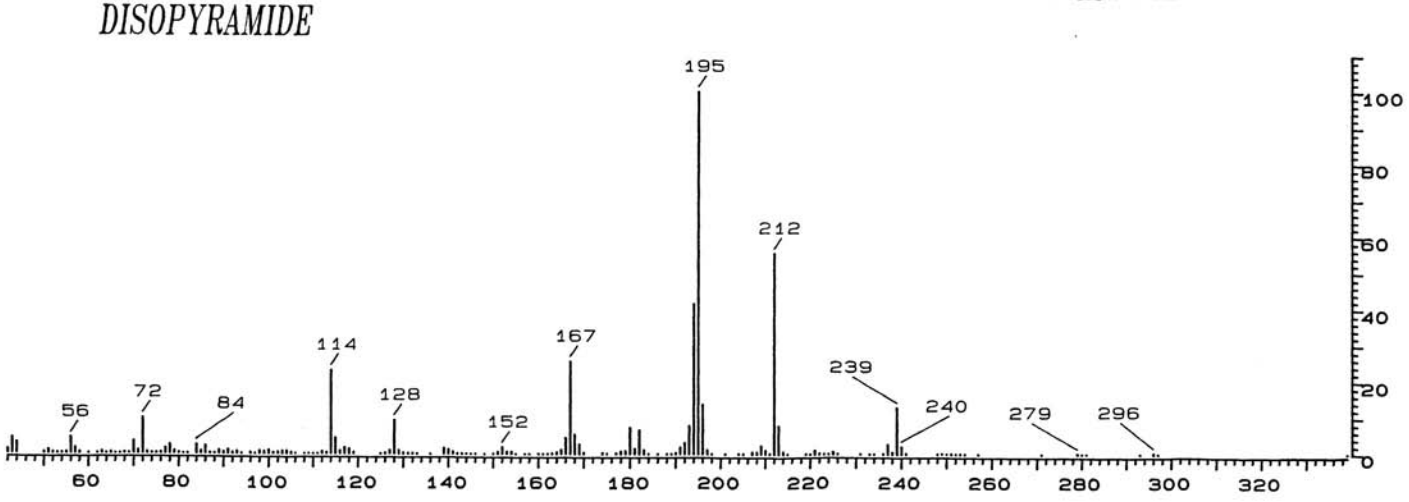
$C_{21}H_{29}N_3O$

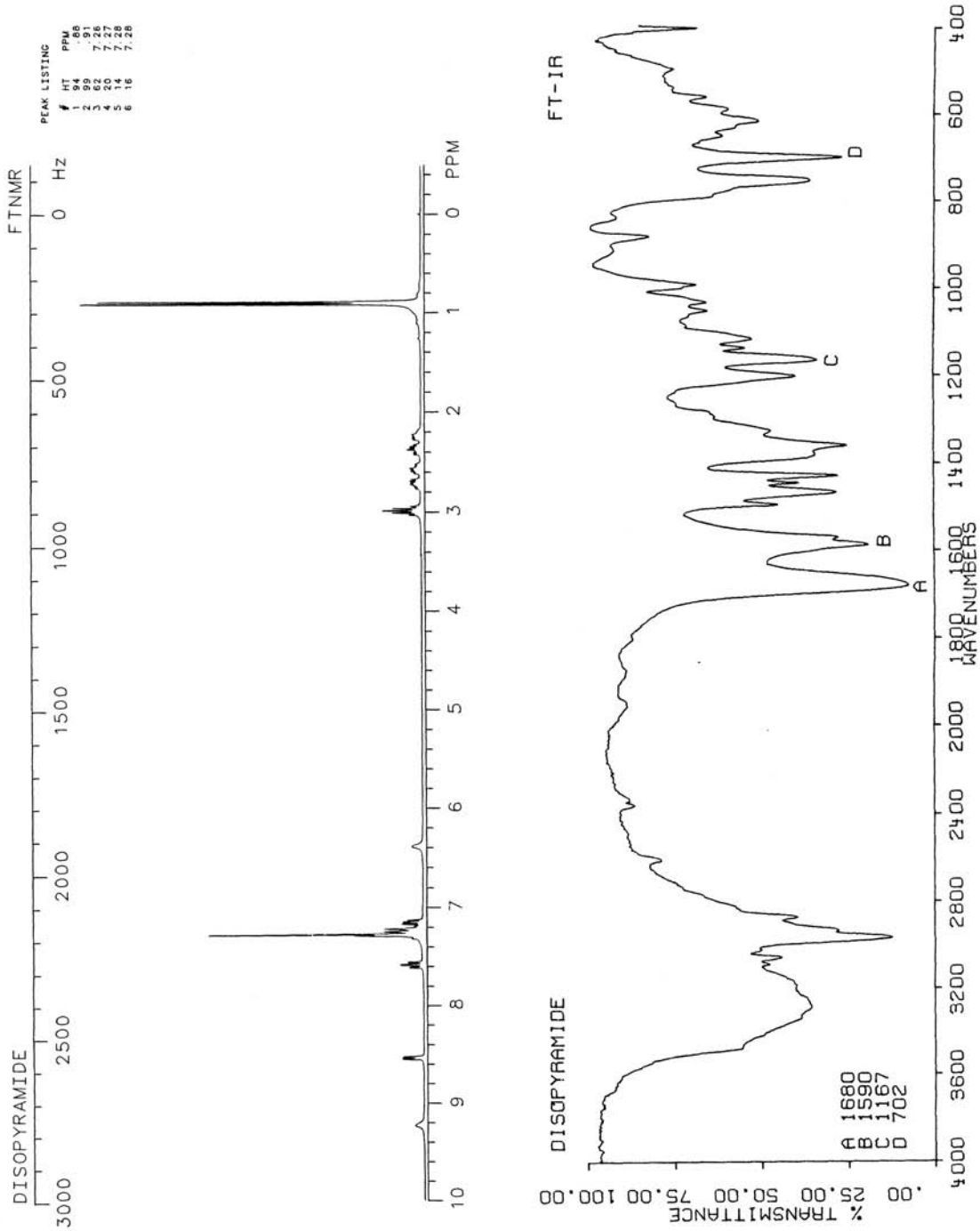
Molecular weight: 339.47 (339.23)
Synonyms: α-[2-[Bis(1-methylethyl)amino]ethyl]-α-phenyl-2-pyridineacetamide
Trade names: Disopyramide, Durbis, Norpace, Norpace CR, Rythmodan

Use: Cardiac depressant
HPLC: Si-10; 20A:80B; 5.5
GC: 2491; 250°C







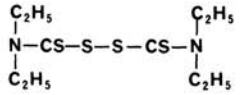

DISOPYRAMIDE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 94 .88
2 99 .91
3 62 7.26
4 20 7.27
5 14 7.28
6 16 7.28
DISOPYRAMIDE
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1680
B 1590
C 1167
D 702
A
B
C
D

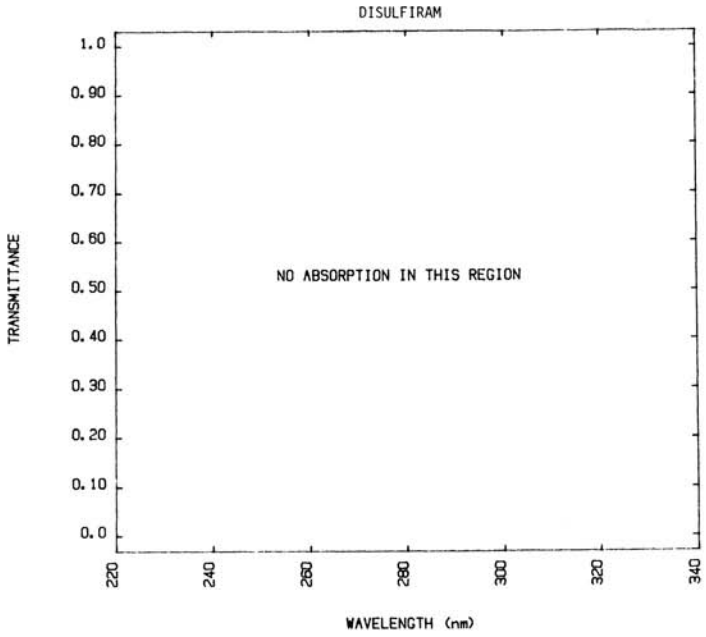
DISULFIRAM

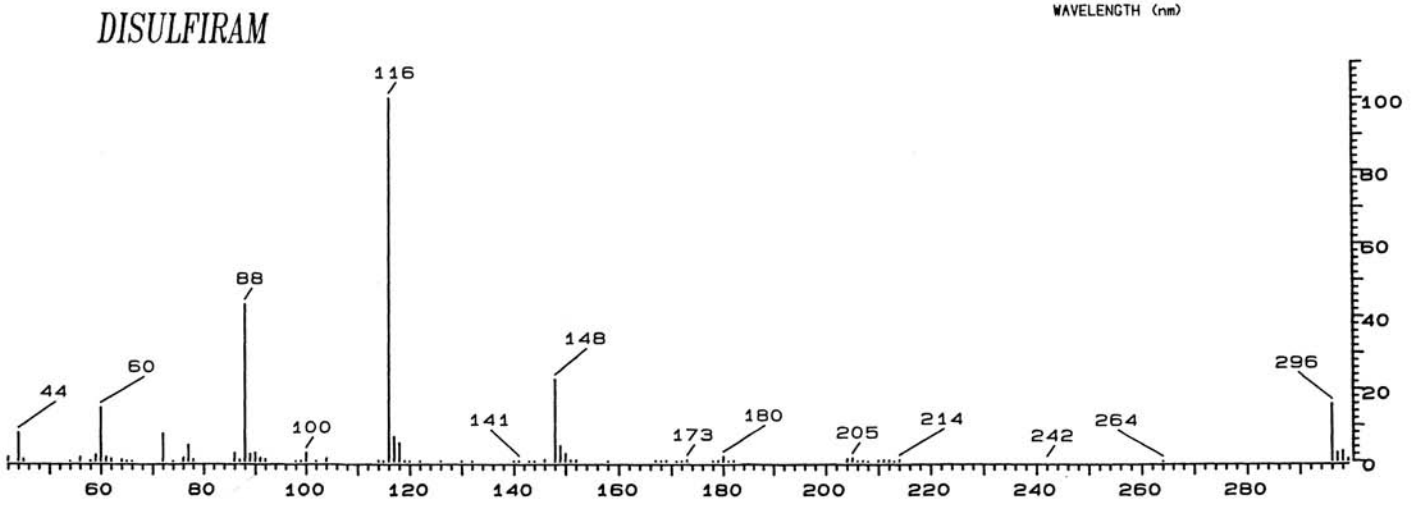
$C_{10}H_{20}N_2S_4$

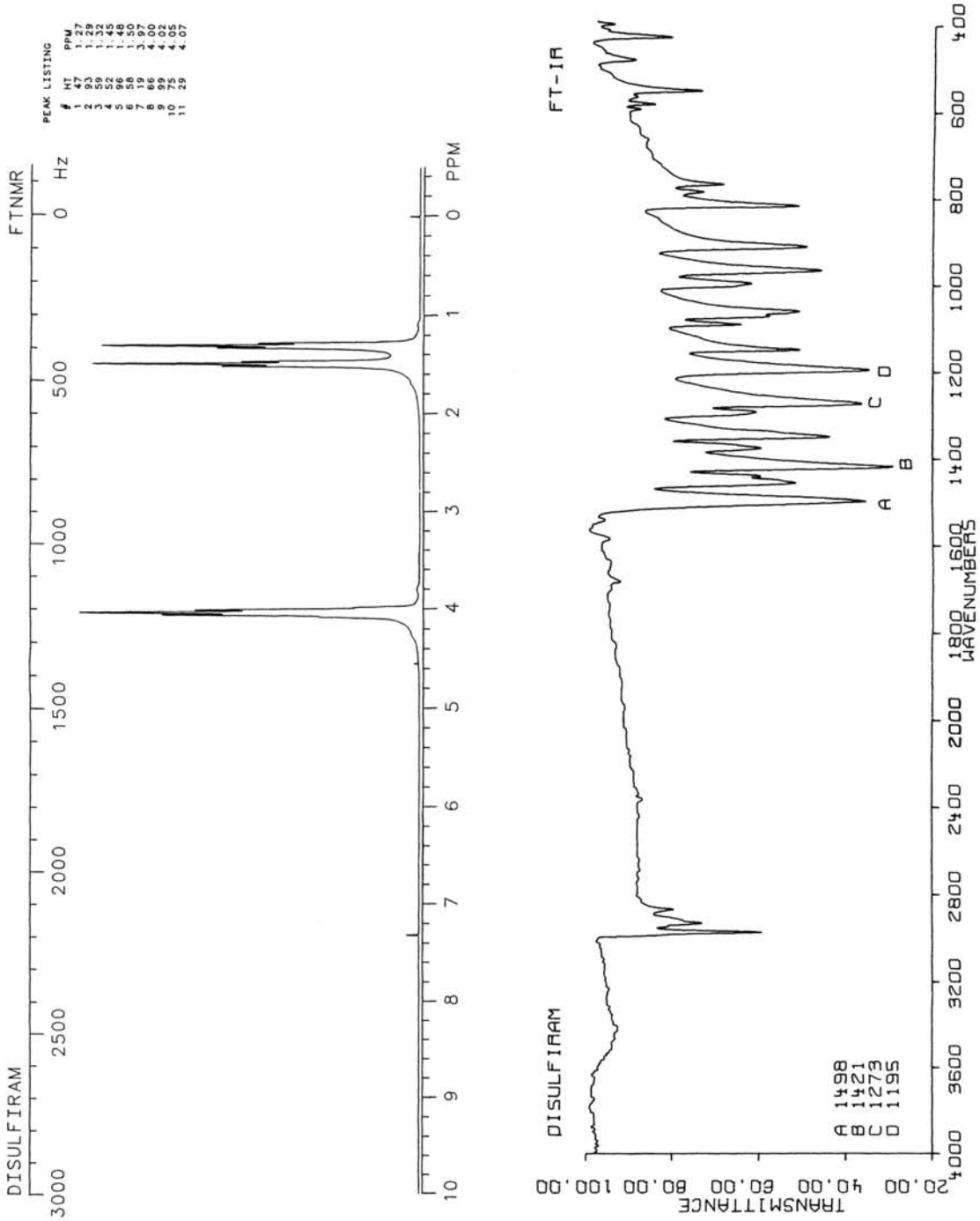
Molecular weight: 296.52 (296.05)
Synonyms: Tetraethylthioperoxydicarbonic diamide;
bis(diethylthiocarbamoyl)disulfide
Trade names: Antabuse

Use: Alcohol deterrent
HPLC: Si-10; 30B:70C; 9.0
GC: 2221; 250°C





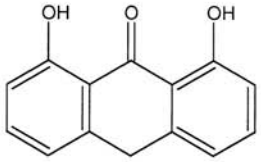


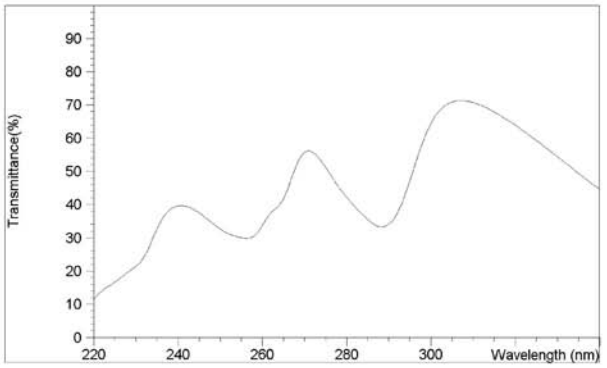

DISULFIRAM
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 47 1.27
2 93 1.29
3 59 1.32
4 52 1.45
5 96 1.48
6 56 1.50
7 19 3.97
8 66 4.00
9 99 4.02
10 75 4.05
11 29 4.07
DISULFIRAM
FT-IR
A 1498
B 1421
C 1273
D 1195
A
B
C
D
TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

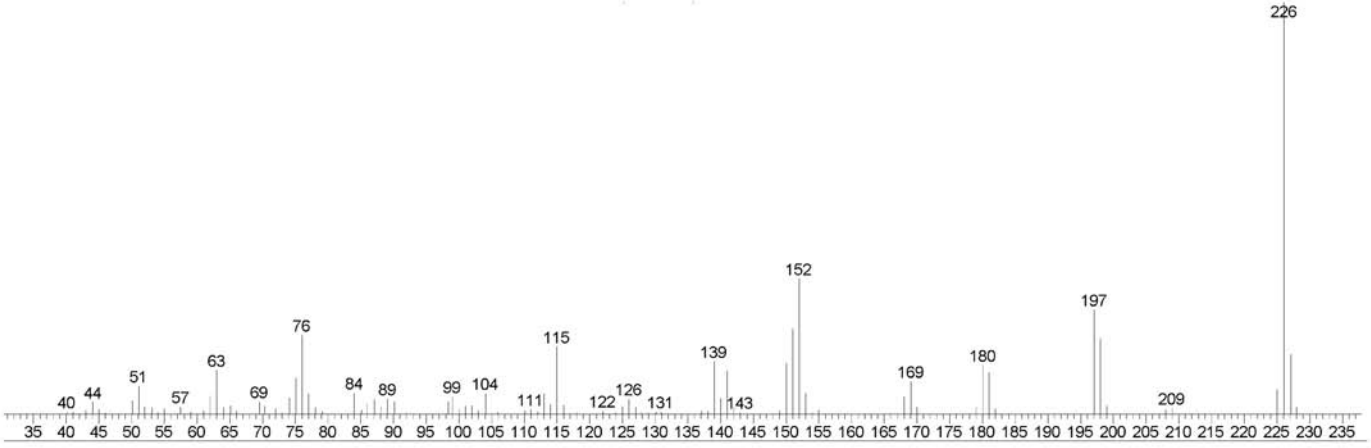
DITHRANOL

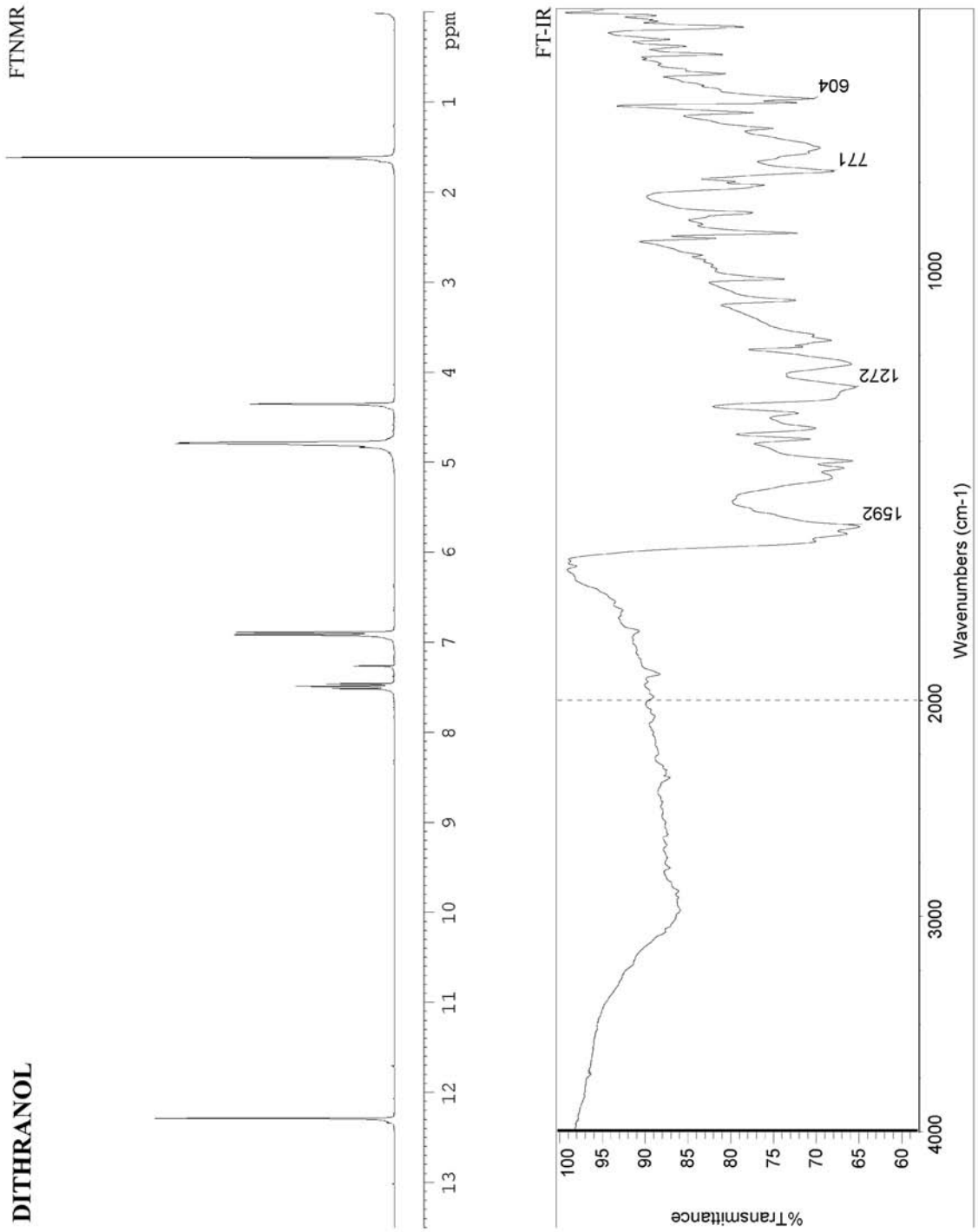
$C_{14}H_{10}O_3$

Molecular Weight: 226.23 (226.06)
Synonyms: 1,8-Dihydroxy-9(10*H*)-anthracenone; 1,8-dihydroxyanthrone, 1,8-Dihydroxy-9-anthrone, dithranol,
Trade names: Anthrafote, Anthranol, Antaderm, Cignolin
Use: Antipsoriatic







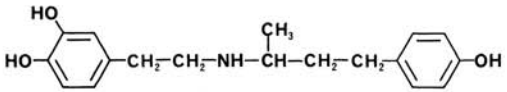

DITHRANOL
FTNMR
ppm
1
2
3
4
5
6
7
8
9
10
11
12
13
FT-IR
604
771
1272
1592
%Transmittance
100
95
90
85
80
75
70
65
60
4000
3000
2000
1000
Wavenumbers (cm-1)

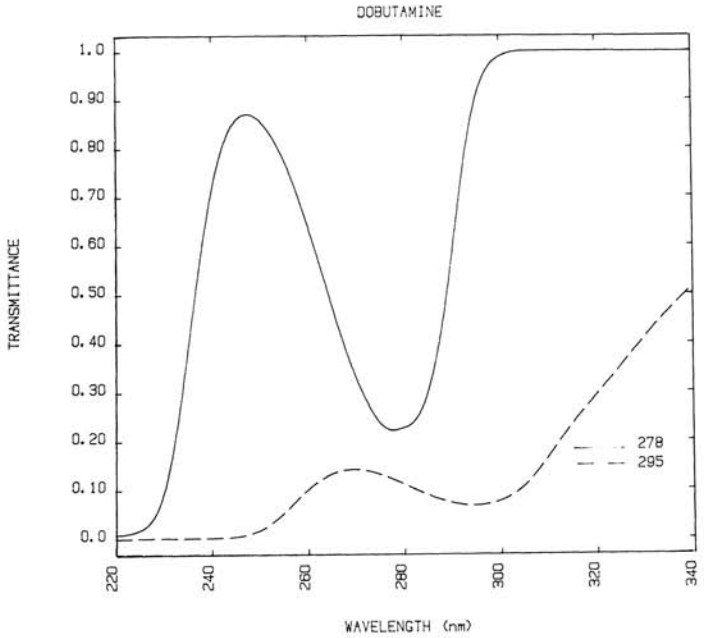
DOBUTAMINE

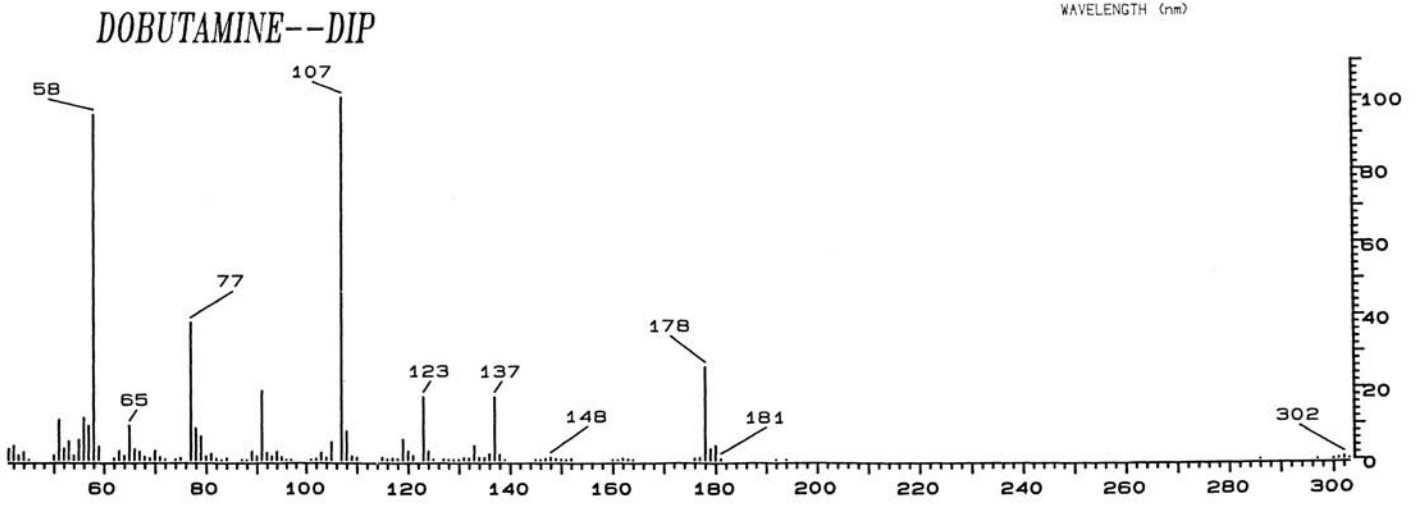
$C_{18}H_{23}NO_3$

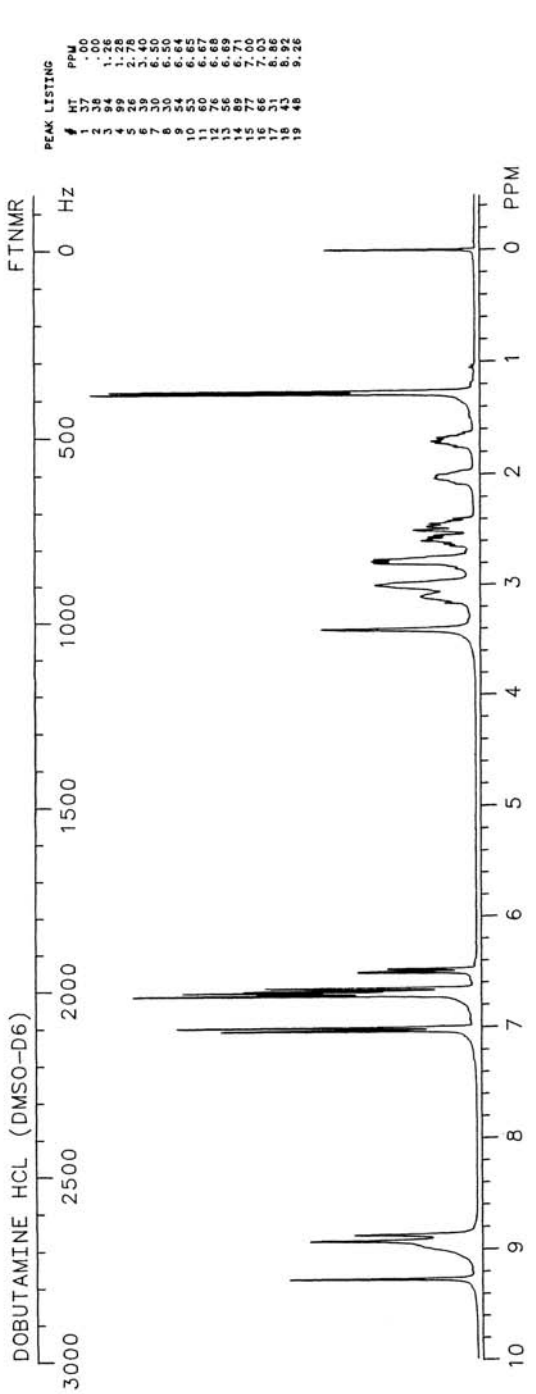
Molecular weight: 301.39 (301.17)
Synonyms: 4-[2-[[3-(4-Hydroxyphenyl)-1-methylpropyl]amino]-ethyl]-1,2-benzenediol
Trade names: Dobutrex

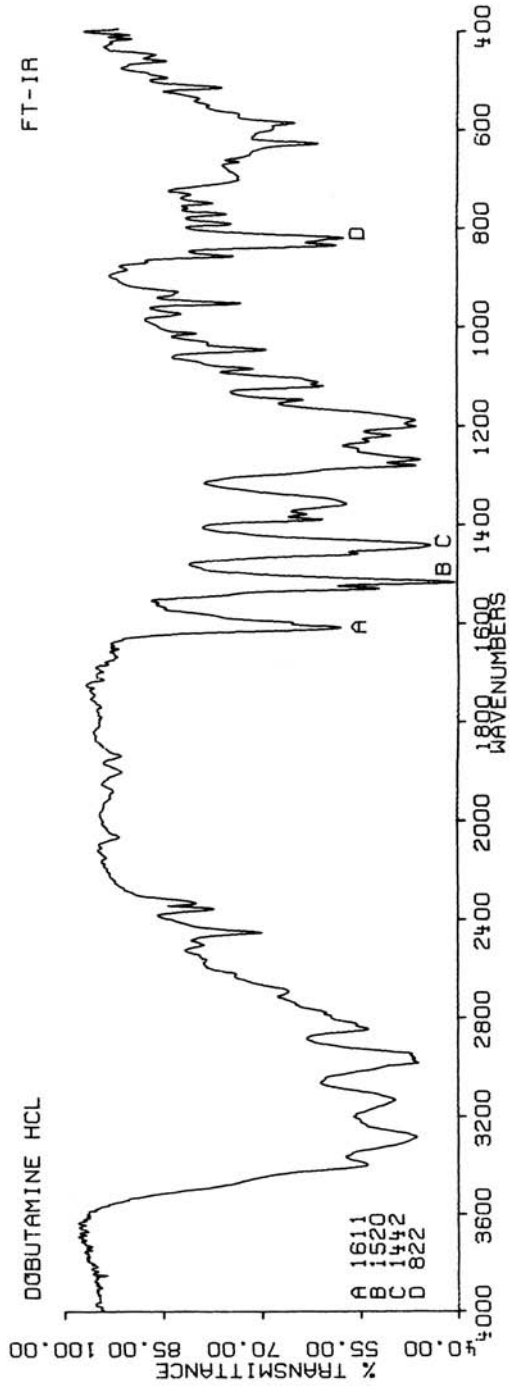
Use: Cardiotonic
HPLC: Si-10; 10A:90B; 5.0
GC:








FTNMR
DOBUTAMINE HCL (DMSO-D6)
PEAK LISTING
HT PPM
1 37 .00
2 38 .00
3 94 1.26
4 99 1.28
5 26 2.49
6 36 3.40
7 30 6.50
8 30 6.50
9 54 6.64
10 53 6.65
11 60 6.67
12 76 6.68
13 56 6.69
14 89 6.71
15 77 7.00
16 66 7.03
17 31 8.86
18 43 8.92
19 48 9.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
DOBUTAMINE HCL
A 1611
B 1520
C 1442
D 822
% 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

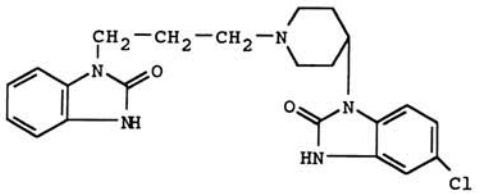
DOMPERIDONE

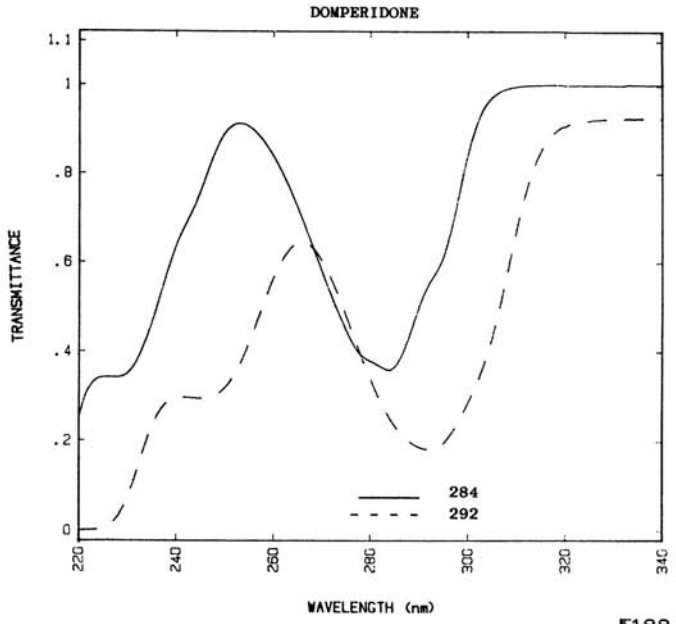
$C_{22}H_{24}ClN_5O_2$

Molecular weight: 425.92 (425.16)

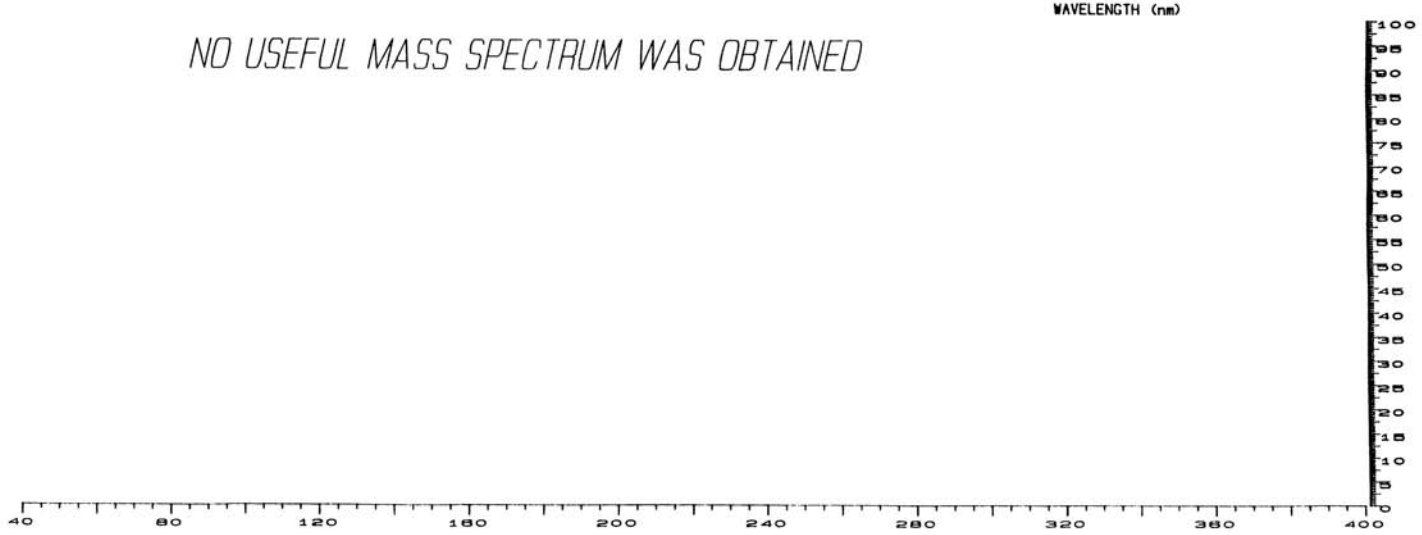
Synonyms: 5-Chloro-1-[1-[3-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl) propyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one
Trade names: Euciton, Evoxin, Mod, Motilium, Nauzelin, Peridon, Peridys

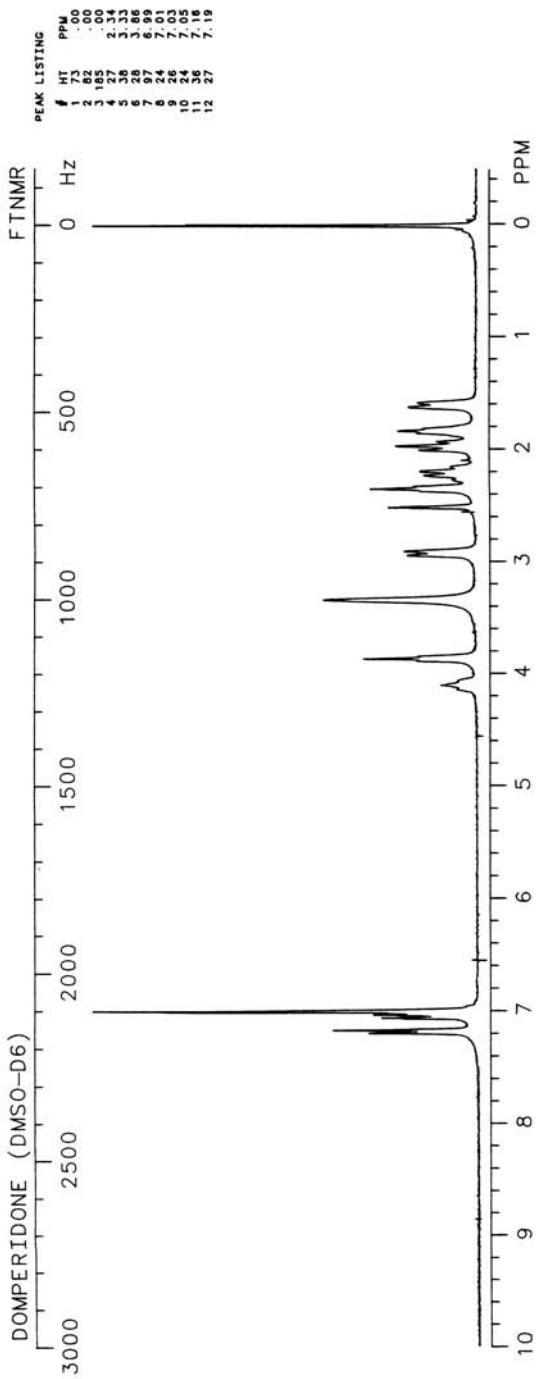
Use: Anti-emetic
HPLC: 90A:10C; 1.5
GC:

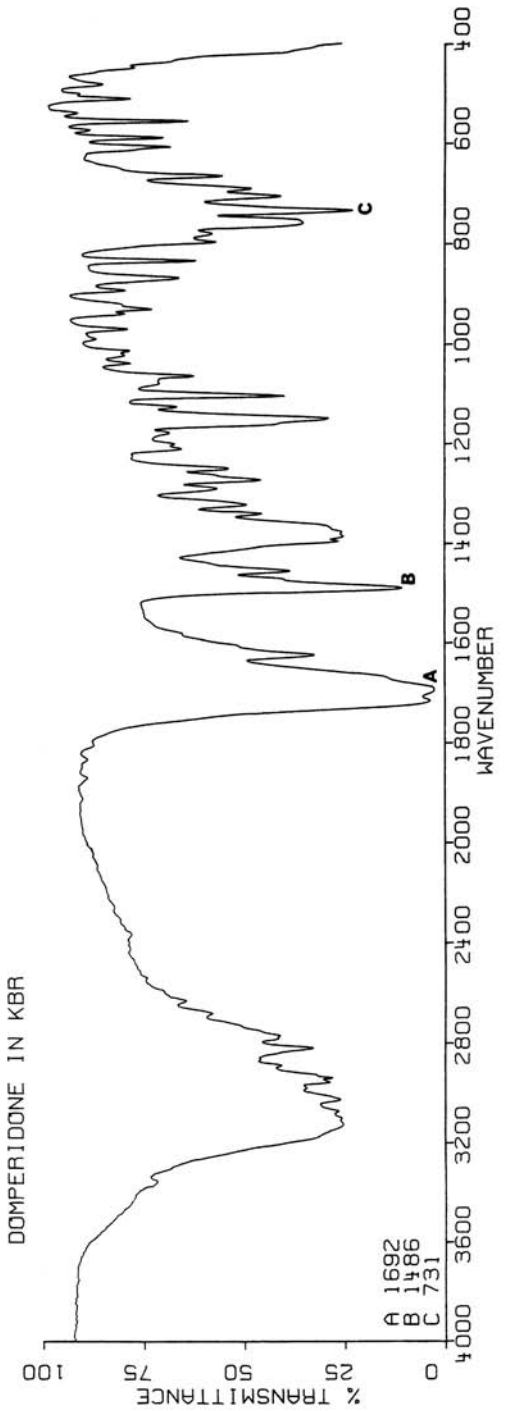




NO USEFUL MASS SPECTRUM WAS OBTAINED




DOMPERIDONE (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 73 .00
2 82 .00
3 165 .00
4 27 2.34
5 37 3.33
6 28 3.86
7 97 6.99
8 24 7.01
9 26 7.03
10 24 7.05
11 36 7.16
12 27 7.19


DOMPERIDONE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1692
B 1486
C 731
A
B
C

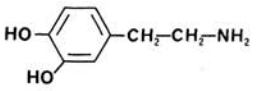
DOPAMINE

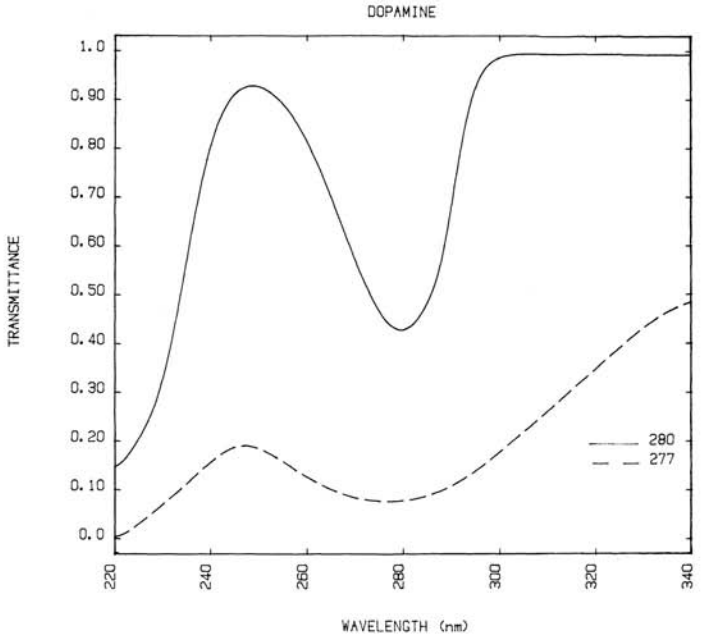
$C_8H_{11}NO_2$

Molecular weight: 153.18 (153.08)
Synonyms: 4-(2-Aminoethyl)-1,2-benzenediol; 3-hydroxytyramine

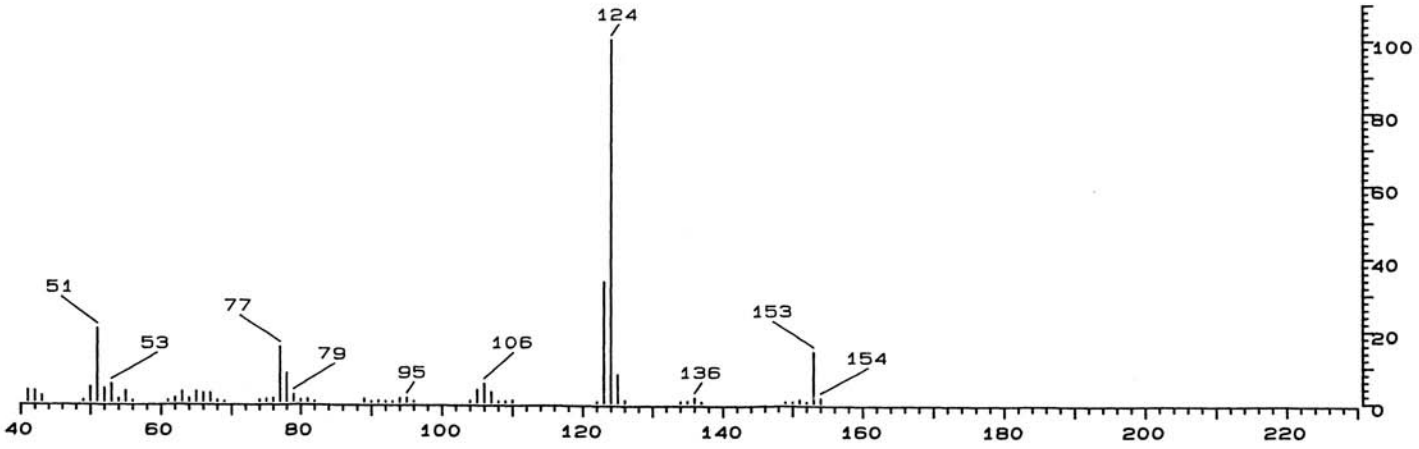
Trade names: Dopamine HCl, Intropin

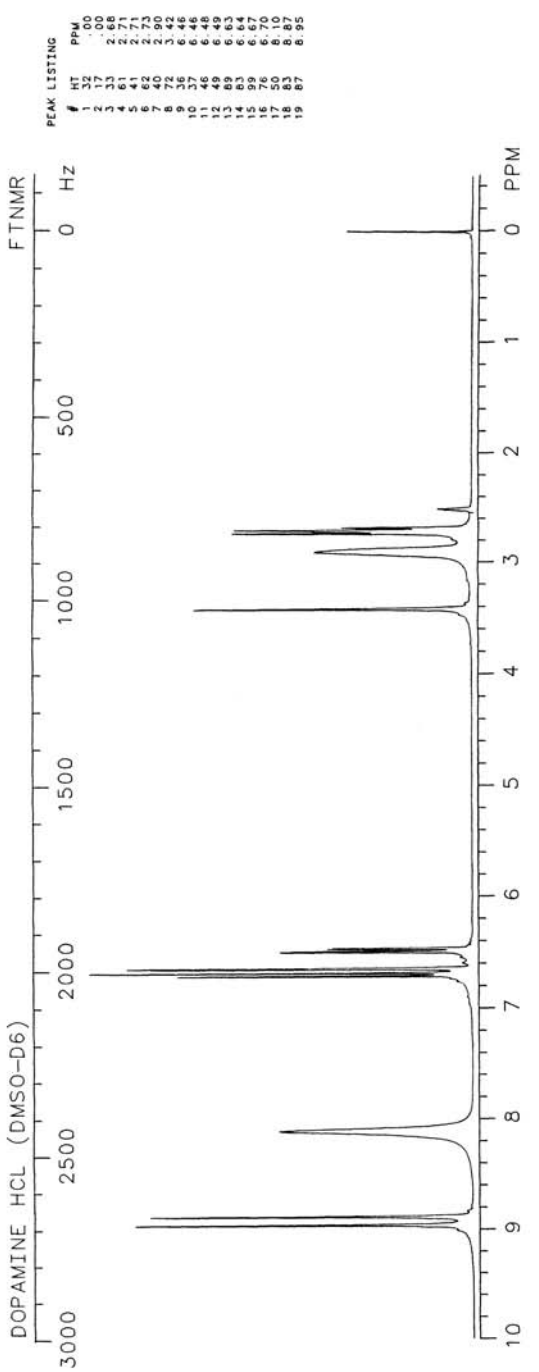
Use: Adrenergic
HPLC:
GC:

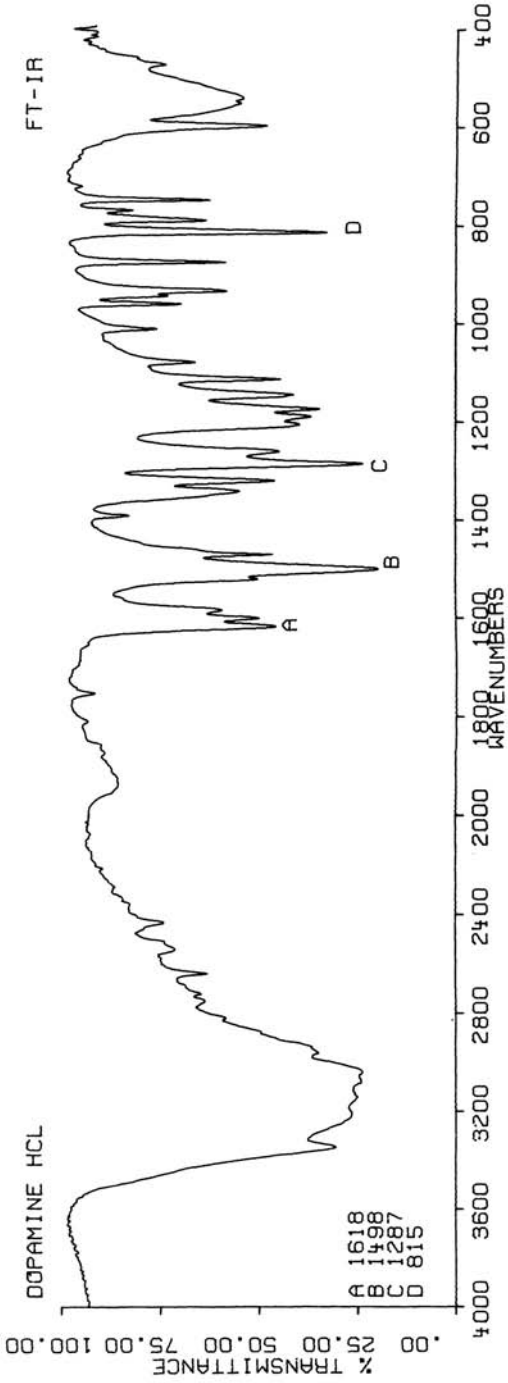




DOPAMINE--DIP




FTNMR
DOPAMINE HCL (DMSO-D6)
PEAK LISTING
HT PPM
1 32 .00
2 17 .00
3 33 2.68
4 61 2.71
5 41 2.71
6 62 2.73
7 40 2.90
8 72 3.42
9 36 6.46
10 37 6.46
11 46 6.48
12 49 6.49
13 89 6.63
14 83 6.64
15 99 6.67
16 76 6.70
17 50 8.10
18 83 8.87
19 87 8.95
Hz
PPM

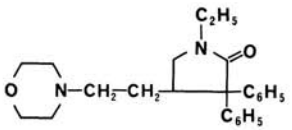

FT-IR
DOPAMINE HCL
A 1618
B 1498
C 1287
D 815
% TRANSMITTANCE
WAVENUMBERS

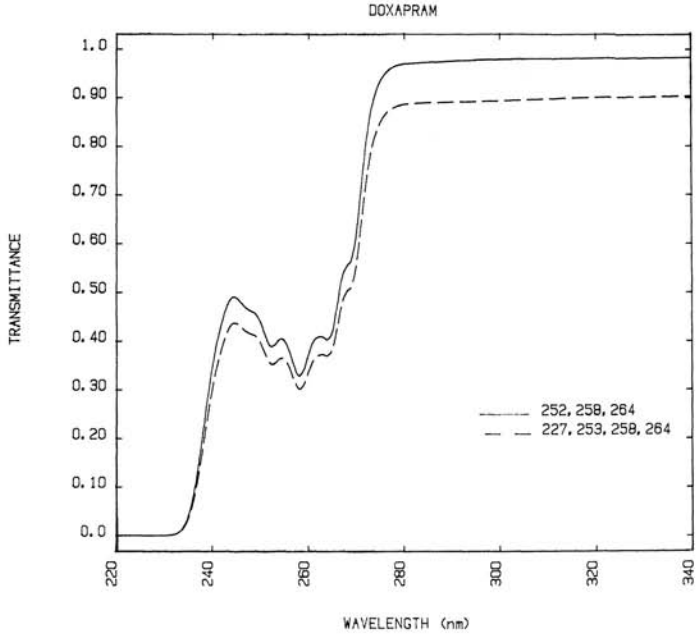
DOXAPRAM

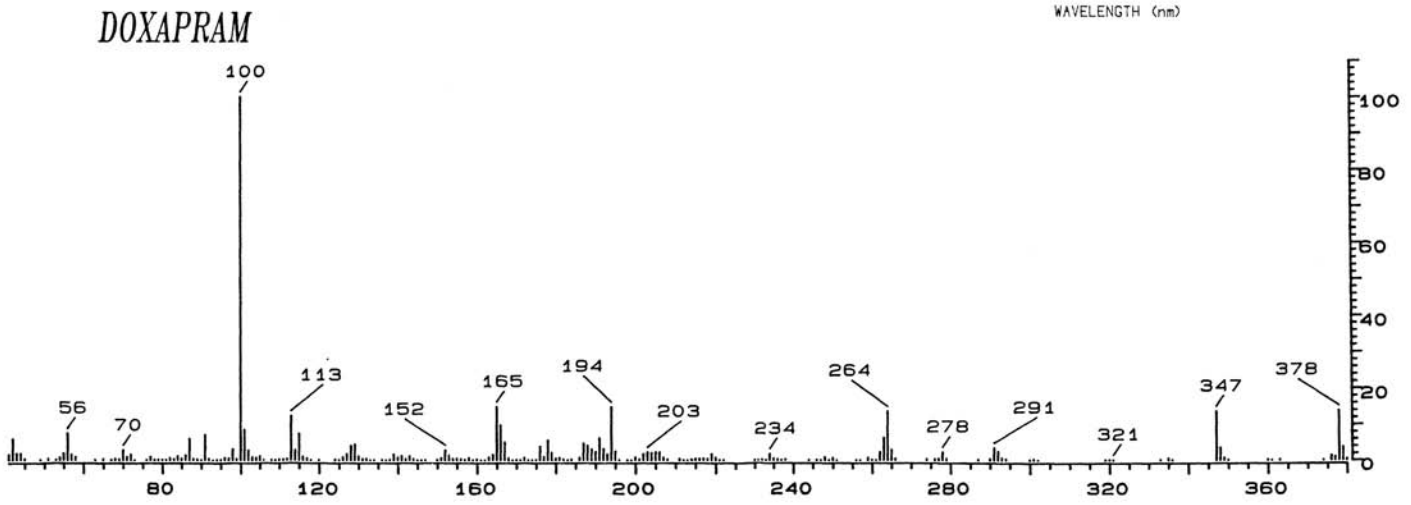
$C_{24}H_{30}N_2O_2$

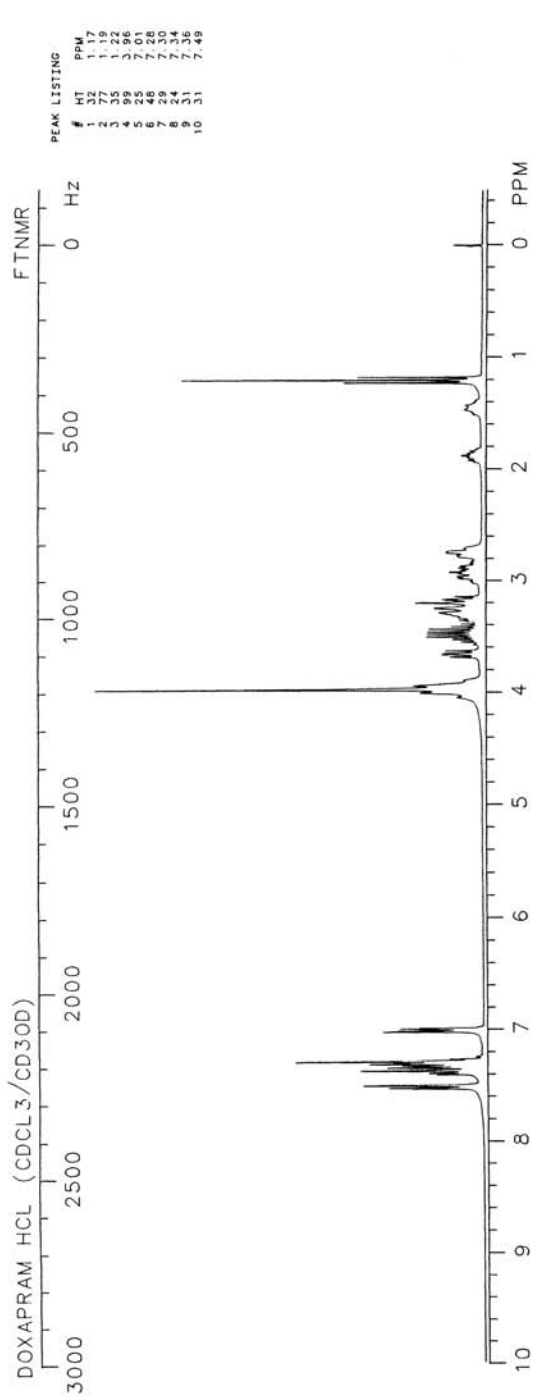
Molecular weight: 378.52 (378.23)
Synonyms: 1-Ethyl-4-(2-morpholinoethyl)-3,3-diphenyl-2-pyrrolidinone
Trade names: Dopram

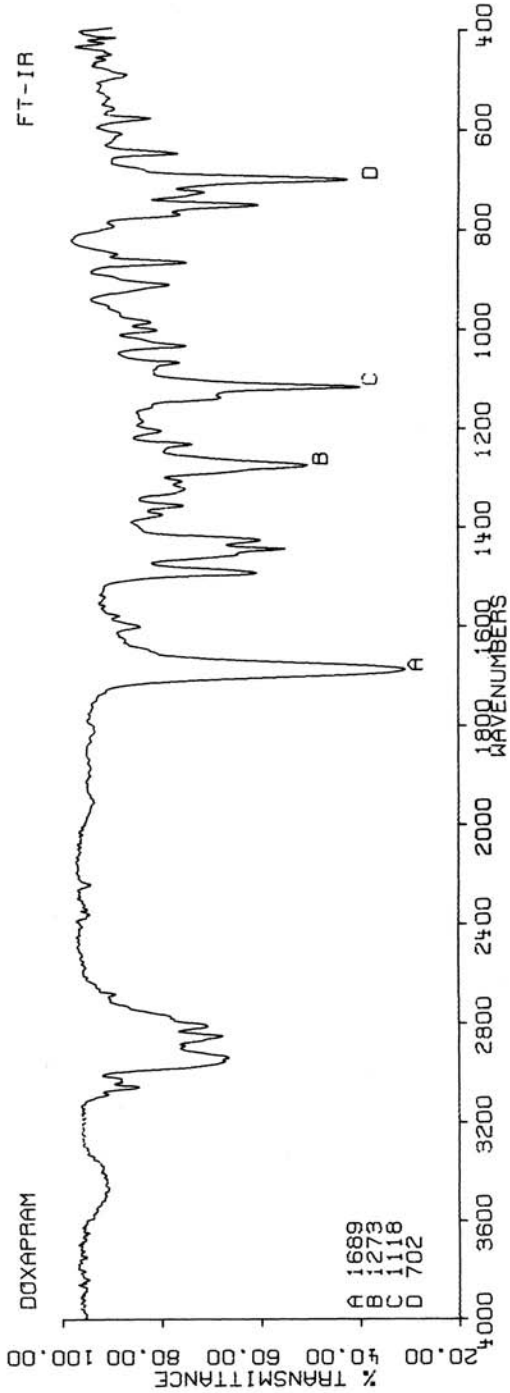
Use: Respiratory stimulant
HPLC: Si-10; 1A:99B; 10.8
GC: 2950; 280°C








FTNMR
DOXAPRAM HCL (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 32 1.17
2 72 1.19
3 35 1.22
4 99 3.96
5 25 7.01
6 48 7.28
7 29 7.30
8 24 7.34
9 31 7.36
10 31 7.49
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

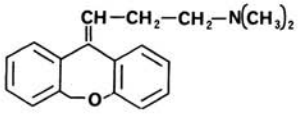

FT-IR
DOXAPRAM
A 1689
B 1273
C 1118
D 702
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

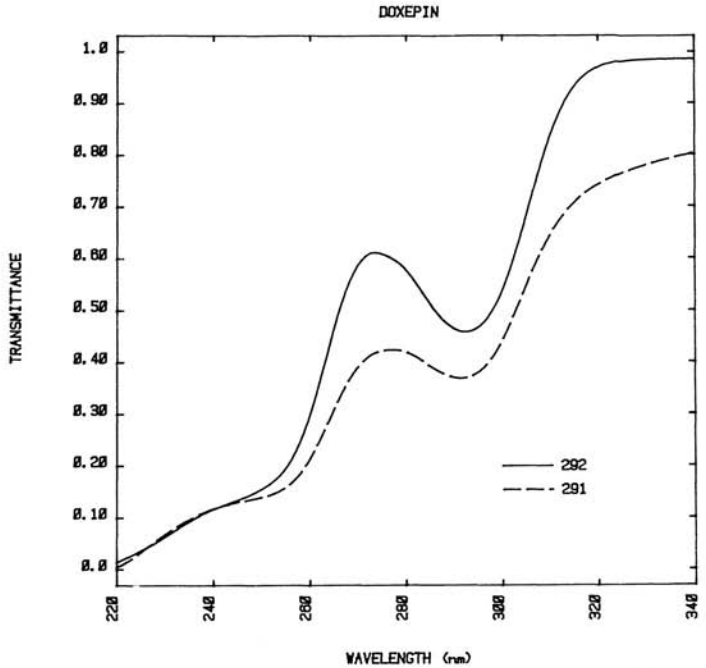
DOXEPIN

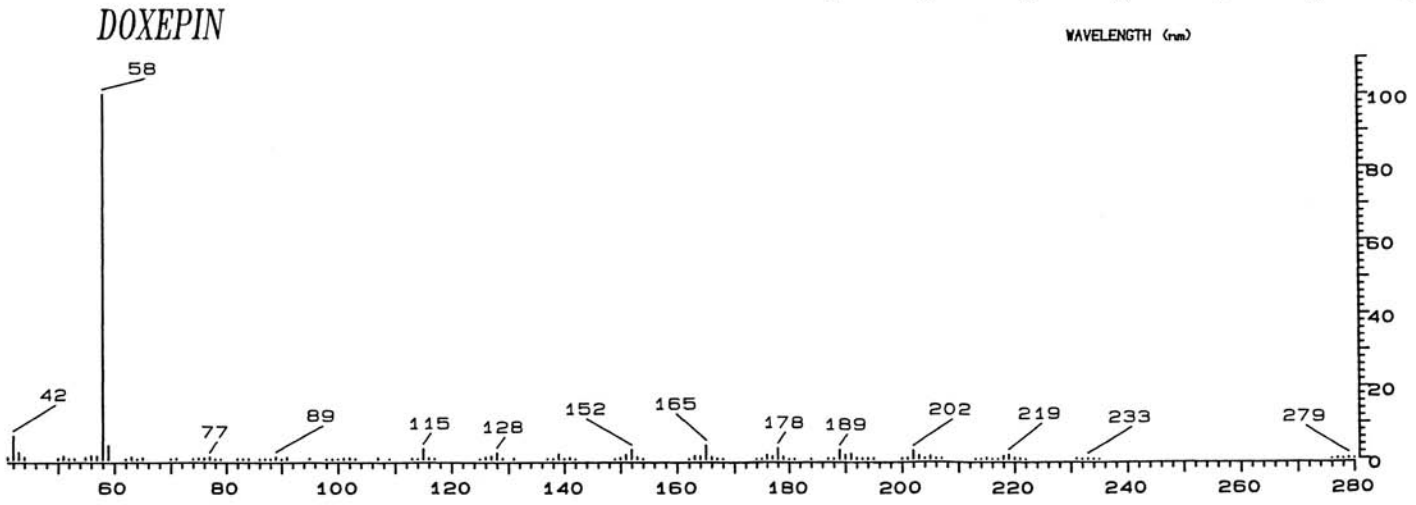
$C_{19}H_{21}NO$

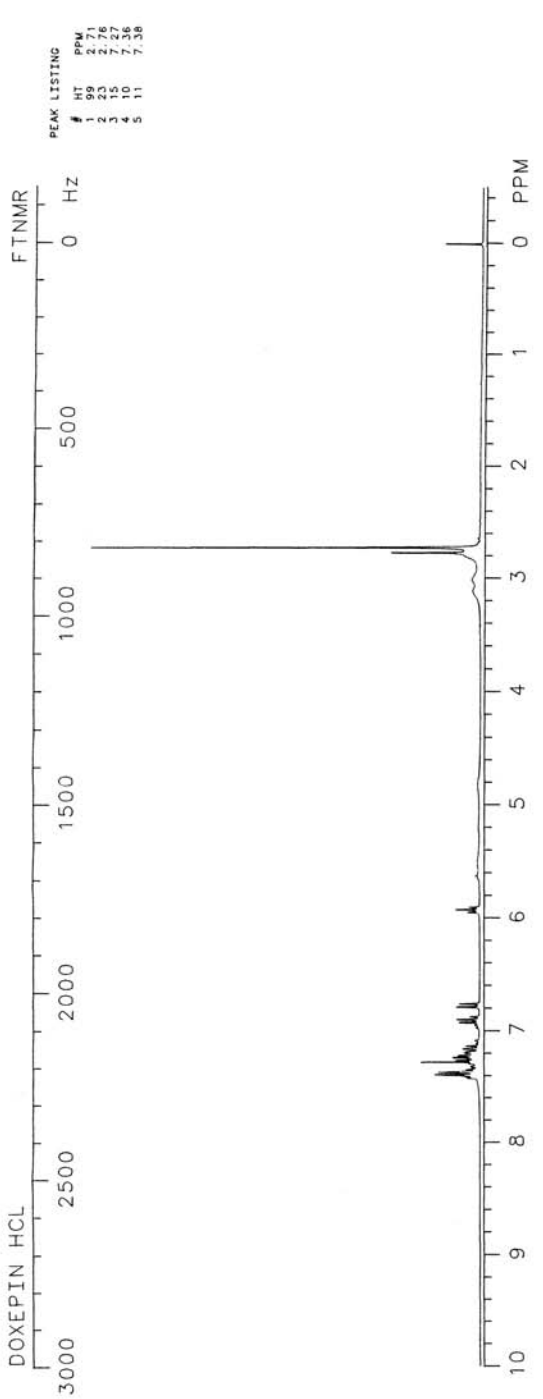
Molecular weight: 279.38 (279.16)
Synonyms: N,N-Dimethyl-3-dibenz[b,e]oxepin-11-(6H)-ylidene-1-propanamine
Trade names: Adapin, Sinequan

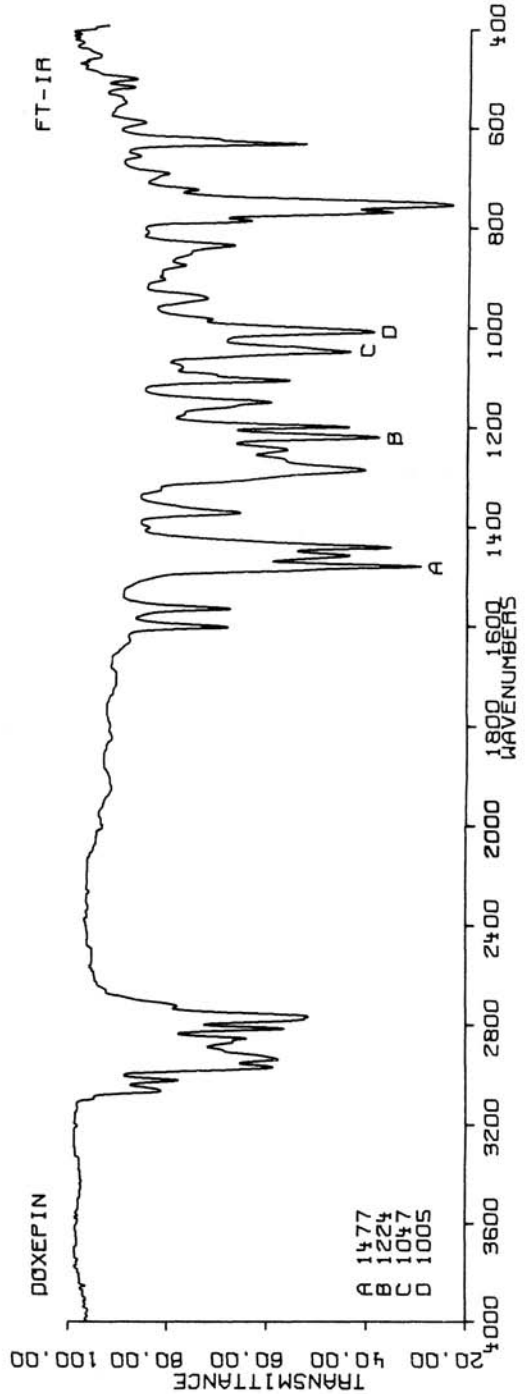
Use: Antidepressant
HPLC: Si-10; 2A:98B; 4.5
GC: 2278; 250°C








DOXEPIN HCL
FTNMR
PEAK LISTING
HT PPM
1 99 2.71
2 23 2.76
3 15 7.27
4 10 7.36
5 11 7.38
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

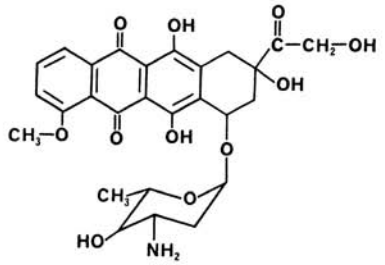

DOXEPIN
FT-IR
A 1477
B 1224
C 1047
D 1005
A
B
C
D
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

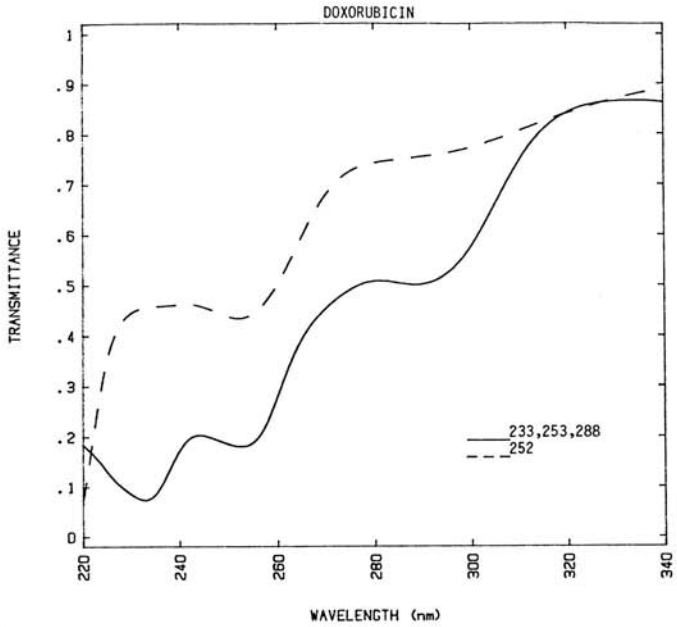
DOXORUBICIN

$C_{27}H_{29}NO_{11}$

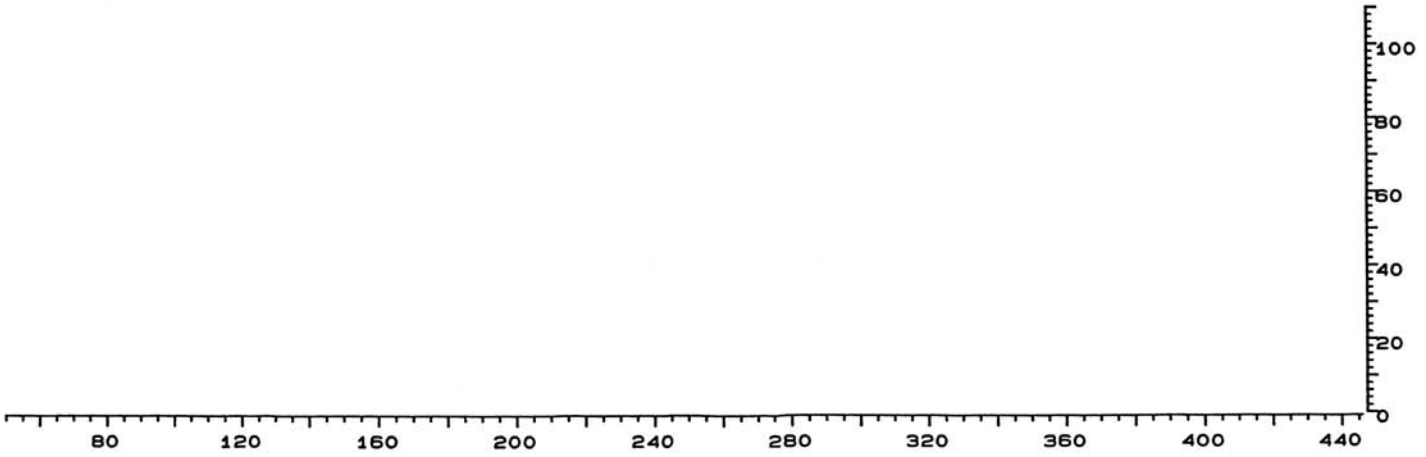
Molecular weight: 543.54 (543.17)
Synonyms: 10-[(3-Amino-2,3,6-trideoxy-α-L-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-5,12-naphthacenedione; 14-hydroxydaunomycin;
Trade names: Adriacin, Adriablastina, Adriamycin

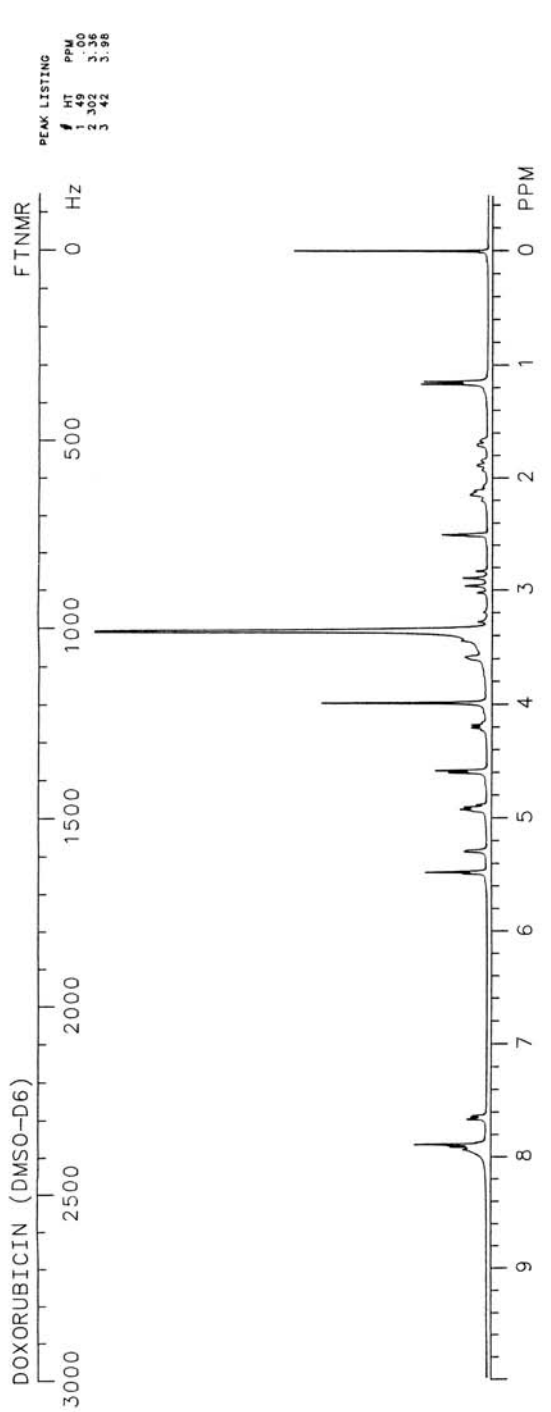
Use: Antibiotic, antineoplastic
HPLC: Si-10; 10A:90B; 4.6
GC:

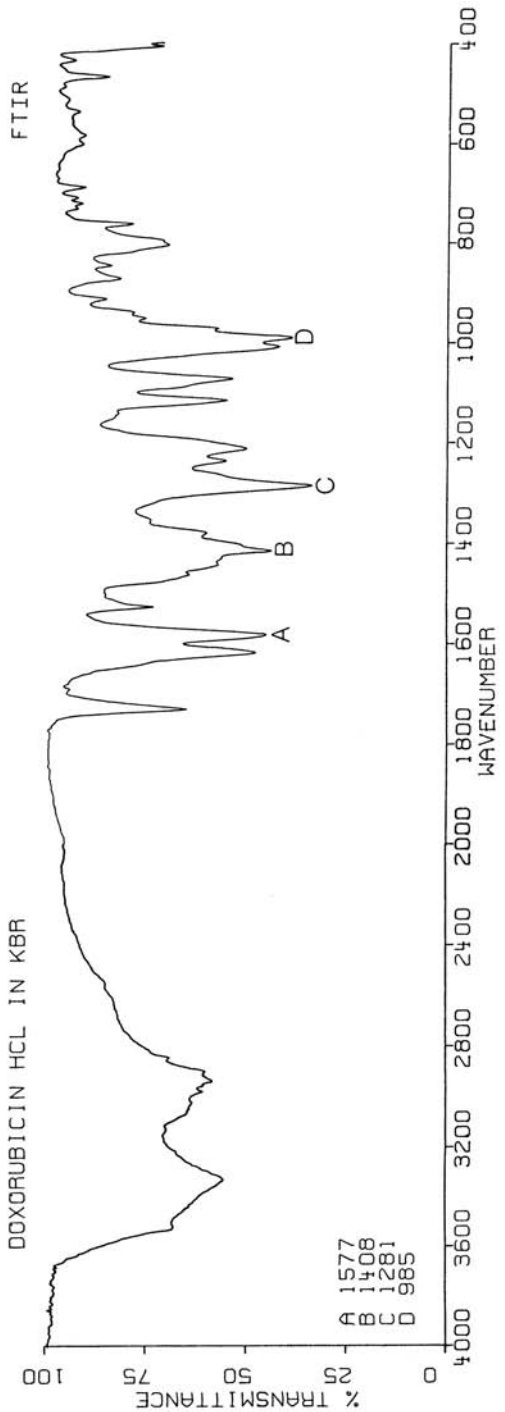




NO USEFUL MASS SPECTRUM WAS OBTAINED




DOXORUBICIN (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 49 .00
2 302 3.36
3 42 3.98
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

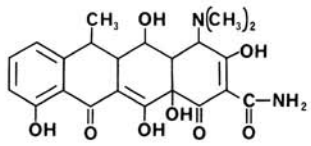

DOXORUBICIN HCL IN KBR
FTIR
A 1577
B 1408
C 1281
D 985
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

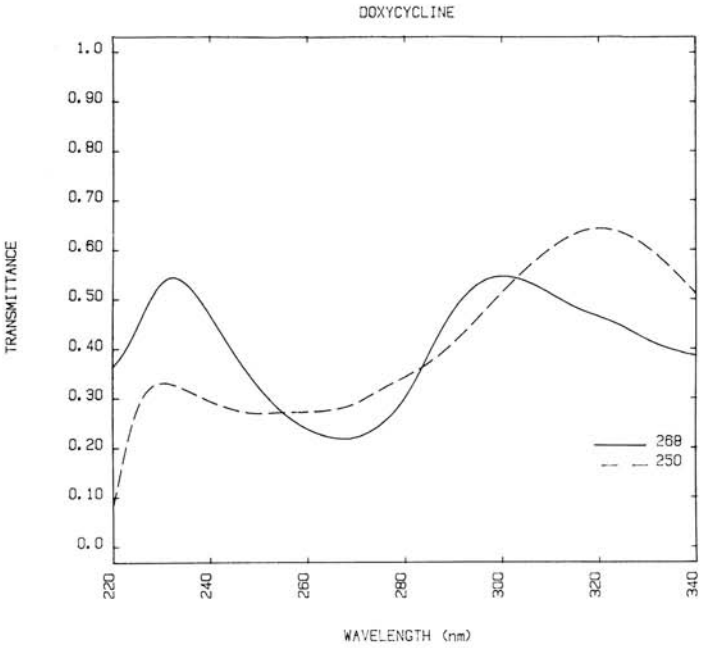
DOXYCYCLINE

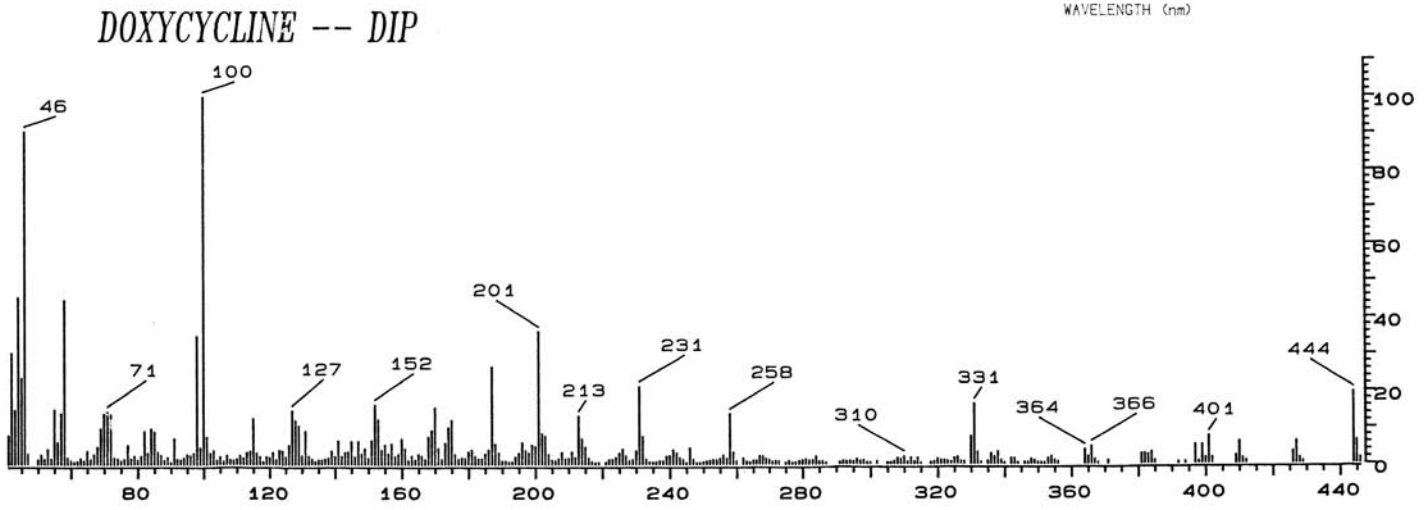
$C_{22}H_{24}N_2O_8$

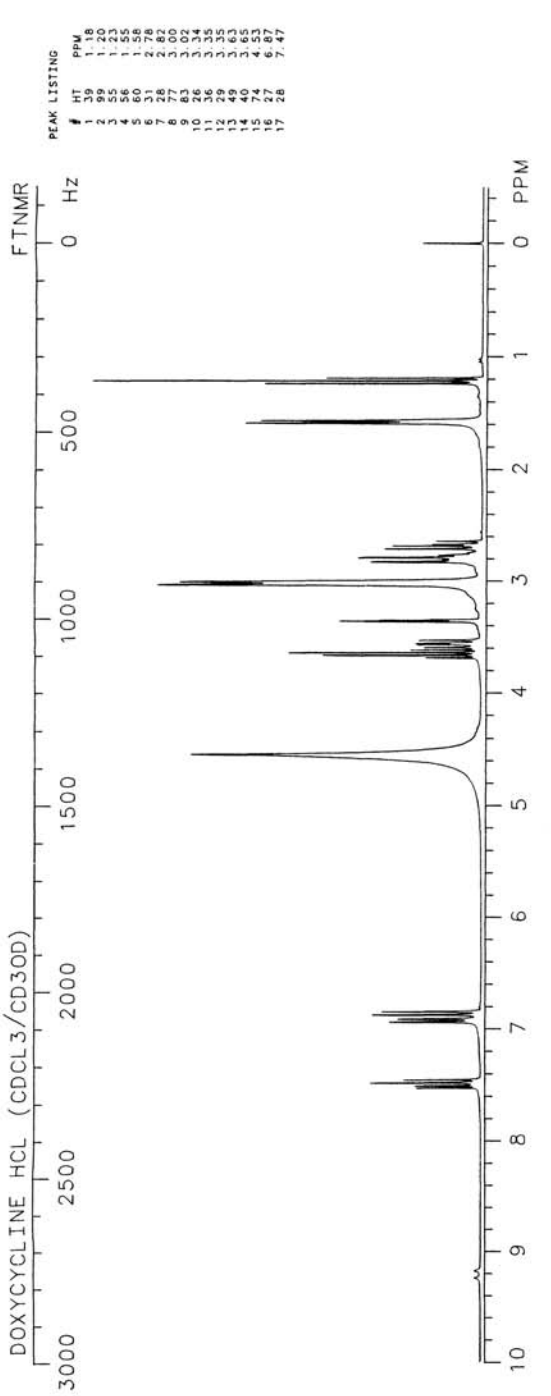
Molecular weight: 444.44 (444.15)
Synonyms: 4αS-(Dimethylamino)-1,4,4aα,5,5aα,6,11,12a-octahydro-3,5α,-10,12,12aα-pentahydroxy-6α-methyl-1,11-dioxo-2-naphthacene-carboxamide
Trade names: Doxycycline Hyclate, Vibramycin Hyclate, Vibra-Tabs

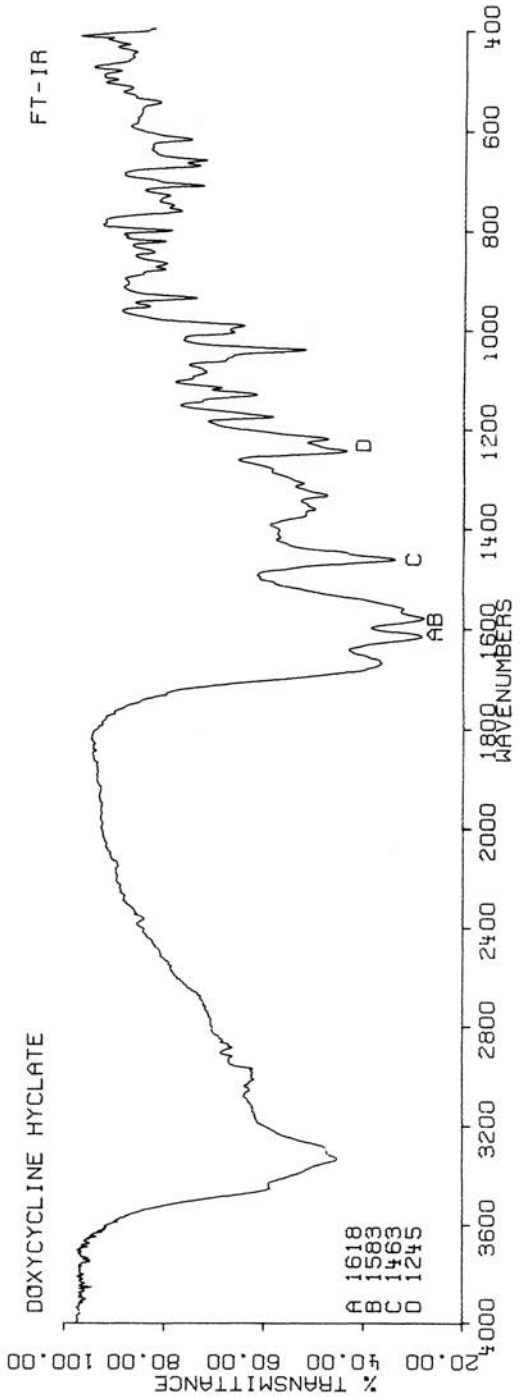
Use: Antibiotic
HPLC: Si-10; 5A:95B; 4.0
GC:








DOXYCYCLINE HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 39 1.18
2 99 1.20
3 55 1.23
4 56 1.55
5 60 1.58
6 31 2.76
7 28 2.82
8 77 3.00
9 83 3.02
10 26 3.34
11 36 3.35
12 29 3.63
13 49 3.65
14 40 4.53
15 74 6.87
16 27 7.47
17 28 7.47
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

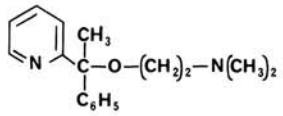

DOXYCYCLINE HYCLATE
FT-IR
A 1618
B 1583
C 1463
D 1245
AB
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

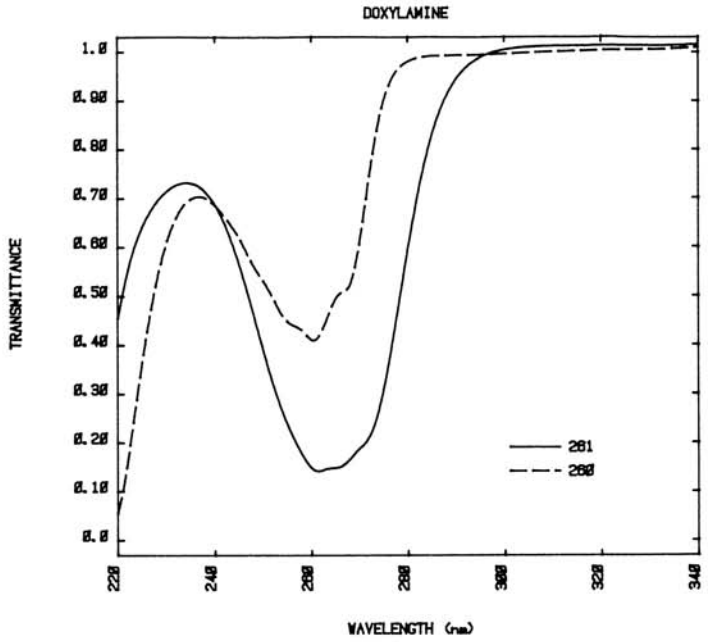
DOXYLAMINE

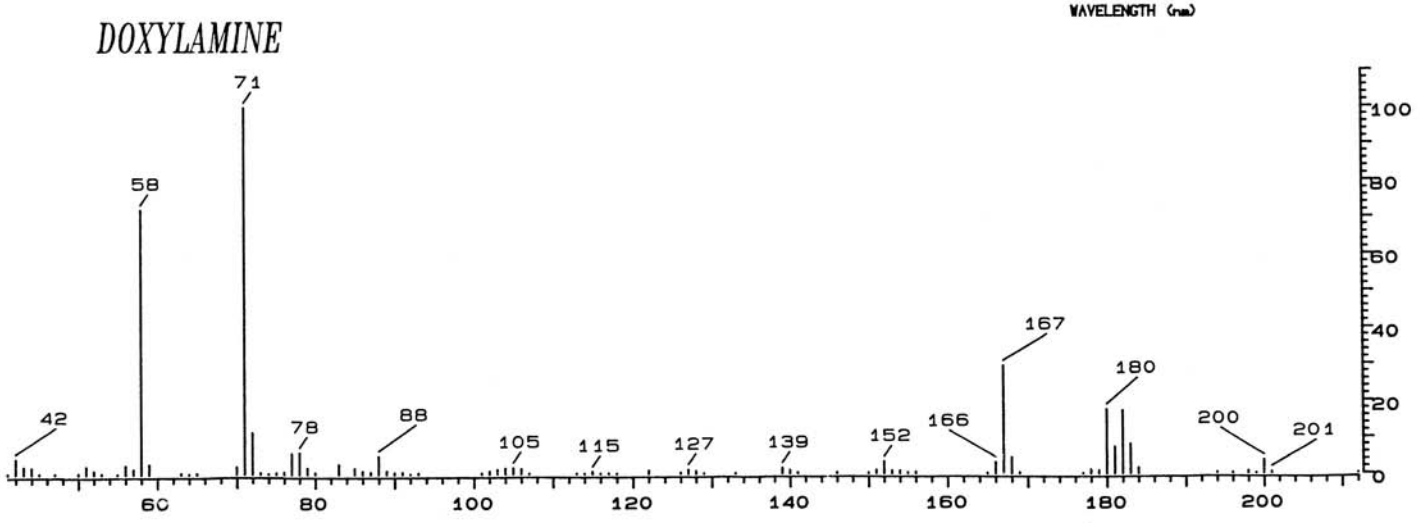
$C_{17}H_{22}N_2O$

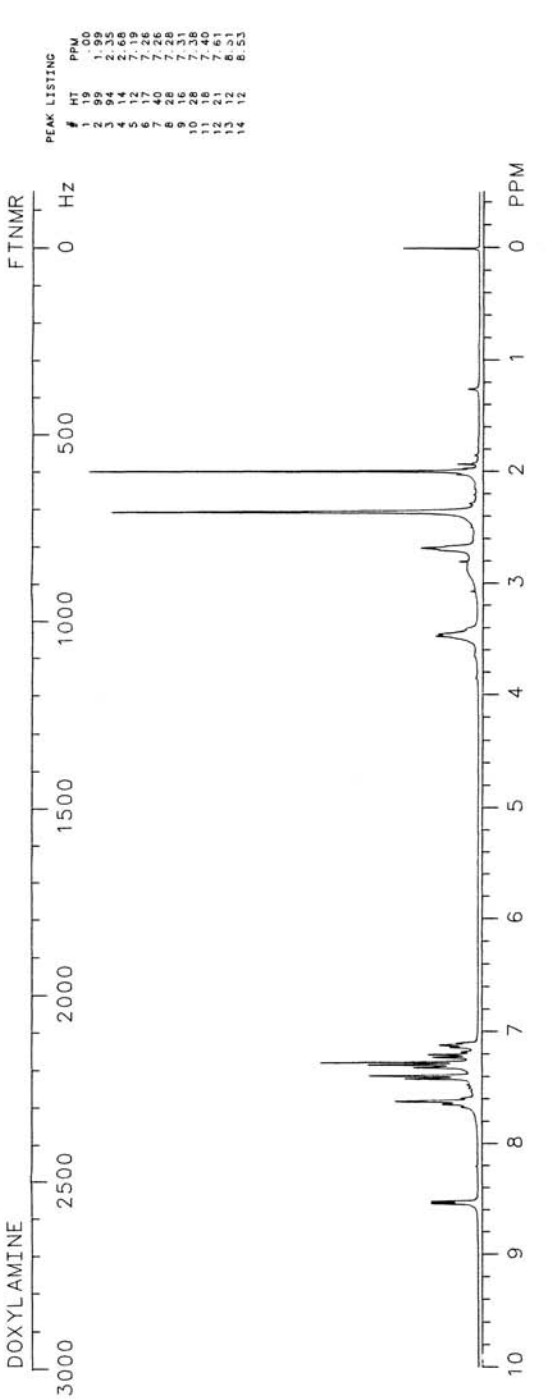
Molecular weight: 270.37 (270.17)
Synonyms: N,N-Dimethyl-2-[1-phenyl-1-(2-pyridinyl)ethoxy]-ethanamine; 2-[α-(2-dimethylaminoethoxy)-α-methylbenzyl]pyridine
Trade names: Bendectin, Doxine, Mereprine, Unisom

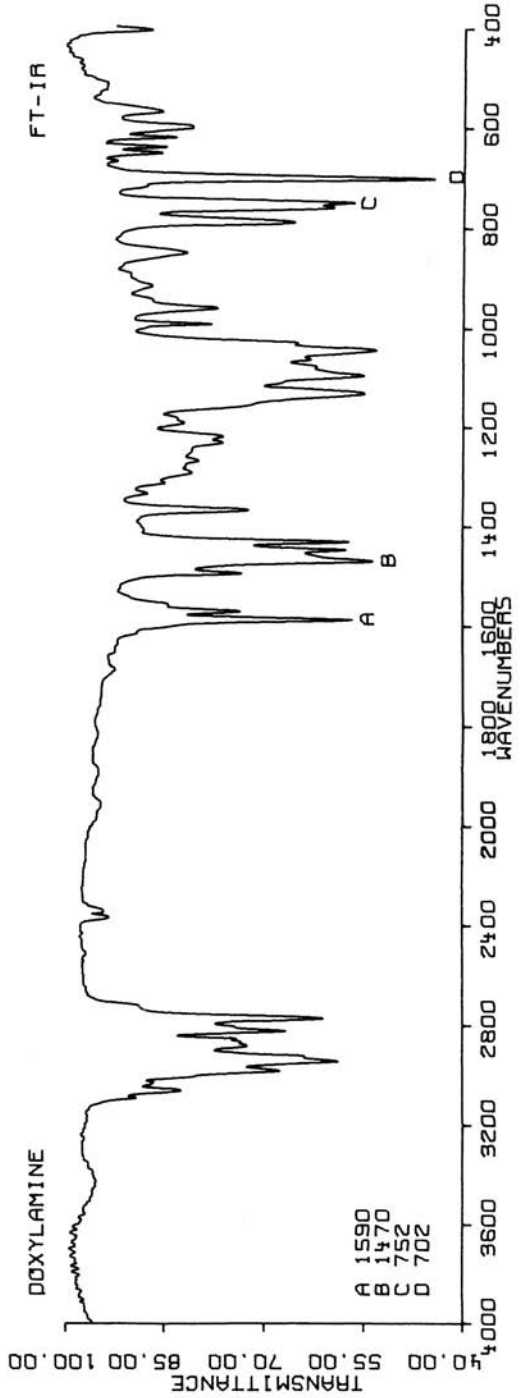
Use: Antihistaminic
HPLC: Si-10; 20A:80B; 4.0
GC: 1917; 200°C







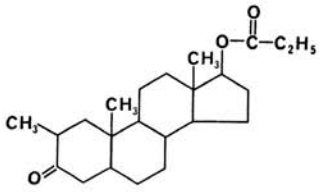

DOXYLAMINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 19 .00
2 99 1.99
3 94 2.35
4 14 2.68
5 12 7.19
6 17 7.26
7 40 7.26
8 28 7.28
9 16 7.31
10 28 7.38
11 16 7.40
12 21 7.61
13 12 7.71
14 12 8.53

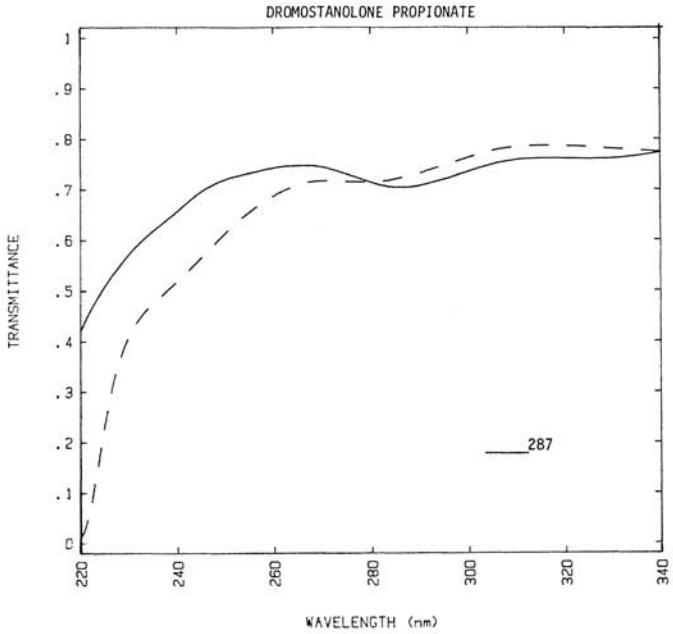

DOXYLAMINE
FT-IR
TRANSMITTANCE
100.00 85.00 70.00 55.00 50.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D
A 1590
B 1470
C 752
D 702

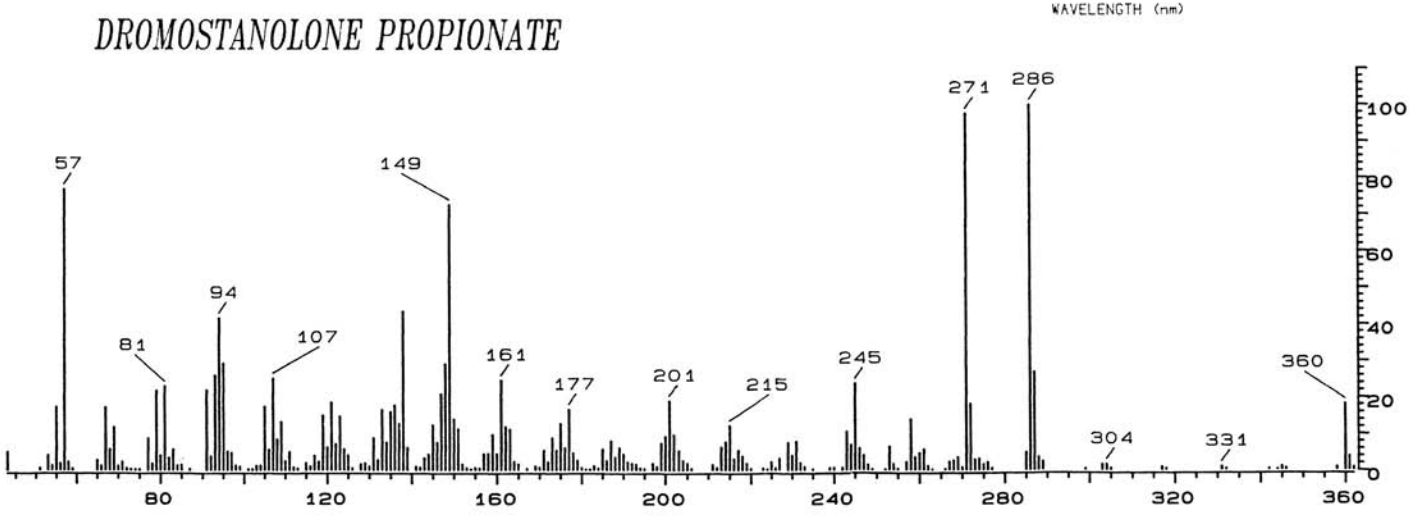
DROMOSTANOLONE PROPIONATE

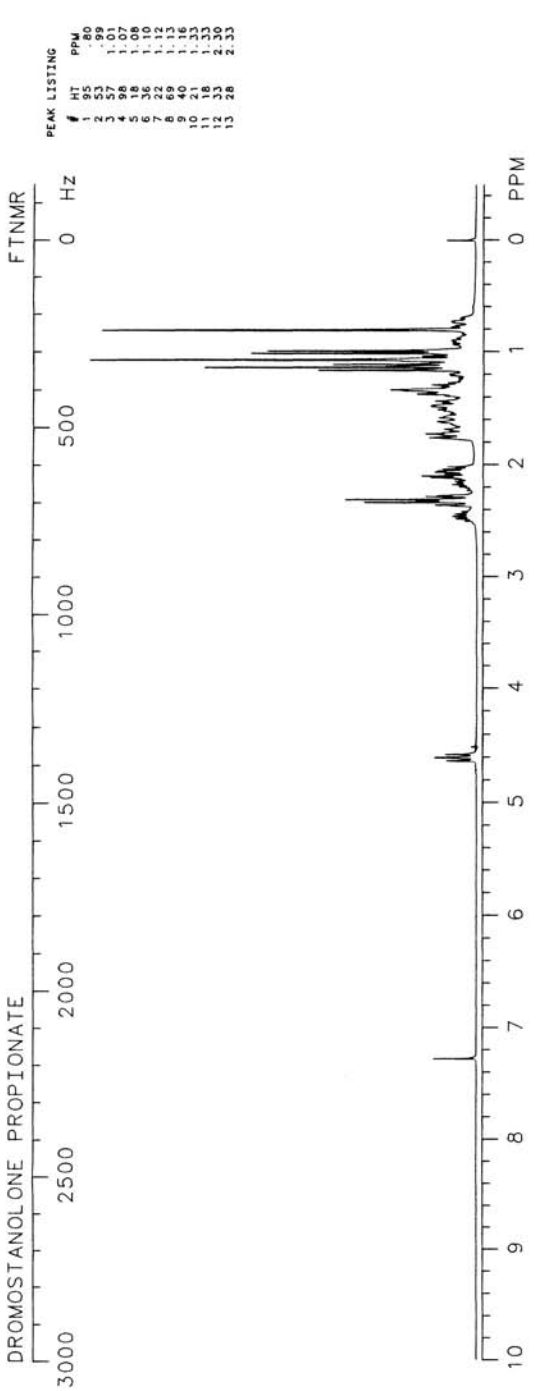
$C_{23}H_{36}O$

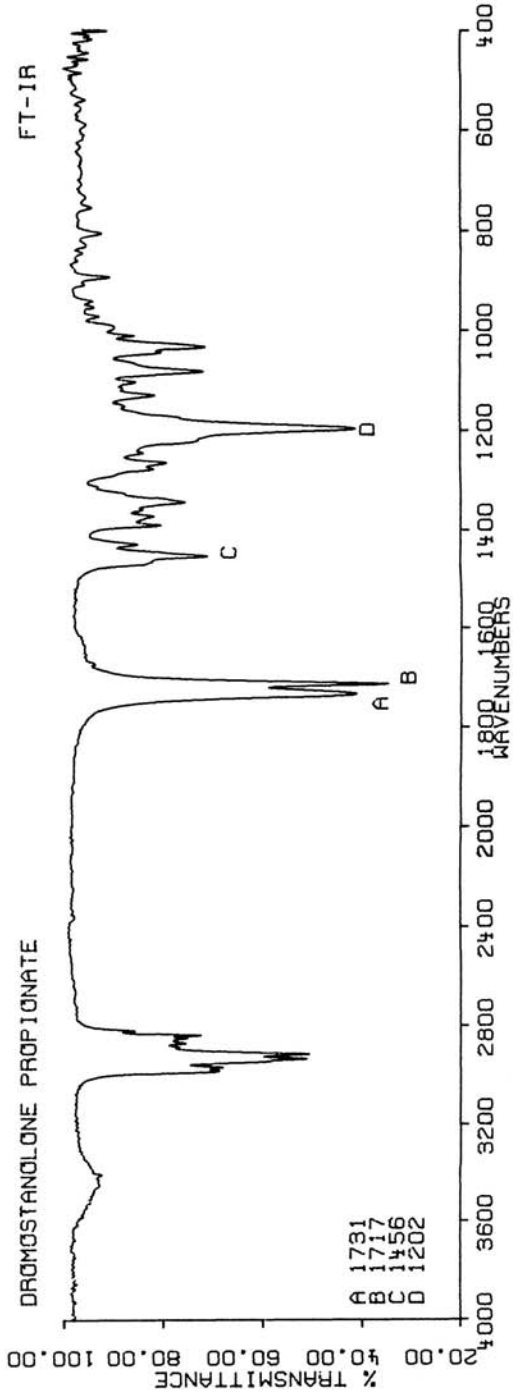
Molecular weight: 360.52 (360.27)
Synonyms: 2α-Methyl-17β-(1-oxopropoxy)-5α-androstan-3-one; drostandone propionate
Trade names: Drolban, Emdisterone, Masterid, Masteril, Masterone, Permastril
Use: Antineoplastic
HPLC:
GC: 2963; 280°C








DROMOSTANOLONE PROPIONATE
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 .80
2 53 .99
3 57 1.01
4 96 1.07
5 18 1.08
6 36 1.10
7 22 1.12
8 69 1.13
9 40 1.16
10 21 1.33
11 16 1.33
12 33 2.30
13 28 2.33


DROMOSTANOLONE PROPIONATE
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 1731
B 1717
C 1456
D 1202

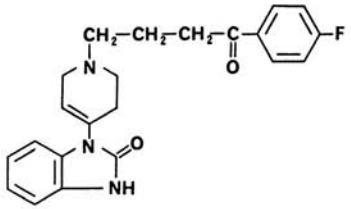
DROPERIDOL

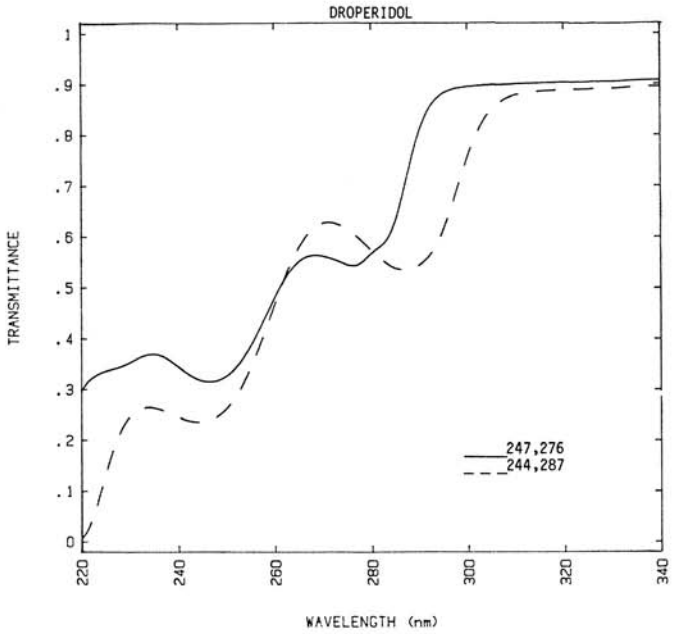
$C_{22}H_{22}FN_3O_2$

Molecular weight: 379.44 (379.17)

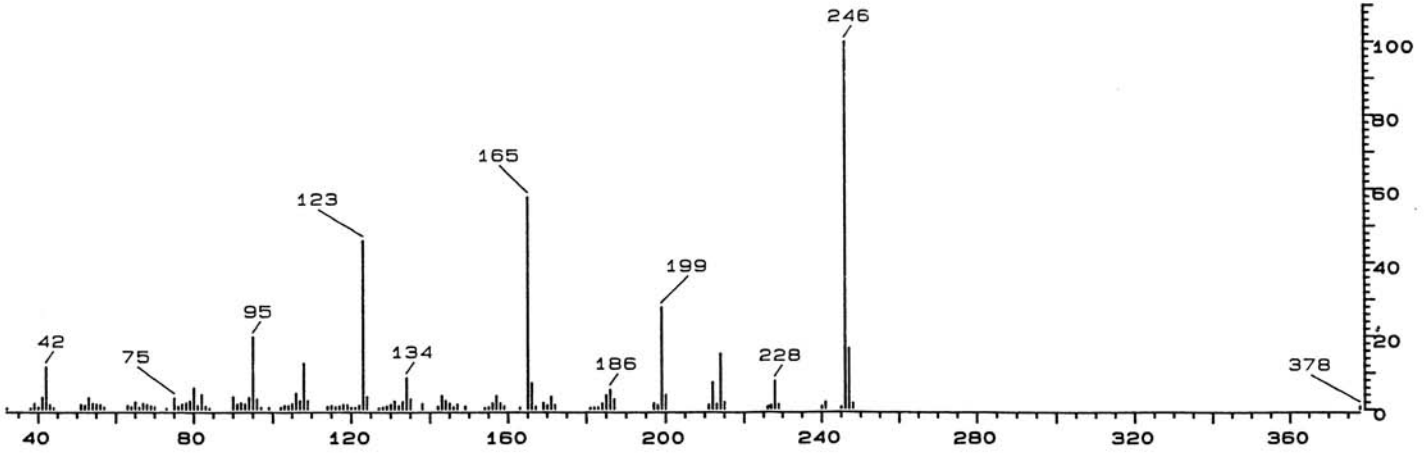
Synonyms: 1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-1,2,3,6-tetrahydro-4-pyridinyl]-1,3-dihydro-2H-benzimidazol-2-one; dehydrobenzperidol
Trade names: Dridol, Droleptan, Inapaine, Innovar

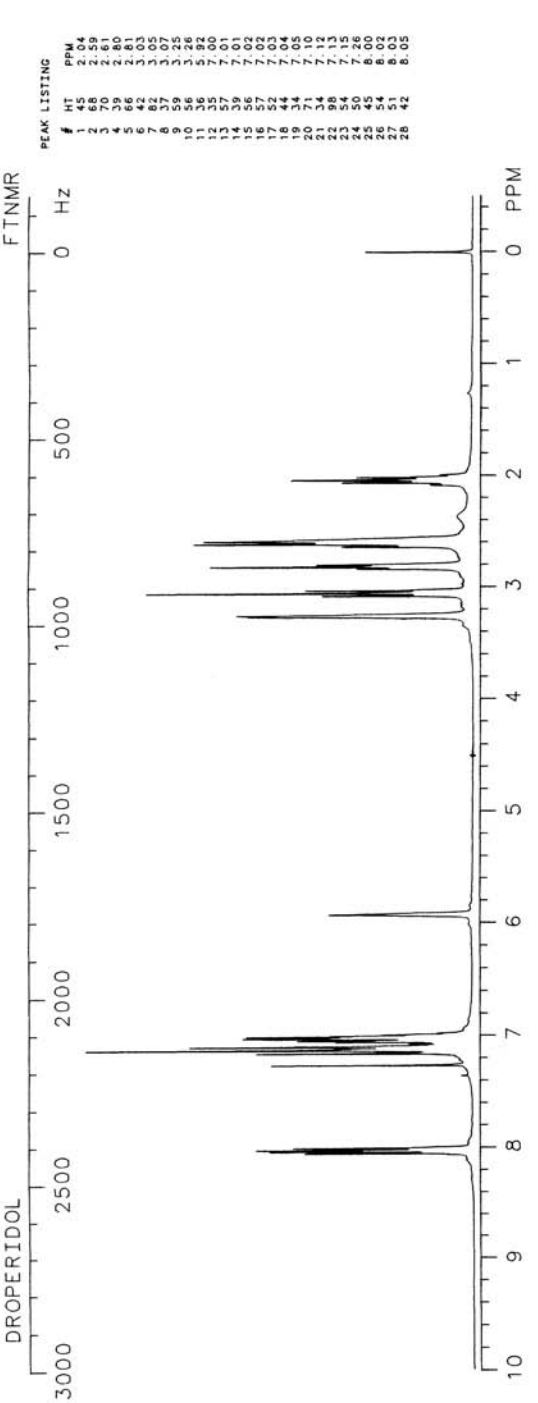
Use: Tranquilizer
HPLC: Si-10; 2A:98B; 7.0
GC: 3022; 280°C

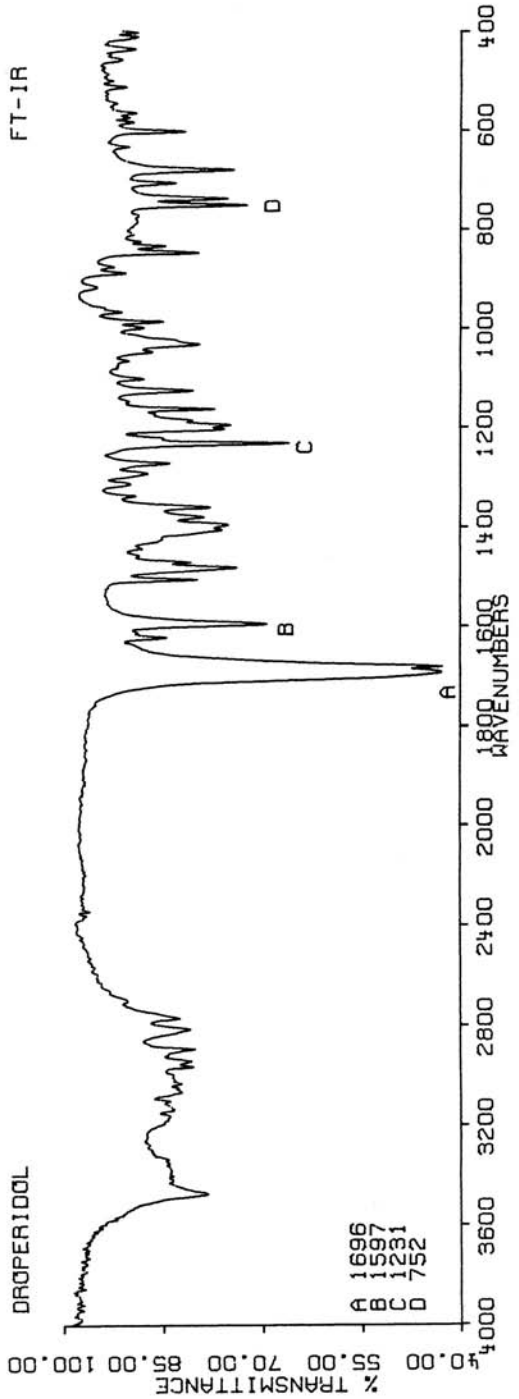




DROPERIDOL -- DIP




FTNMR
DROPERIDOL
PEAK LISTING
HT PPM
1 45 2.04
2 68 2.59
3 70 2.61
4 39 2.80
5 66 2.81
6 42 3.03
7 82 3.05
8 57 3.07
9 59 3.25
10 56 3.26
11 36 5.92
12 35 7.00
13 57 7.01
14 59 7.01
15 56 7.02
16 57 7.02
17 52 7.03
18 44 7.04
19 34 7.05
20 71 7.10
21 94 7.12
22 98 7.13
23 54 7.15
24 50 7.26
25 45 8.00
26 54 8.02
27 51 8.03
28 42 8.05
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

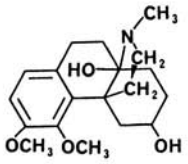

FT-IR
DROPERIDOL
A 1696
B 1597
C 1231
D 752
A
B
C
D
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

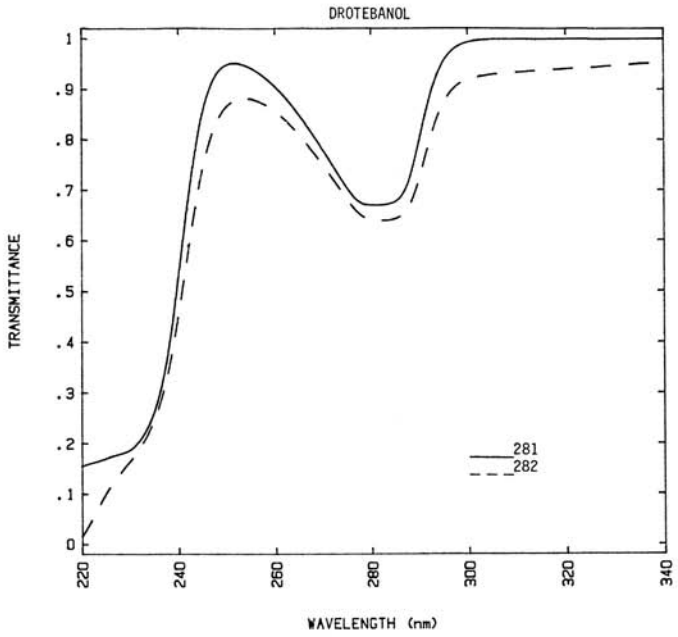
DROTEBANOL

$C_{19}H_{27}NO_4$

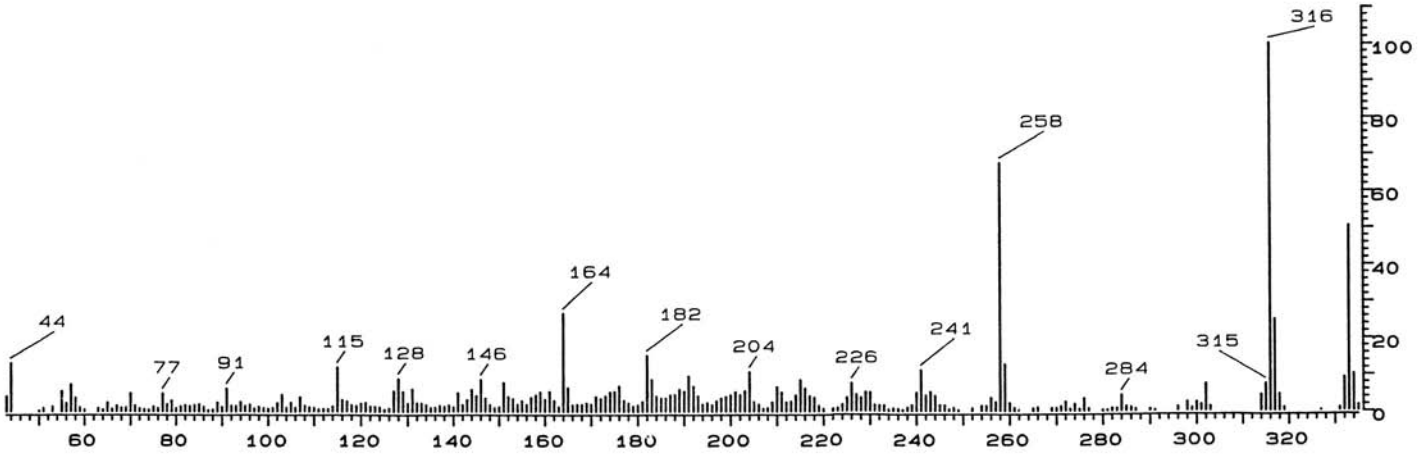
Molecular weight: 333.41 (333.19)
Synonyms: 3,4-Dimethoxy-17-methylmorphinan-6-14-diol; oxymethebanol;
6β-14-dihydroxy-3,4-dimethoxy-N-methylmorphinan
Trade names: Metebanyl

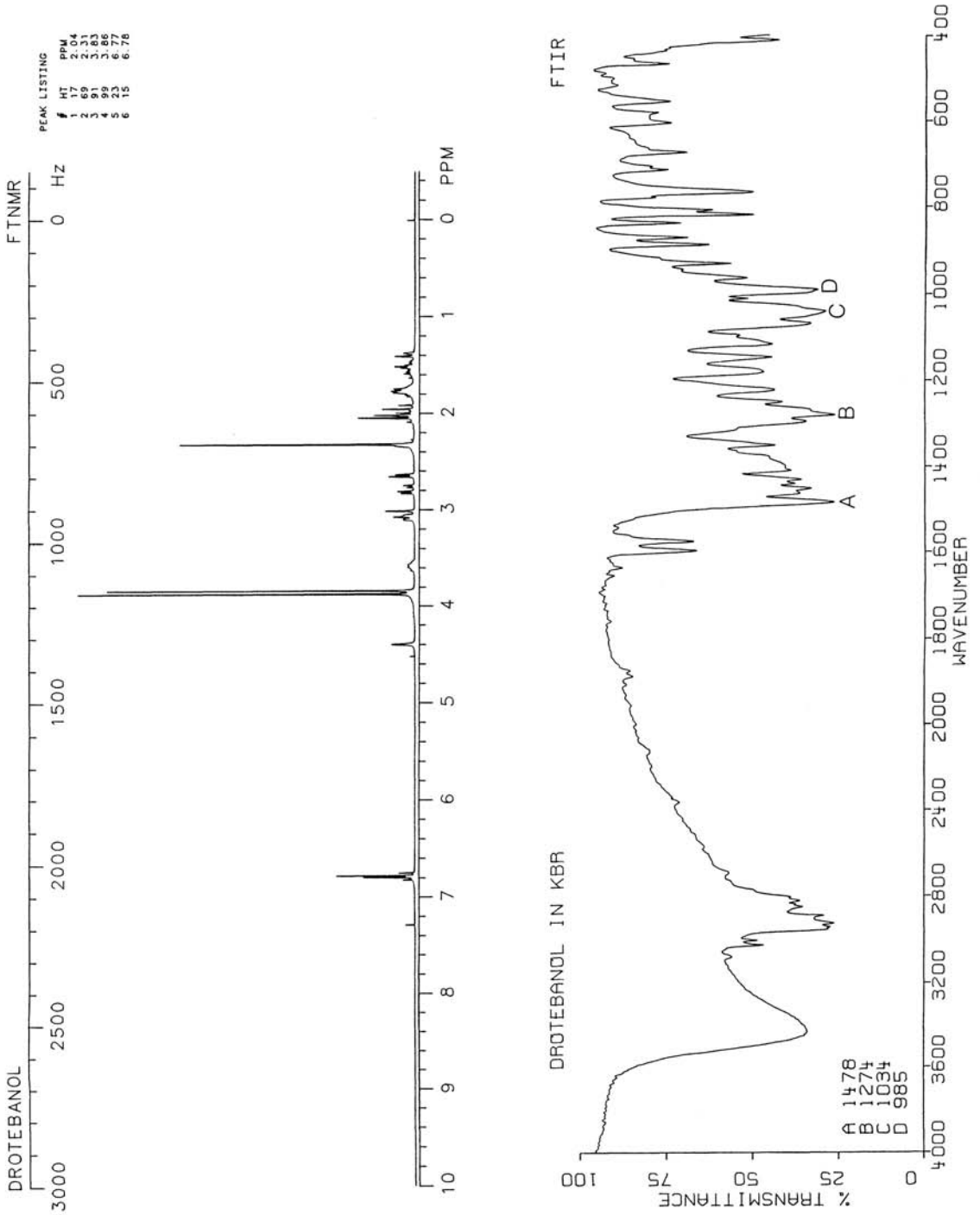
Use: Antitussive
HPLC: Si-10; 5A:95B; 5.7
GC: 2624; 280°C





DROTEBANOL



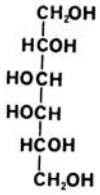

DROTEBANOL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 17 2.04
2 69 2.31
3 91 3.83
4 91 3.86
5 23 6.77
6 15 6.78
0 1 2 3 4 5 6 7 8 9 10 PPM
DROTEBANOL IN KBR
FTIR
A 1478
B 1274
C 1034
D 985
A
B
C D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

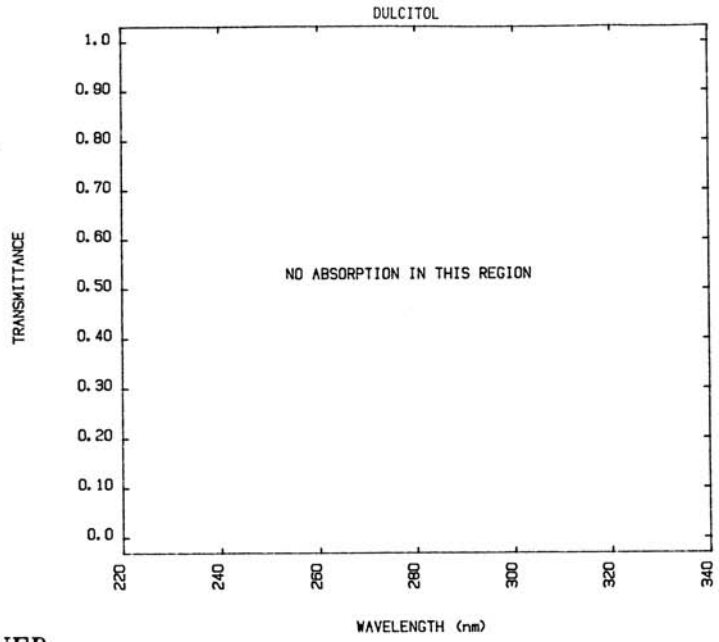
DULCITOL

$C_6H_{14}O_6$

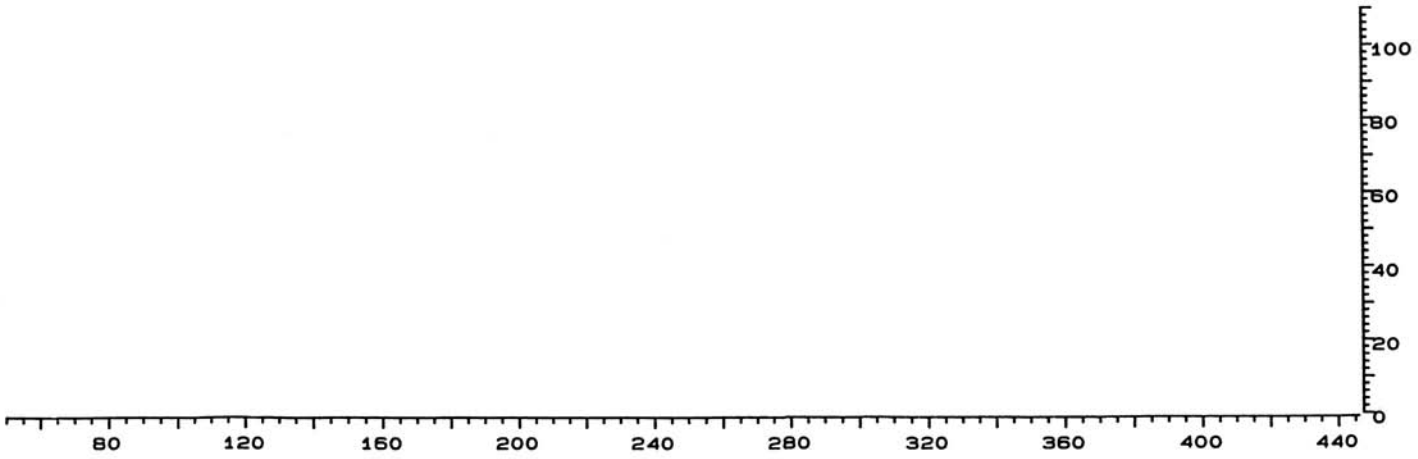
Molecular weight: 182.17 (182.08)
Synonyms: Dulcite, Dulcose, Euonymit, Galactitol, Melampyrite, Melampyrum
Melampyrin
Trade names: Nitrodulcitol

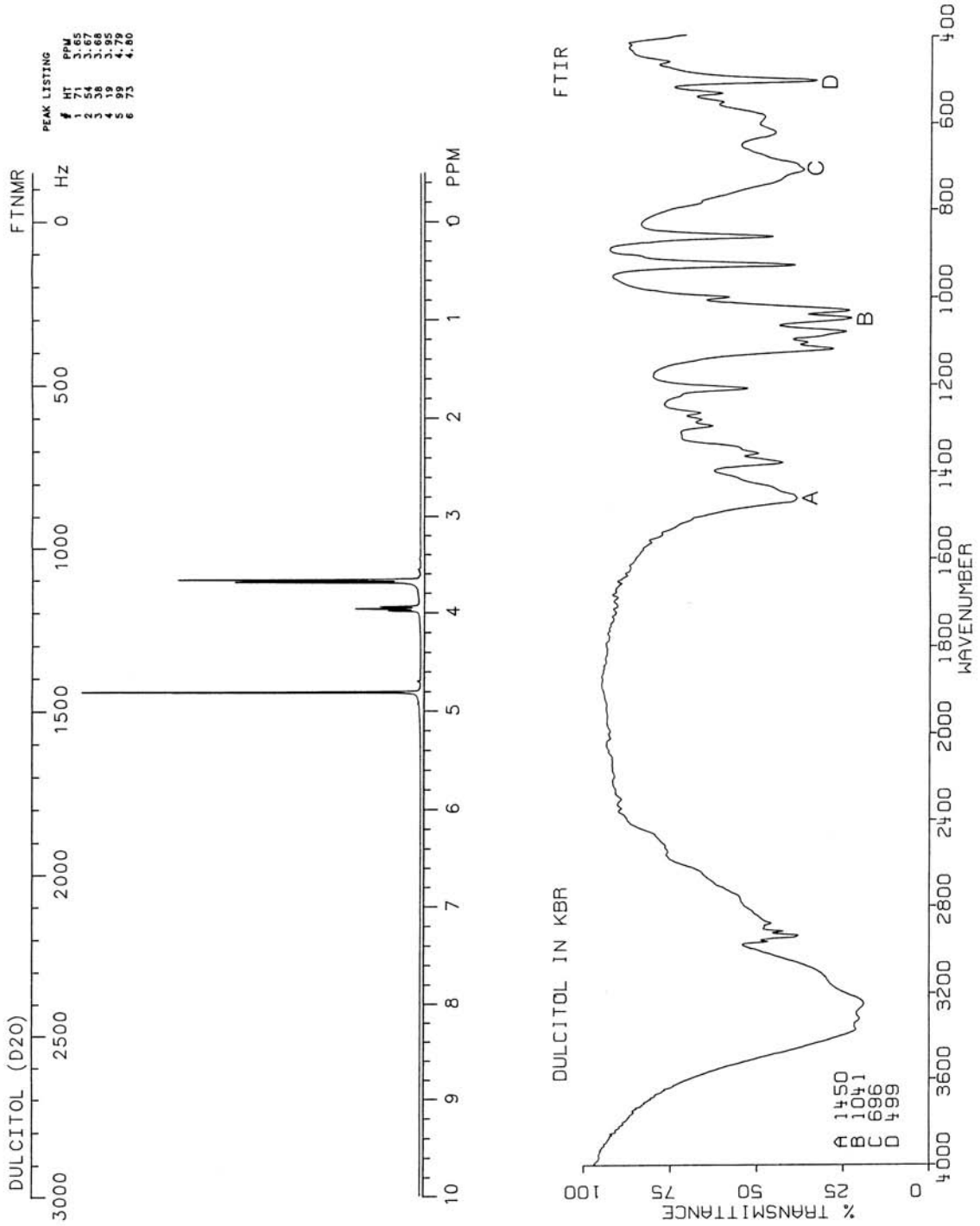
Use:
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



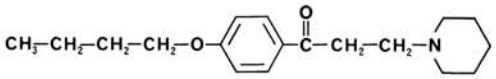

DULCITOL (D2O)
FTNMR
PEAK LISTING
HT PPM
1 71 3.65
2 54 3.67
3 38 3.68
4 19 3.95
5 99 4.79
6 73 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
DULCITOL IN KBR
FTIR
A 1450
B 1041
C 696
D 499
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

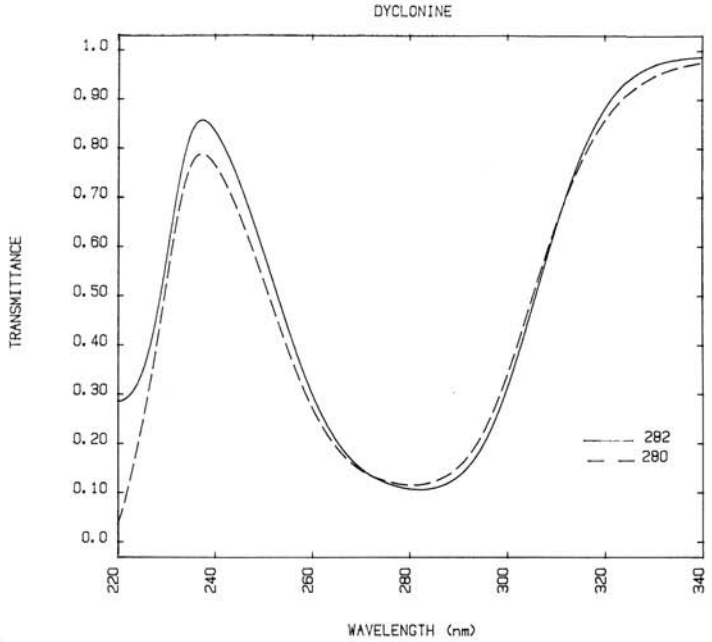
DYCLONINE

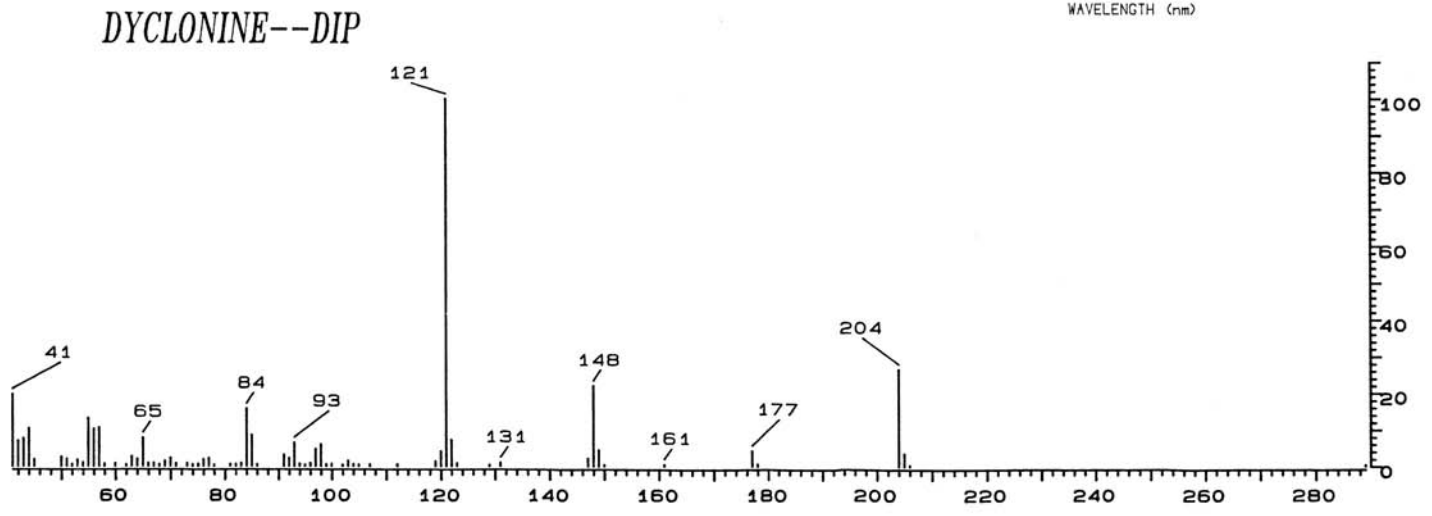
$C_{18}H_{27}NO_2$

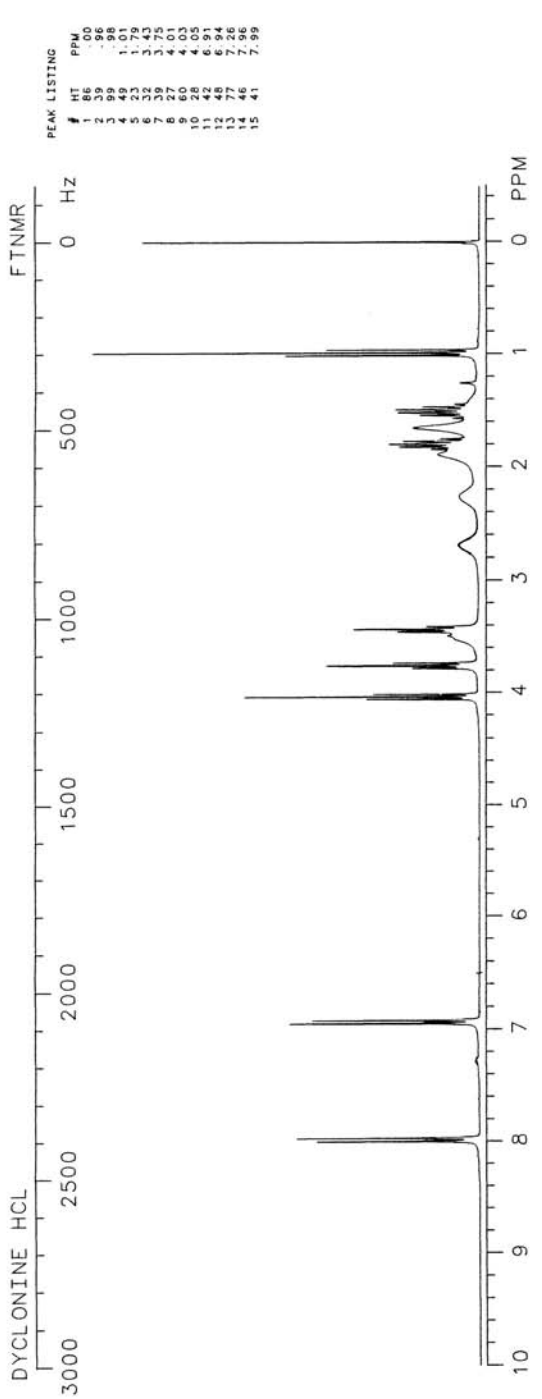
Molecular weight: 289.42 (289.20)
Synonyms: 1-(4-Butoxyphenyl)-3-(1-piperidinyl)-1-propanone; 4-butoxyphenyl piperidineethyl ketone
Trade names: Dyclone

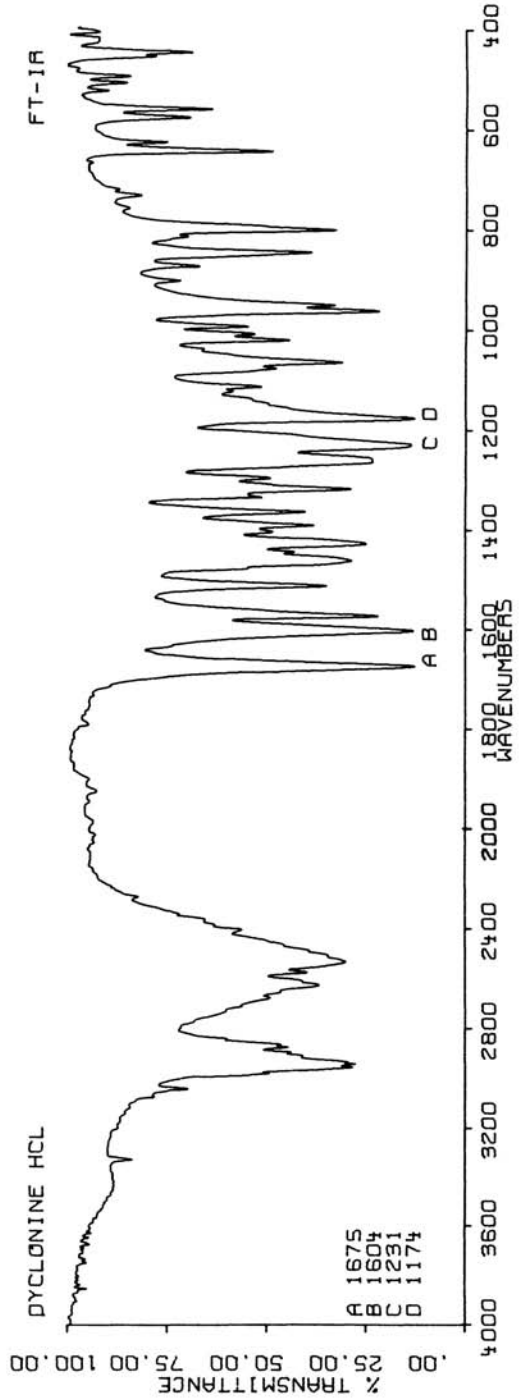
Use: Topical anesthetic
HPLC: Si-10; 5A:95B; 4.5
GC:







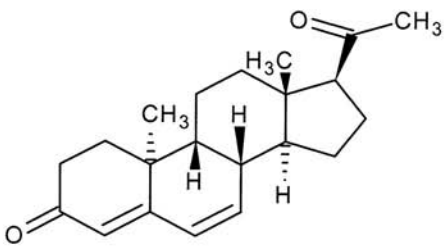

FTNMR
DYCLONINE HCL
PEAK LISTING
HT PPM
1 86 .00
2 39 .96
3 99 .98
4 49 1.01
5 32 1.29
6 33 1.43
7 39 3.75
8 27 4.01
9 60 4.03
10 28 4.05
11 42 6.91
12 48 6.94
13 77 7.26
14 46 7.96
15 41 7.99
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

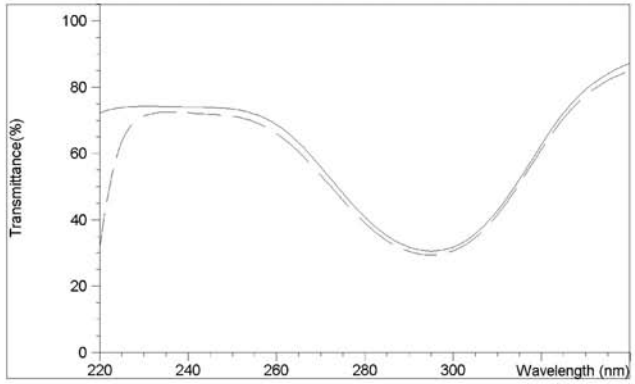

FT-IR
DYCLONINE HCL
A 1675
B 1604
C 1231
D 1174
A B
C D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

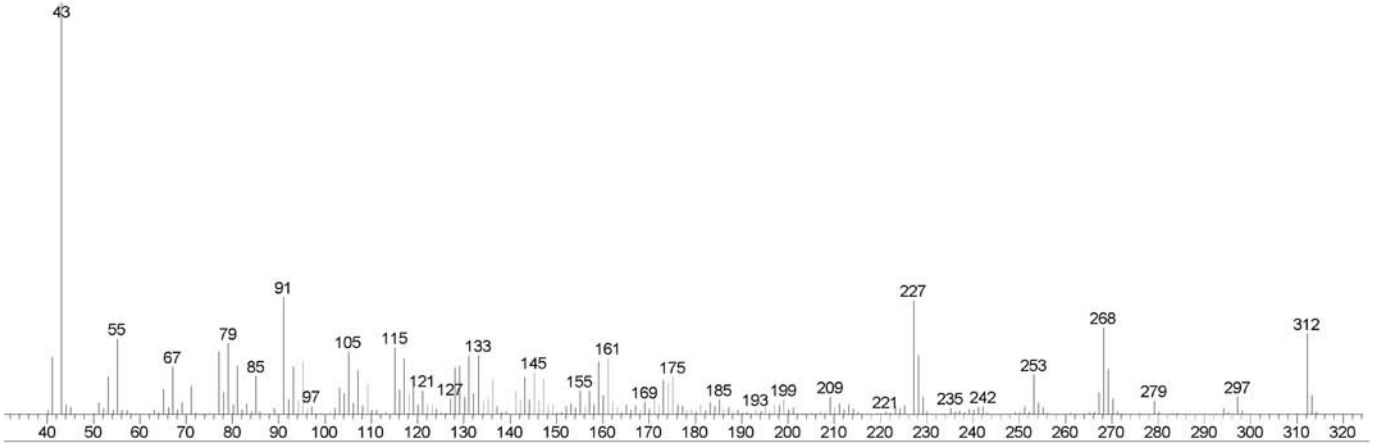
DYDROGESTERONE

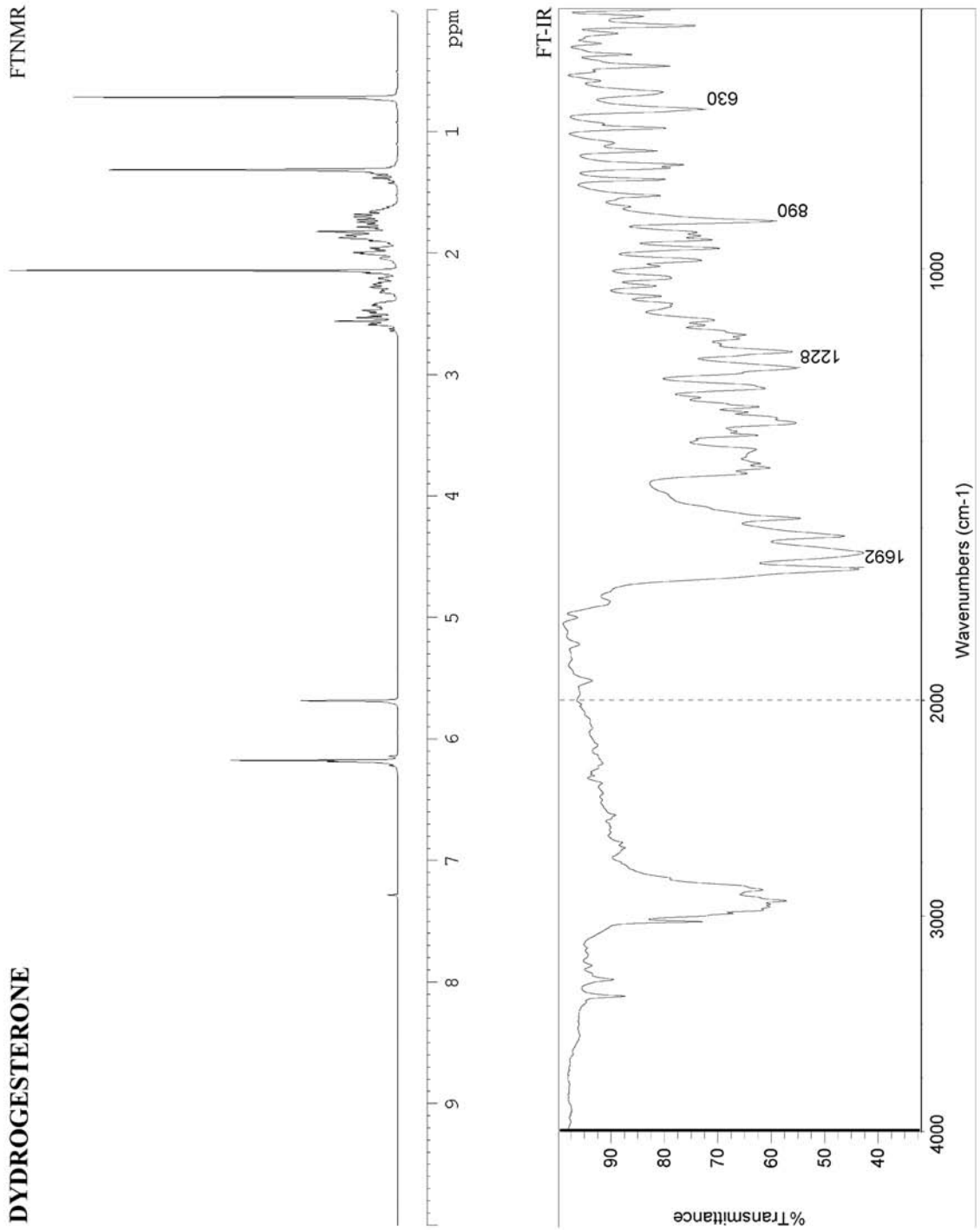
$C_{21}H_{28}O_2$

Molecular Weight: 312.45 (312.21)
Synonyms: (9β,10α)-Pregna-4-6-diene-3,20-dione, 10α-pregna-4,6-diene-3,20-dione, 6-dehydro-*reto*-progesterone
Trade names: Dufaston, Duphaston, Gynorest, Prodel, Retrone
Use: Progestogen







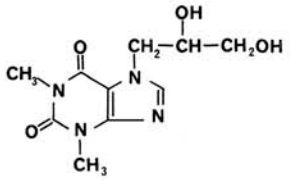

DYDROGESTERONE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
90
80
70
60
50
40
4000
3000
2000
1000
Wavenumbers (cm-1)
1692
1228
890
630

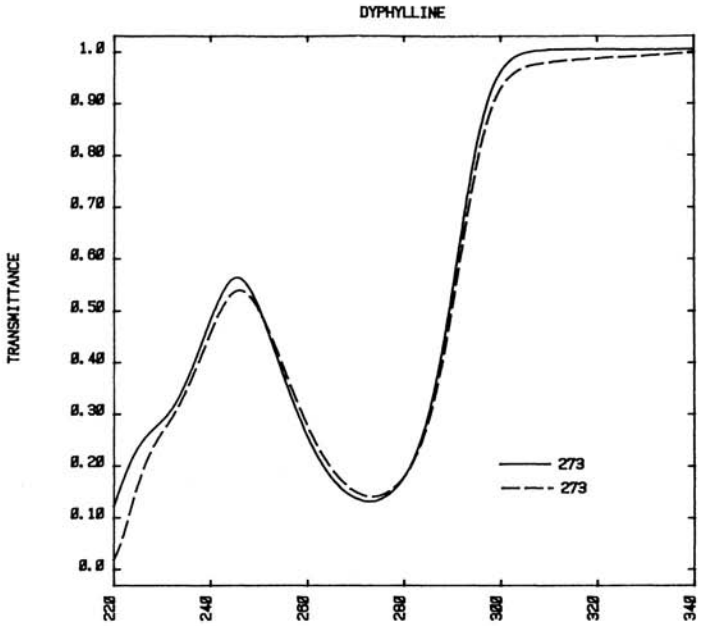
DYPHYLLINE

$C_{10}H_{14}N_4O_4$

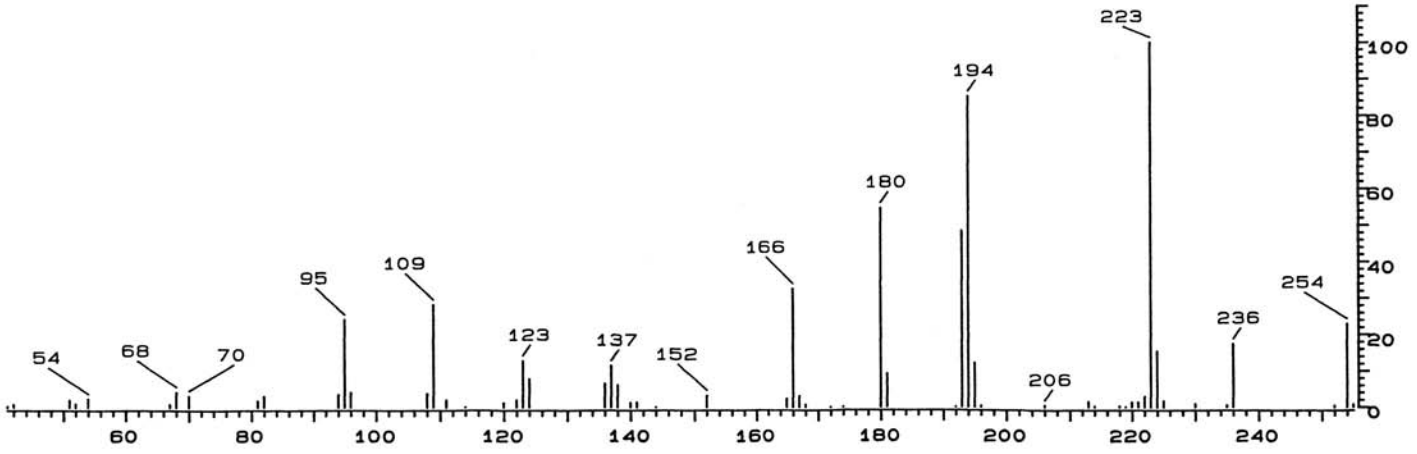
Molecular weight: 254.25 (254.10)
Synonyms: 7-(2,3-Dihydroxypropyl)-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione; (1,2-dihydroxy-3-propyl)theophylline; diprophylline
Trade names: Dilor, Dyflex, Emfaseem, Lufyllin, Neothylline

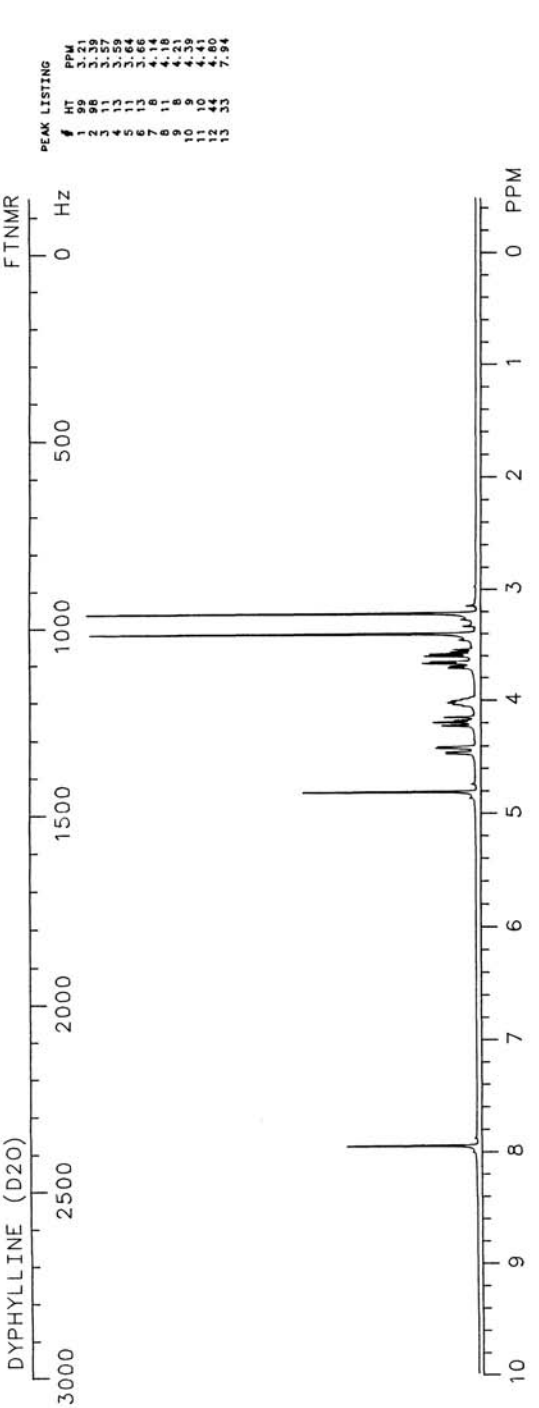
Use: Muscle relaxant
HPLC: Si-10; 20A:80B; 6.2
GC: 2421; 250°C

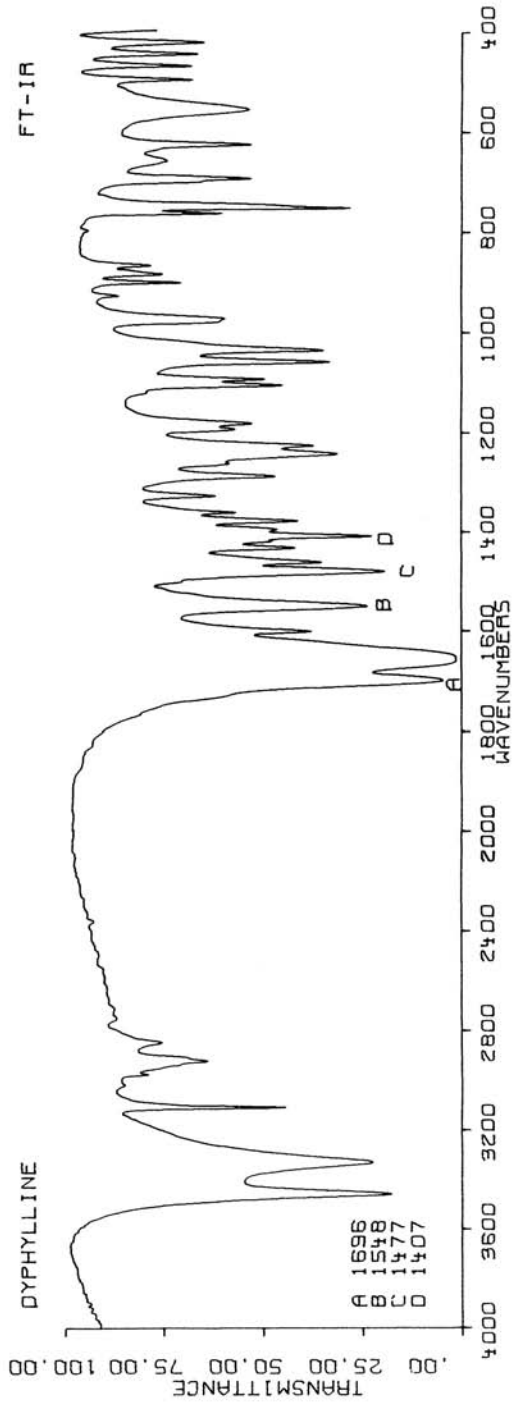




DYPHYLLINE




DYPHYLLINE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 99 3.21
2 98 3.39
3 11 3.57
4 13 3.59
5 11 3.64
6 13 3.66
7 8 4.14
8 11 4.18
9 8 4.21
10 9 4.39
11 10 4.41
12 44 4.80
13 33 7.94
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

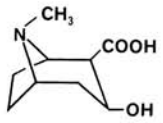

DYPHYLLINE
FT-IR
A 1696
B 1548
C 1477
D 1407
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

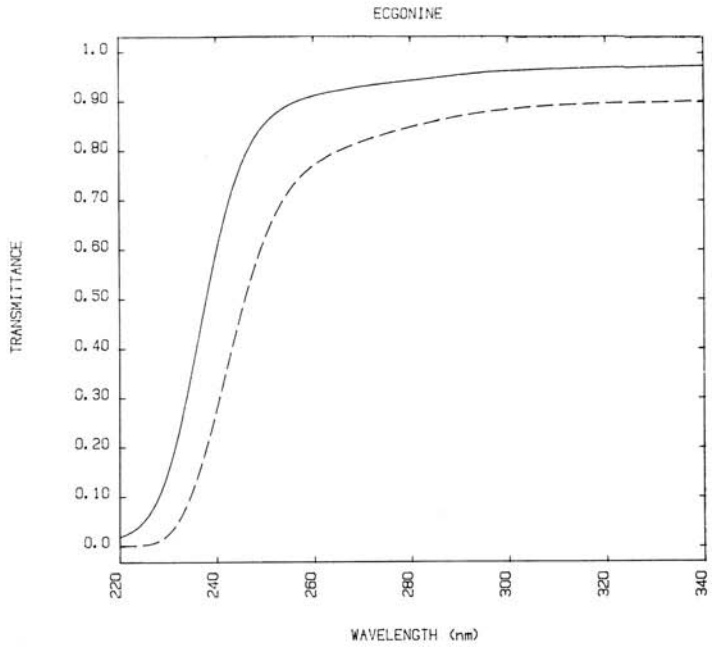
ECGONINE

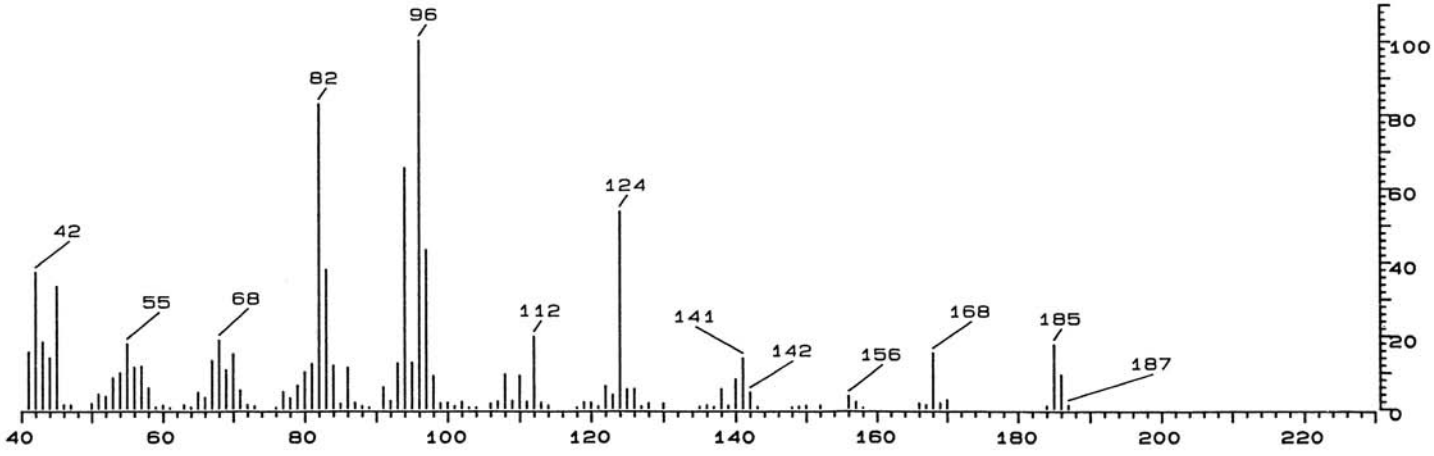
$C_9H_{15}NO_3$

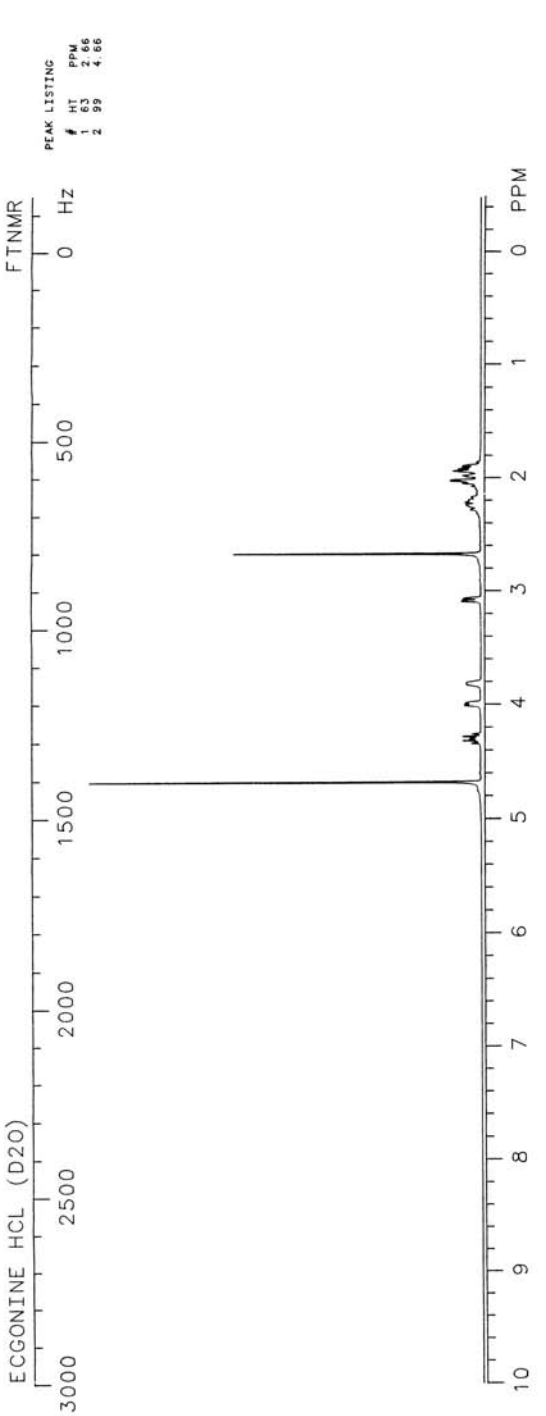
Molecular weight: 185.22 (185.11)
Synonyms: [1R-(exo,exo)]-3-Hydroxy-8-methyl-8-azabicyclo[3.2.1]-octane-2-carboxylic acid
Trade names:

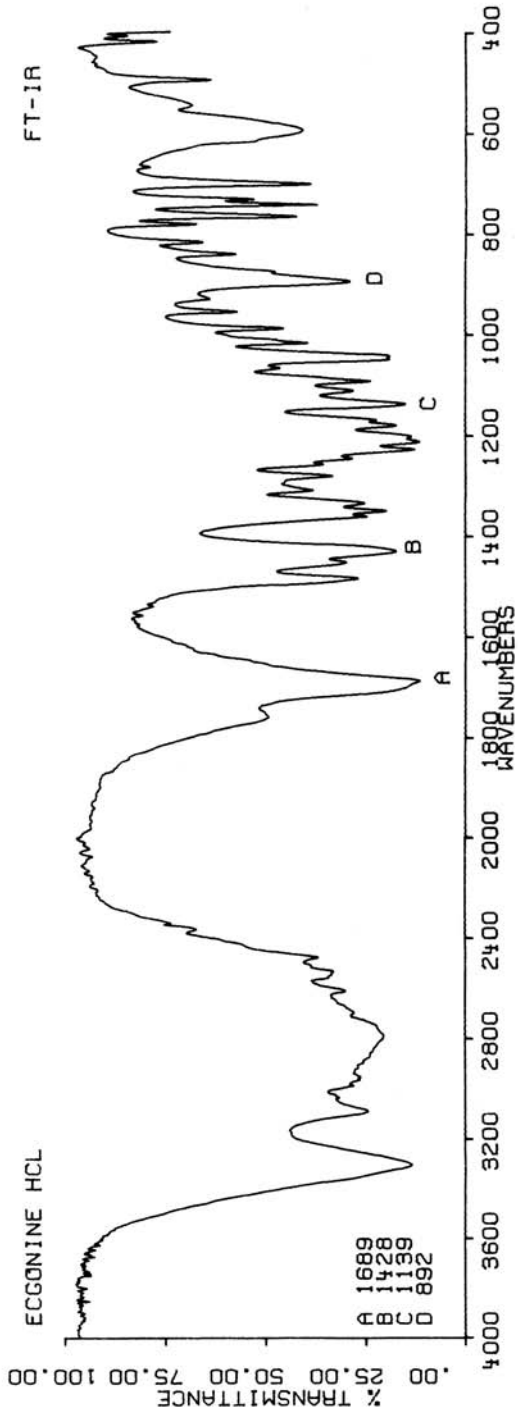
Use: Topical anesthetic
HPLC:
GC:








ECGONINE HCL (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 63 2.66
2 99 4.66
10
9
8
7
6
5
4
3
2
1
0 PPM


ECGONINE HCL
FT-IR
A 1689
B 1428
C 1139
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

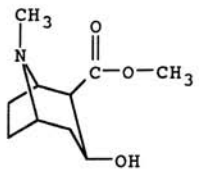
ECGONINE METHYL ESTER

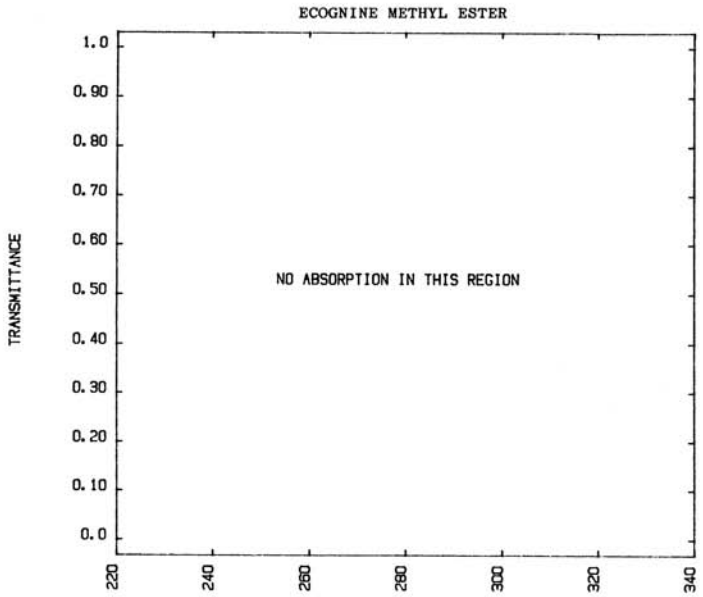
$C_{10}H_{17}NO_3$

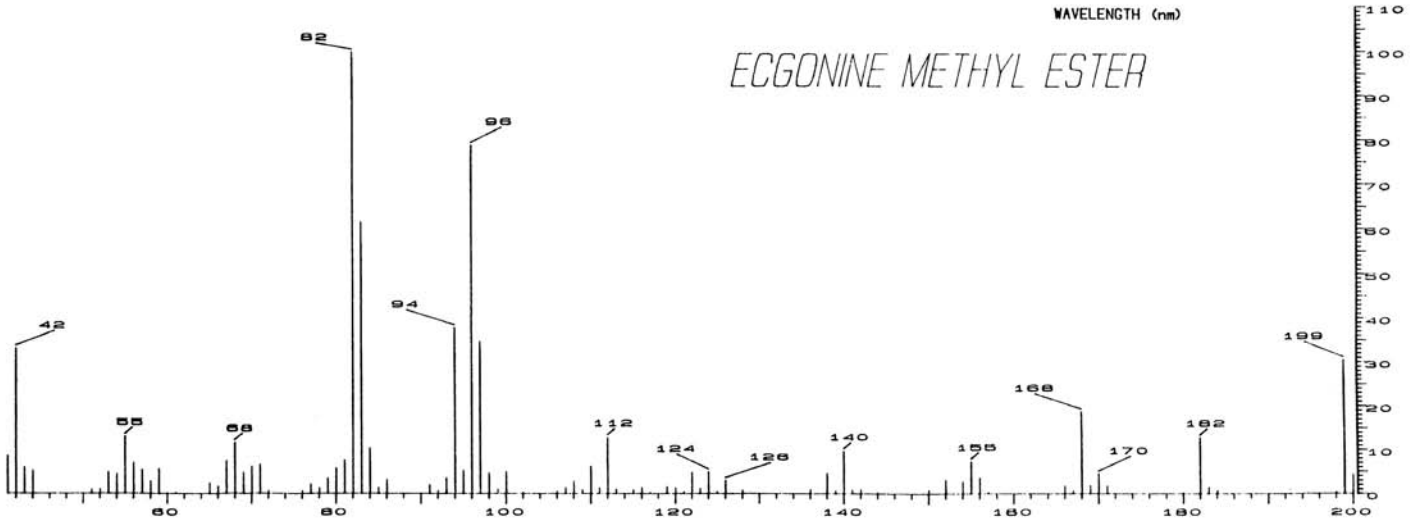
Molecular weight: 199.25 (199.12)

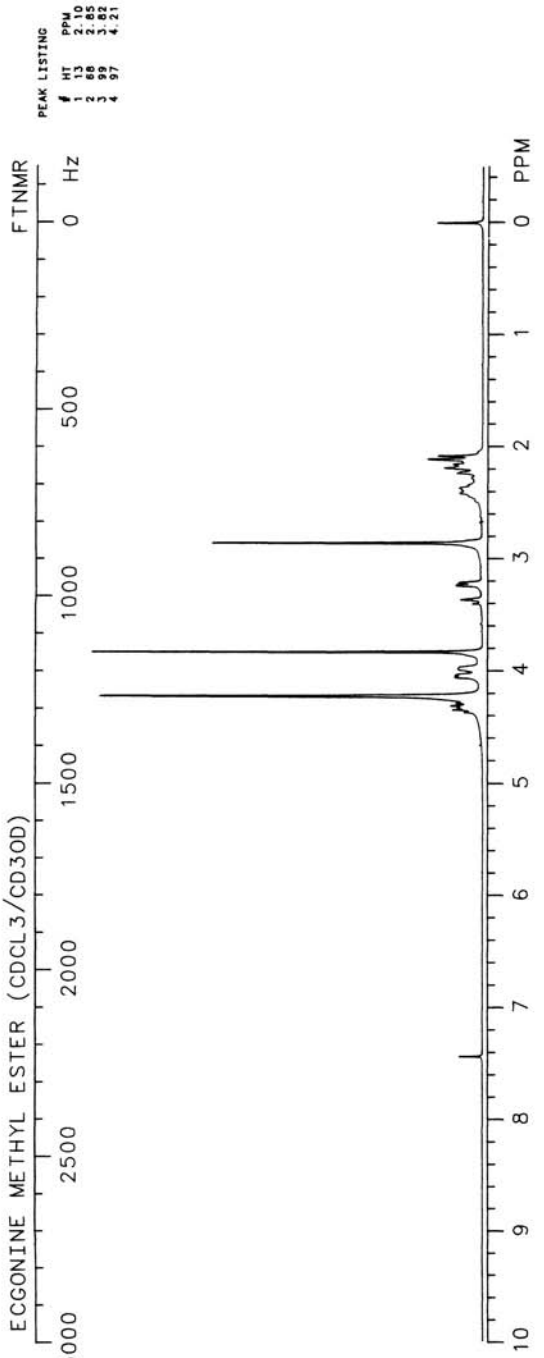
Synonyms: [1R-(exo,exo)]-3-Hydroxy-8-methyl-8-azabicyclo [3.2.1]-octane-2-carboxylic acid methyl ester
Trade names:

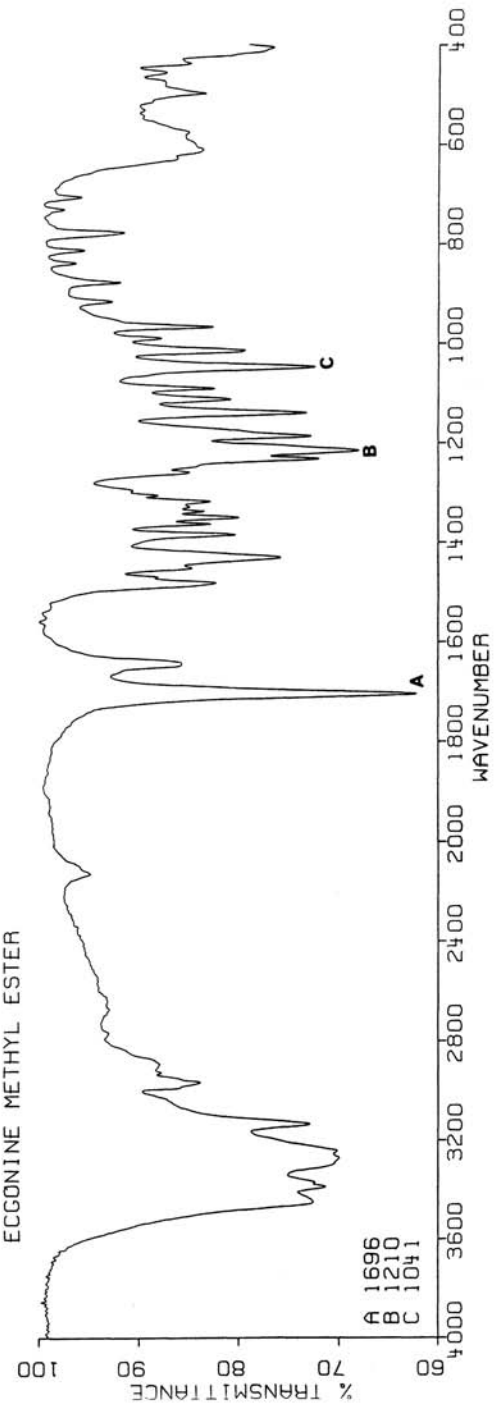
Use: Metabolite of cocaine
HPLC:
GC:








ECGONINE METHYL ESTER (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 13 2.10
2 68 2.85
3 99 3.82
4 97 4.21
10 9 8 7 6 5 4 3 2 1 0 PPM


ECGONINE METHYL ESTER
A 1696
B 1210
C 1041
A
B
C
100 90 80 70 60
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

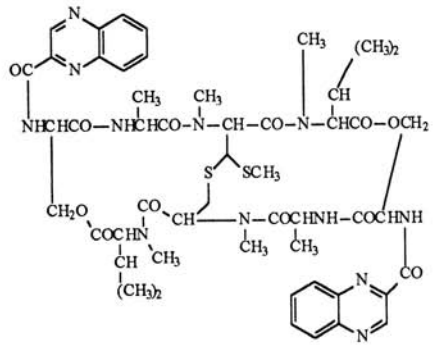
ECHINOMYCIN

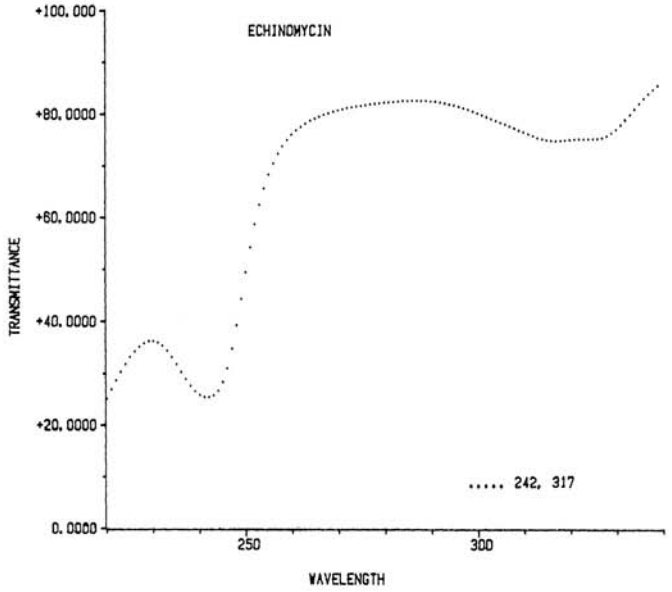
$C_{51}H_{64}N_{12}O_{12}S_2$

Molecular Weight: 1101.26 (1100.42)

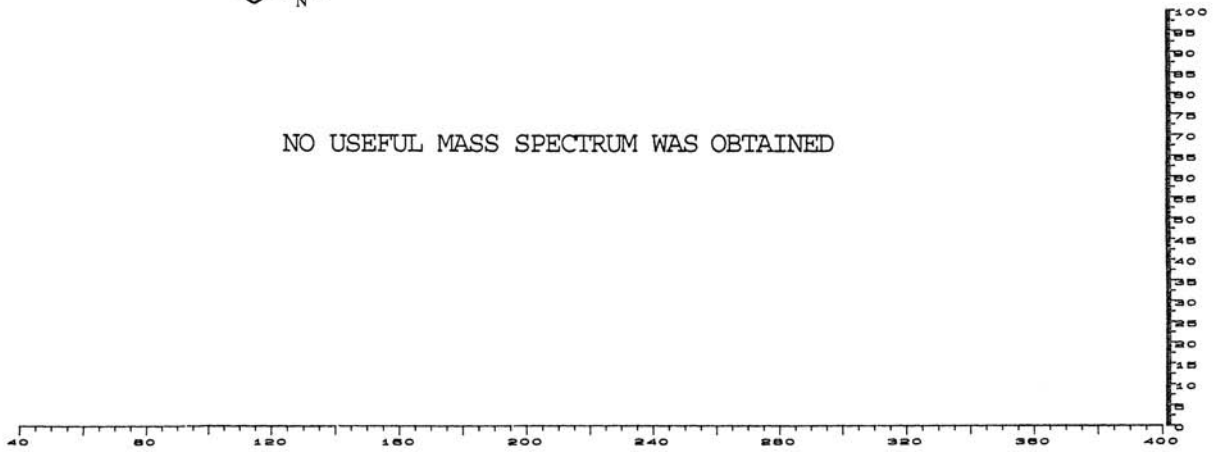
Synonyms: Quinomycin A
Trade Names:
Use: Antibiotic

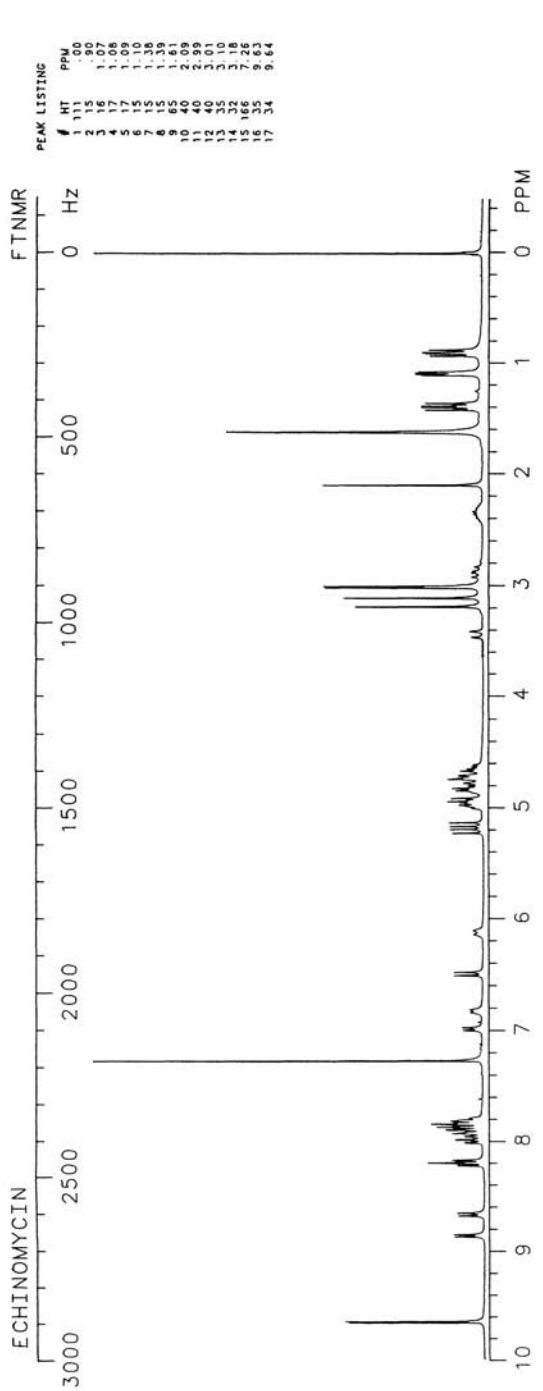
HPLC:
GC:

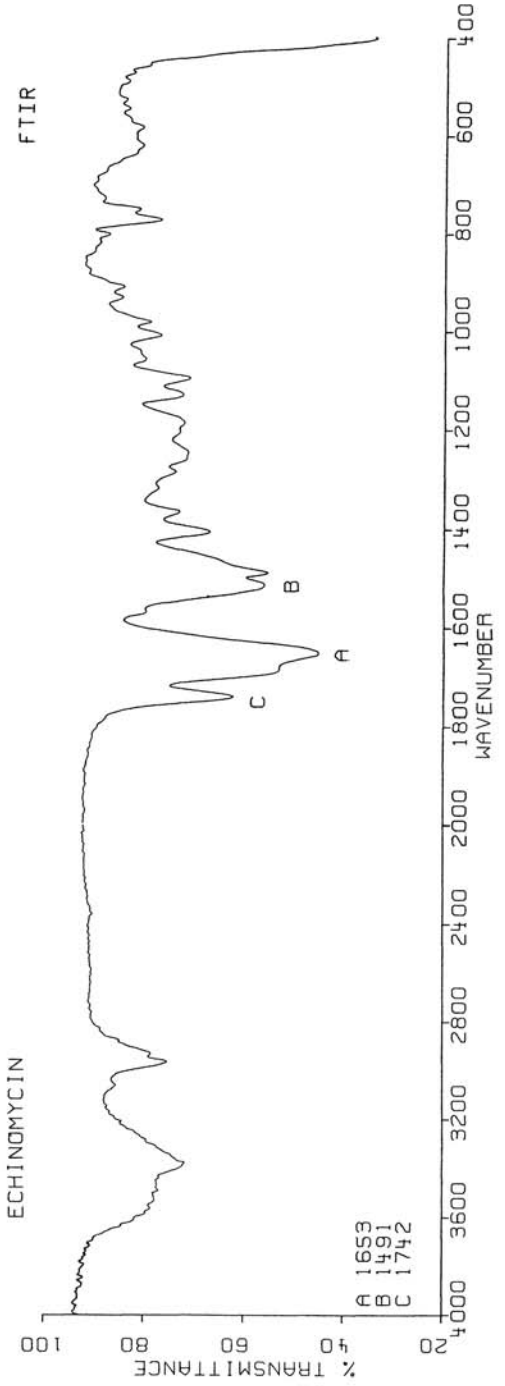




NO USEFUL MASS SPECTRUM WAS OBTAINED




ECHINOMYCIN
FTNMR
PEAK LISTING
HT PPM
1 111 .00
2 15 .80
3 16 1.07
4 17 1.08
5 17 1.09
6 15 1.10
7 15 1.38
8 15 1.39
9 65 1.61
10 40 2.09
11 40 2.09
12 40 3.01
13 35 3.10
14 32 3.18
15 166 7.26
16 35 9.63
17 34 9.64
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

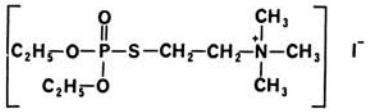

ECHINOMYCIN
FTIR
A 1653
B 1491
C 1742
A
B
C
100 80 60 40 20
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

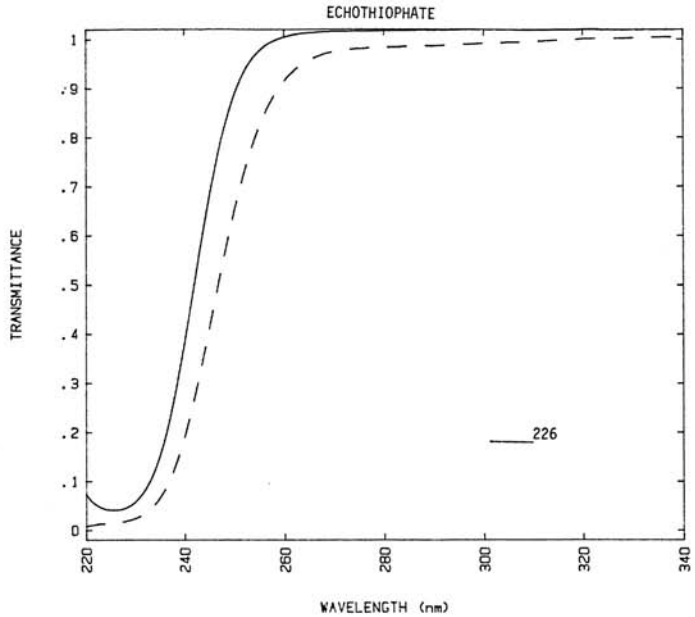
ECHOTHIOPHATE IODIDE

$C_9H_{23}INO_3PS$

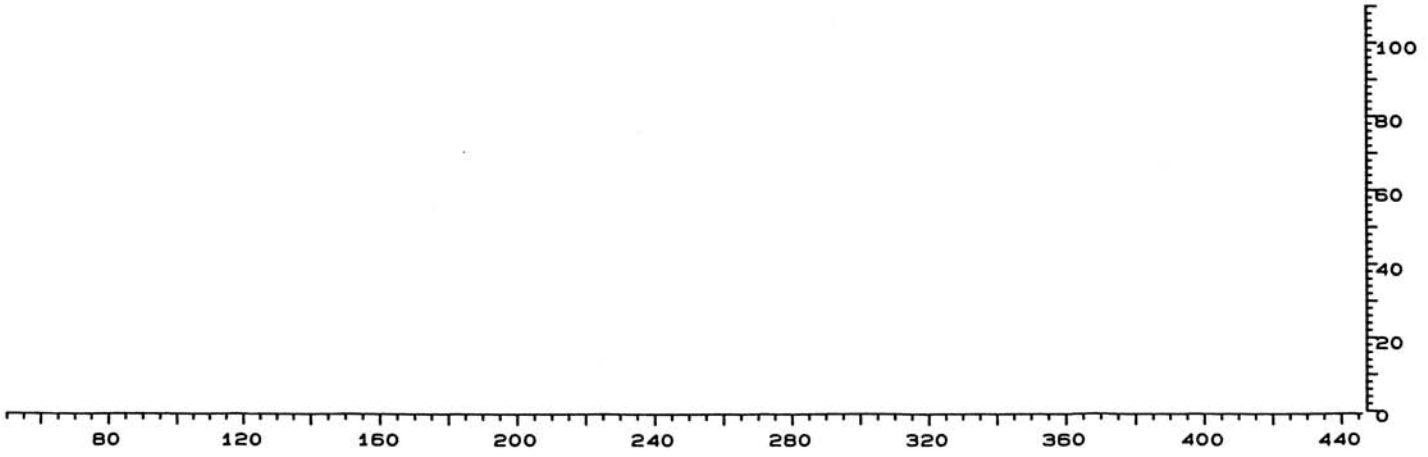
Molecular weight: 383.22 (383.06)
Synonyms: 2-[(Diethoxyphosphinyl)-thio]-N,N,N-trimethylethanaminium iodide; ecothipate iodide; ecostigmine iodide
Trade names: Echodide, Phospholine Iodide, Phospholinjodid

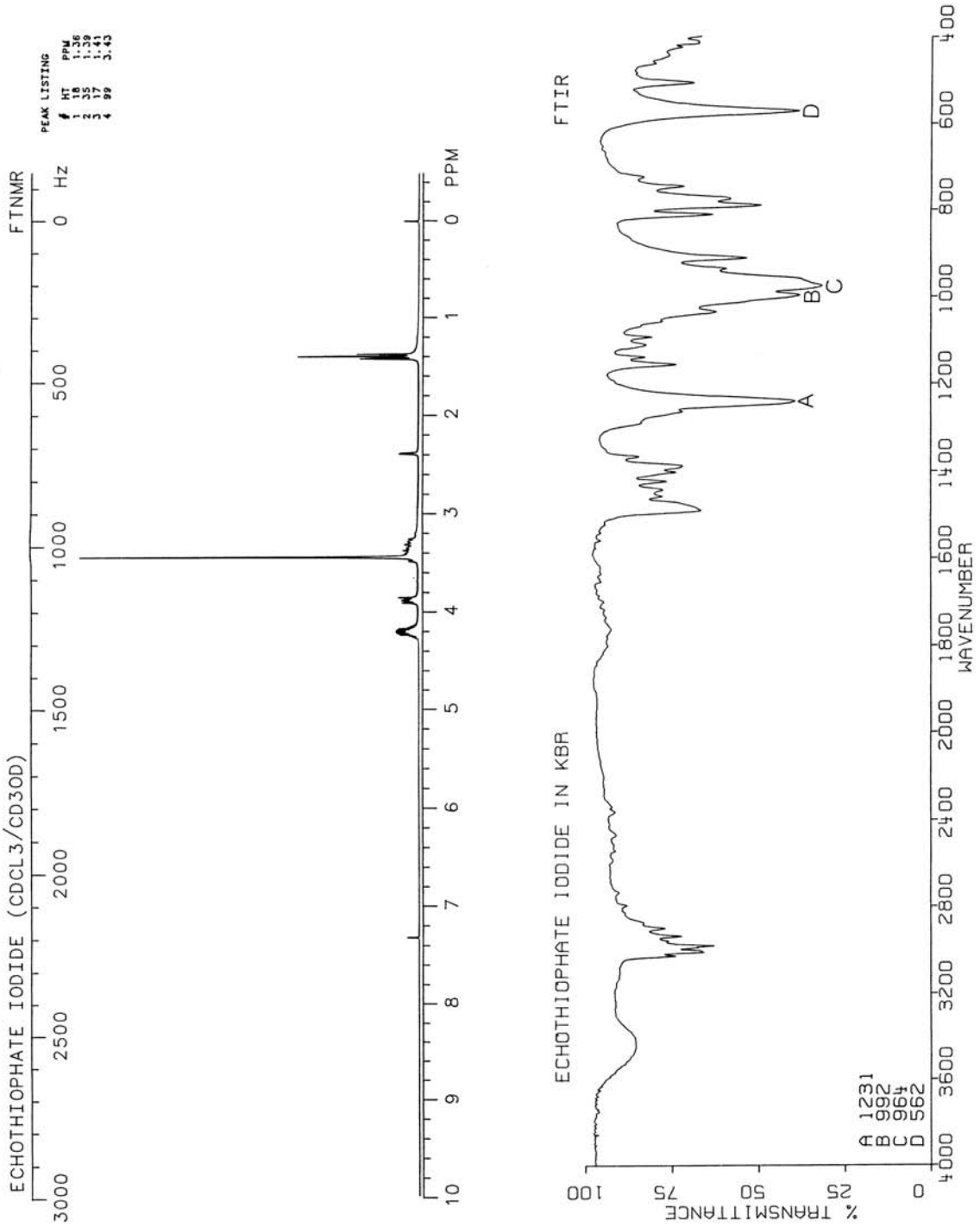
Use: Cholinergic
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

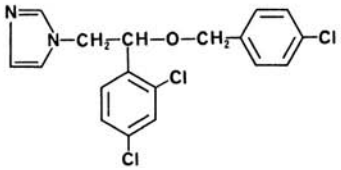


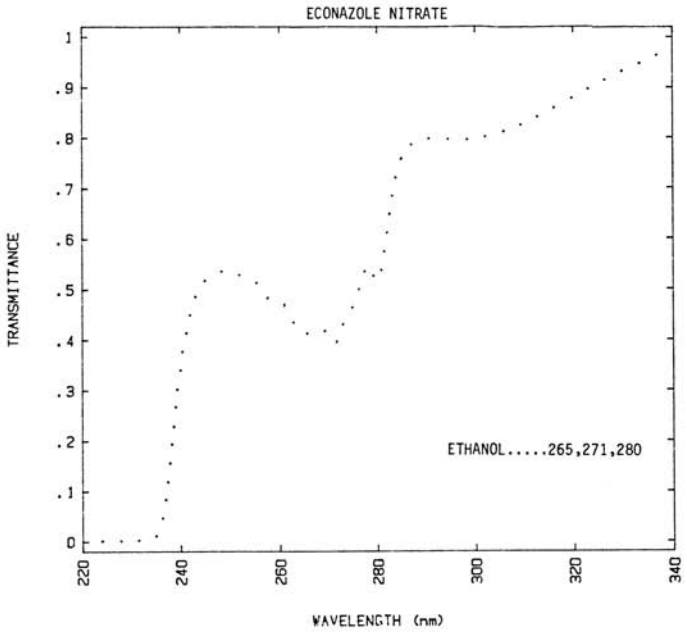

ECHOTHIOPHATE IODIDE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 18 1.36
2 35 1.39
3 17 1.41
4 99 3.43
10 9 8 7 6 5 4 3 2 1 0 PPM
ECHOTHIOPHATE IODIDE IN KBR
FTIR
A 1231
B 992
C 964
D 562
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

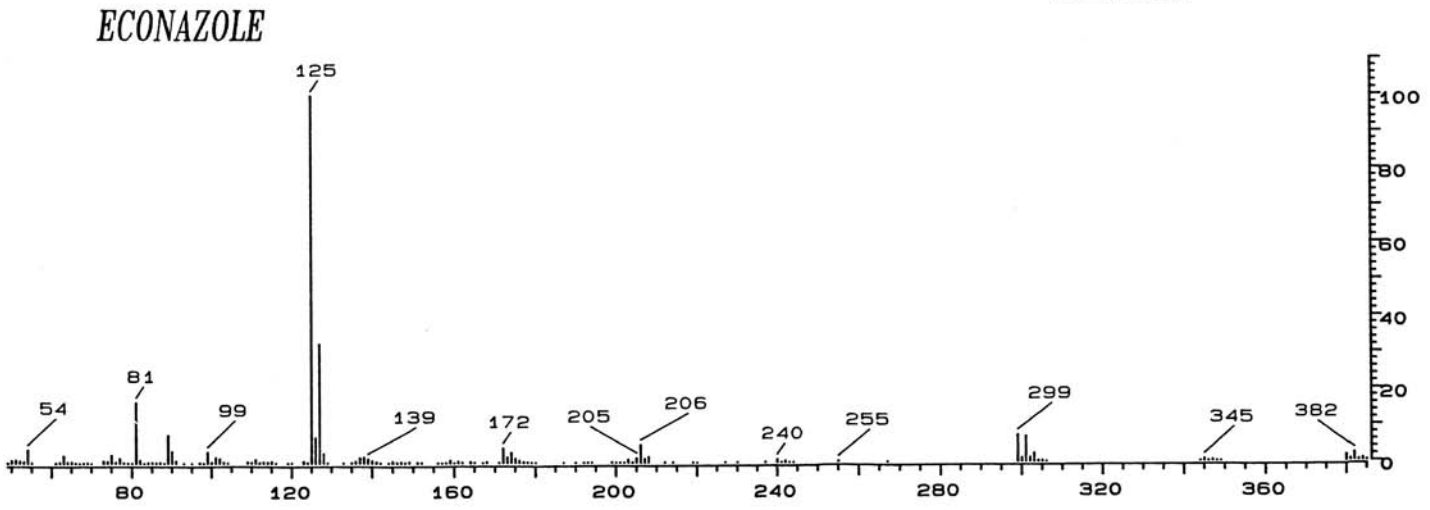
ECONAZOLE NITRATE

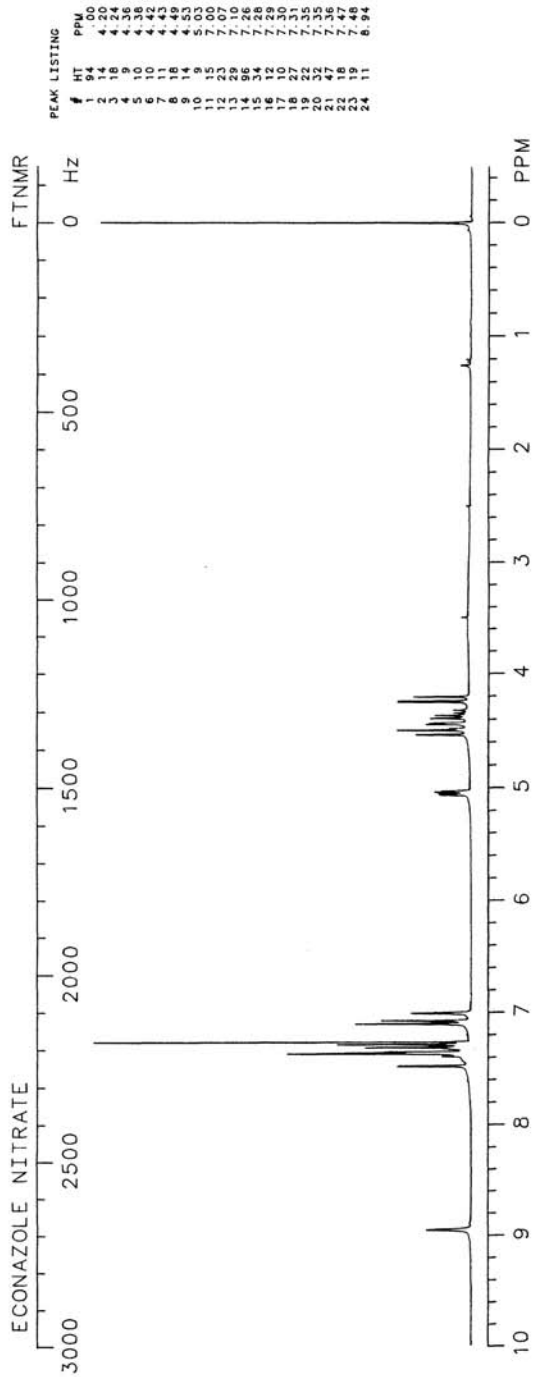
$C_{18}H_{15}Cl_3N_2O$

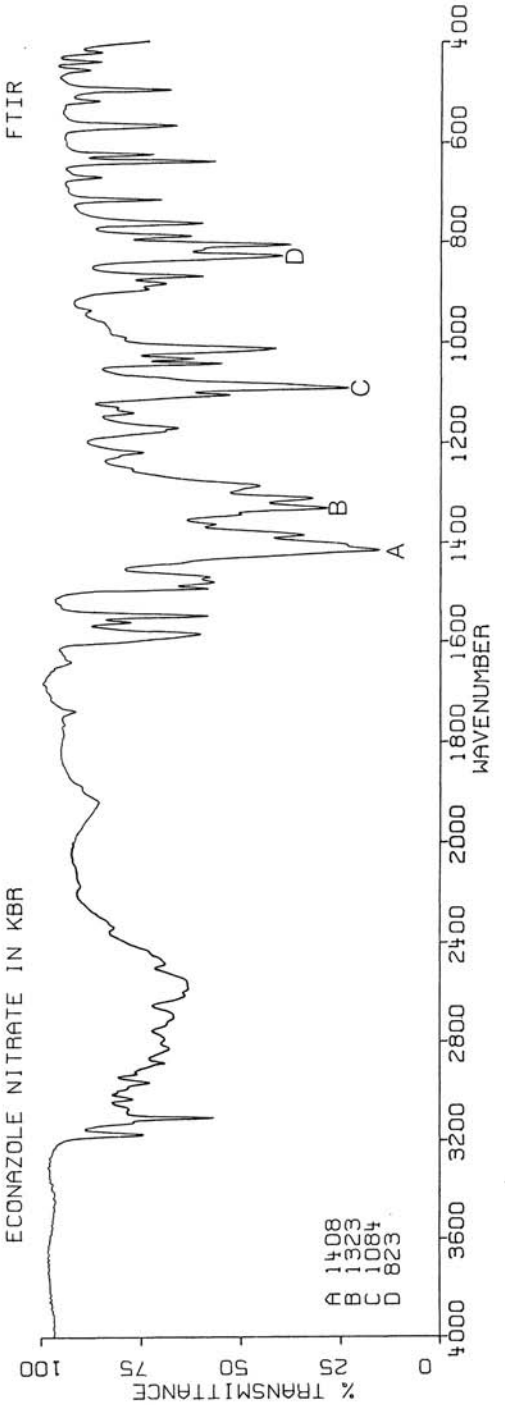
Molecular weight: 381.68 (380.03)
Synonyms: 1-[2-[(4-Chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-1H-imidazole
Trade names: Ecostatin, Epi-Pevaryl, Econacort, Gyno-Pevaryl, Ifenec, Palavale, Pevaryl, Spectazole
Use: Antifungal
HPLC:
GC: 2910; 280°C








ECONAZOLE NITRATE
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 94 4.00
2 14 4.20
3 18 4.24
4 9 4.36
5 10 4.38
6 10 4.42
7 11 4.43
8 16 4.49
9 14 4.53
10 9 5.03
11 15 7.00
12 23 7.07
13 29 7.10
14 96 7.26
15 34 7.28
16 12 7.29
17 10 7.30
18 27 7.31
19 22 7.35
20 32 7.35
21 47 7.36
22 16 7.47
23 19 7.48
24 11 8.94

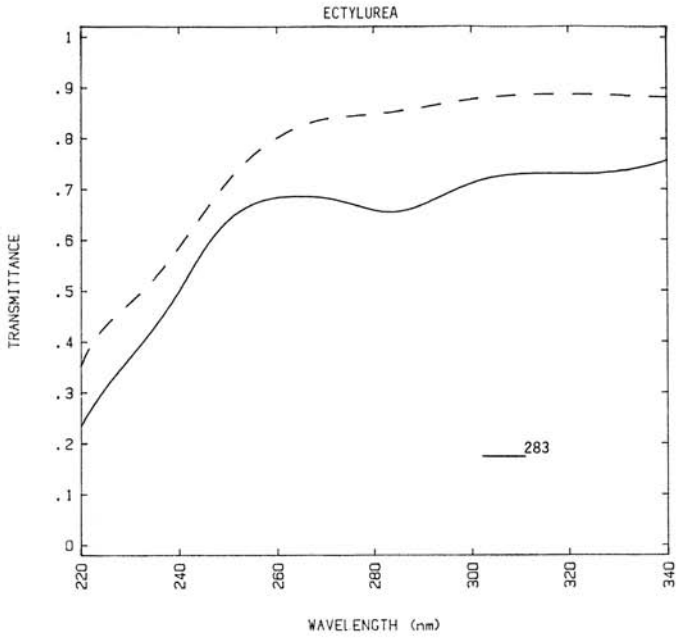

ECONAZOLE NITRATE IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1408
B 1323
C 1084
D 823
A
B
C
D

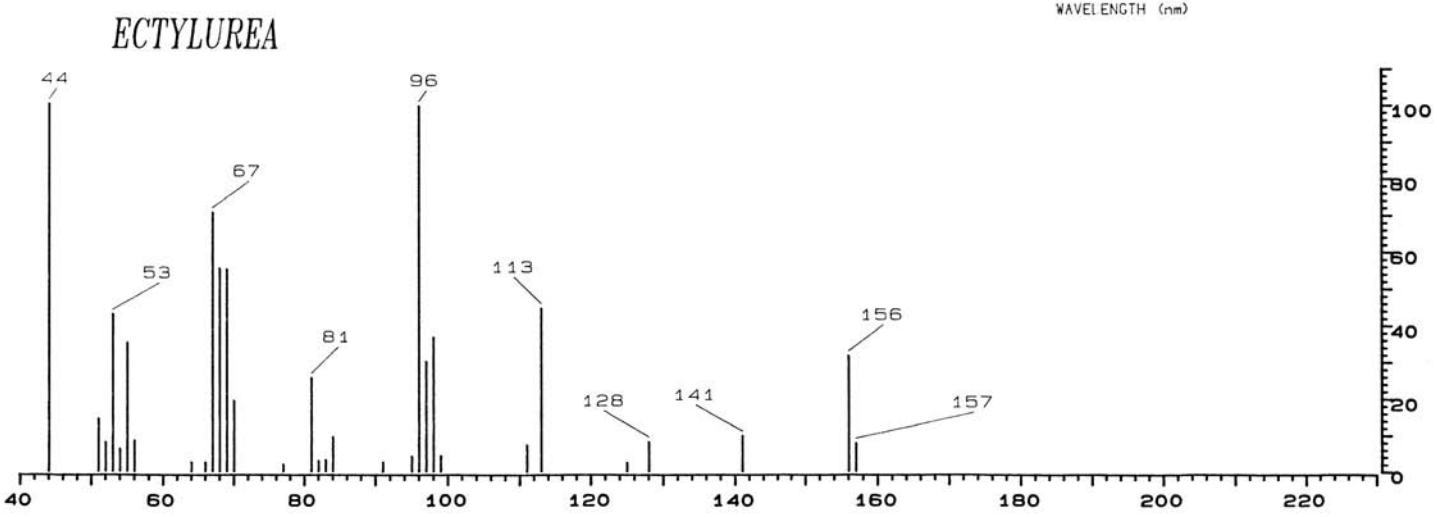
ECTYLUREA

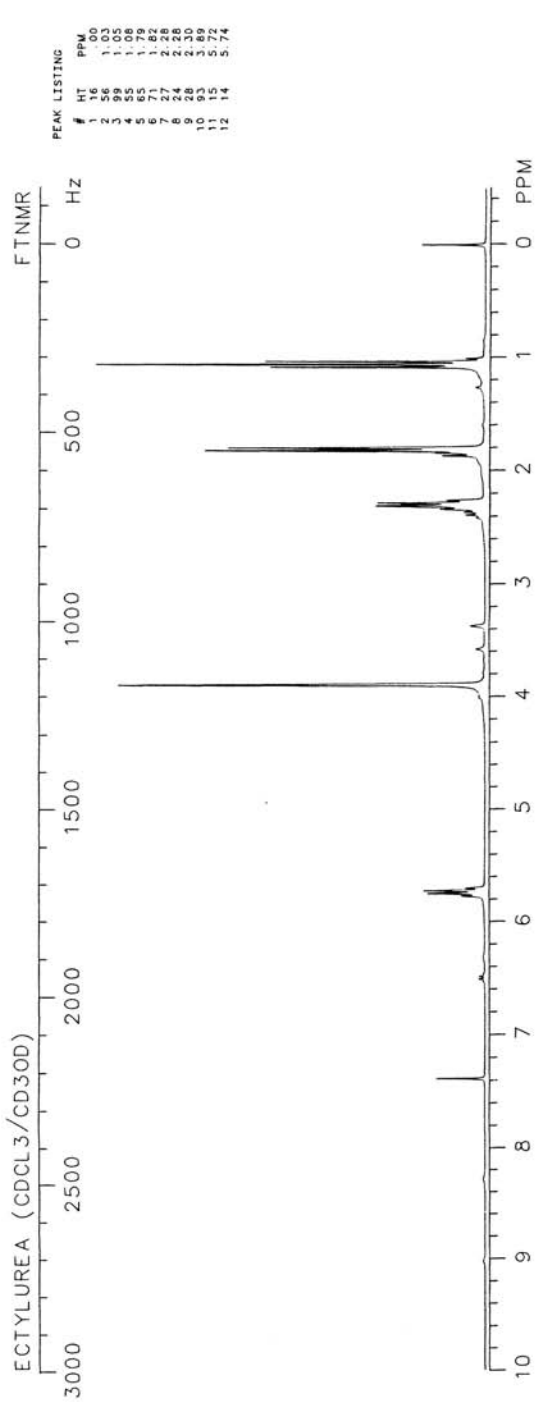
$C_7H_{12}N_2O_2$

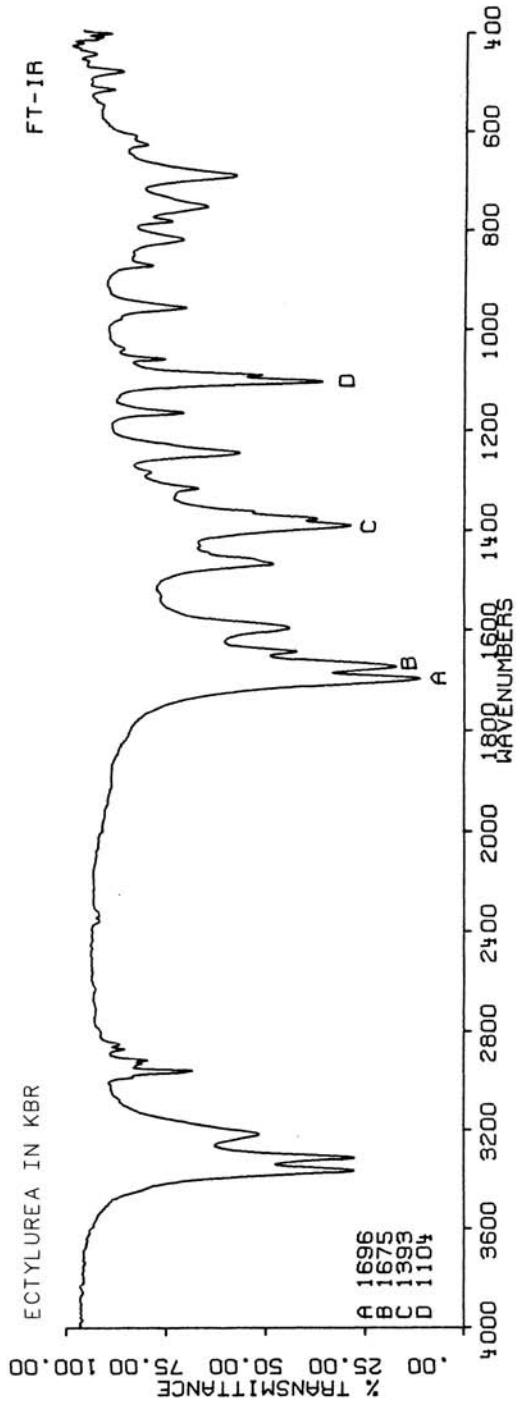
Molecular weight: 156.18 (156.09)
Synonyms: (Z)-N-(Aminocarbonyl)-2-ethyl-2-butenamide;
(α-ethylcrotonyl)urea
Trade names: Astyn, Ektyl, Levanil, Nostyn, Cronil, Neuriprocin, Pacetyn

Use: Sedative
HPLC:
GC:






ECTYLUREA (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 56 1.00
2 56 1.03
3 99 1.05
4 55 1.08
5 65 1.79
6 71 1.82
7 27 2.28
8 24 2.28
9 28 2.30
10 93 3.89
11 15 5.72
12 14 5.74

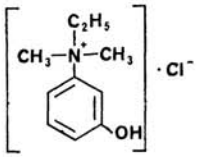

ECTYLUREA IN KBR
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1696
B 1675
C 1393
D 1104
A
B
C
D

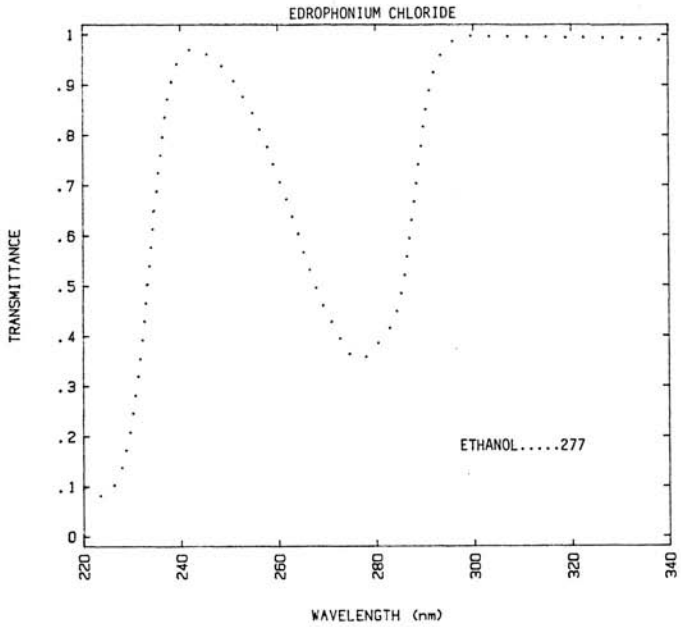
EDROPHONIUM CHLORIDE

$C_{10}H_{16}ClNO$

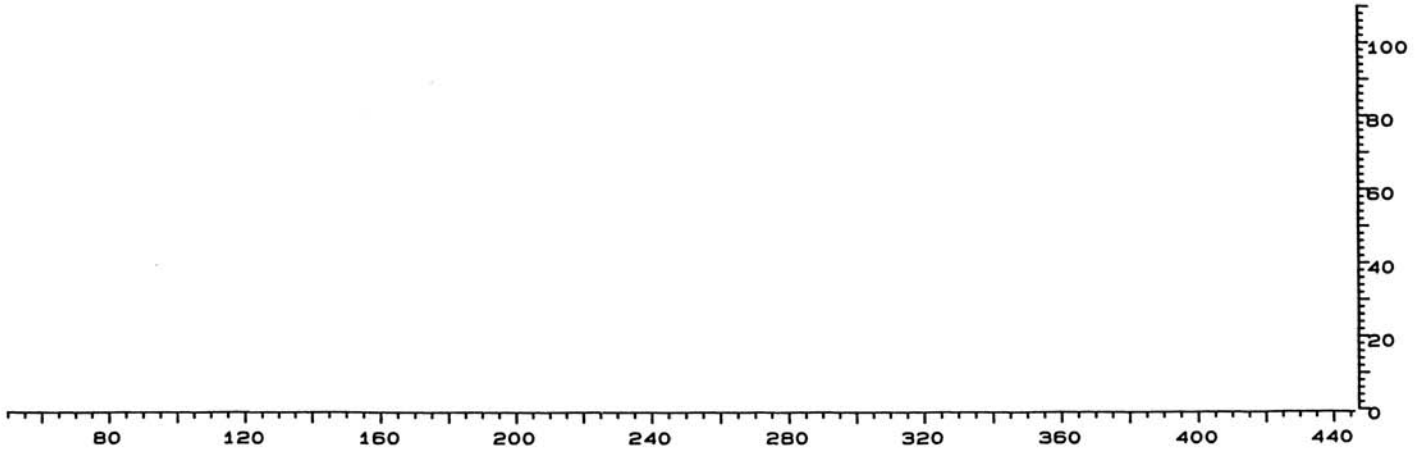
Molecular weight: 201.69 (201.09)
Synonyms: N-Ethyl-3-hydroxy-N,N-dimethylbenzenaminium chloride; edrophone chloride
Trade names: Antirex, Tensilon

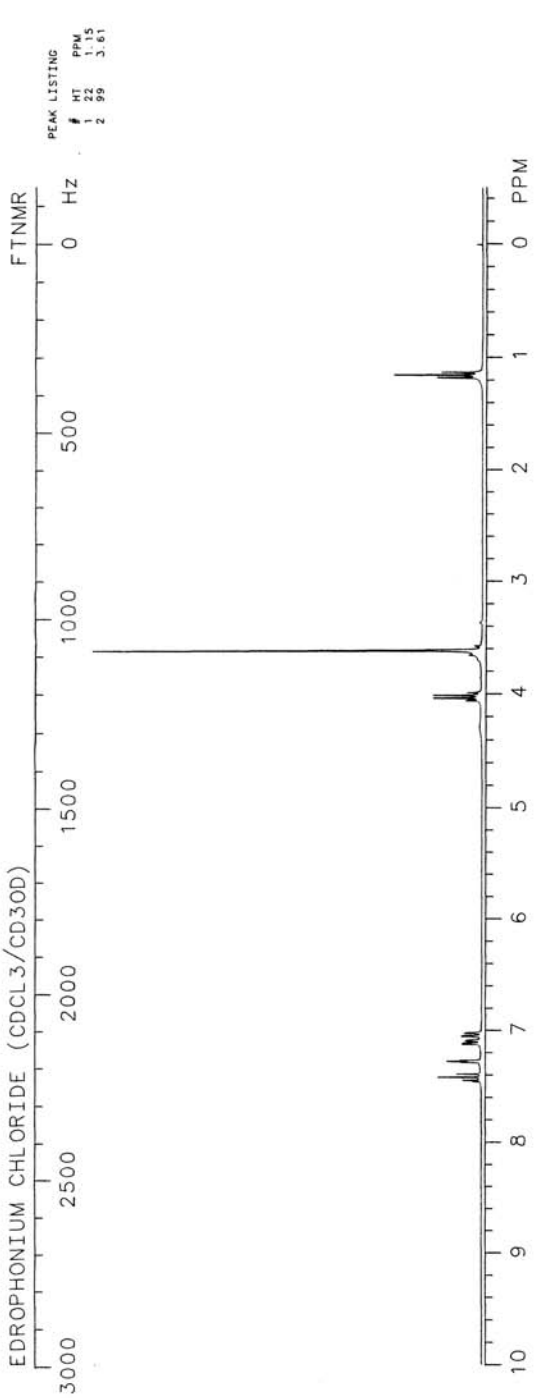
Use: Cholinergic, muscle stimulant
HPLC:
GC: 1456; 200°C

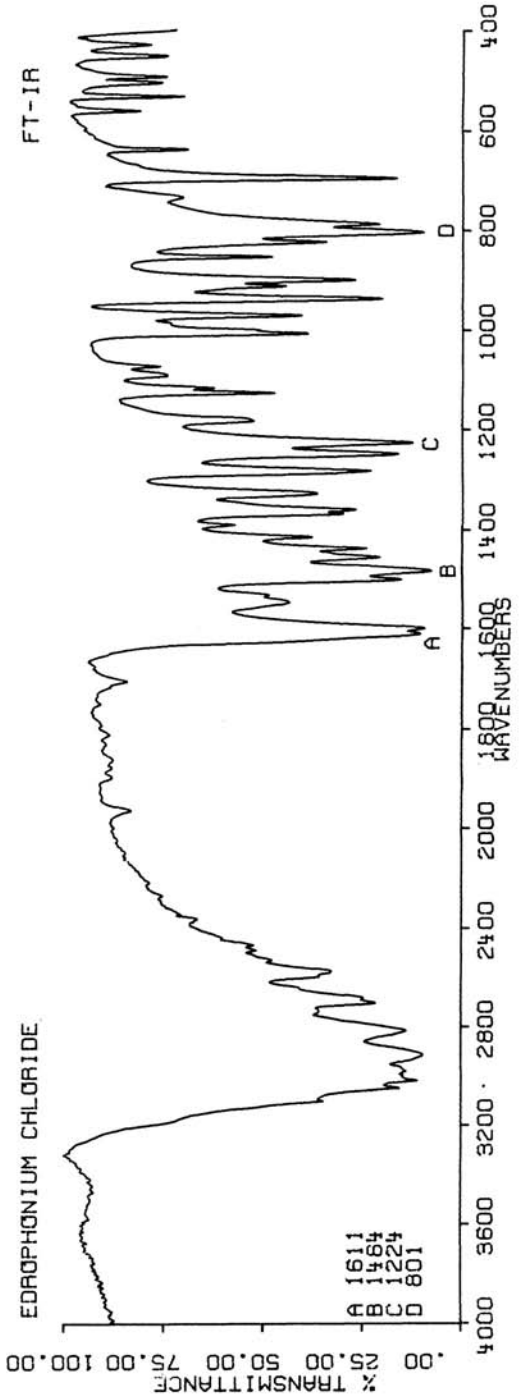




NO USEFUL MASS SPECTRUM WAS OBTAINED



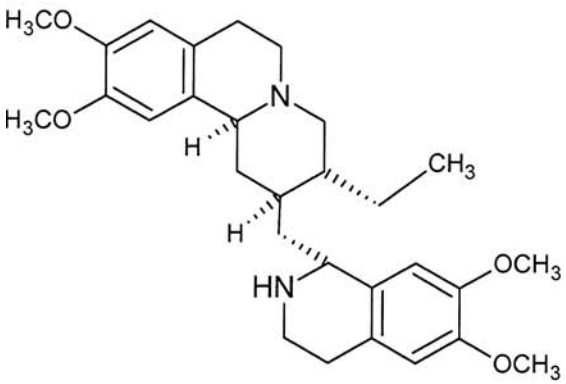

EDROPHONIUM CHLORIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 22 1.15
2 99 3.61
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

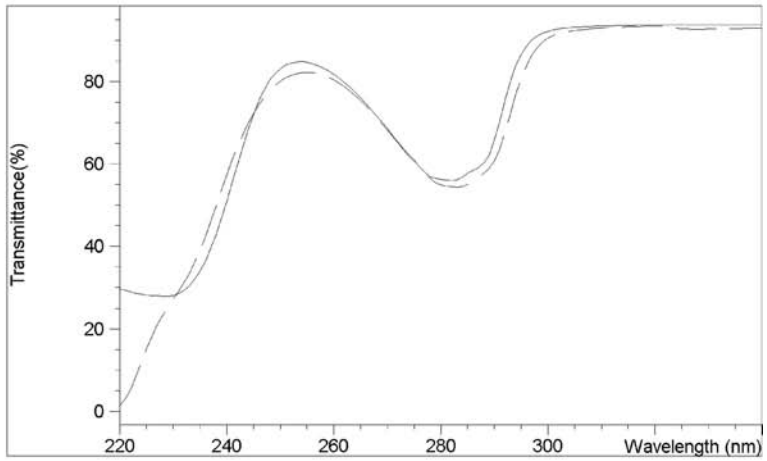

FT-IR
EDROPHONIUM CHLORIDE
A 1611
B 1464
C 1224
D 801
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

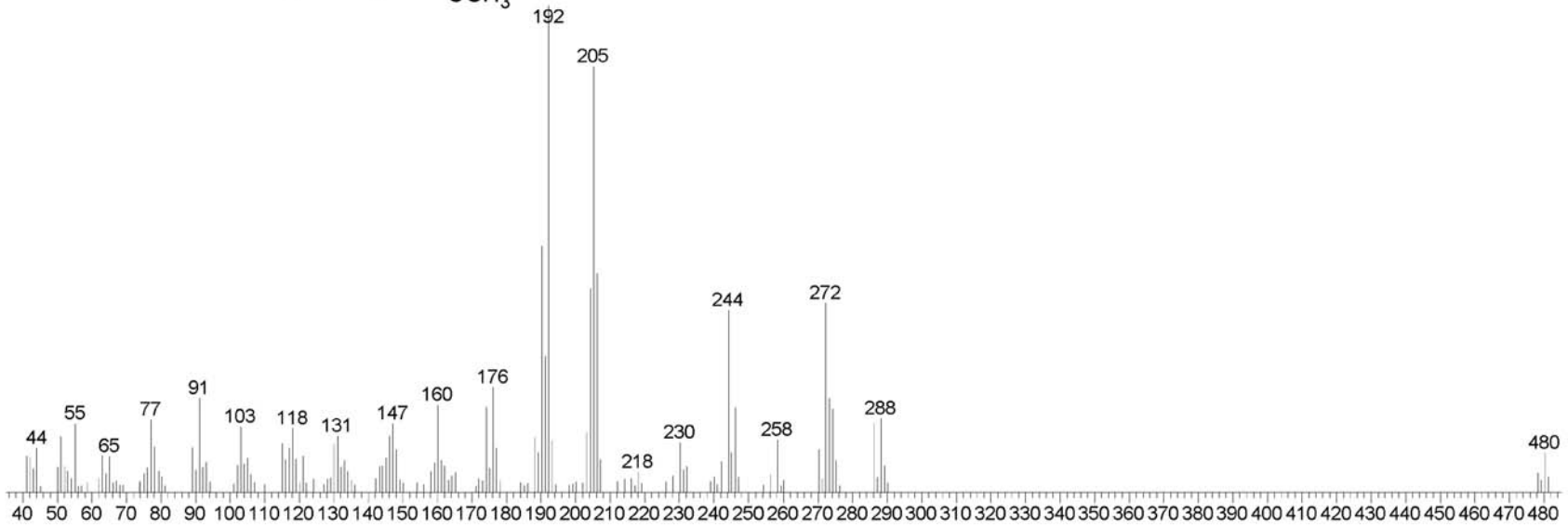
EMETINE

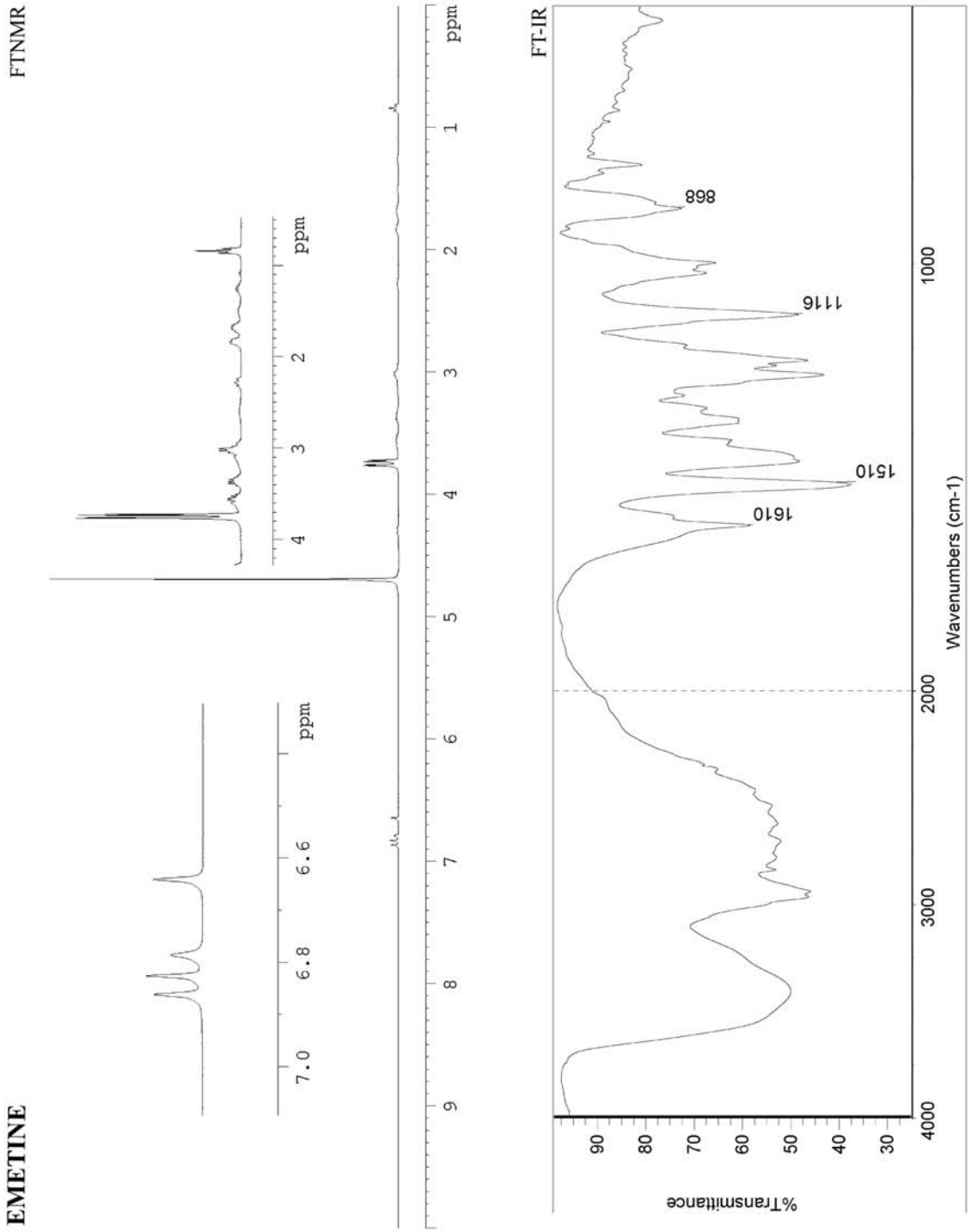
C29H40N2O4

Molecular Weight: 480.64 (480.3)
Synonyms: 6', 7',10,11-Tetramethoxyemetan, cephaeline methyl ether
Trade names: Arsemetine
Use: Treatment of amebiasis








EMETINE
FTNMR
ppm
FT-IR
868
1116
1510
1610
%Transmittance
Wavenumbers (cm-1)

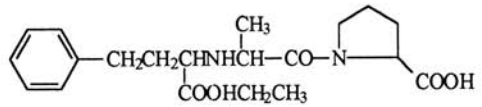
ENALAPRIL MALEATE

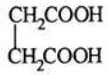
$C_{20}H_{28}N_2O_5 \cdot C_4H_4O_4$

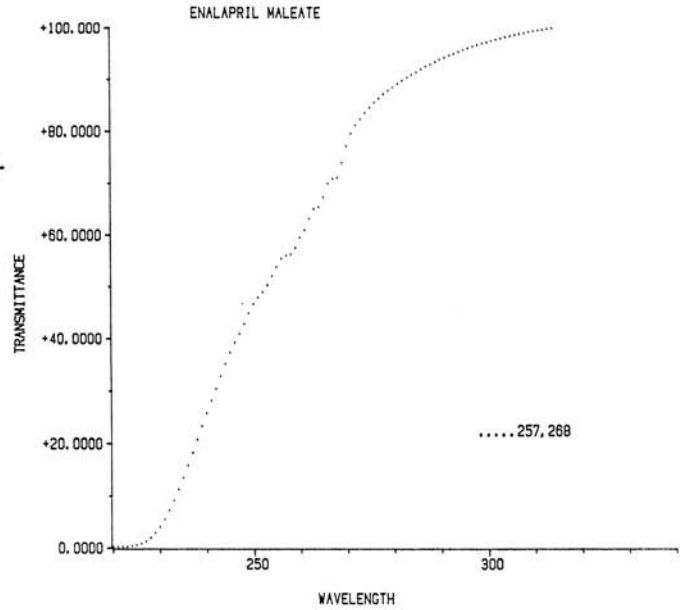
Molecular Weight: 492.53 (492.21)

Synonyms: (S)-1-[N-[1-(Ethoxycarbonyl)-3-phenylpropyl]-L-alanyl]-L-proline, (Z)-2-butenedionate salt (1:1)
Trade Names: Vaseretic, Vasotec
Use: Enzyme inhibitor

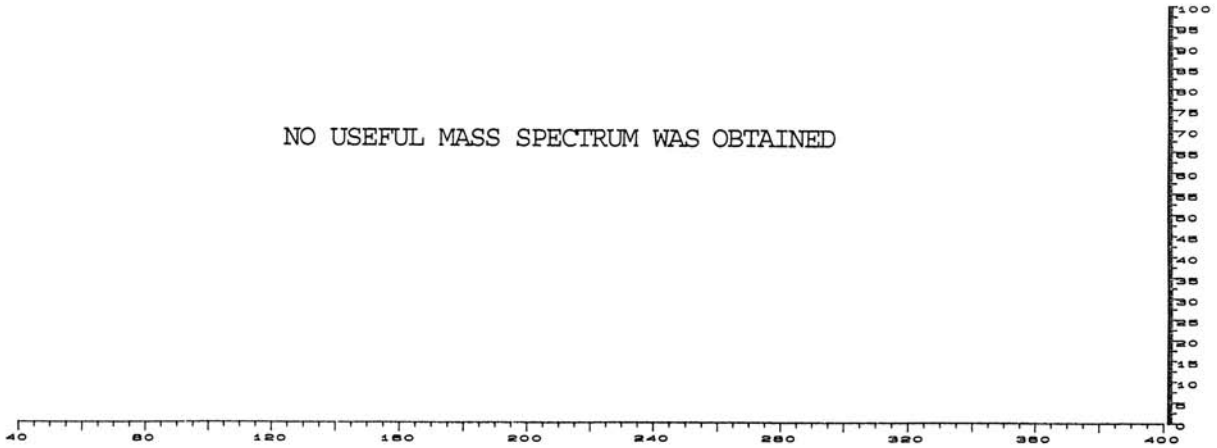
HPLC:
GC:

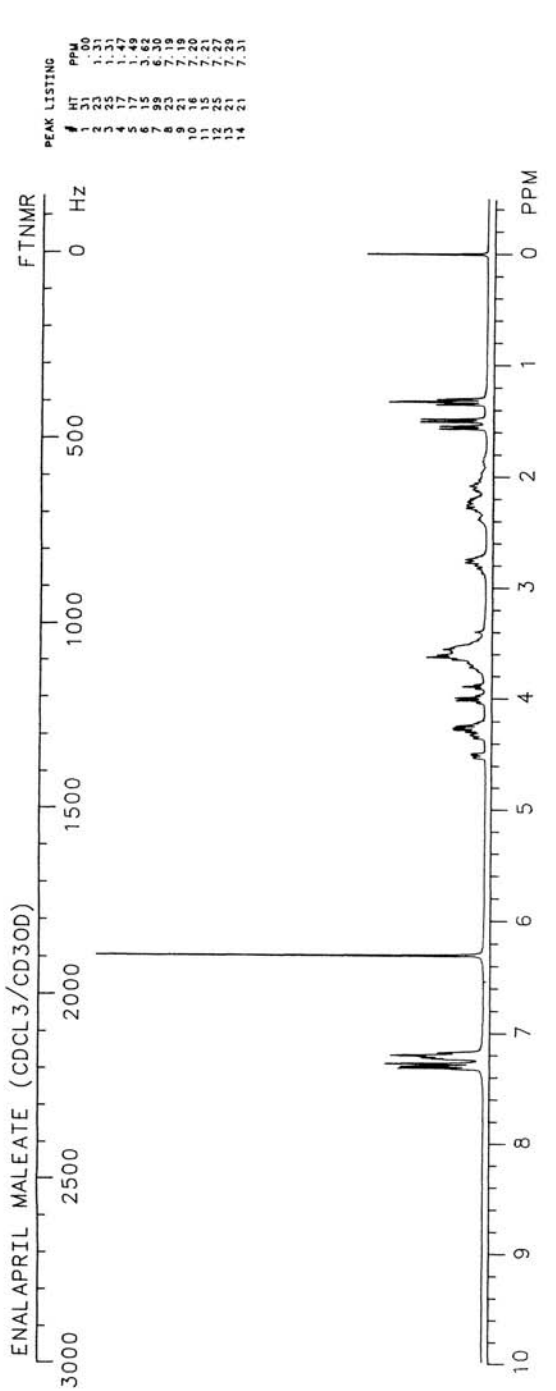


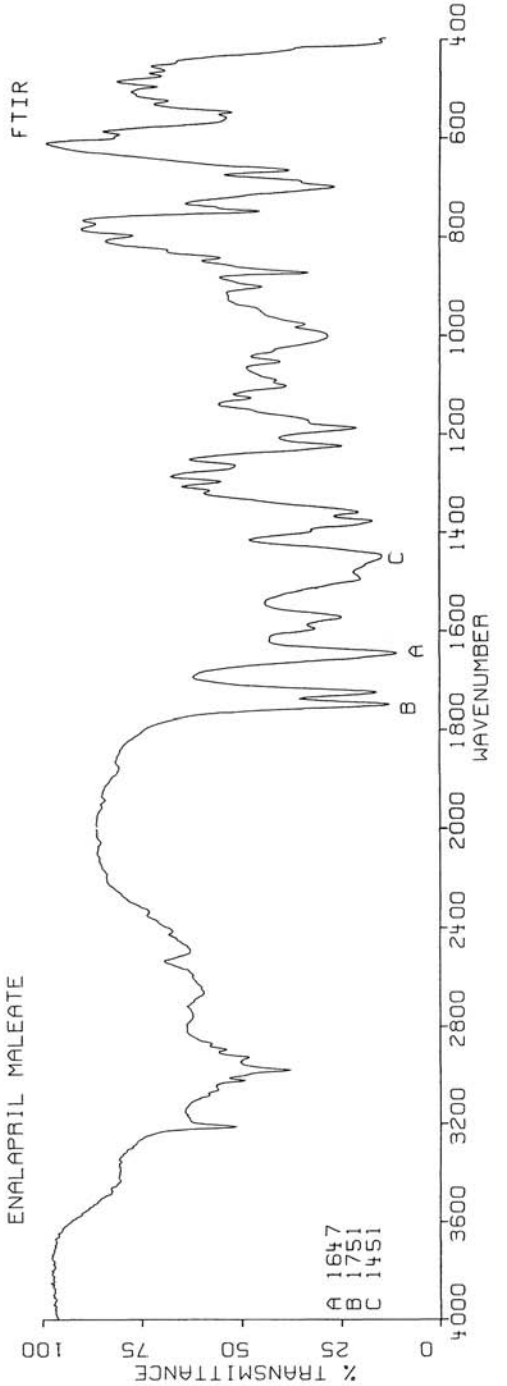




NO USEFUL MASS SPECTRUM WAS OBTAINED



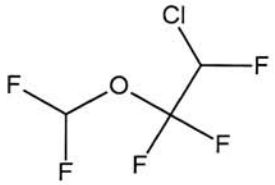

ENALAPRIL MALEATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 31 1.00
2 23 1.31
3 25 1.31
4 17 1.47
5 17 1.49
6 15 3.62
7 99 6.50
8 23 7.19
9 21 7.20
10 16 7.21
11 15 7.27
12 25 7.29
13 21 7.31
14 21 7.31

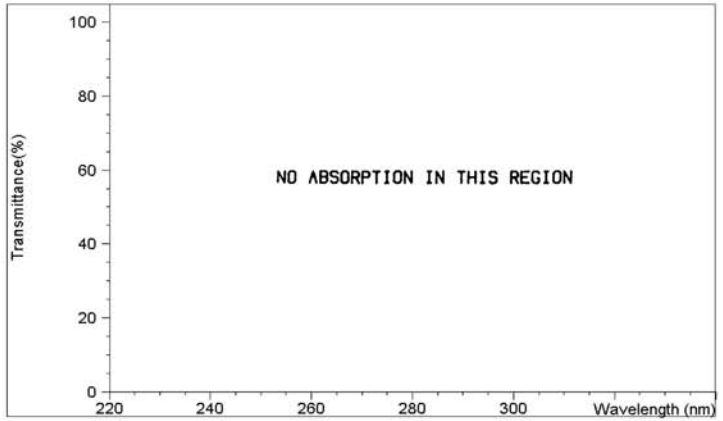

ENALAPRIL MALEATE
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1647
B 1751
C 1451
A
B
C

ENFLURANE

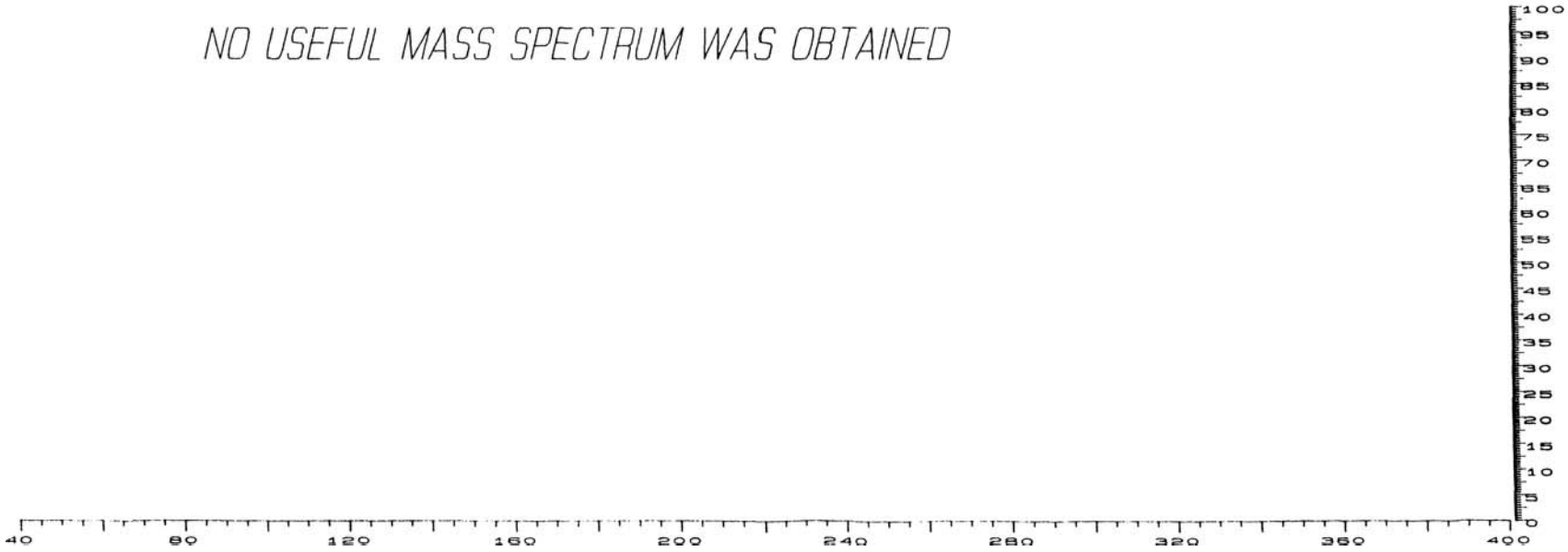
$C_3H_2ClF_5O$

Molecular Weight: 184.49 (183.97)
Synonyms: 2-Chloro-1-(difluoromethoxy)-1,1,2-trifluoroethane, 2-chloro-1,1,2-trifluoroethyl difluoromethyl ether, methylflurether
Trade names: Alyrane, Efane, Ethrane
Use: Anesthetic (inhalation)





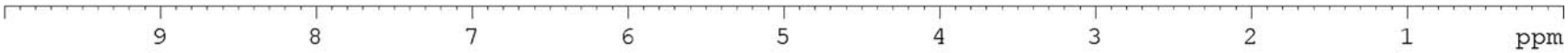
NO USEFUL MASS SPECTRUM WAS OBTAINED



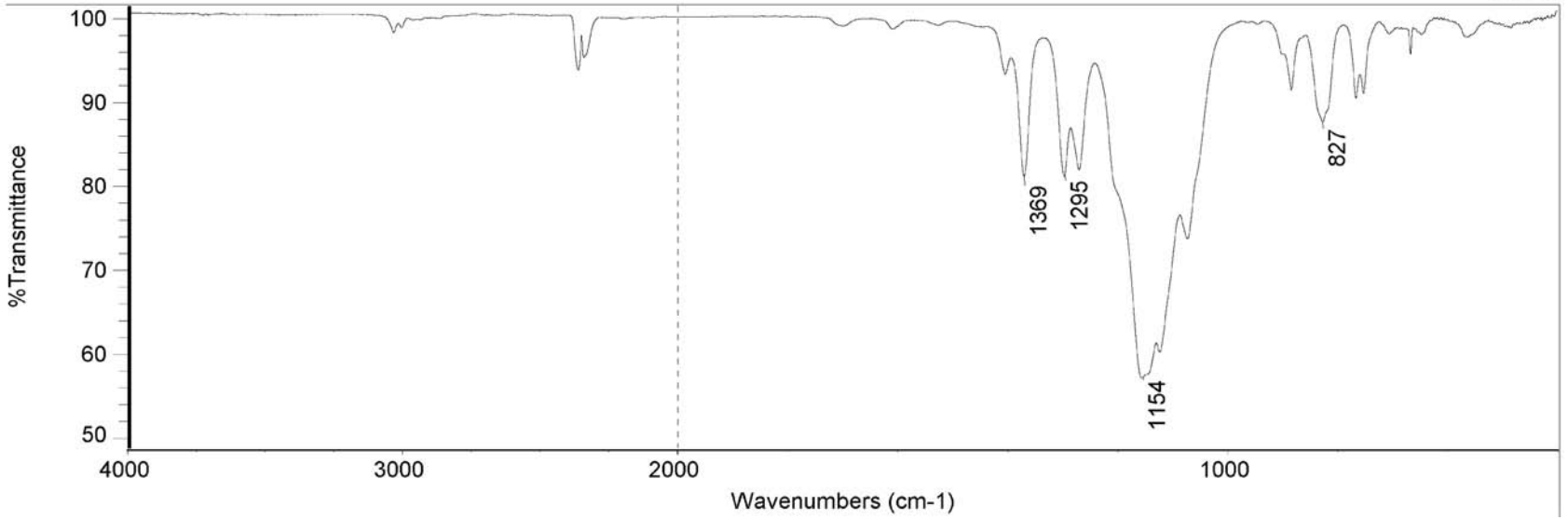
ENFLURANE

FTNMR

NO PROTON SPECTRUM



FT-IR



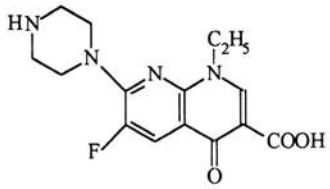
ENOXACIN

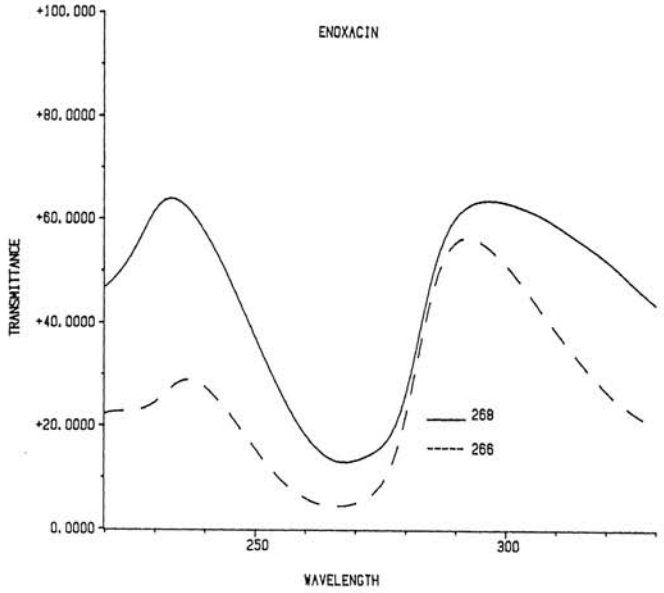
$C_{15}H_{17}FN_4O_3$

Molecular Weight: 320.32 (320.13)

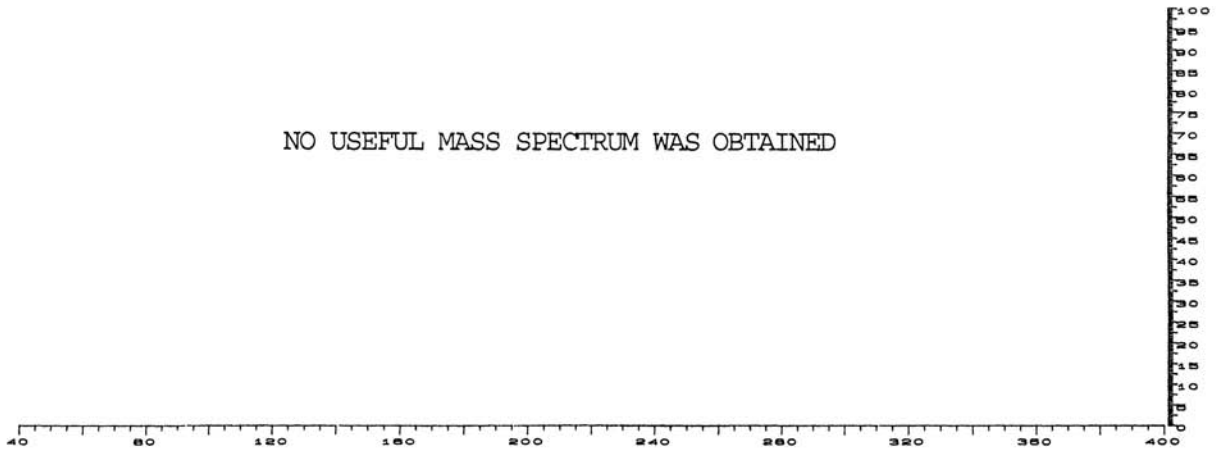
Synonyms: 1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-1,8-naphthyridine-3-carboxylic acid
Trade Names: Bactidan, Comprecin, Enoram, Enoxen, Flumark, Gyramid, Lentor, Penetrex
Use: Antibacterial

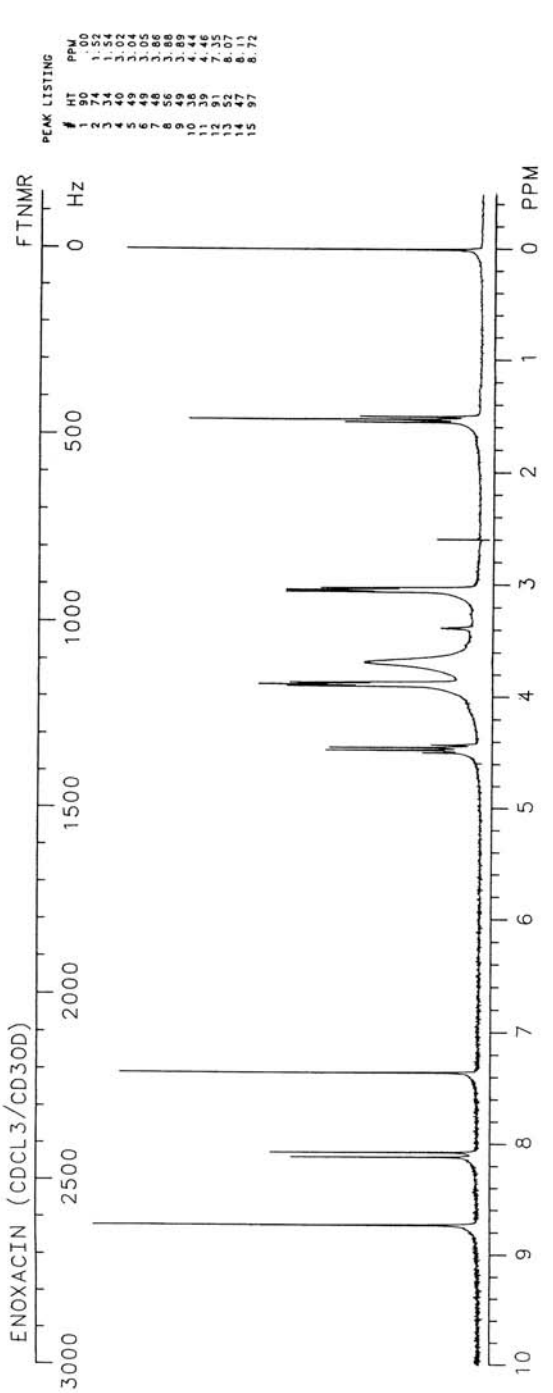
HPLC:
GC:

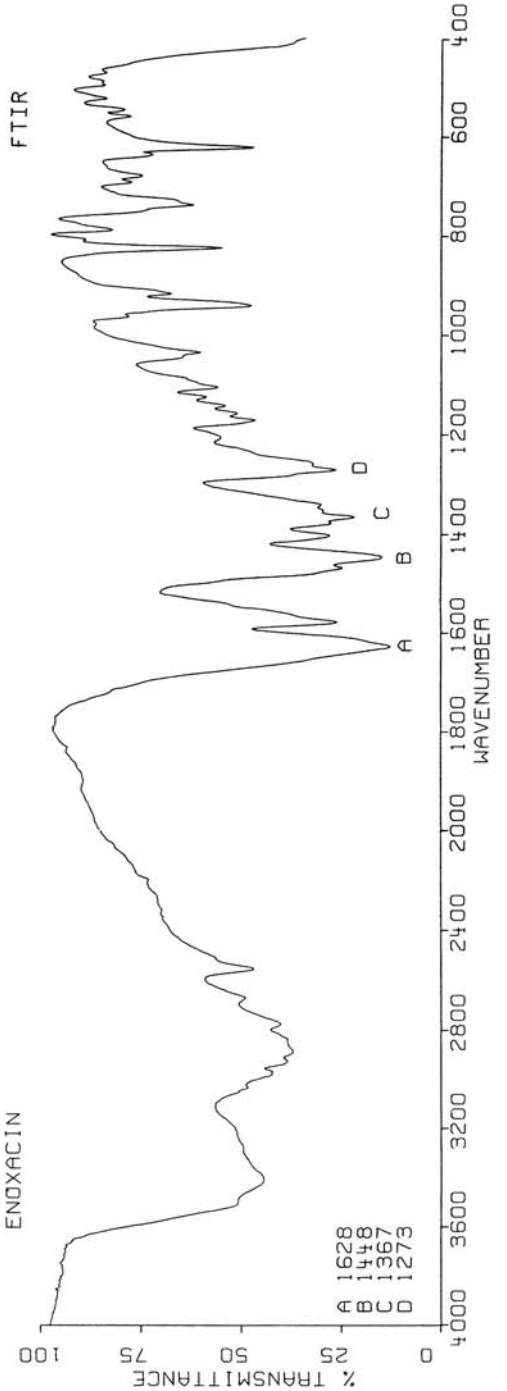




NO USEFUL MASS SPECTRUM WAS OBTAINED




ENOXACIN (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 90 1.00
2 74 1.52
3 34 1.54
4 40 3.02
5 49 3.04
6 49 3.05
7 46 3.86
8 56 3.88
9 49 3.89
10 38 4.44
11 39 4.46
12 91 7.35
13 52 8.07
14 47 8.11
15 97 8.72
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

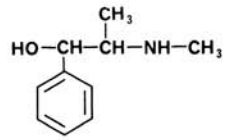

ENOXACIN
FTIR
A 1628
B 1448
C 1367
D 1273
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

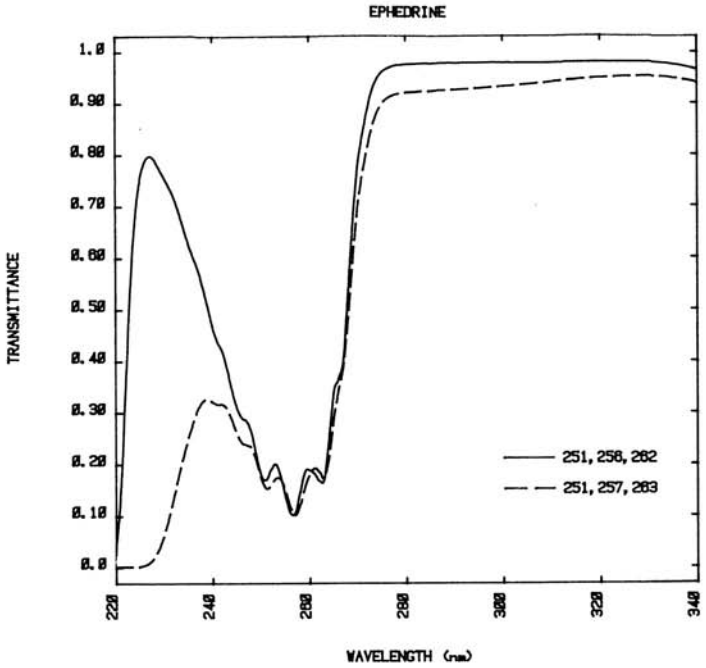
EPHEDRINE

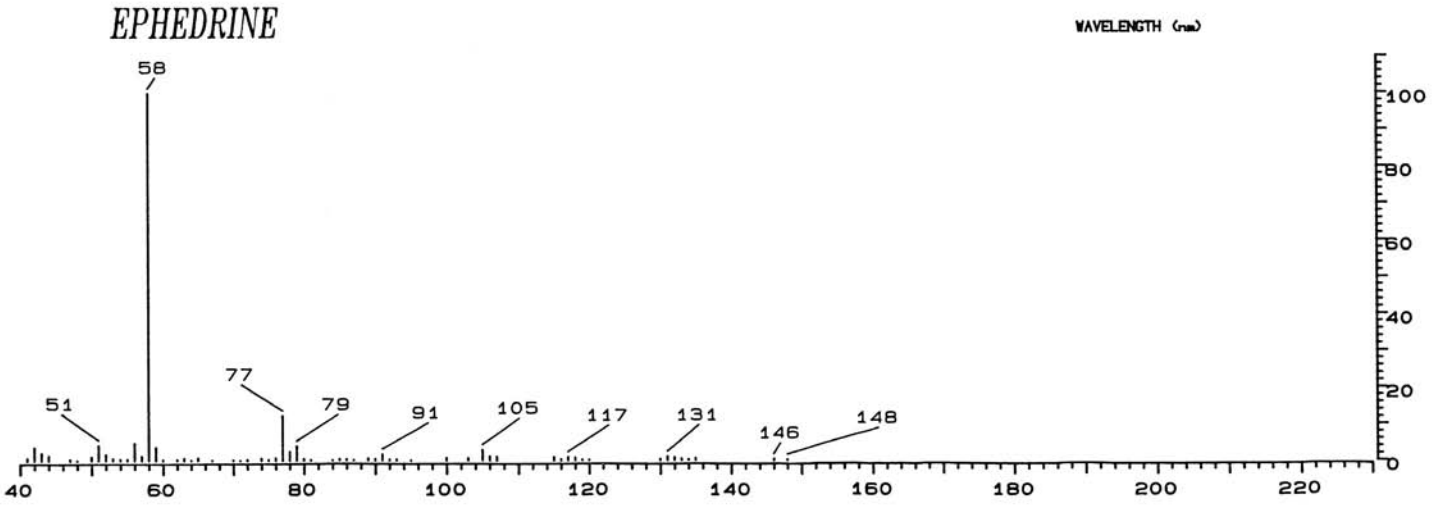
$C_{10}H_{15}NO$

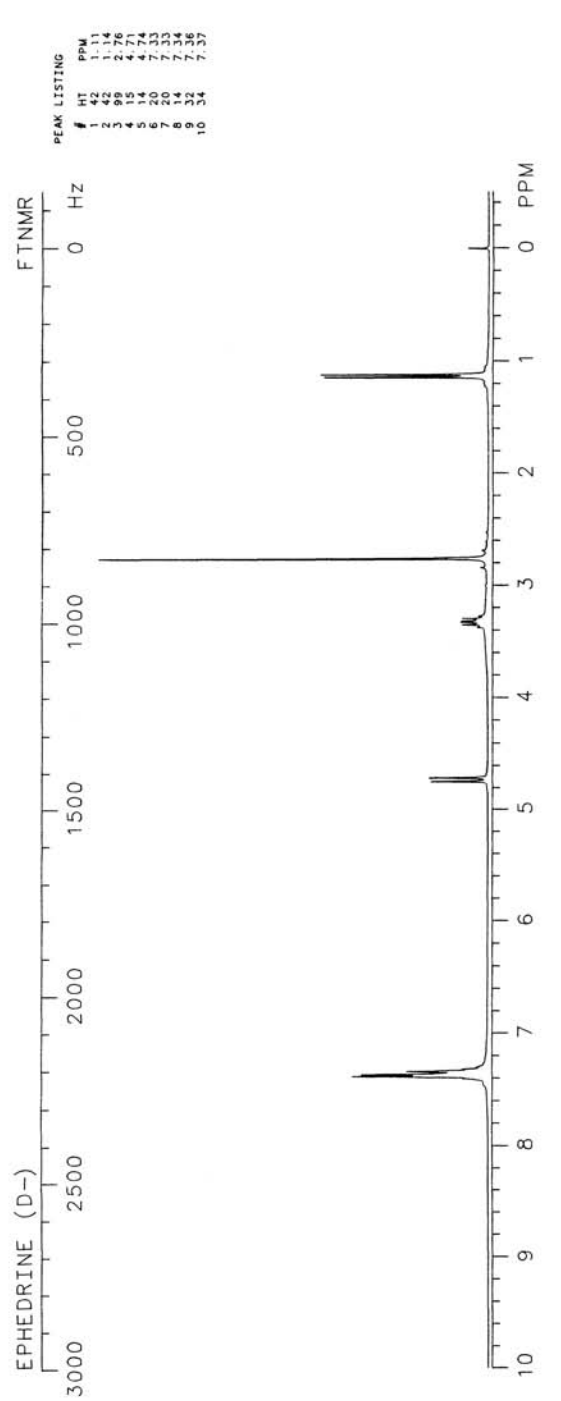
Molecular weight: 165.24 (165.12)
Synonyms: α-[1-(Methylamino)ethyl]benzenmethanol; 1-phenyl-2-methylaminopropanol
Trade names: Tedral, Bronkotabs

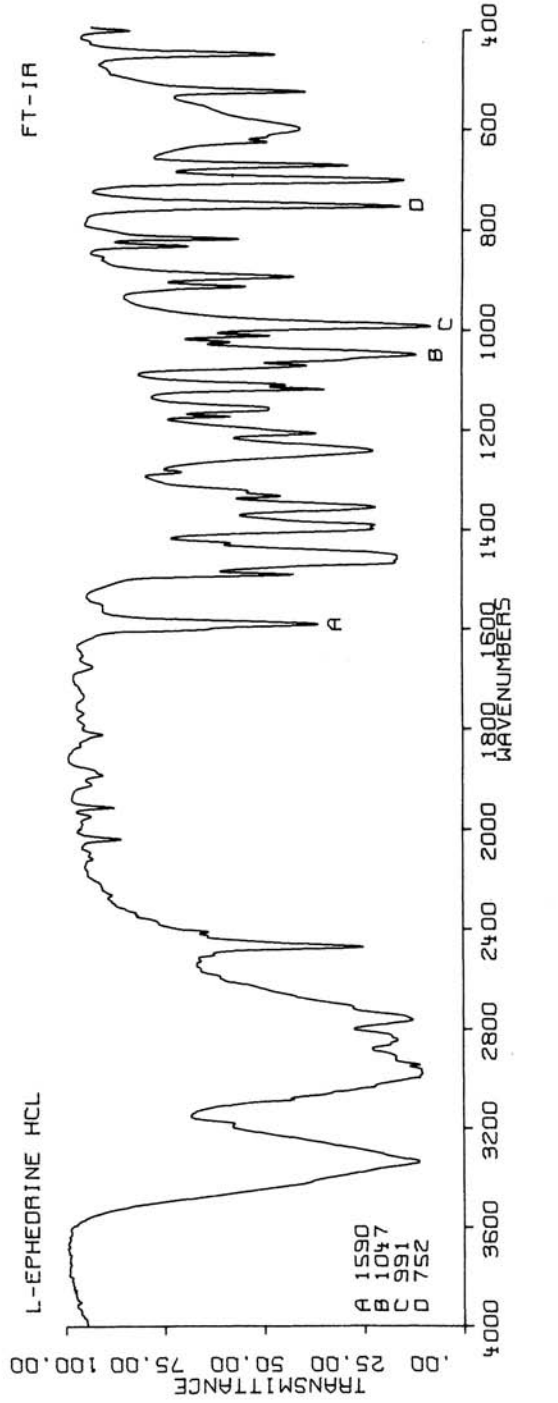
Use: Bronchodilator
HPLC: Si-10; 20A:80B; 9.0
GC: 1361; 140°C








EPHEDRINE (D-)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 42 1.11
2 42 1.14
3 98 2.76
4 15 4.71
5 14 4.74
6 20 7.33
7 20 7.33
8 14 7.34
9 32 7.36
10 34 7.37
10 9 8 7 6 5 4 3 2 1 0 PPM


L-EPHEDRINE HCL
FT-IR
A 1590
B 1047
C 991
D 752
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

EPICILLIN

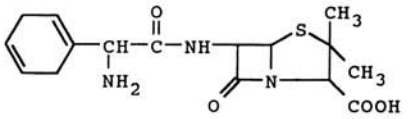
$C_{16}H_{21}N_3O_4S$

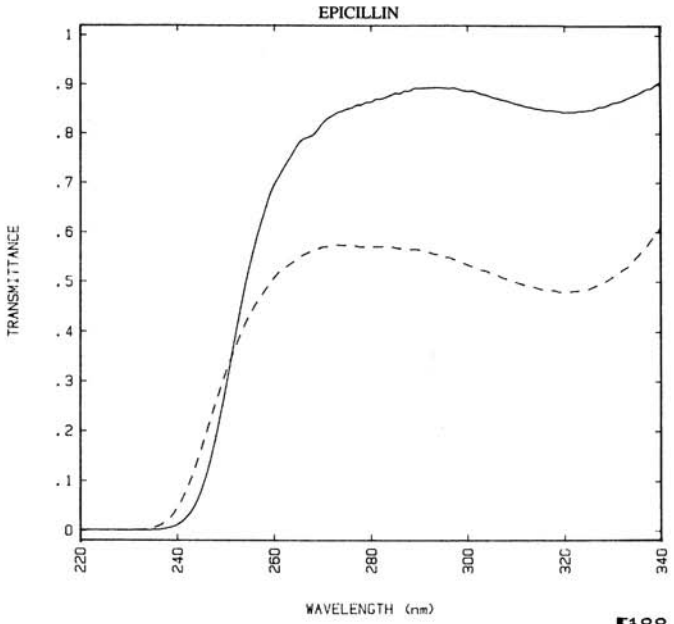
Molecular weight: 361.43 (351.13)

Synonyms: 6-[(Amino-1,4-cyclohexadien-1-ylacetyl)amino]-3, 3-dimetyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

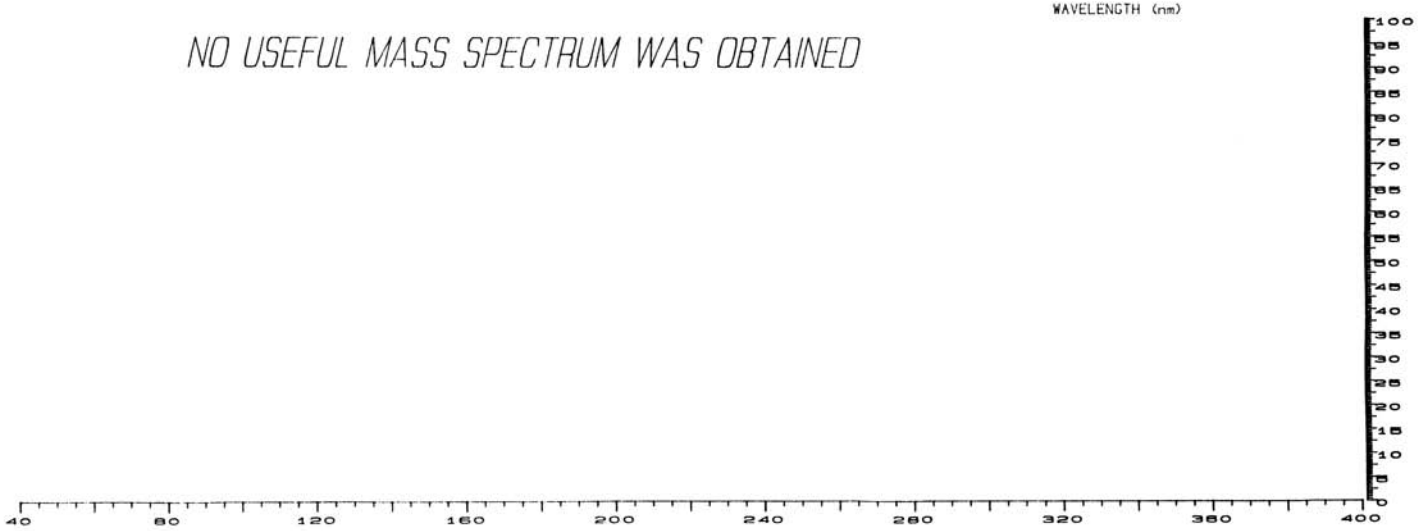
Trade names: Dexacilina, Dexacillin, Omnisan, Spectacillin

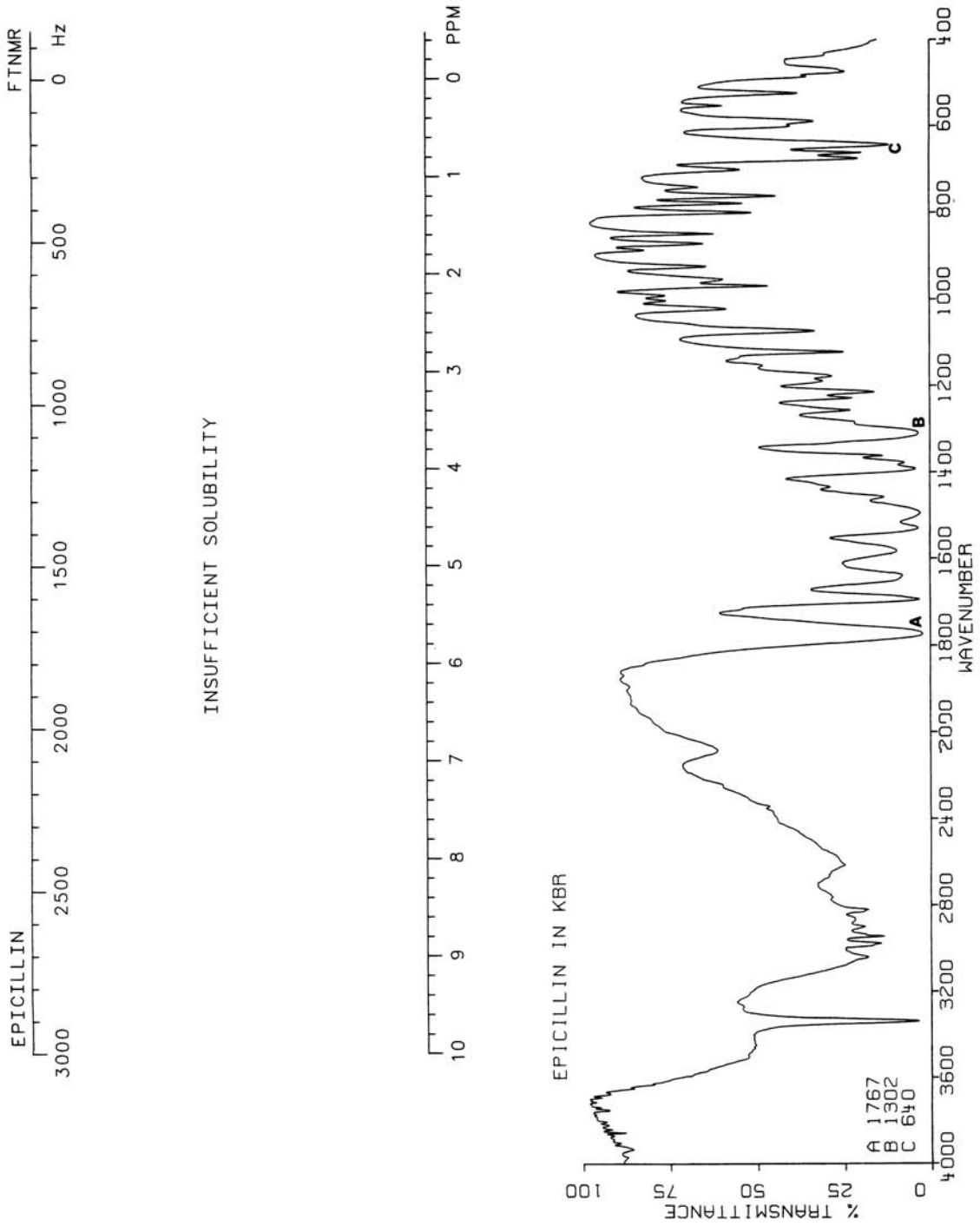
Use: Antibiotic, antibacterial
HPLC: 50A:50C; 1.5
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



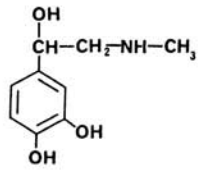

EPICILLIN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
EPICILLIN IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1767
B 1302
C 640
A
B
C

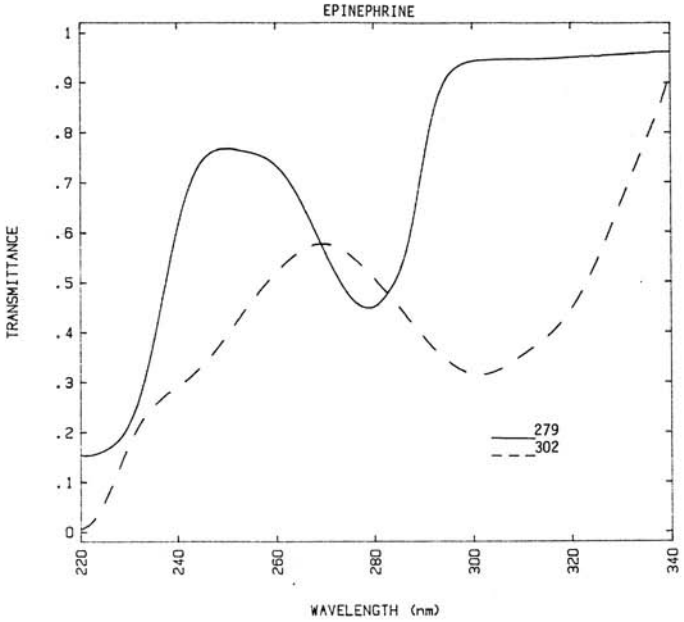
EPINEPHRINE

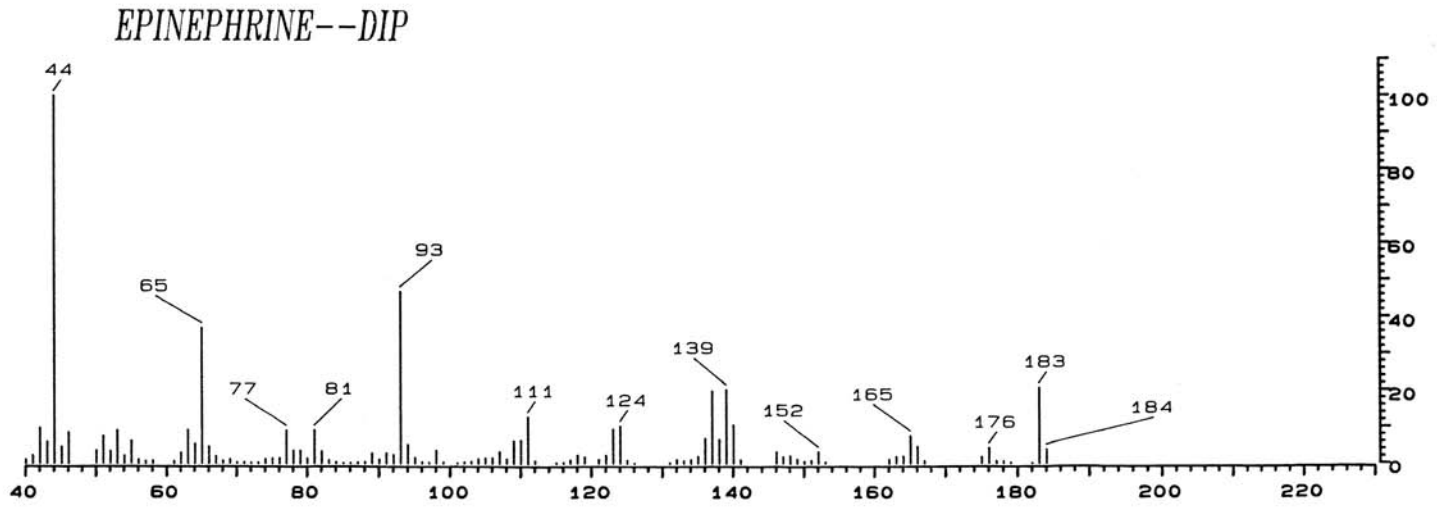
$C_9H_{13}NO_3$

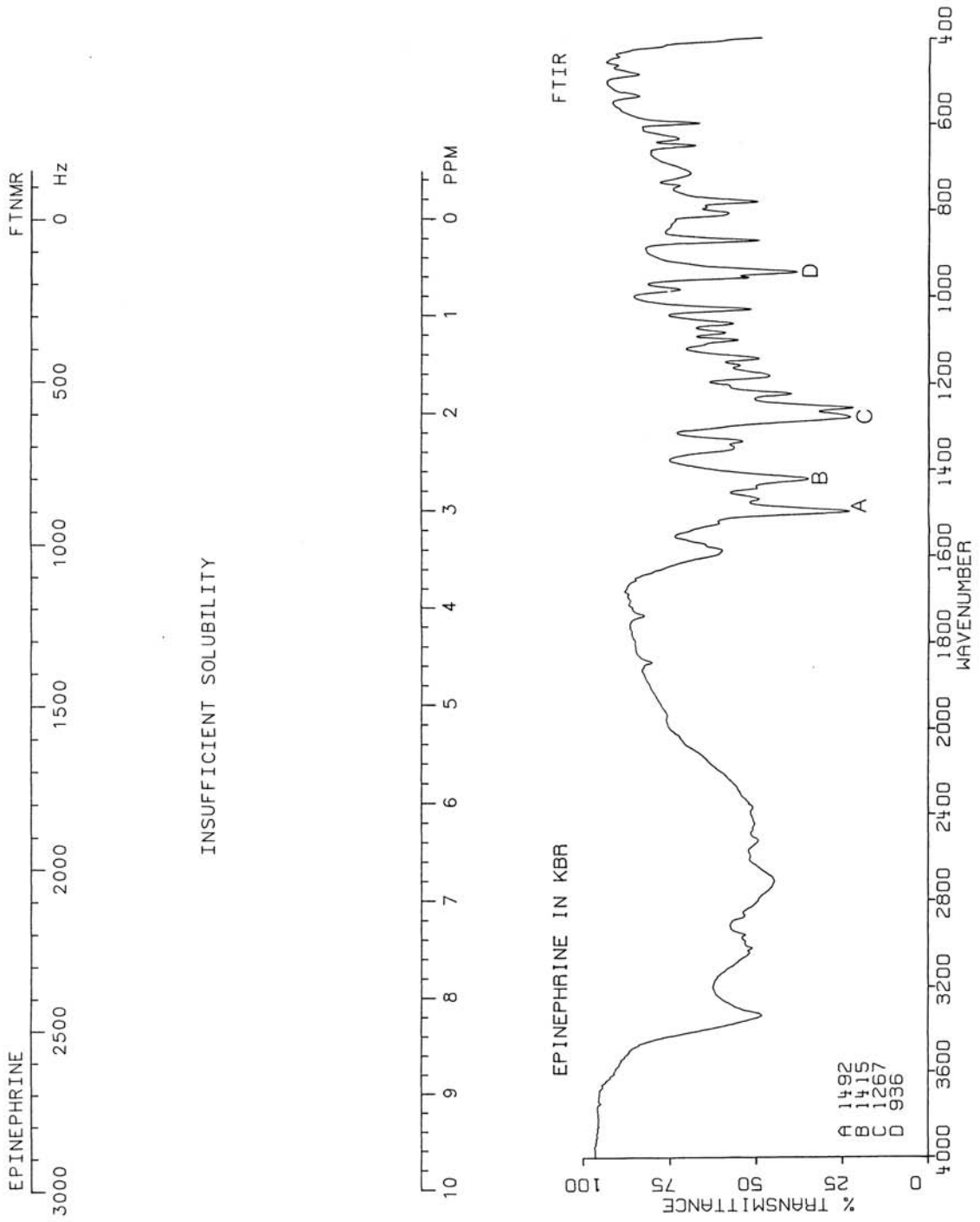
Molecular weight: 183.20 (183.09)
Synonyms: 4-[1-Hydroxy-2-(methylamino)ethyl]-1,2-benzenediol; methylaminoethanol catechol

Trade names: Adrenalin, Adrenal, Adrephrine, Adrin, Ayerst-Epitrate, Epinephrine, Epinephran, Epirenan, Epipen, Hemisine, Levorenine, Liodocaine, Marcaine, Nephridine, Primatene Mist, Renoform, Surrenine, Supronephrane, Sus-phrine, Takamina, Vaponefrin, Vasotonin
Use: Adrenergic
HPLC:
GC:








EPINEPHRINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
EPINEPHRINE IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
A 1492
B 1415
C 1267
D 936
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

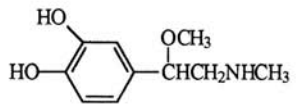
EPINEPHRINE METHYL ETHER

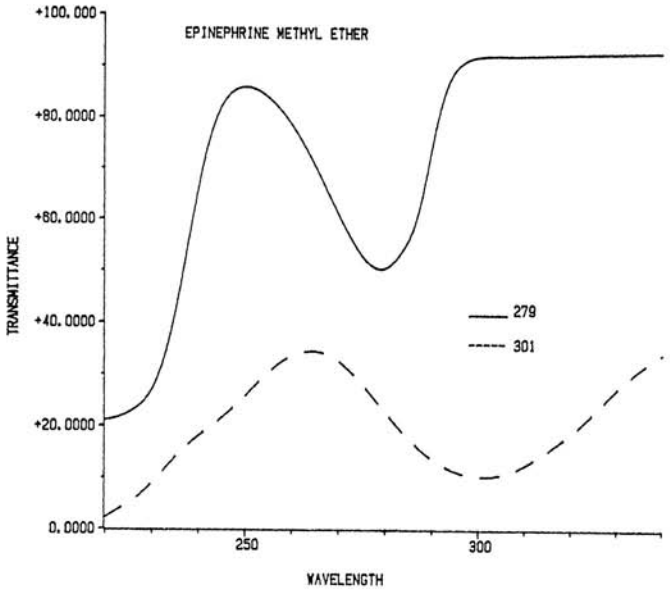
$C_{10}H_{15}NO_3$

Molecular Weight: 197.23 (197.11)

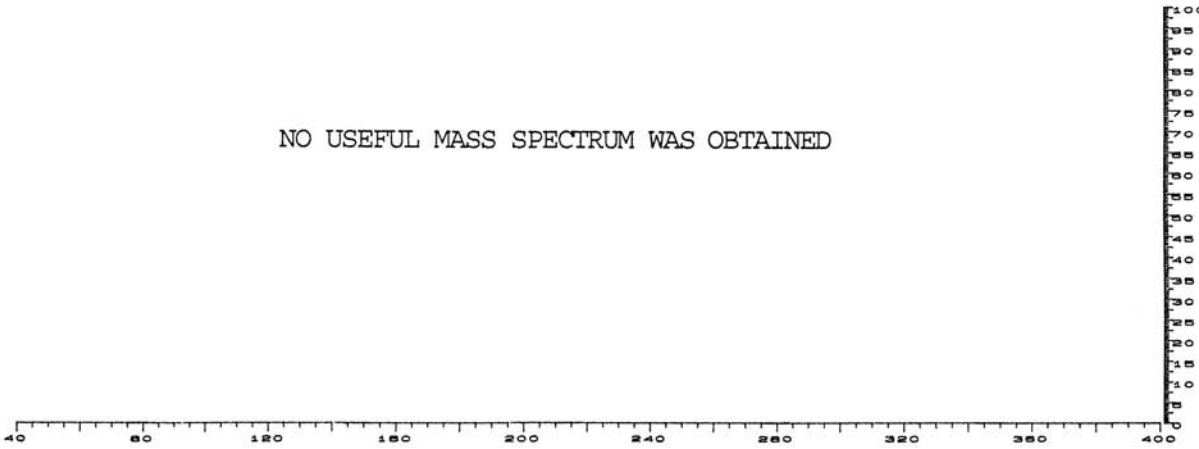
Synonyms: 4-[1-Methoxy-2-(methylamino)ethyl]-1,2-benzenediol
Trade Names:
Use:

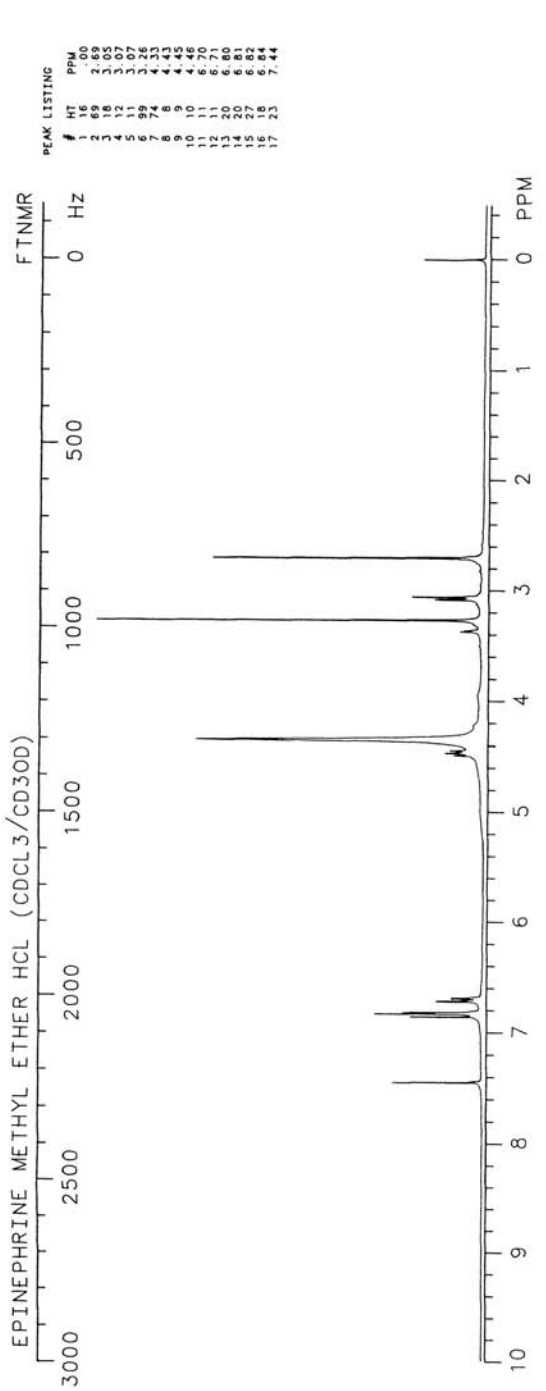
HPLC:
GC:

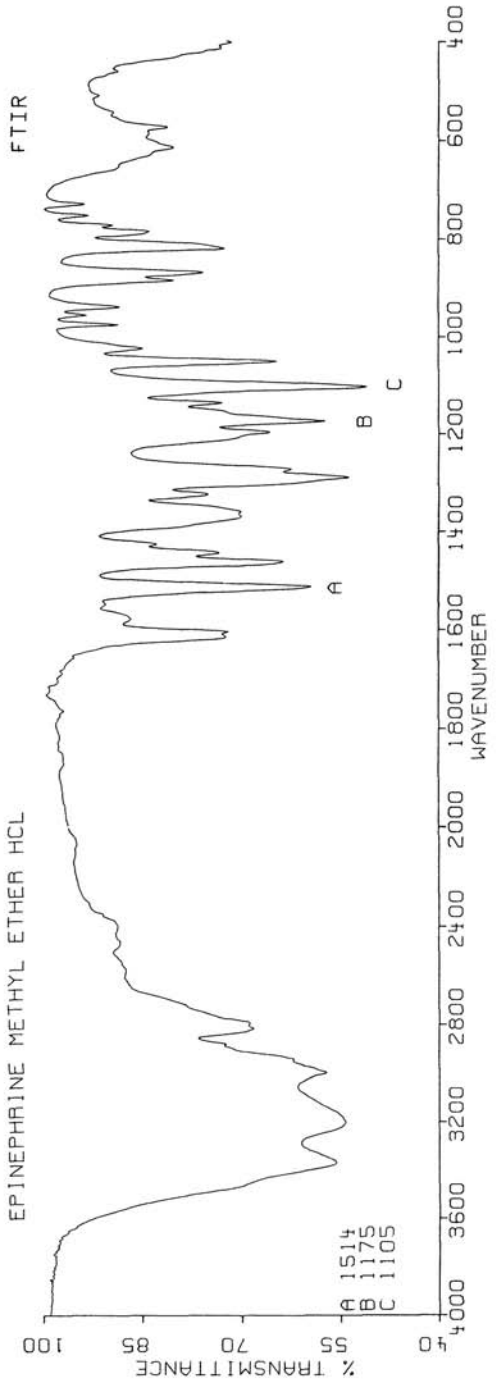




NO USEFUL MASS SPECTRUM WAS OBTAINED



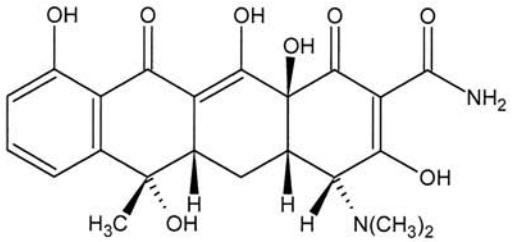

EPINEPHRINE METHYL ETHER HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 16 .00
2 69 3.69
3 16 3.05
4 12 3.05
5 11 3.07
6 99 3.26
7 74 4.33
8 8 4.43
9 9 4.45
10 10 4.46
11 11 6.70
12 11 6.71
13 20 6.80
14 20 6.81
15 27 6.82
16 18 6.84
17 23 7.44

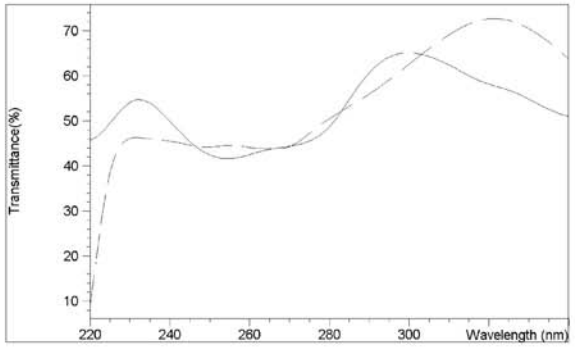

EPINEPHRINE METHYL ETHER HCL
FTIR
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1514
B 1175
C 1105
A
B
C

EPITETRACYCLINE

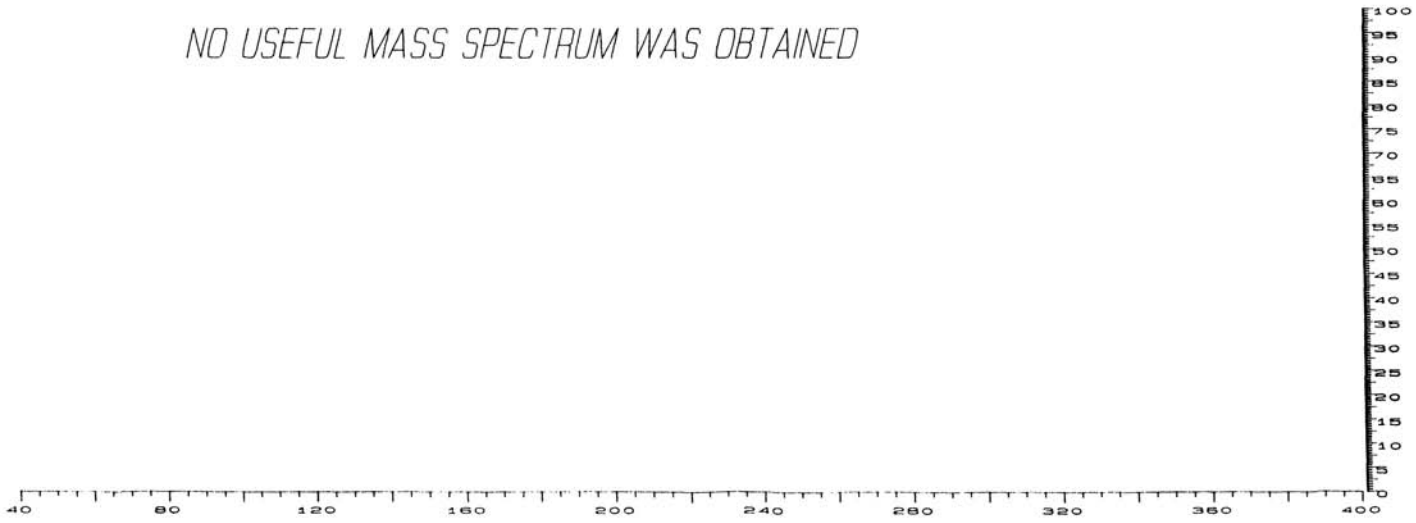
$C_{22}H_{24}N_2O_8$

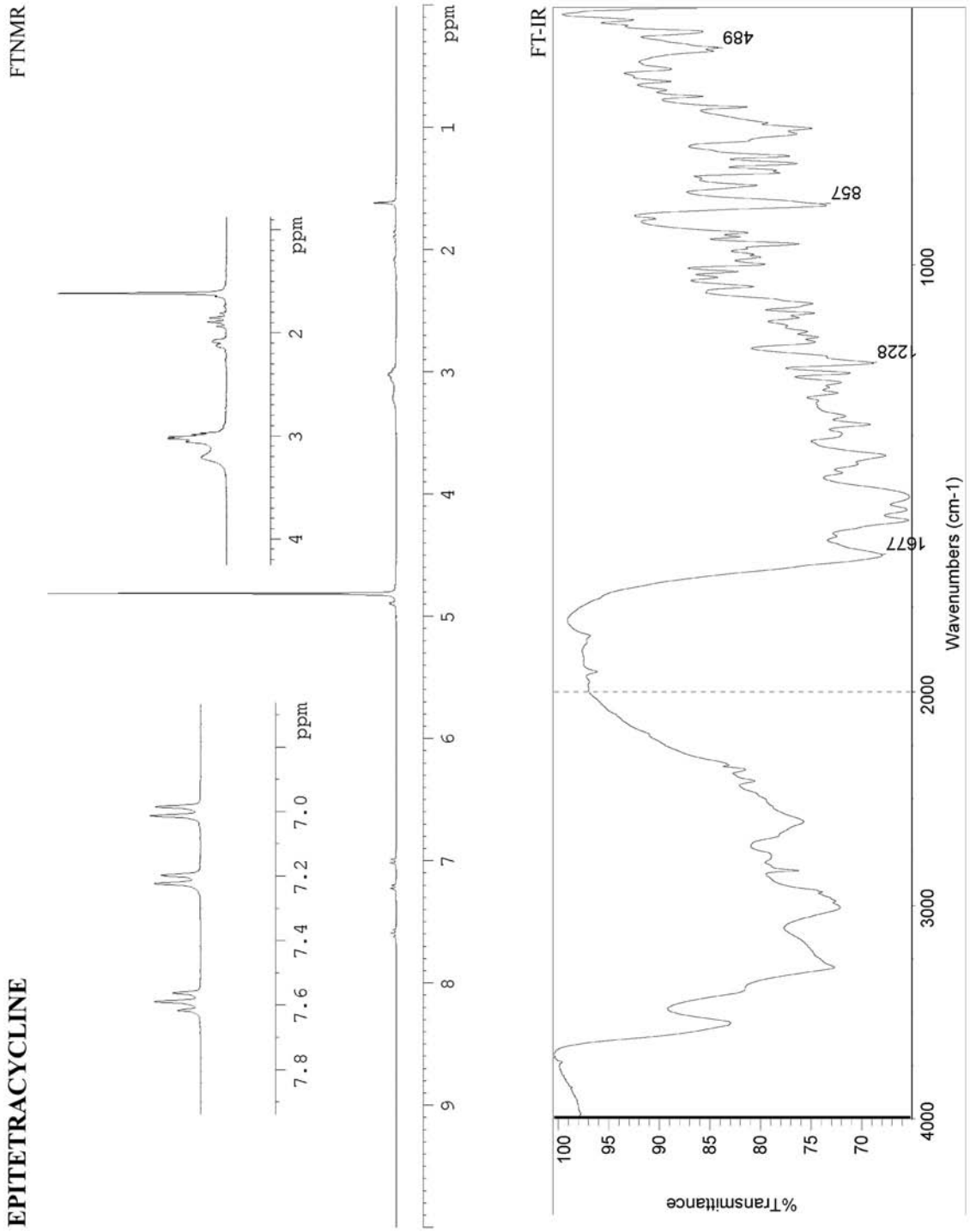
Molecular Weight: 444.43 (444.15)
Synonyms: 4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, quatrimycin
Trade names:
Use: Antibacterial





NO USEFUL MASS SPECTRUM WAS OBTAINED



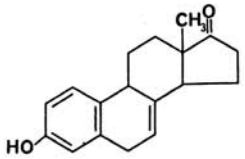

EPITETRACYCLINE
FTNMR
ppm
FT-IR
%Transmittance
Wavenumbers (cm-1)
489
857
1228
1677

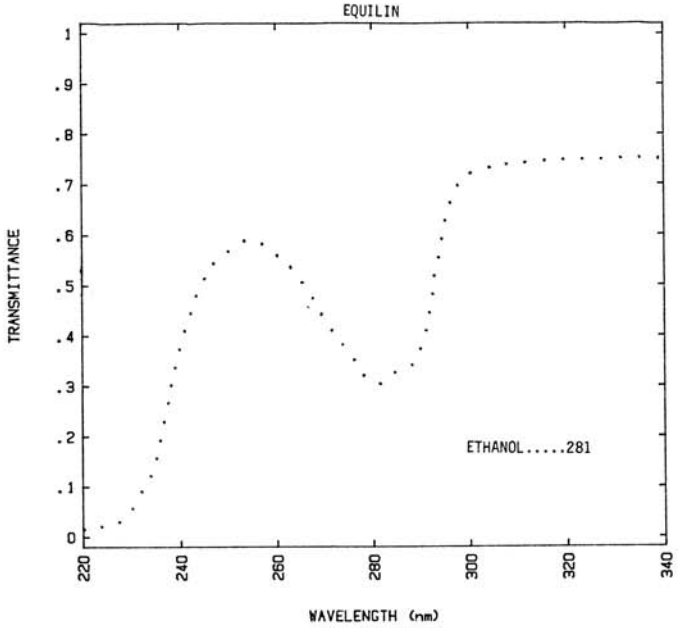
EQUILIN

$C_{18}H_{20}O_2$

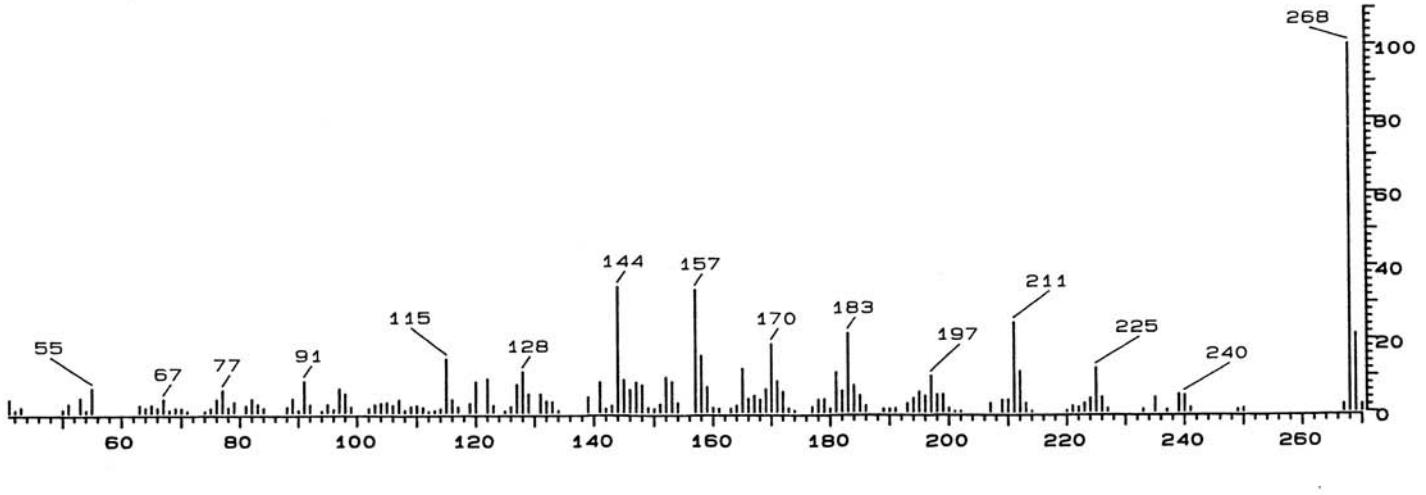
Molecular weight: 268.34 (268.15)
Synonyms: 3-Hydroxyestra-1,2,5(10),7-tetraen-17-one;
1,3,5,7-estratetraen-3-ol-17-one
Trade names:

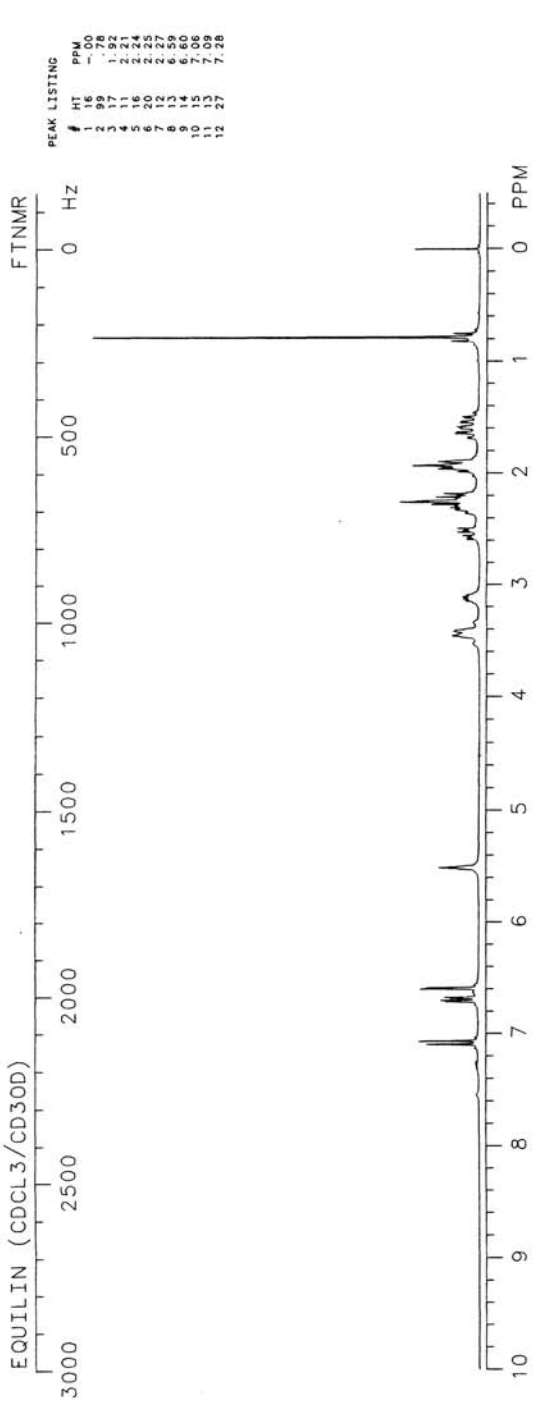
Use: Estrogen
HPLC:
GC: 2610; 250°C

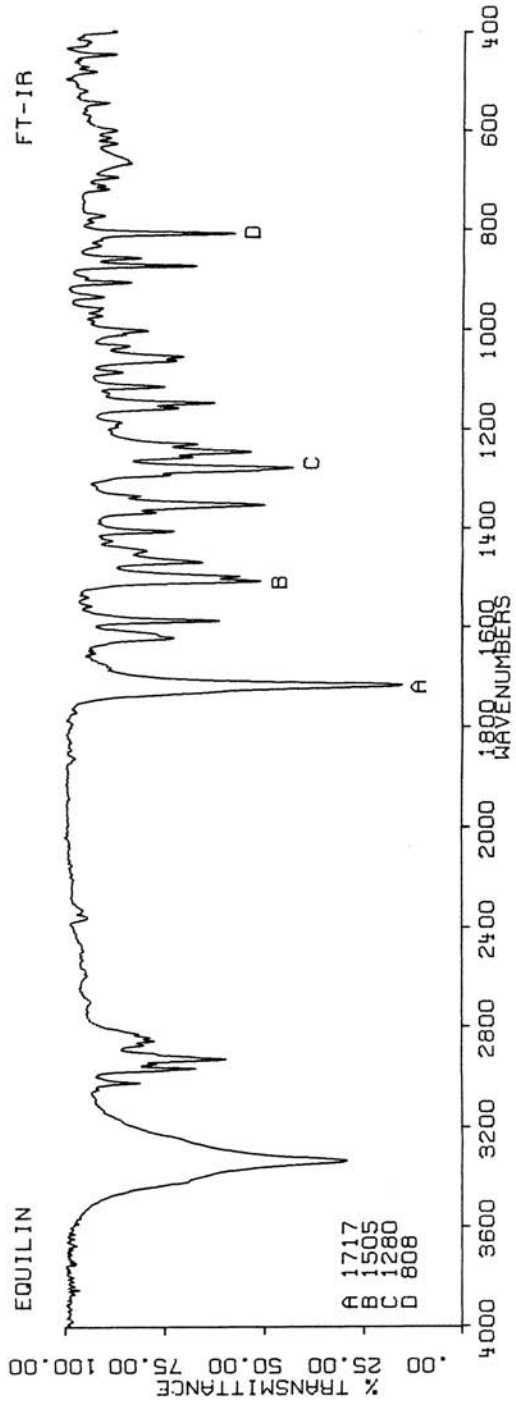




EQUILIN



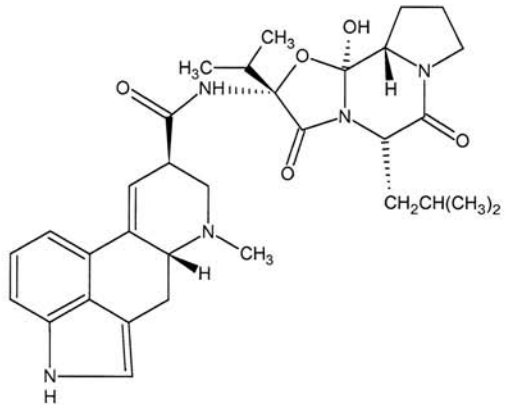

EQUILIN (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 16 -.00
2 99 .78
3 17 1.92
4 11 2.21
5 16 2.24
6 20 2.25
7 12 2.27
8 13 6.59
9 14 6.60
10 15 7.06
11 13 7.09
12 27 7.28

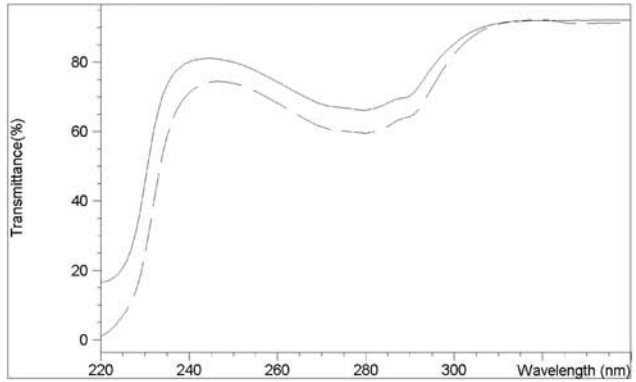

EQUILIN
FT-IR
A 1717
B 1505
C 1280
D 808
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D

Alpha-ERGOCRYPTINE

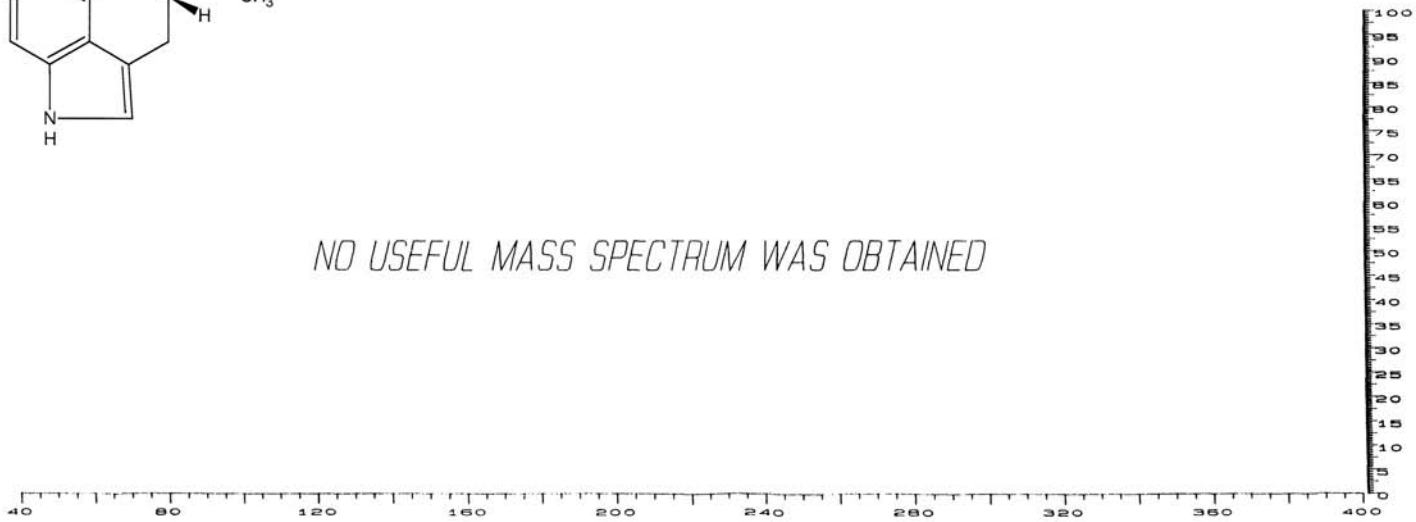
$C_{32}H_{41}N_5O_5$

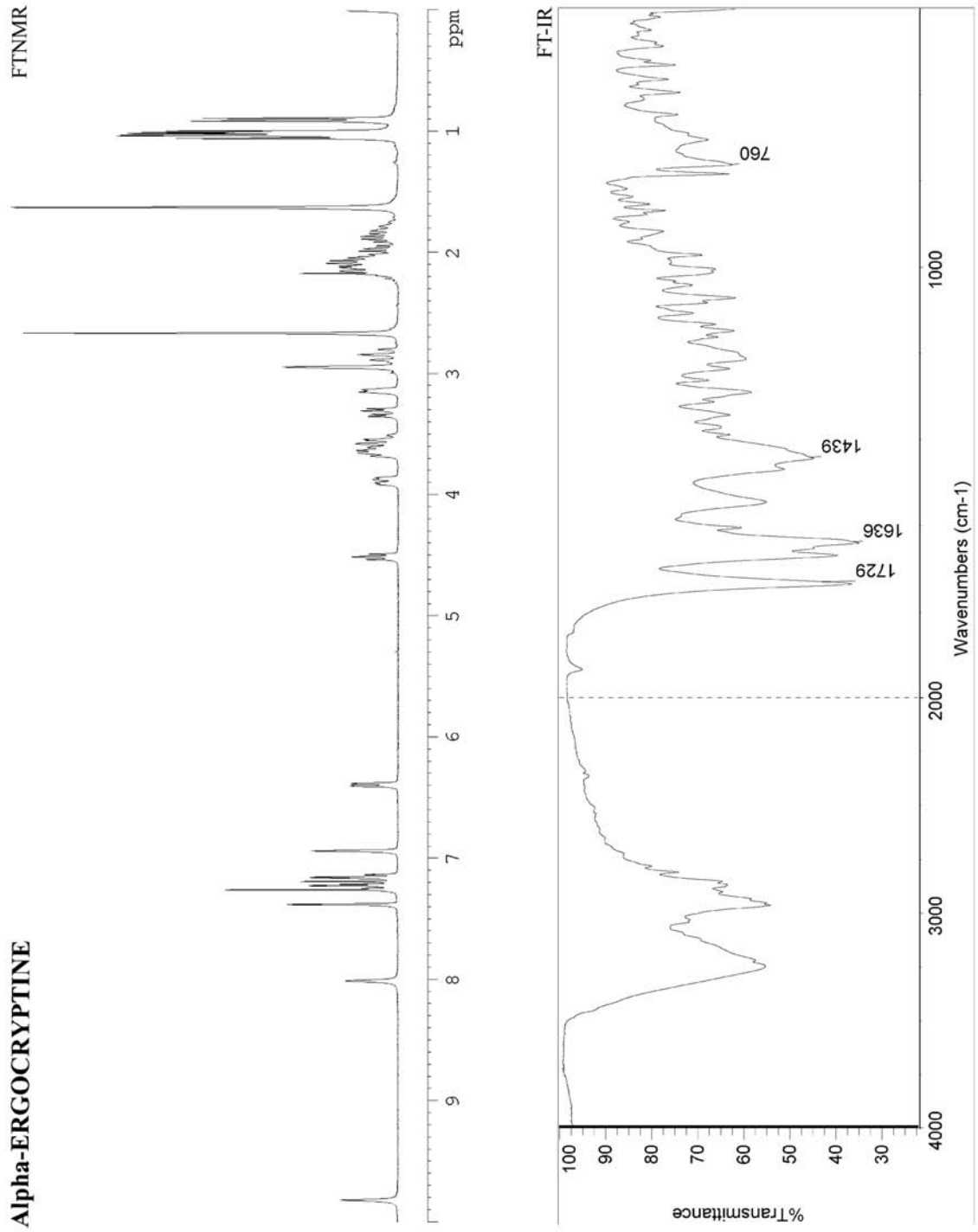
Molecular Weight: 575.70 (575.31)
Synonyms: Ergokryptine, (5'α)-12'-Hydroxy-2'-(1-methylethyl)-5'-(2-methylpropyl)ergotaman-3',6',18-trione
Trade names:
Use: Vasoconstrictor





NO USEFUL MASS SPECTRUM WAS OBTAINED

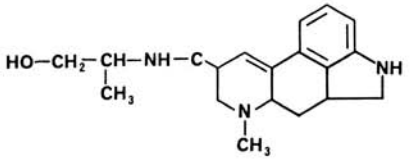


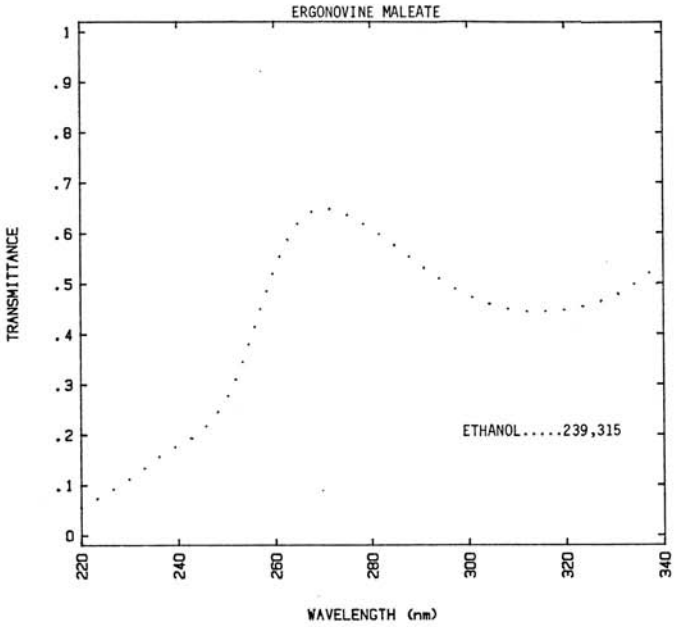

Alpha-ERGOCRYPTINE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
100
90
80
70
60
50
40
30
4000
3000
2000
1000
Wavenumbers (cm-1)
760
1439
1636
1729

ERGONOVINE

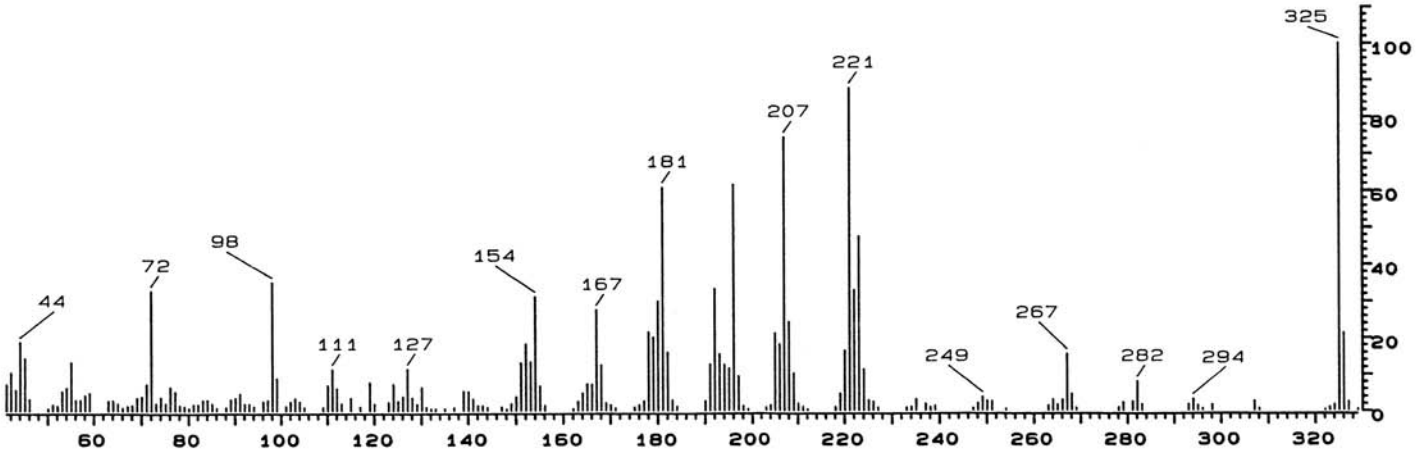
$C_{19}H_{23}N_3O_2$

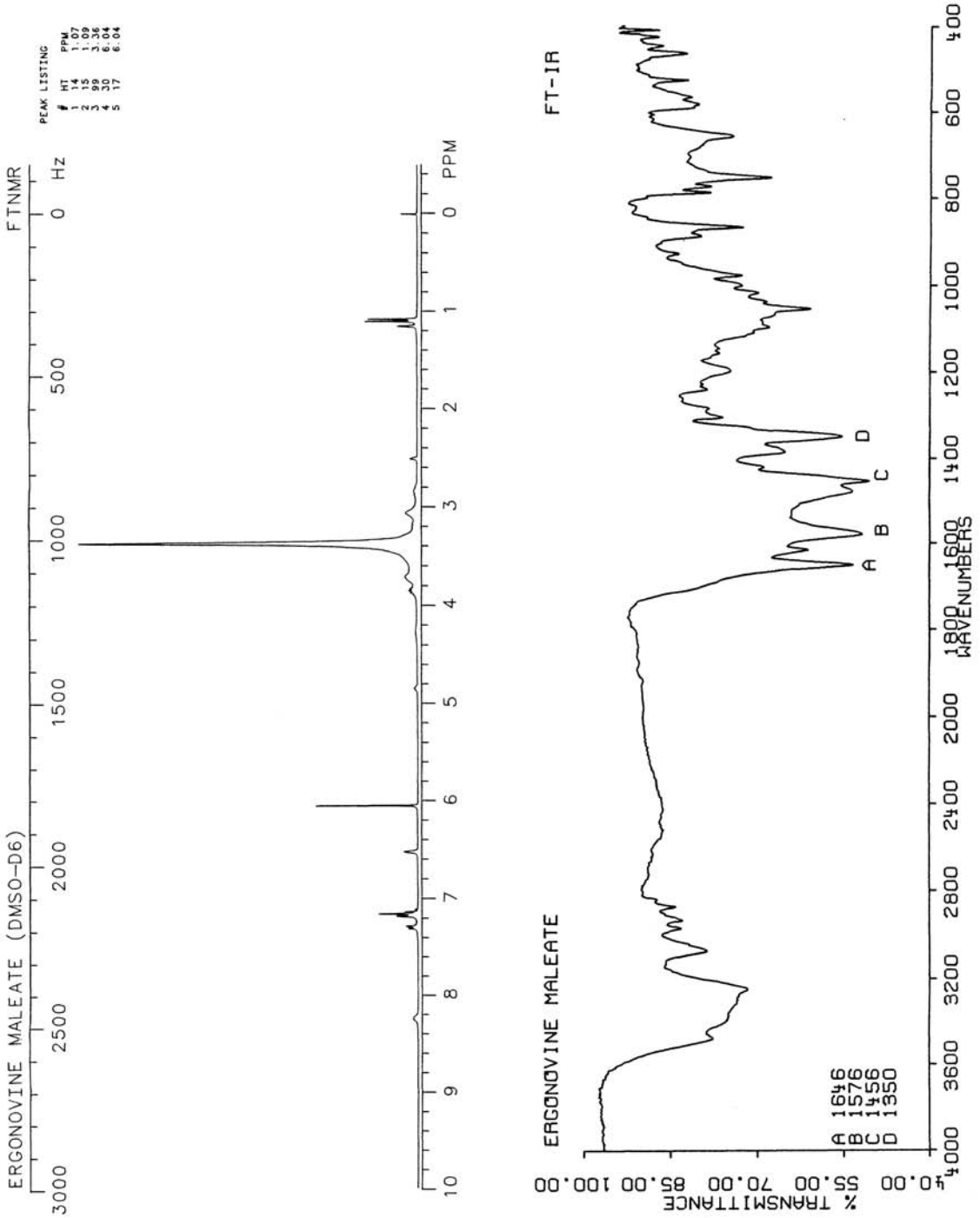
Molecular weight: 325.39 (325.18)
Synonyms: 9,10-Dihydro-N-(2-hydroxy-1-methylethyl)-6-methylergoline-8-carboxamide; D-lysergic acid L-2-propanolamide; ergometrine
Trade names: Basergin, Cornocentin, Ergobasine, Ergotocine, Ergostetrine, Ergotrate Maleate, Neofemergen, Syntometrine
Use: Oxytocic, ergot alkaloid
HPLC: Si-10; 5A:95B; 7.4
GC:





ERGONOVINE -- DIP




FTNMR
ERGONOVINE MALEATE (DMSO-D6)
PEAK LISTING
HT PPM
1 14 1.07
2 15 1.09
3 99 3.36
4 30 6.04
5 17 6.64
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
ERGONOVINE MALEATE
A 1646
B 1576
C 1456
D 1350
% 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

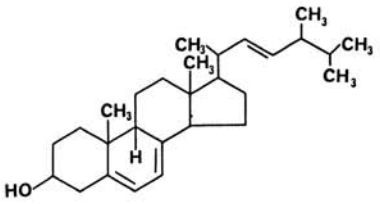
ERGOSTEROL

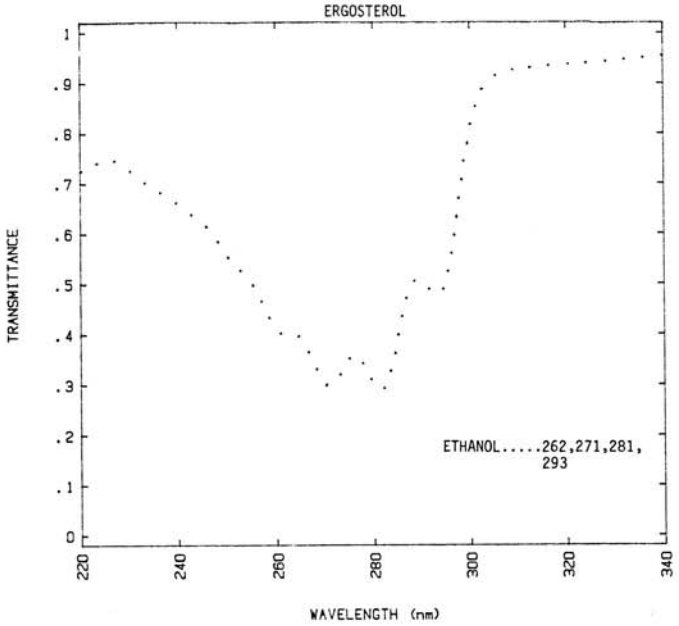
$C_{28}H_{44}O$

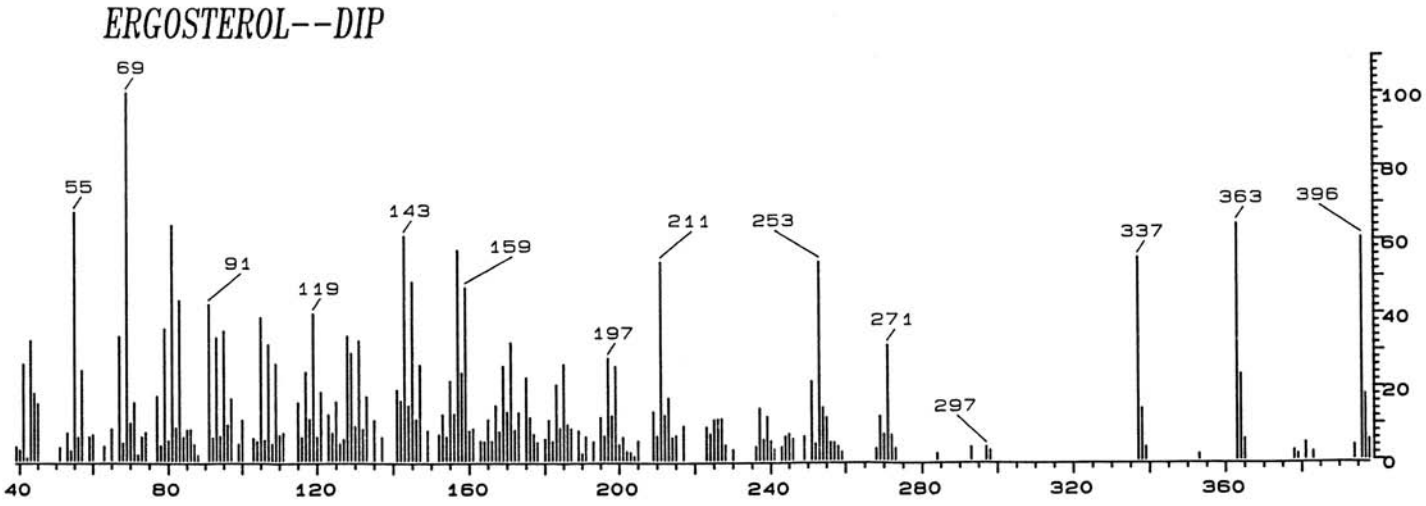
Molecular weight: 396.63 (396.34)
Synonyms: Ergosta-5,7,22-trien-3β-ol; ergosterin

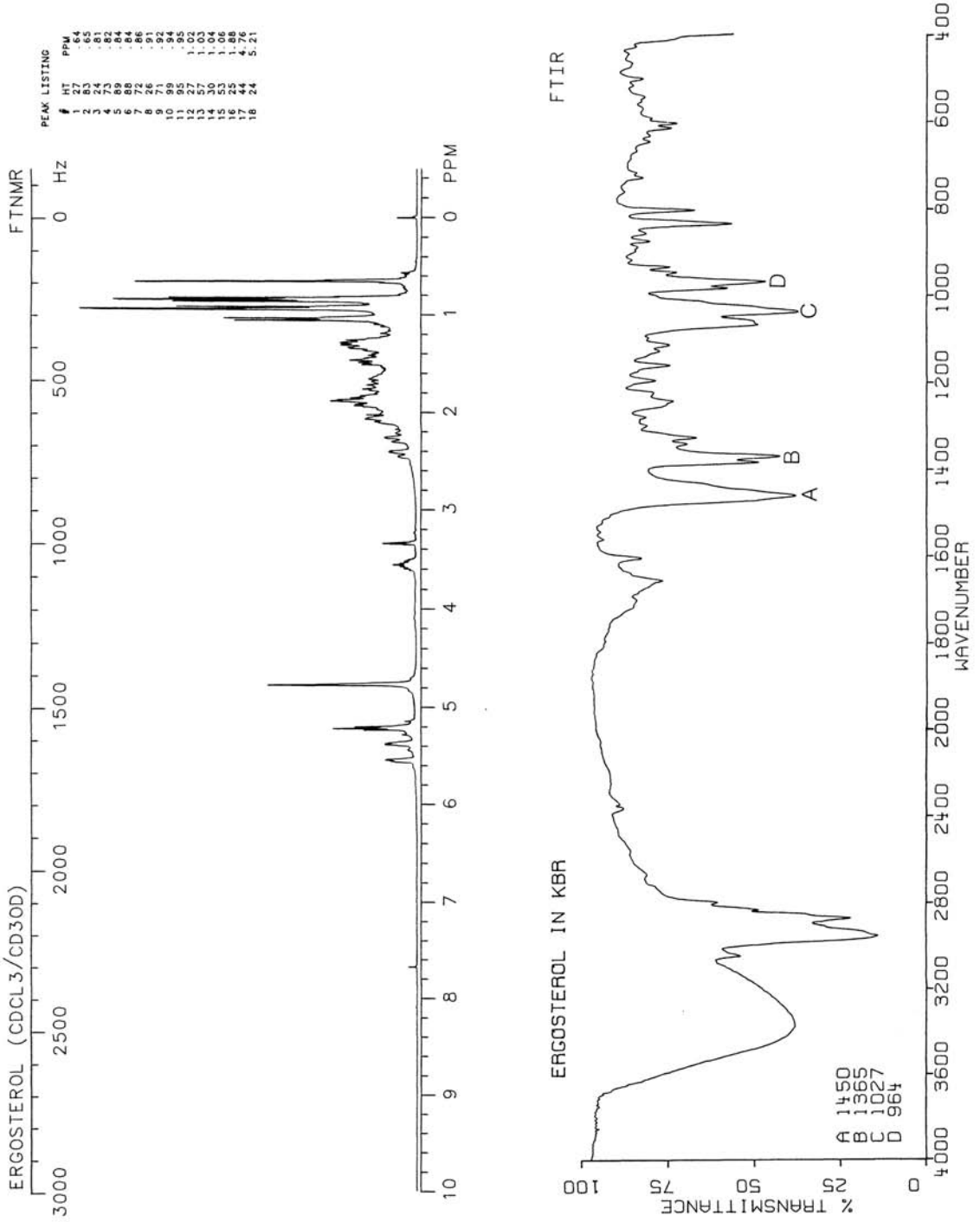
Trade names:

Use: Vitamin
HPLC:
GC:





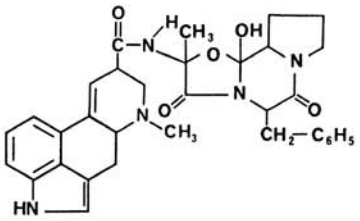


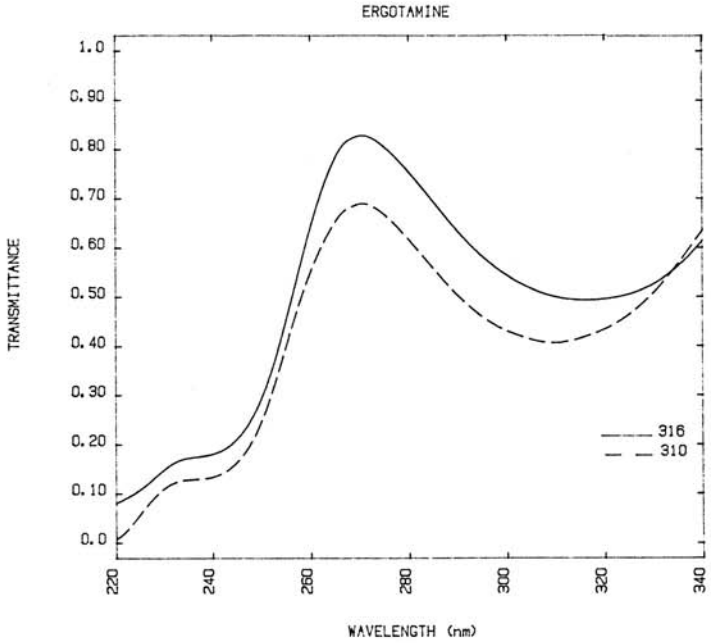

ERGOSTEROL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 27 .64
2 83 .65
3 24 .81
4 75 .82
5 89 .84
6 88 .84
7 72 .86
8 26 .91
9 71 .92
10 99 .94
11 95 .95
12 27 1.02
13 57 1.03
14 30 1.04
15 53 1.06
16 25 1.88
17 44 4.76
18 24 5.21
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ERGOSTEROL IN KBR
FTIR
A 1450
B 1365
C 1027
D 964
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

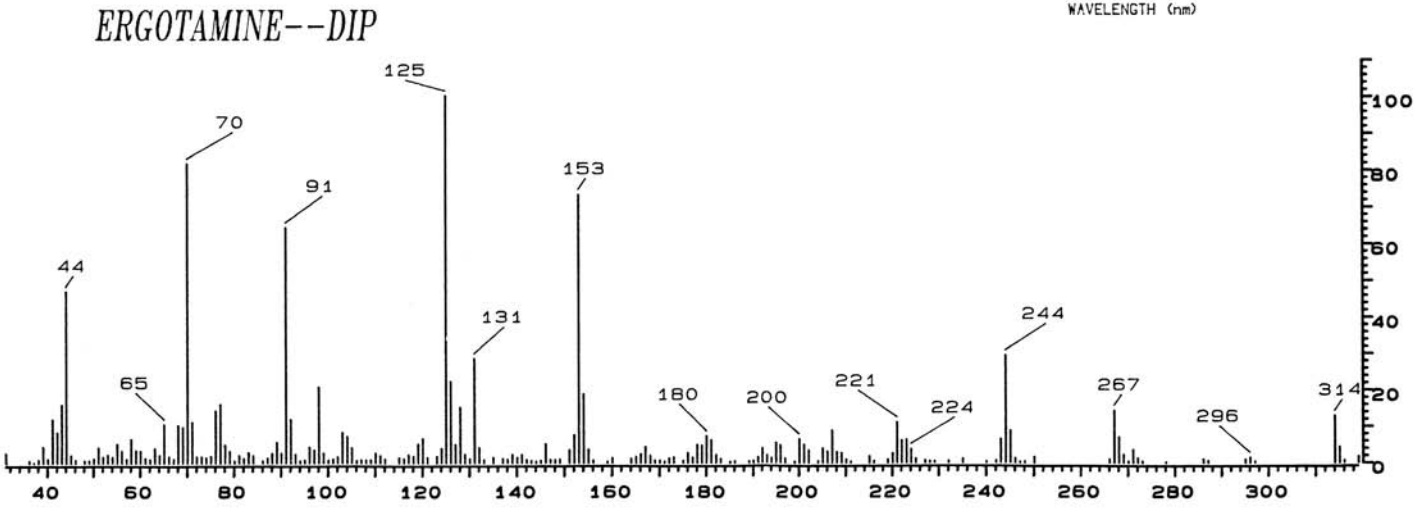
ERGOTAMINE

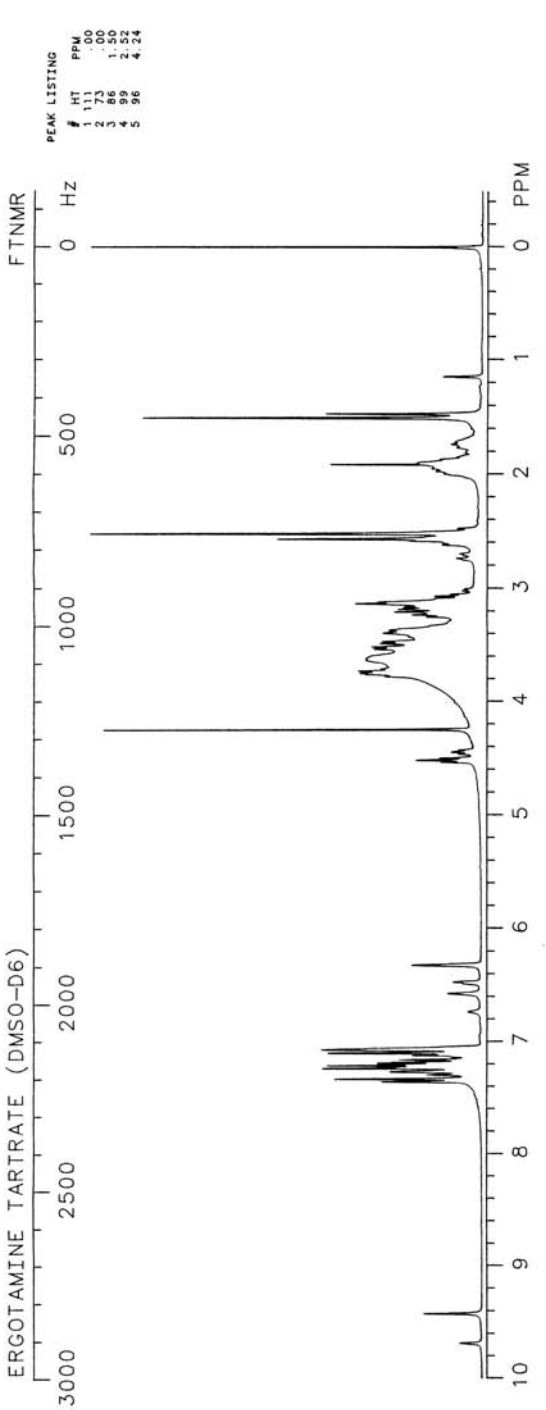
$C_{33}H_{35}N_5O_5$

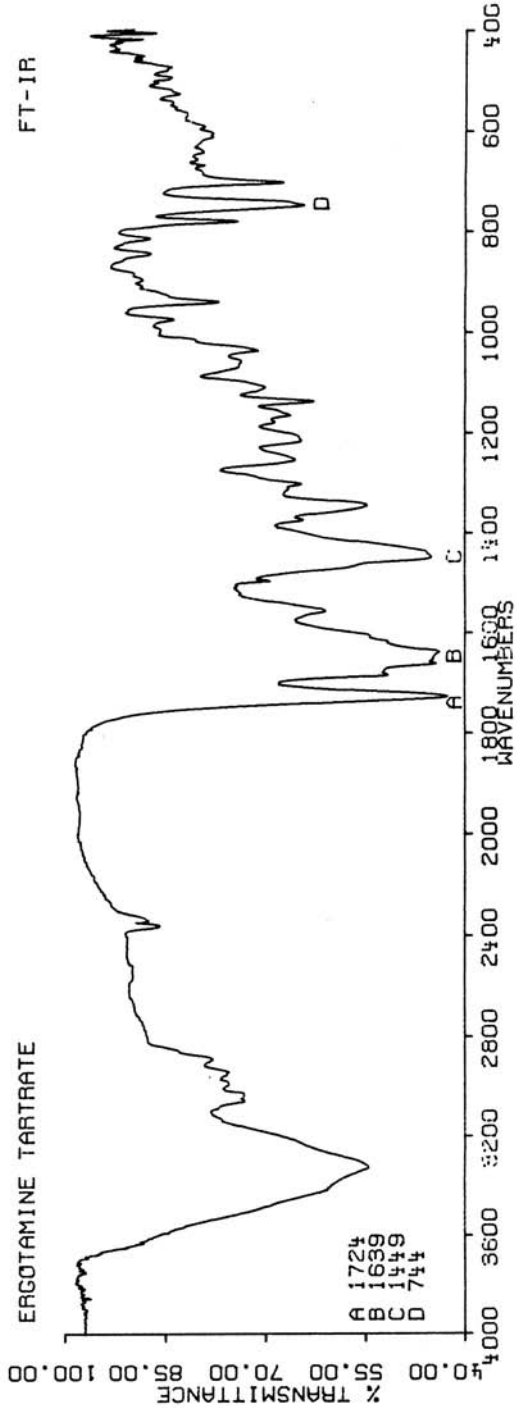
Molecular weight: 581.65 (581.26)
Synonyms: 12'-Hydroxy-2'-methyl-5'α-(phenylmethyl)ergotaman-3',6',18-trione
Trade names: Bellergal, Bellergal-S, Bellermine-OD, Cafergot, Ergomar, Ergostat, Gynergen, Medihaler, Migral, Wigraine
Use: Vasoconstrictor, ergot alkaloid
HPLC:
GC: 2394; 250°C








ERGOTAMINE TARTRATE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 111 .00
2 73 1.00
3 86 1.50
4 99 2.52
5 96 4.24
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

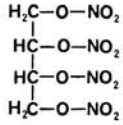

ERGOTAMINE TARTRATE
FT-IR
A 1724
B 1639
C 1449
D 744
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

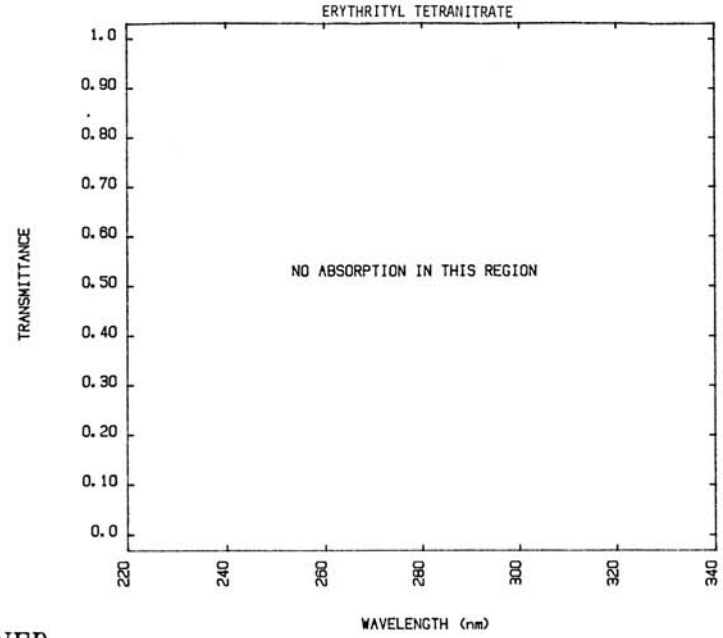
ERYTHRITYL TETRANITRATE

$C_4H_6N_4O_{12}$

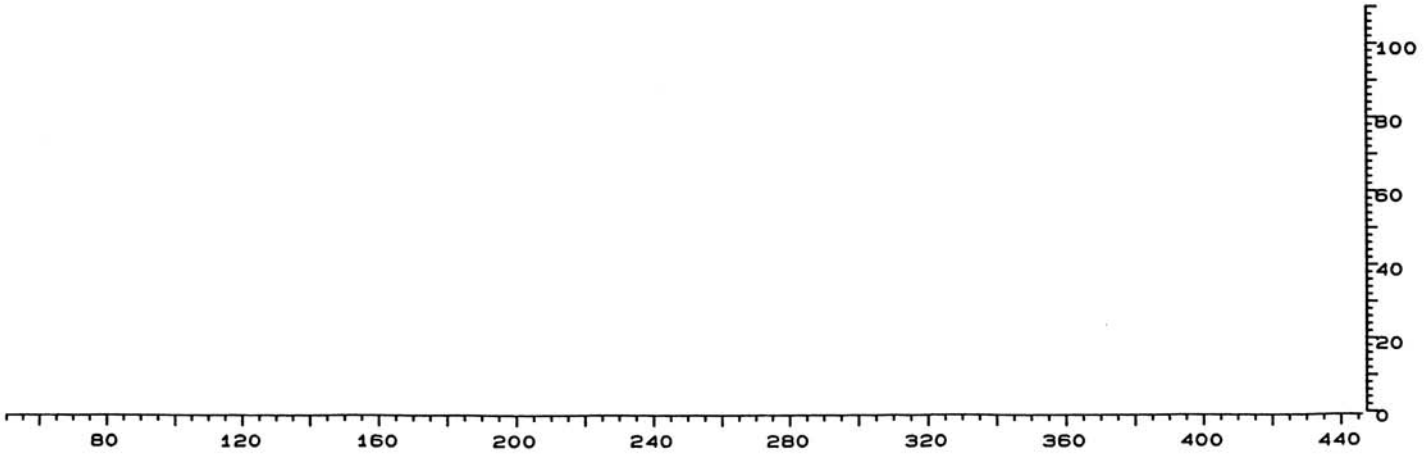
Molecular weight: 302.12 (302.00)
Synonyms: Erythritol tetranitrate; erythrol tetranitrate; tetranitrol; tetranitrin; nitroerythrite
Trade names: Cardilate, Cardiloid

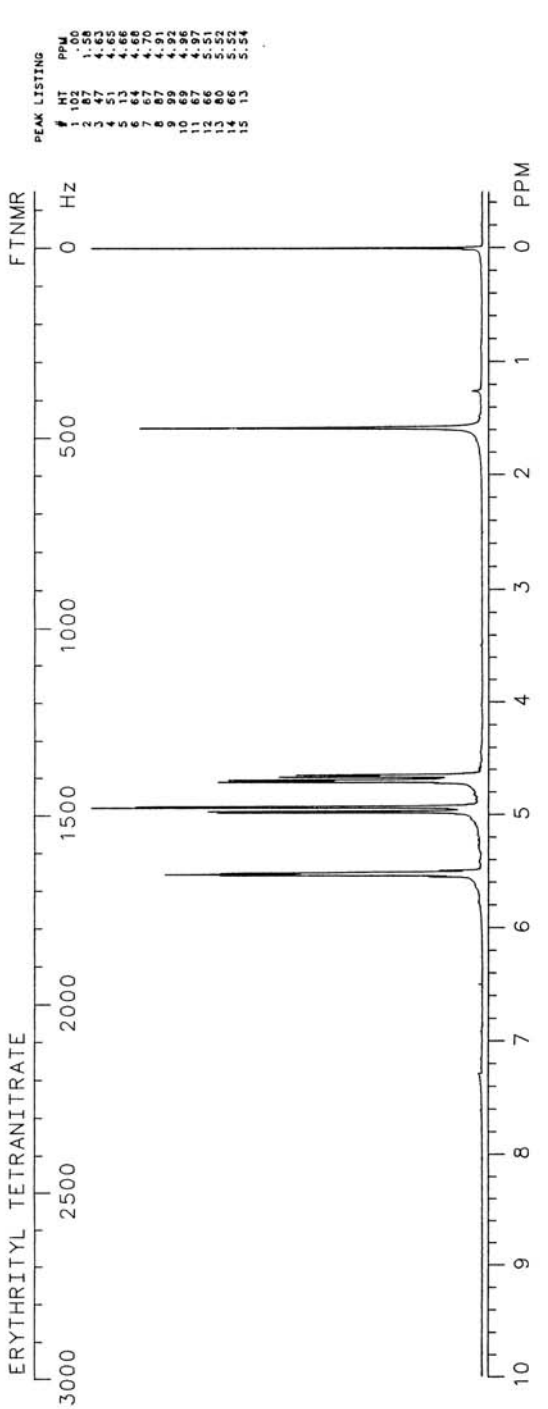
Use: Vasodilator
HPLC:
GC:

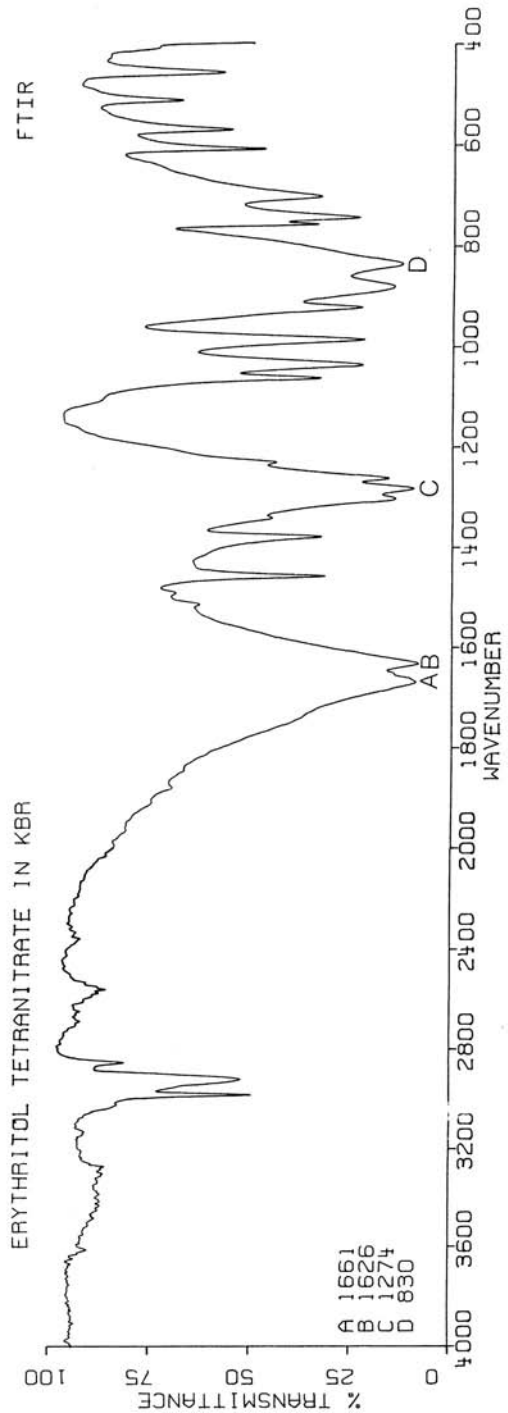




NO USEFUL MASS SPECTRUM WAS OBTAINED




ERYTHRITYL TETRANITRATE
FTNMR
PEAK LISTING
HT PPM
1 102 1.00
2 87 1.58
3 47 4.63
4 51 4.65
5 13 4.66
6 64 4.68
7 67 4.70
8 87 4.91
9 99 4.92
10 69 4.96
11 67 4.97
12 66 5.51
13 80 5.52
14 66 5.53
15 13 5.54
0 Hz
500
1000
1500
2000
2500
3000
0 PPM
1
2
3
4
5
6
7
8
9
10

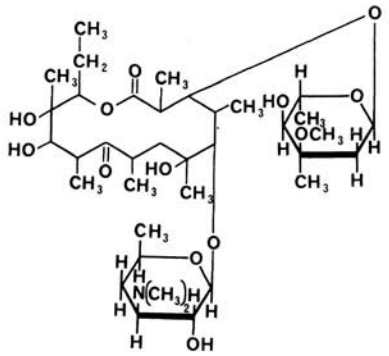

FTIR
ERYTHRITOL TETRANITRATE IN KBR
A 1661
B 1626
C 1274
D 830
A
AB
C
D
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

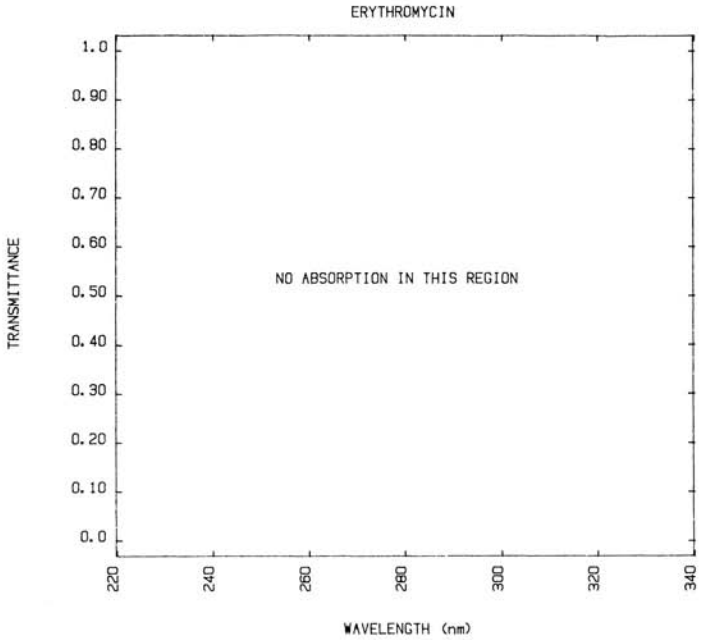
ERYTHROMYCIN

$C_{37}H_{67}NO_{13}$

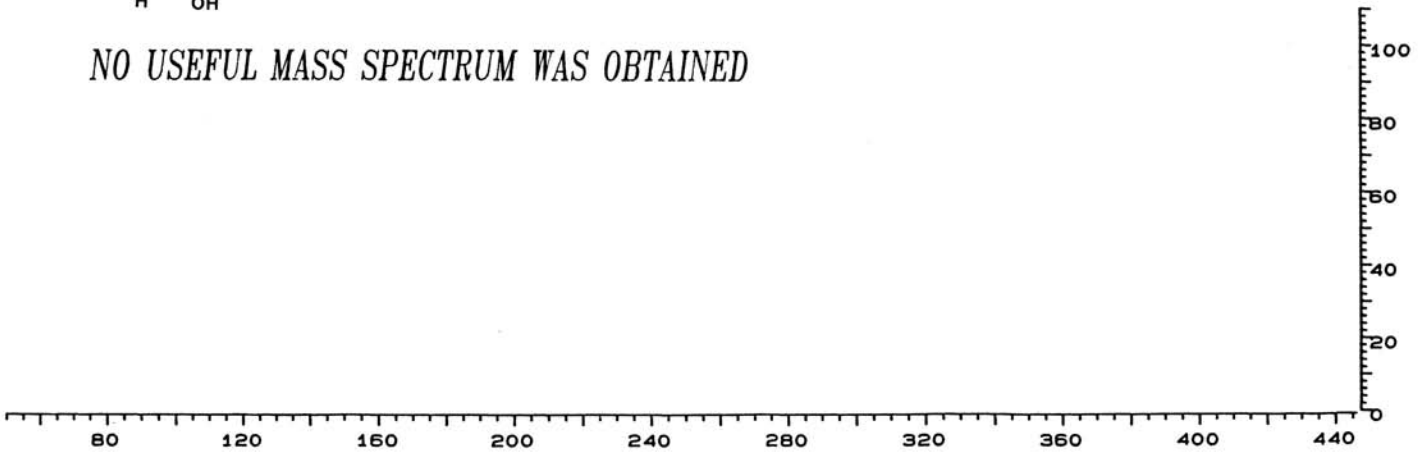
Molecular weight: 733.94 (733.46)
Synonyms: Erythromycin A

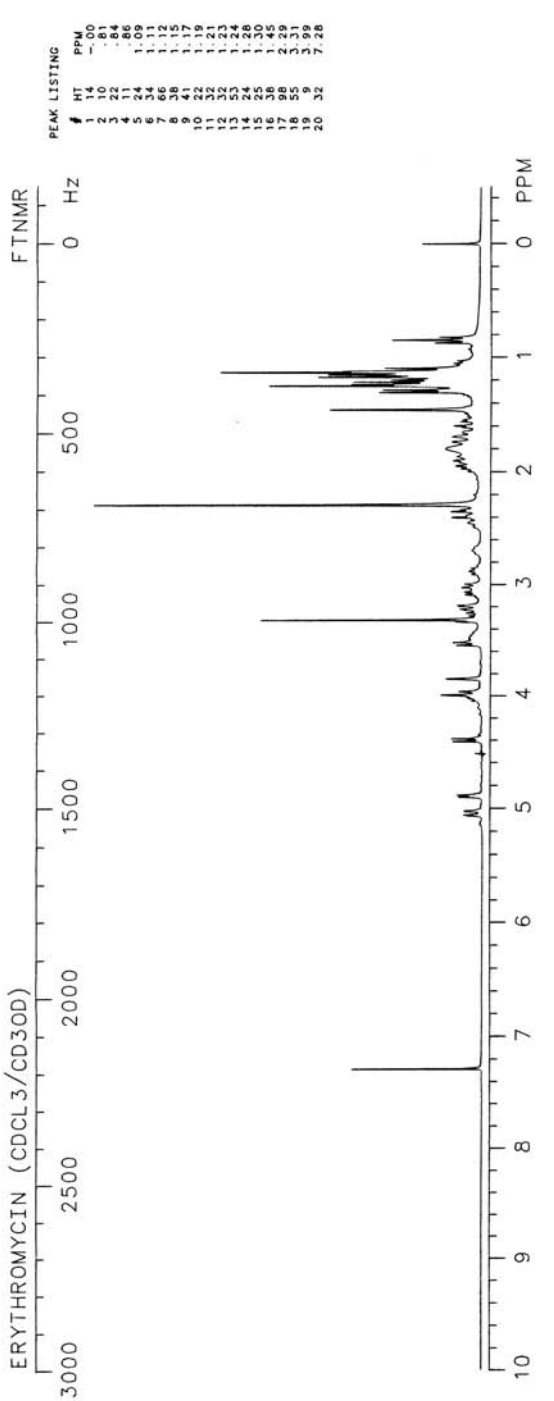
Trade names: A/T/S, Bristamycin, E.E.S., E-Mycin, Eryc, EryDerm, EryPed, Erythrocin, Ilotycin, Pediamycin, Pediazole, Pfizer-E, Robimycin, SK-Erythromycin, Staticin, Wyamycin
Use: Antibacterial
HPLC:
GC:

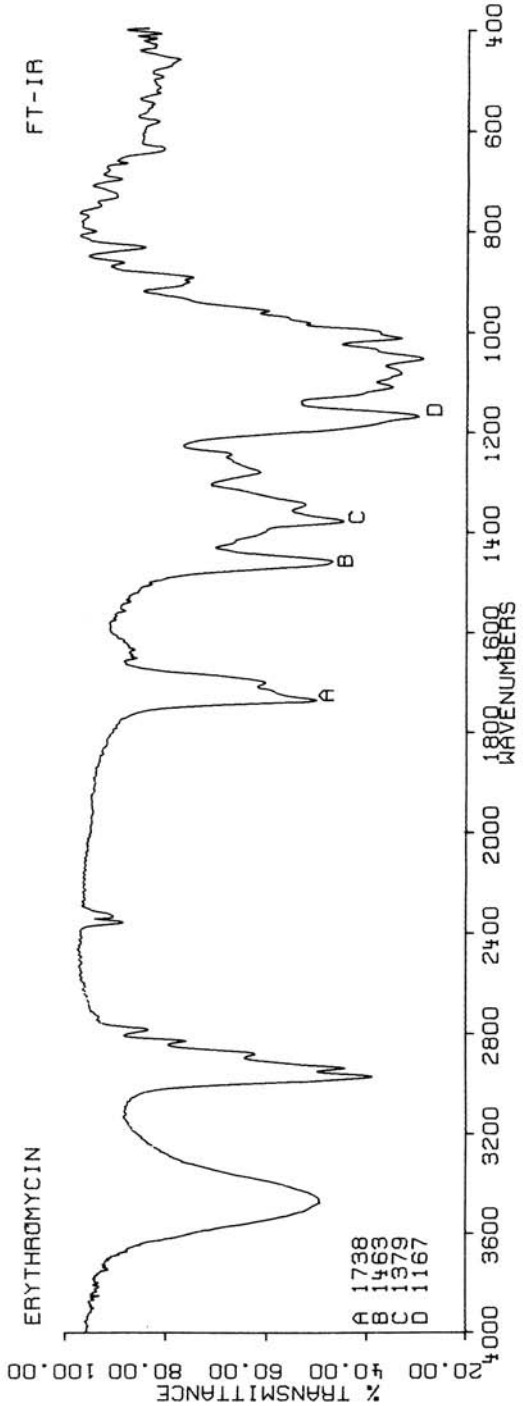




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
ERYTHROMYCIN (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 14 -.00
2 10 -.81
3 22 -.84
4 11 -.86
5 24 1.09
6 34 1.11
7 66 1.12
8 38 1.15
9 41 1.17
10 22 1.19
11 32 1.21
12 32 1.23
13 53 1.24
14 24 1.28
15 25 1.30
16 38 1.45
17 98 2.29
18 55 3.31
19 9 3.39
20 32 7.28
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

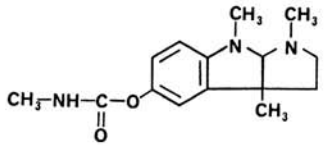

FT-IR
ERYTHROMYCIN
A 1738
B 1463
C 1379
D 1167
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

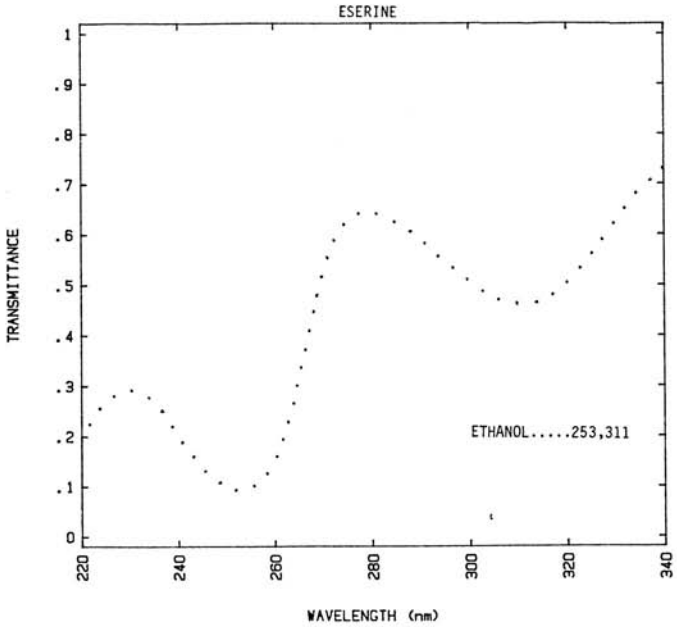
ESERINE

$C_{15}H_{21}N_3O_2$

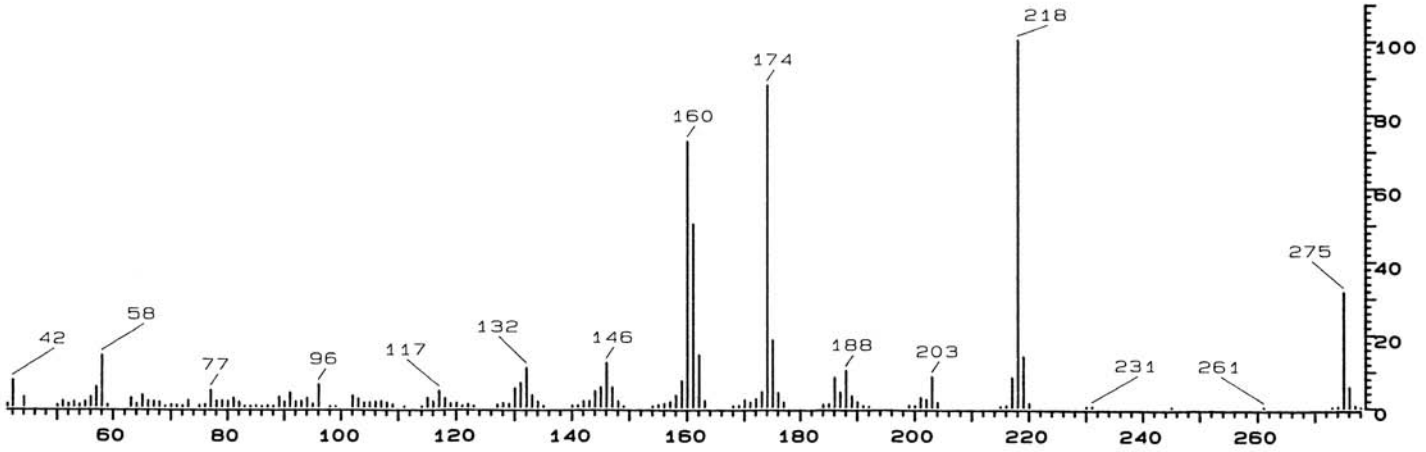
Molecular weight: 275.34 (275.16)
Synonyms: 1,2,3,3a,8,8a-Hexahydro-1,3a,8-trimethylpyrrolo-
[2,3-b]indol-5-ol methylcarbamate ester; physostigmine; physostigmina
Trade names: Eserine, Physostol

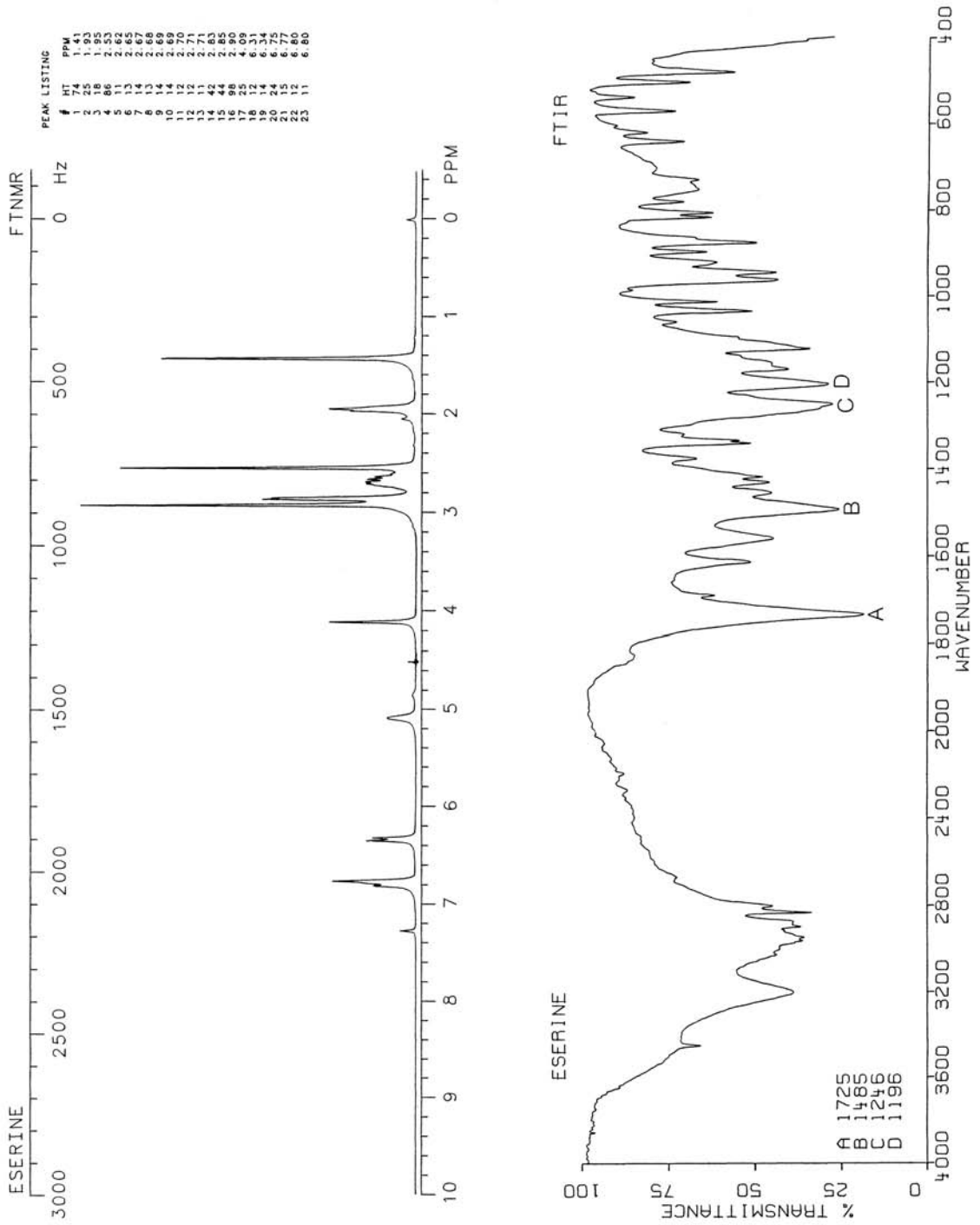
Use: Cholinergic
HPLC: Si-10; 5A:95B; 4.4
GC: 2268; 250°C





ESERINE




ESERINE
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 74 1.41
2 25 1.93
3 18 1.95
4 86 2.53
5 11 2.62
6 13 2.65
7 14 2.67
8 13 2.68
9 14 2.69
10 14 2.69
11 12 2.70
12 12 2.71
13 11 2.71
14 42 2.83
15 44 2.85
16 98 2.90
17 15 4.09
18 12 6.31
19 14 6.34
20 24 6.75
21 15 6.77
22 12 6.80
23 11 6.80
ESERINE
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 1485
C 1246
D 1196

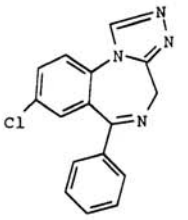
ESTAZOLAM

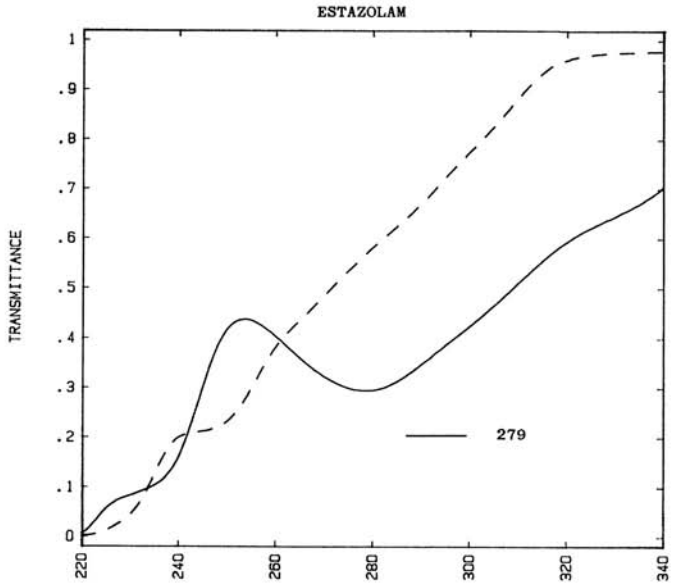
$C_{16}H_{11}N_4Cl$

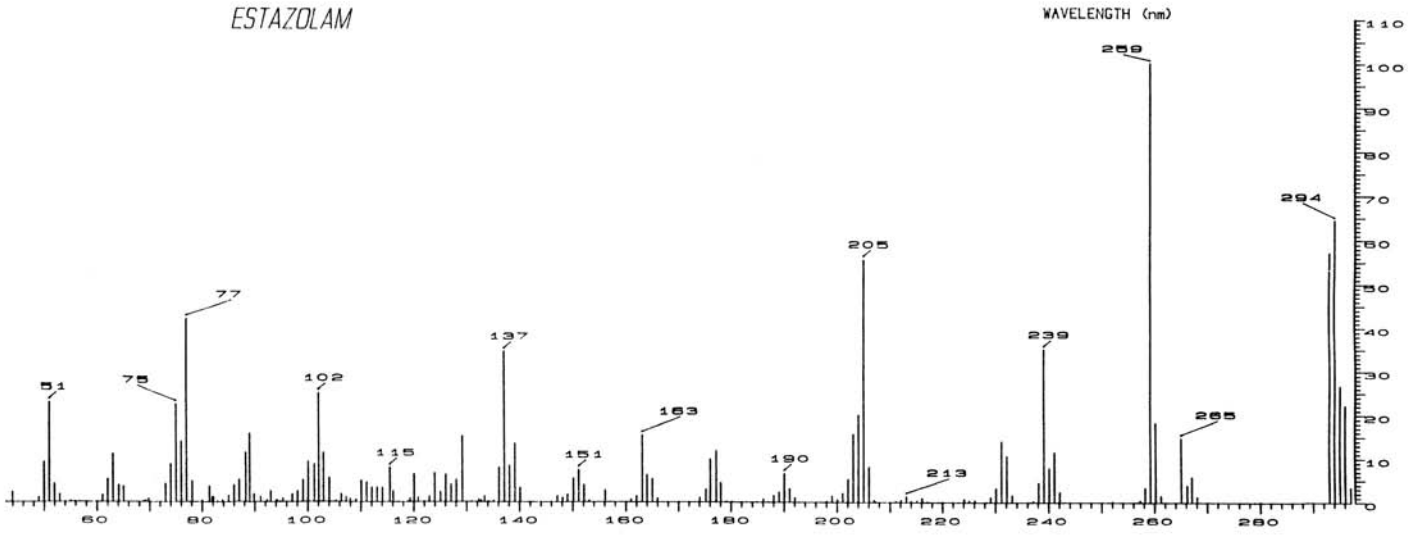
Molecular weight: 294.75 (294.07)

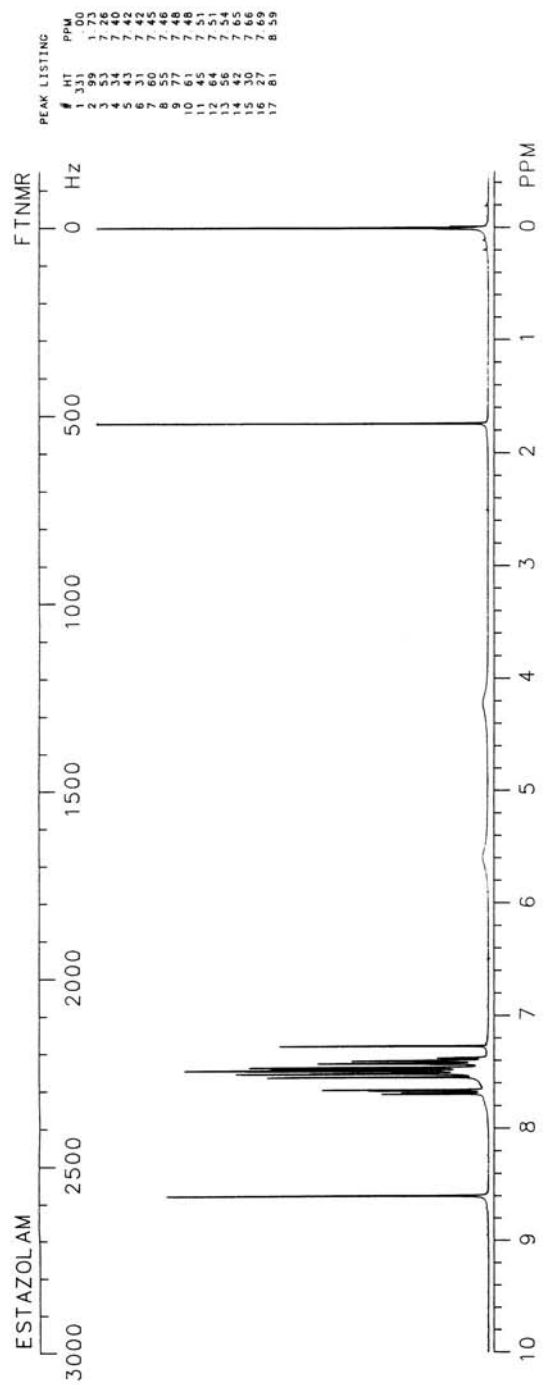
Synonyms: 8-Chloro-6-phenyl-4H-[1,2,4]-triazolo[4,3-a]-[1,4]benzodiazepine
Trade names: Esilgan, Eurudin, Julodin, Nuctalon, Somnatrol

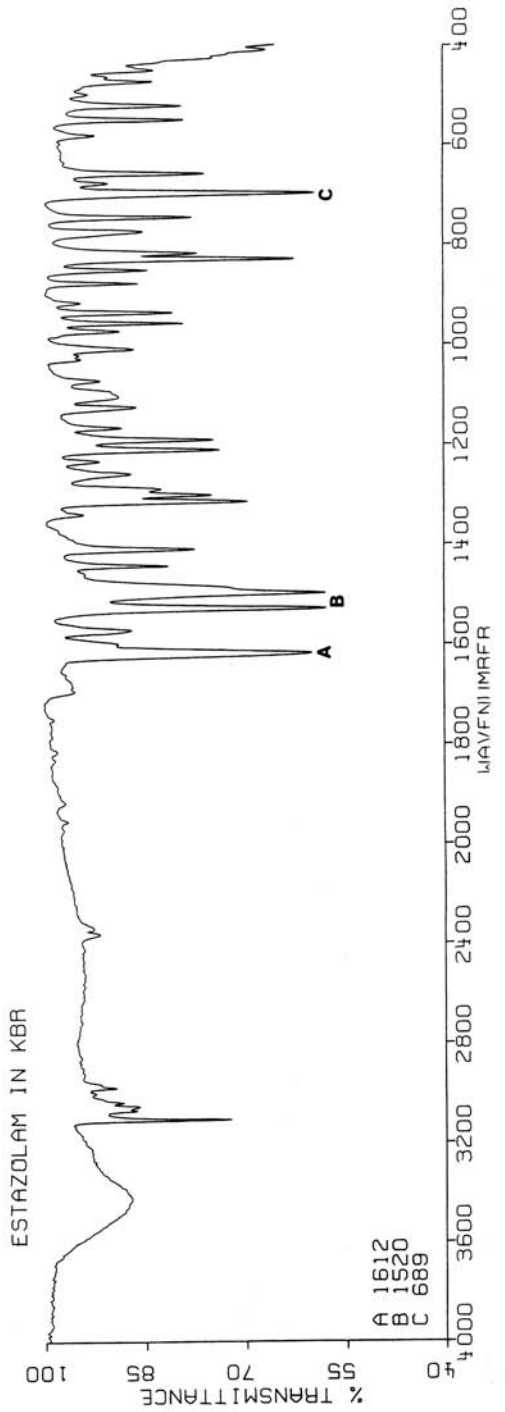
Use: Sedative, hypnotic
HPLC:
GC: 2928; 280°







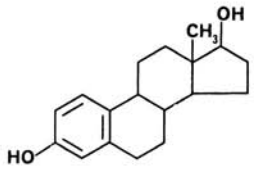

ESTAZOLAM
FTNMR
PEAK LISTING
HT PPM
1 331 1.70
2 89 1.73
3 89 7.26
4 34 7.40
5 43 7.42
6 31 7.42
7 60 7.45
8 55 7.46
9 57 7.48
10 61 7.48
11 45 7.51
12 64 7.51
13 56 7.54
14 42 7.65
15 30 7.66
16 27 8.59
17 81 8.59
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

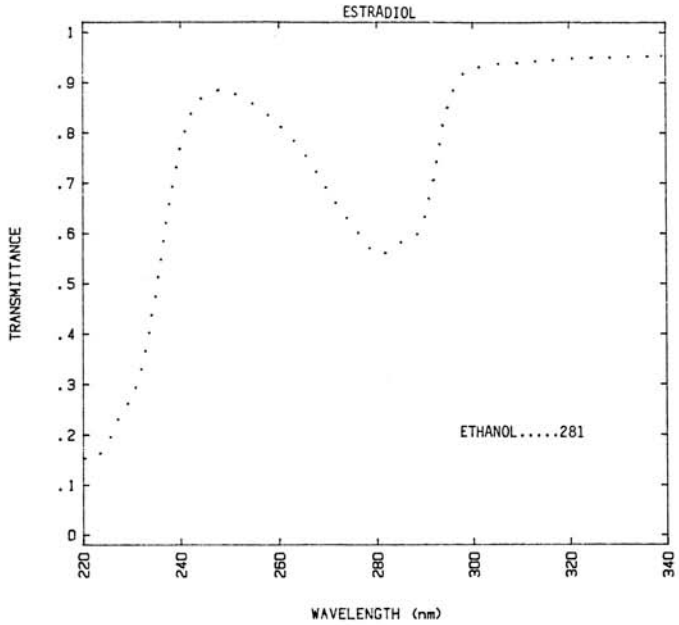

ESTAZOLAM IN KBR
A 1612
B 1520
C 689
A
B
C
100 85 70 55 40
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

ESTRADIOL

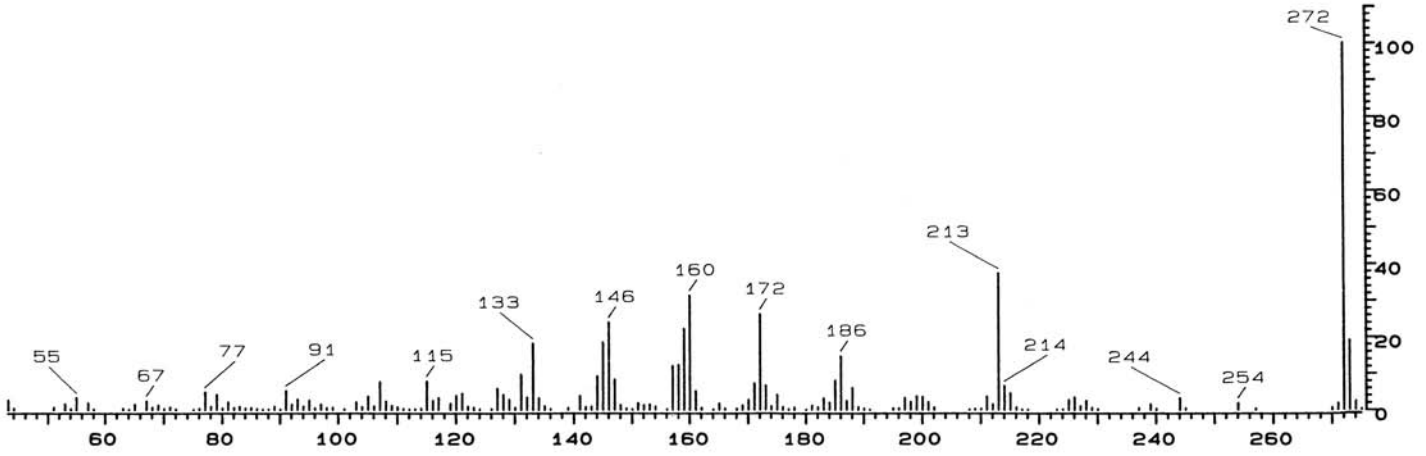
$C_{18}H_{24}O_2$

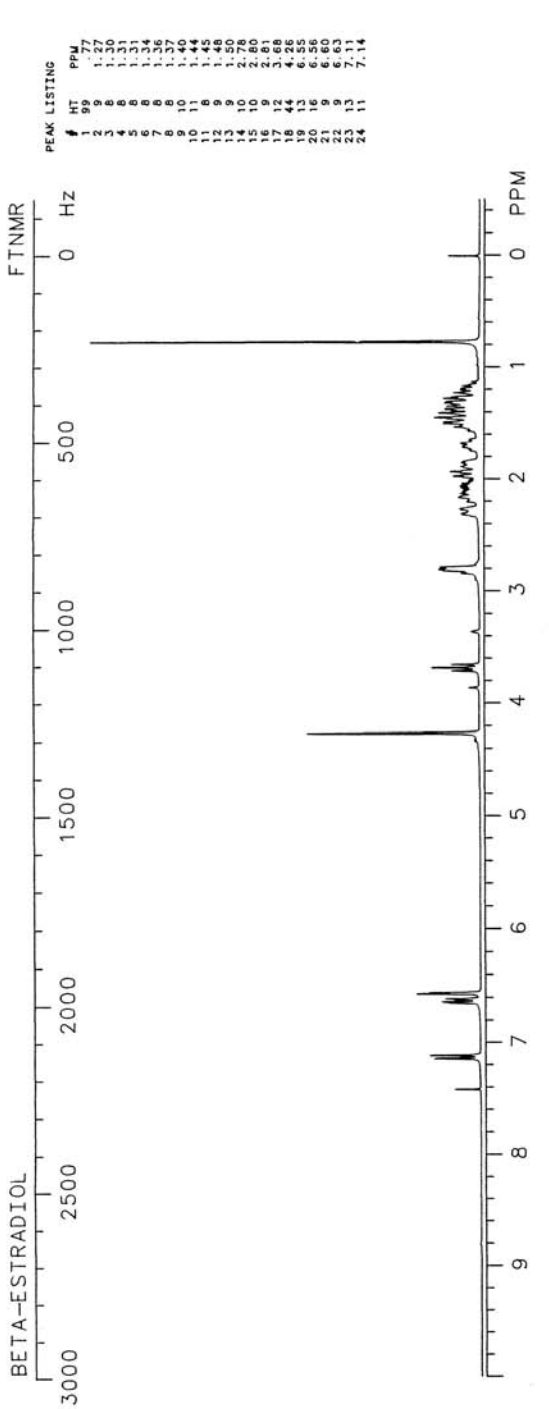
Molecular weight: 272.37 (272.18)
Synonyms: Estra-1,3,5(10)-triene-3,17-diol; dihydroxyestrin; dihydrotheelin; oestradiol
Trade names: Dimenformon, Diogyn, Estrace, Estrovite, Ovasterol, Ovahorman, Ovocyclin, Perlatanol, Provest, Primofol, Profoliol
Use: Estrogen
HPLC:
GC: 2619; 250°C

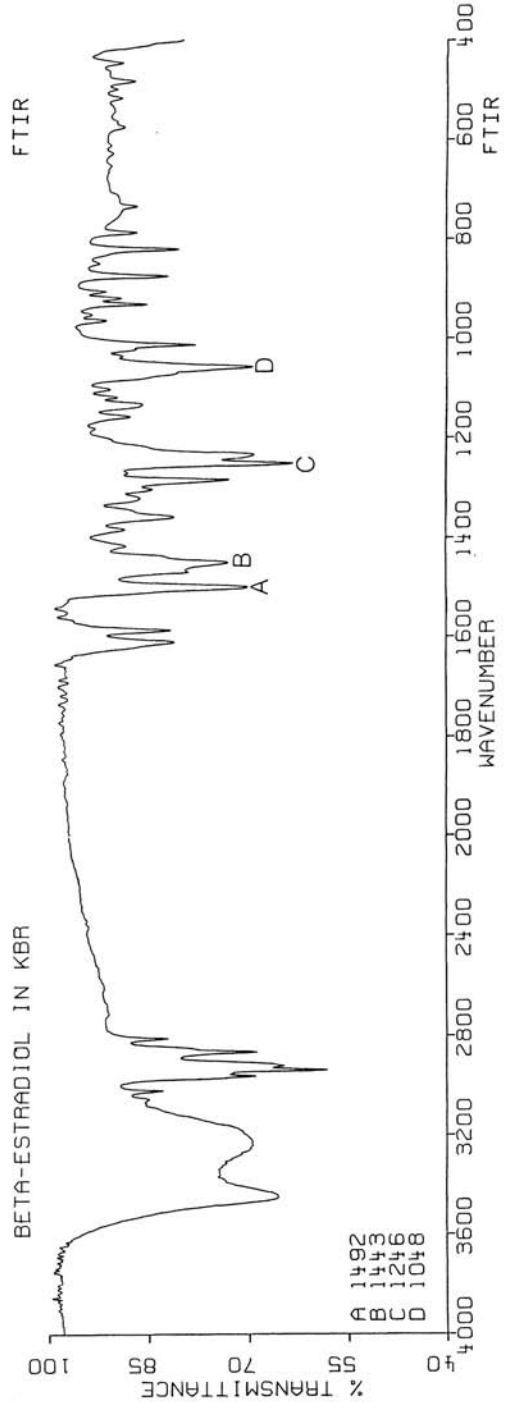




ESTRADIOL



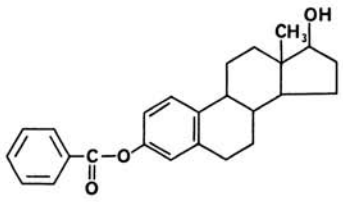

BETA-ESTRADIOL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 99 .77
2 9 1.27
3 8 1.30
4 8 1.31
5 8 1.31
6 8 1.34
7 8 1.36
8 8 1.37
9 10 1.40
10 11 1.44
11 8 1.45
12 8 1.46
13 9 1.50
14 10 2.78
15 10 2.80
16 9 2.81
17 12 3.68
18 44 4.25
19 13 6.55
20 16 6.56
21 9 6.60
22 9 6.63
23 13 7.11
24 11 7.14
9 8 7 6 5 4 3 2 1 0 PPM

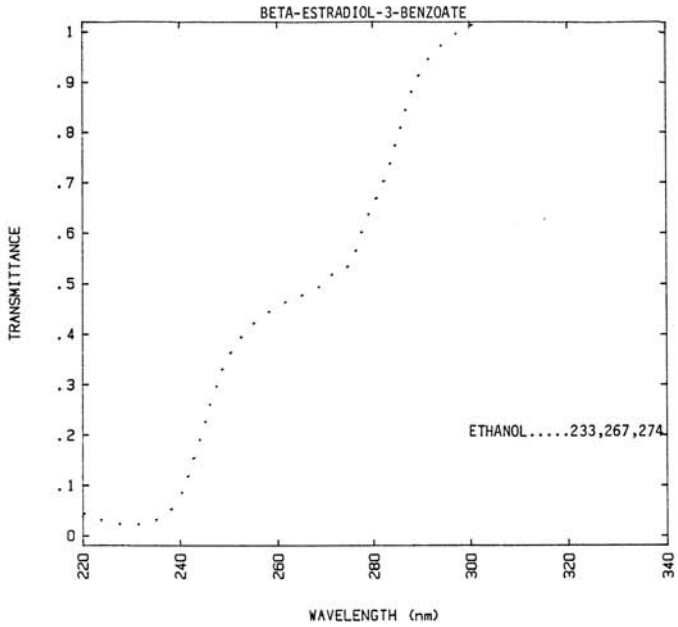

BETA-ESTRADIOL IN KBR
FTIR
% TRANSMITTANCE
100
85
70
55
40
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
FTIR
A 1492
B 1443
C 1246
D 1048
A
B
C
D

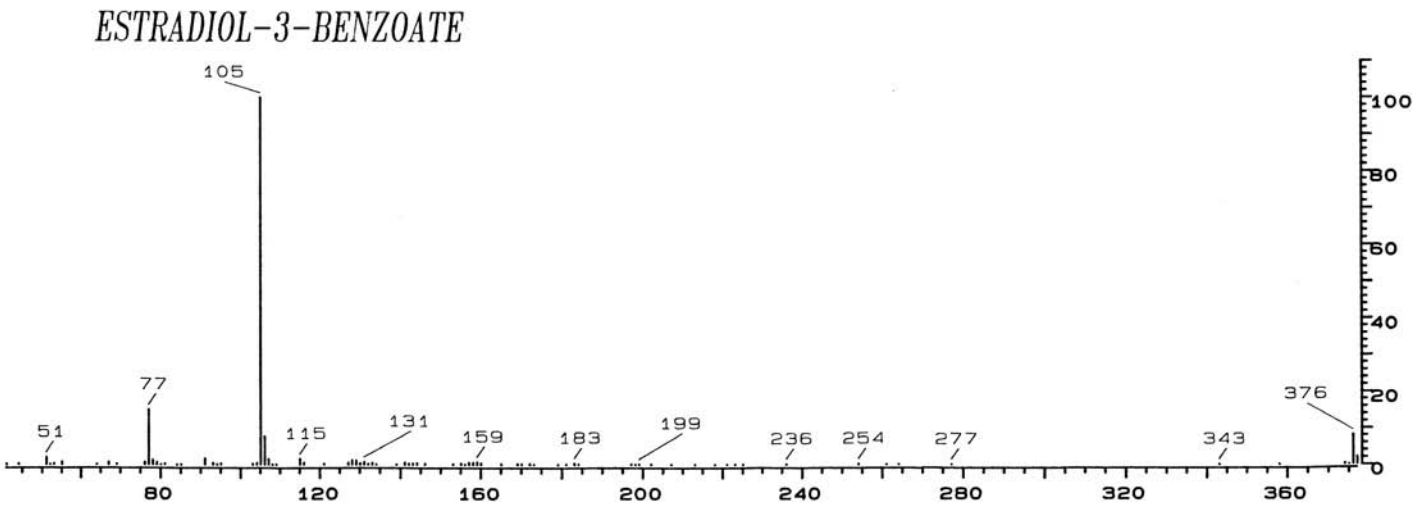
ESTRADIOL-3-BENZOATE

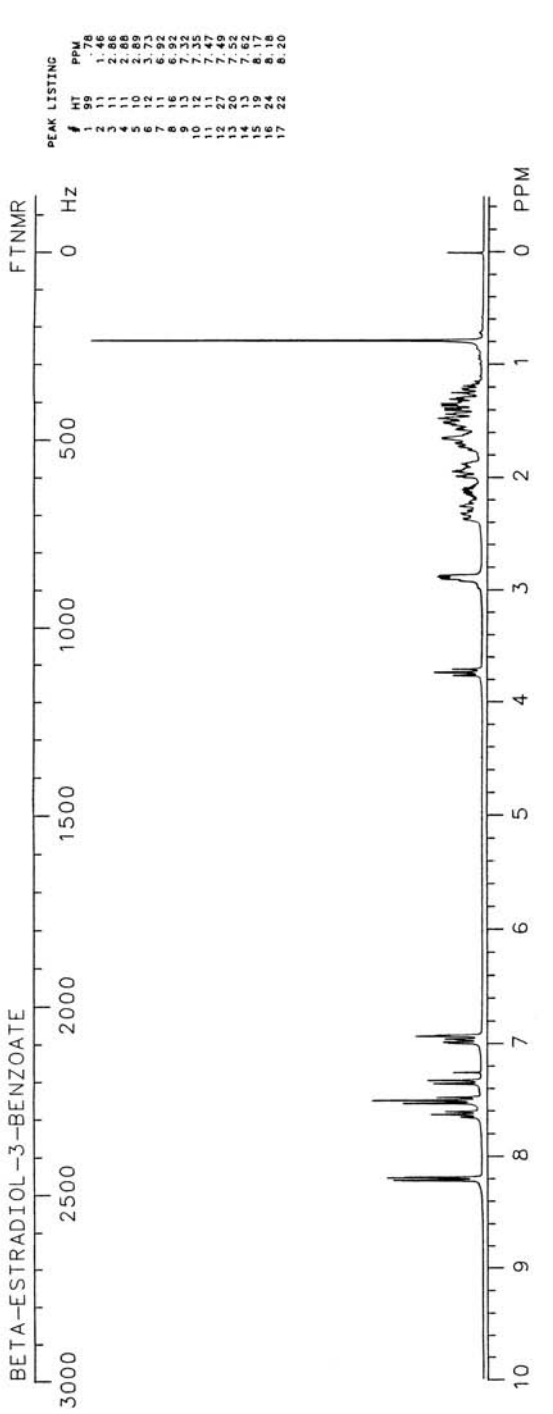
$C_{25}H_{28}O_3$

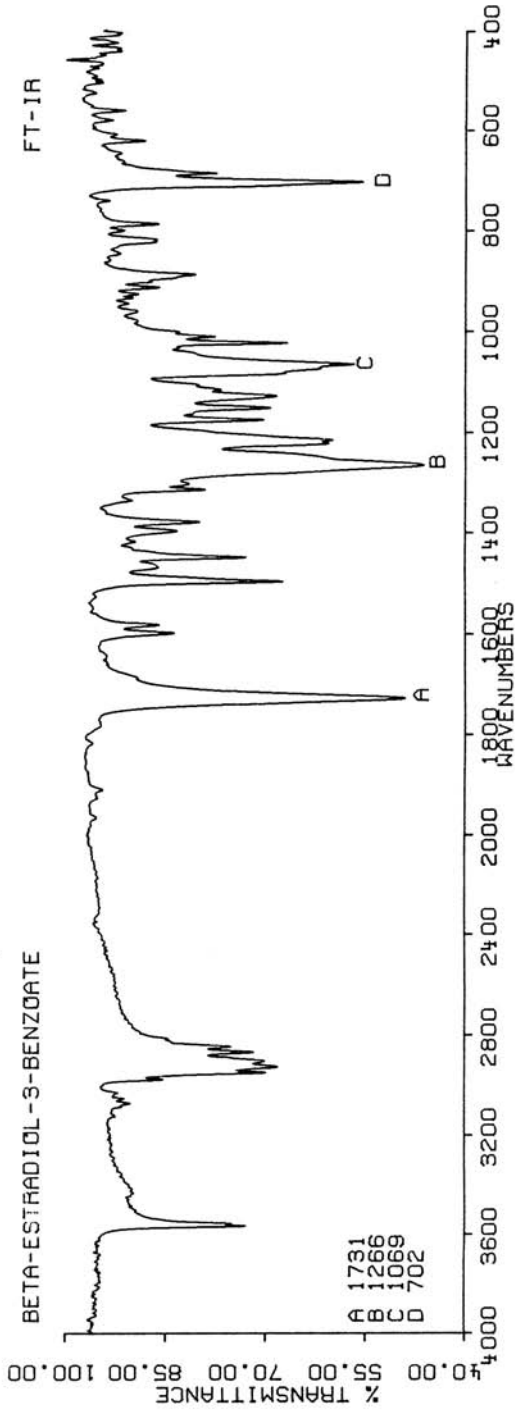
Molecular weight: 376.50 (376.20)
Synonyms: β-Estradiol-3-benzoate; oestradiol monobenzoate; 3-benzoyloxyoestra-1,3,5(N)-trien-17β-ol
Trade names: Benovocylin, Benzofoline, Difolliculine, Diogyn-B, Estron-B, Femestrone, Hidroestron, Hormogynon, Oestroform, Ovex, Recthormone,
Use:
HPLC: Si-10; 100B; 4.2
GC: 3347; 280°C








BETA-ESTRADIOL-3-BENZOATE
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 .78
2 11 1.46
3 11 2.86
4 11 2.88
5 10 2.89
6 12 3.73
7 11 6.92
8 16 6.92
9 13 7.32
10 12 7.35
11 11 7.47
12 27 7.49
13 20 7.52
14 13 7.62
15 19 8.17
16 24 8.18
17 22 8.20

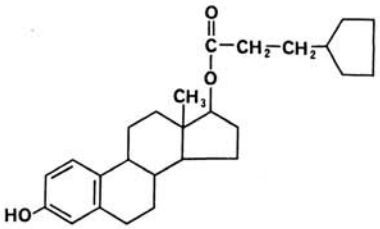

BETA-ESTRADIOL-3-BENZOATE
FT-IR
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1731
B 1266
C 1069
D 702
A
B
C
D

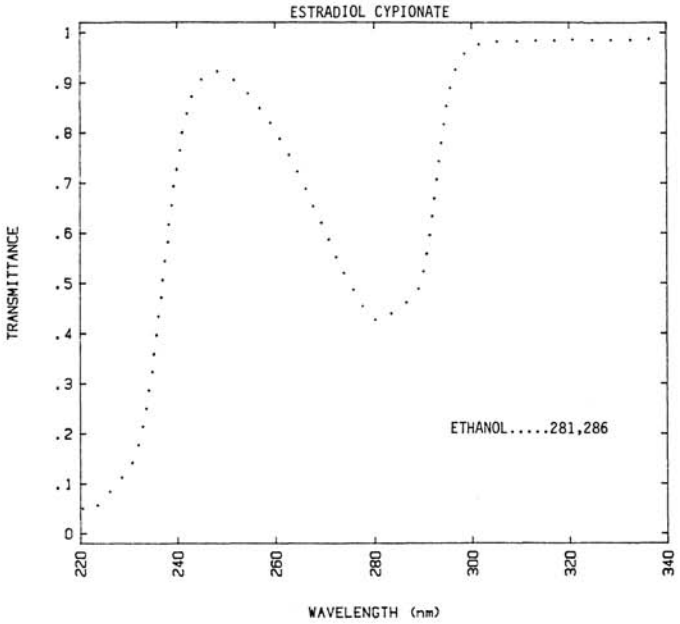
ESTRADIOL CYPIONATE

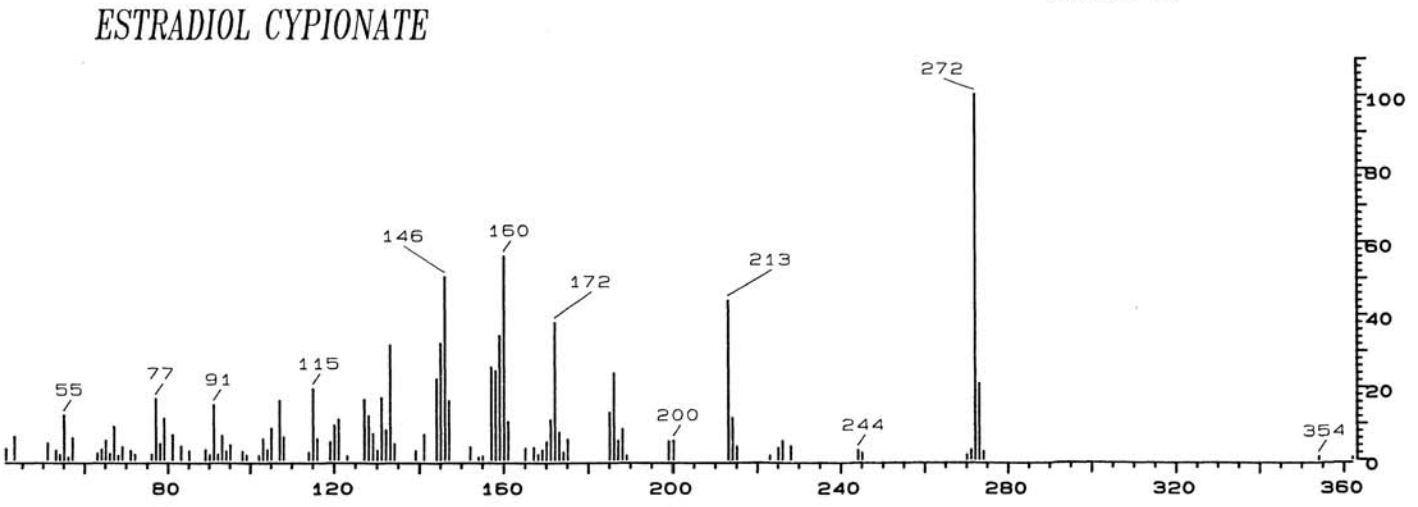
$C_{26}H_{36}O_3$

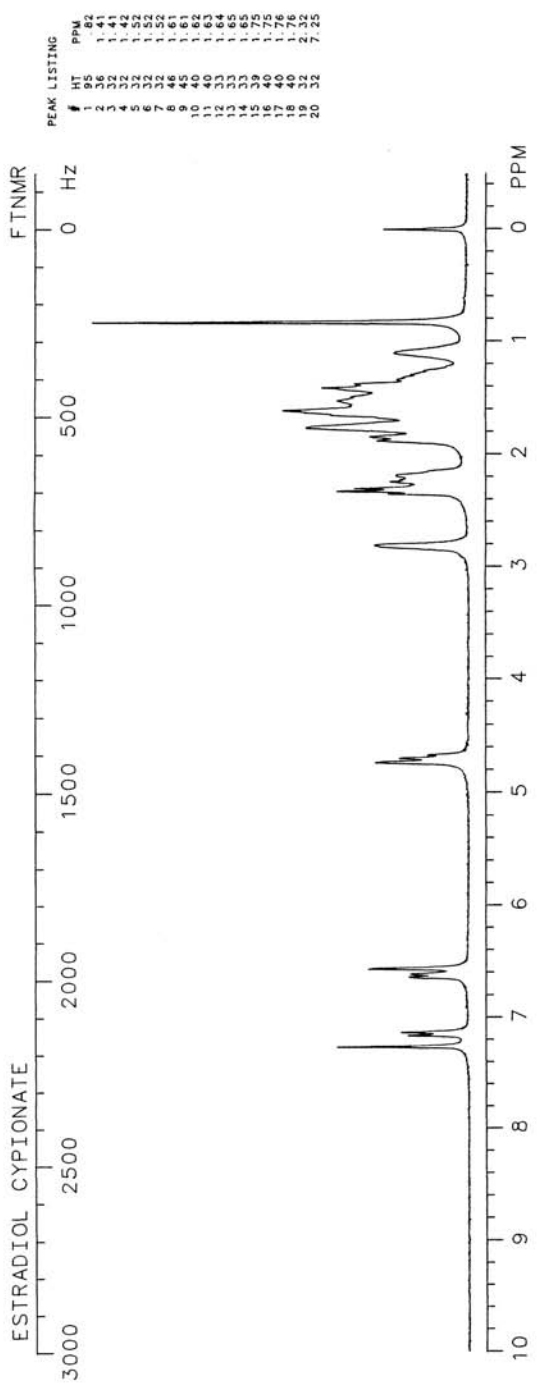
Molecular weight: 396.55 (396.27)
Synonyms: Estradiol-17β-cyclopentanepropionate; oestradiol cyclopentyl-propionate; 17β-(3-cyclopentyl)propionyloxyoestra-1,3,5(N)-trien-3-ol
Trade names: E-Cypionate, T-E-Cypionate

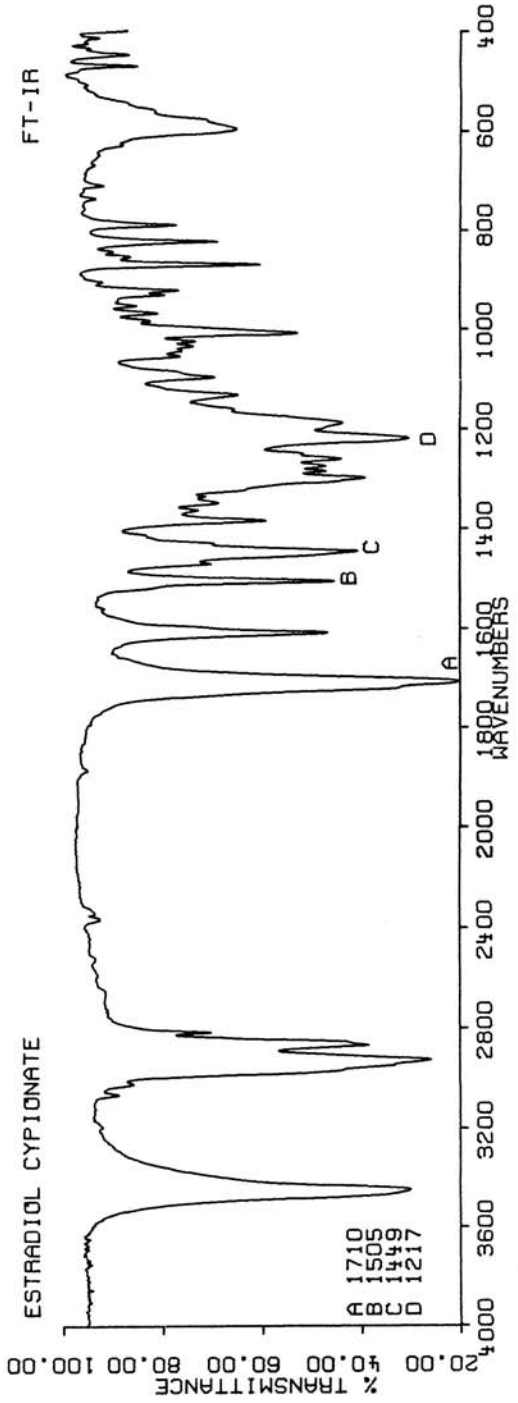
Use: Estrogen
HPLC: Si-10; 100B; 4.1
GC: 3330; 280°C







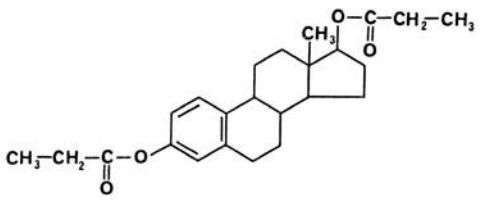

ESTRADIOL CYPIONATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 95 .82
2 36 1.41
3 36 1.41
4 32 1.42
5 32 1.52
6 32 1.52
7 32 1.52
8 46 1.61
9 45 1.61
10 40 1.62
11 40 1.63
12 33 1.64
13 33 1.65
14 33 1.65
15 39 1.75
16 40 1.75
17 40 1.76
18 40 1.76
19 32 2.32
20 32 7.25
10 9 8 7 6 5 4 3 2 1 0 PPM

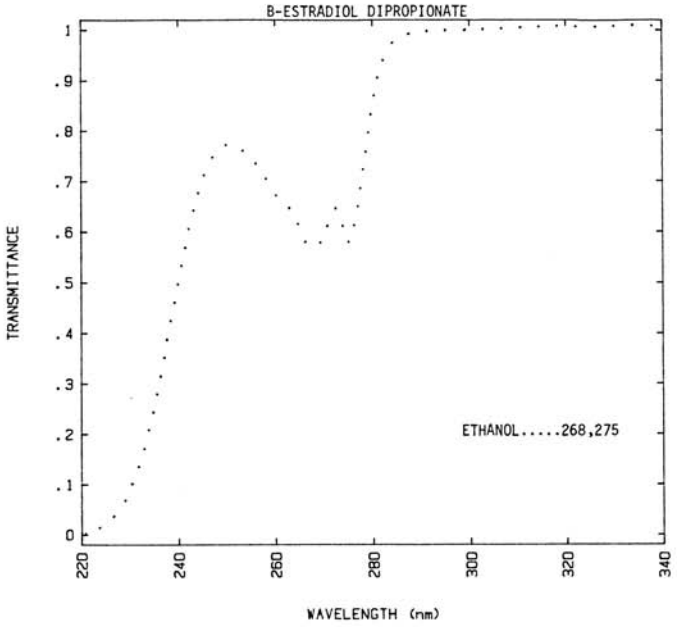

ESTRADIOL CYPIONATE
FT-IR
A 1710
B 1505
C 1449
D 1217
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

ESTRADIOL DIPROPIONATE

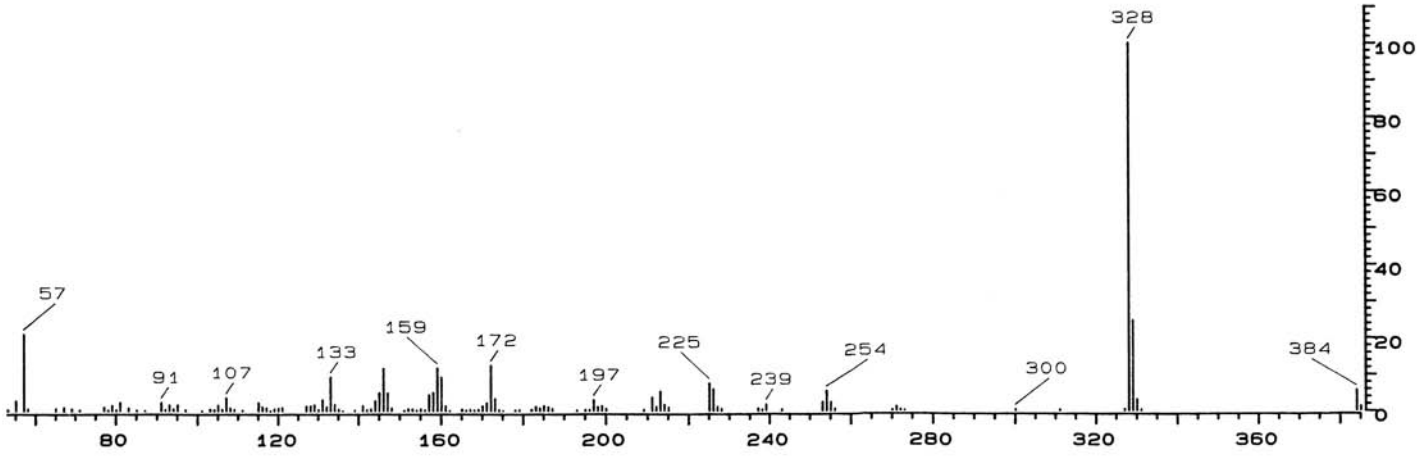
$C_{24}H_{32}O_4$

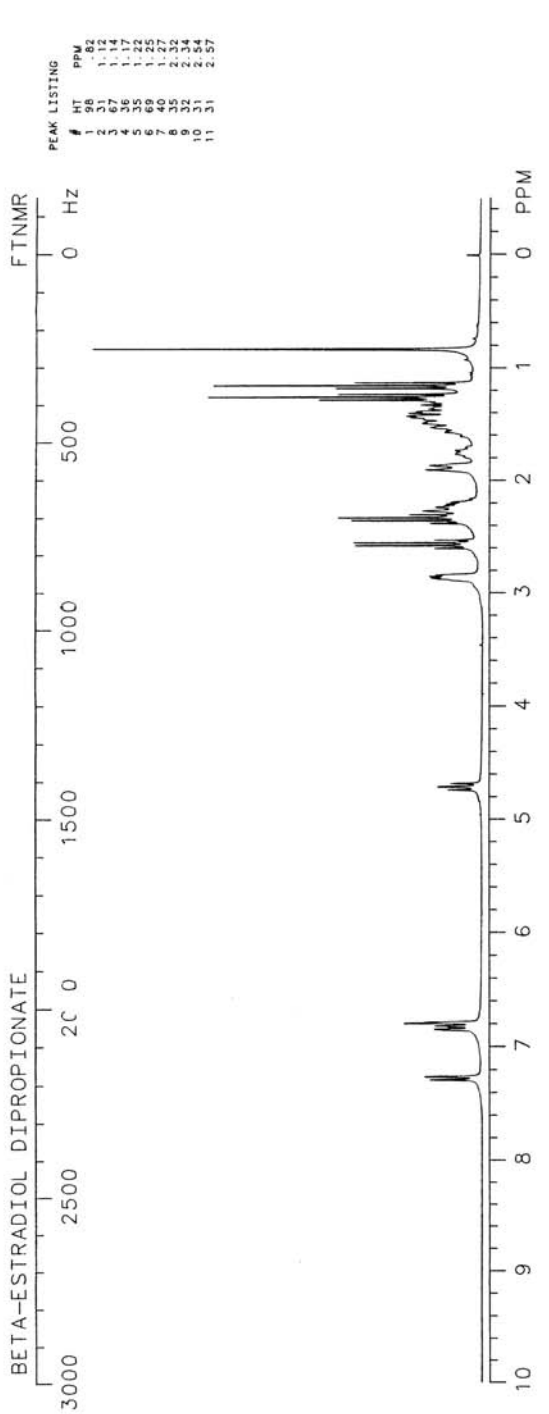
Molecular weight: 384.49 (384.23)
Synonyms: Estradiol-3,17β-dipropionate; 3,17β-dipropionyloxyoestra-1,3,5(10)-triene
Trade names: Agofollin, Dimenformon Dipropionate, Diovocylin, Ovocyclin, Ovocyclin-P, Progynon-DP
Use: Estrogen
HPLC:
GC: 3101; 280°C

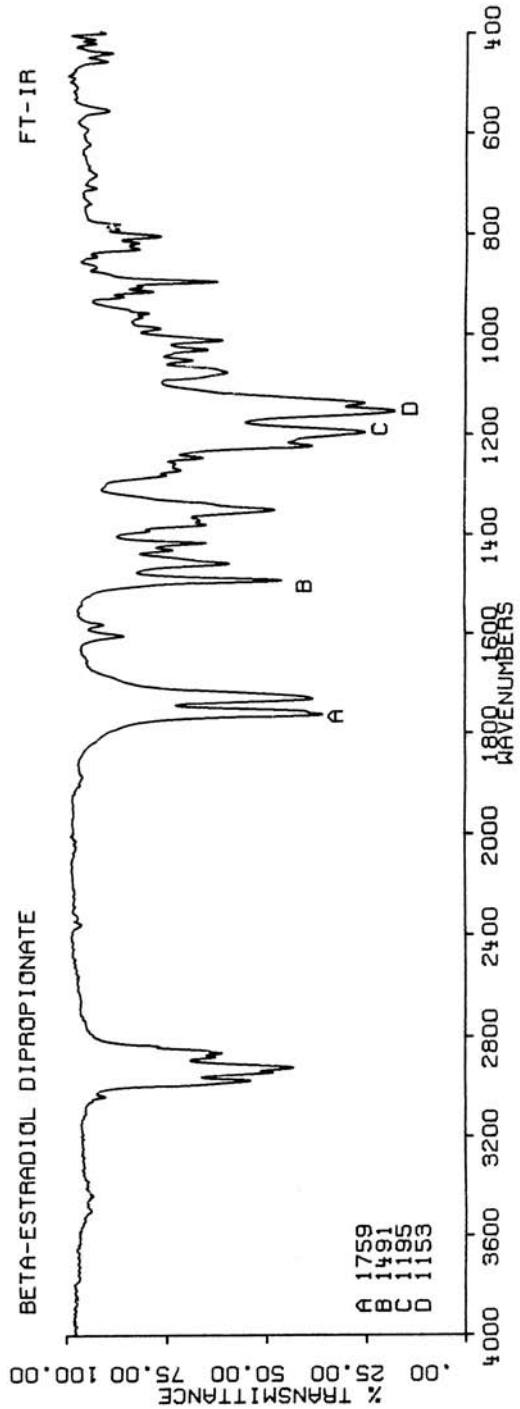




ESTRADIOL DIPROPIONATE




BETA-ESTRADIOL DIPROPIONATE
FTNMR
3000
2500
2C 0
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 98 .82
2 31 1.12
3 67 1.14
4 36 1.17
5 35 1.22
6 69 1.25
7 40 1.27
8 35 2.32
9 32 2.34
10 31 2.54
11 31 2.57

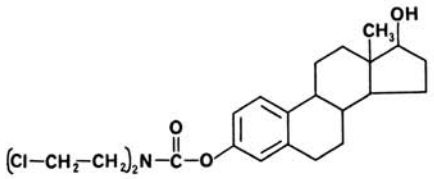

BETA-ESTRADIOL DIPROPIONATE
FT-IR
% TRANSMITTANCE
.00
25.00
50.00
75.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D
A 1759
B 1491
C 1195
D 1153

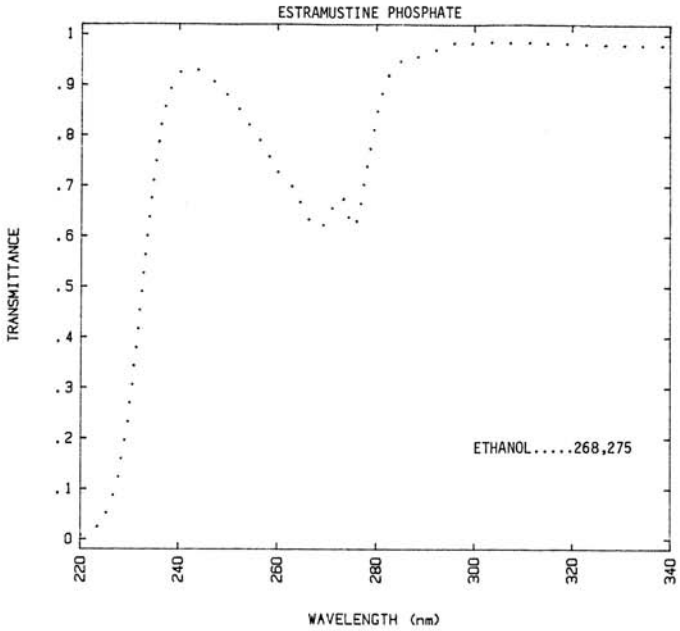
ESTRAMUSTINE

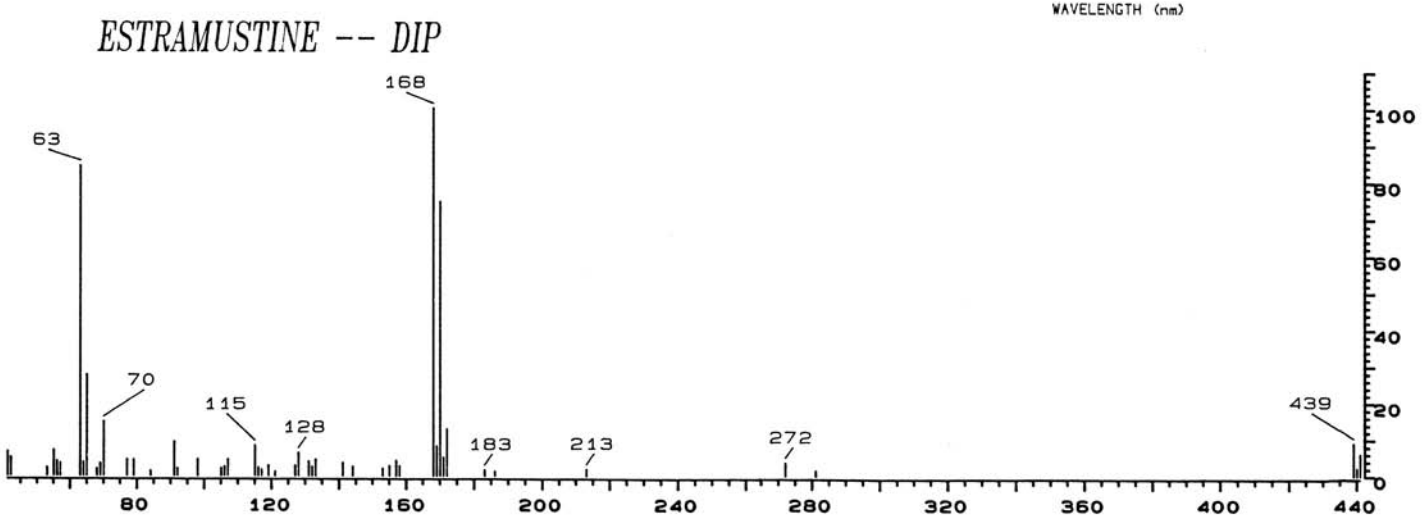
$C_{23}H_{31}Cl_2NO_3$

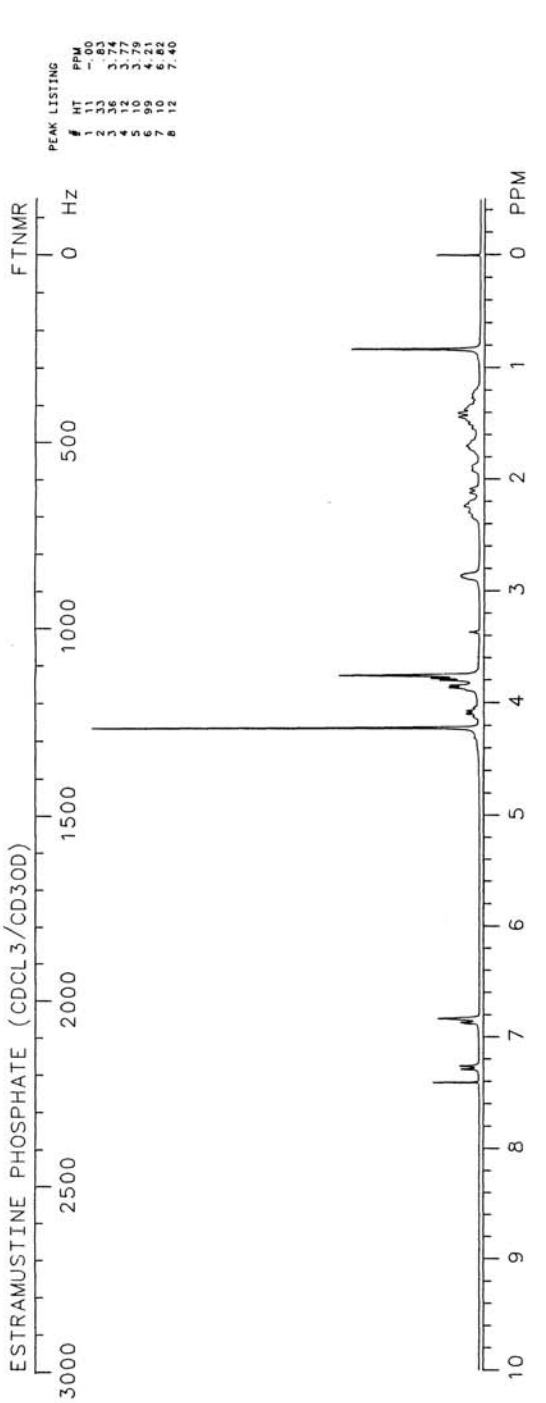
Molecular weight: 440.41 (439.17)
Synonyms: Estra-1,3,5(10)-triene-3,17-diol-3-[bis(2-chloroethyl)-carbamate]
Trade names: Emcyt

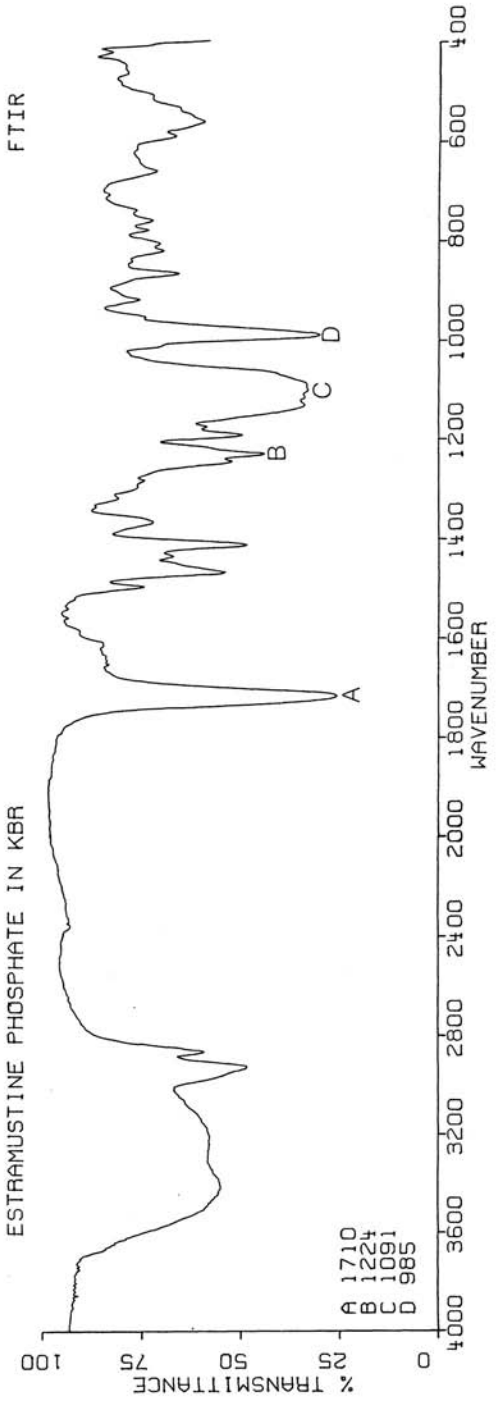
Use: Antineoplastic
HPLC:
GC:







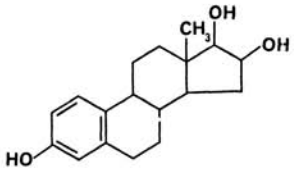

ESTRAMUSTINE PHOSPHATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 11 -.00
2 13 .83
3 36 3.64
4 12 3.77
5 10 3.79
6 99 4.21
7 10 6.82
8 12 7.40
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

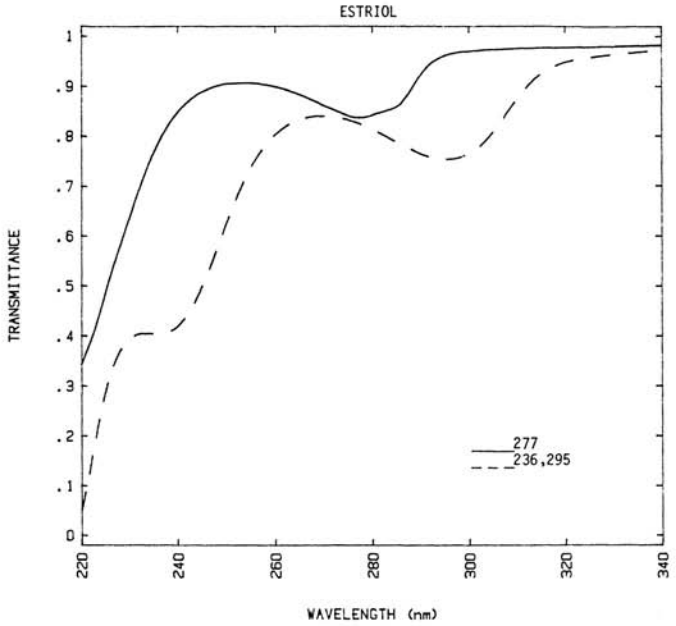

ESTRAMUSTINE PHOSPHATE IN KBR
FTIR
A 1710
B 1224
C 1091
D 985
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

ESTRIOL

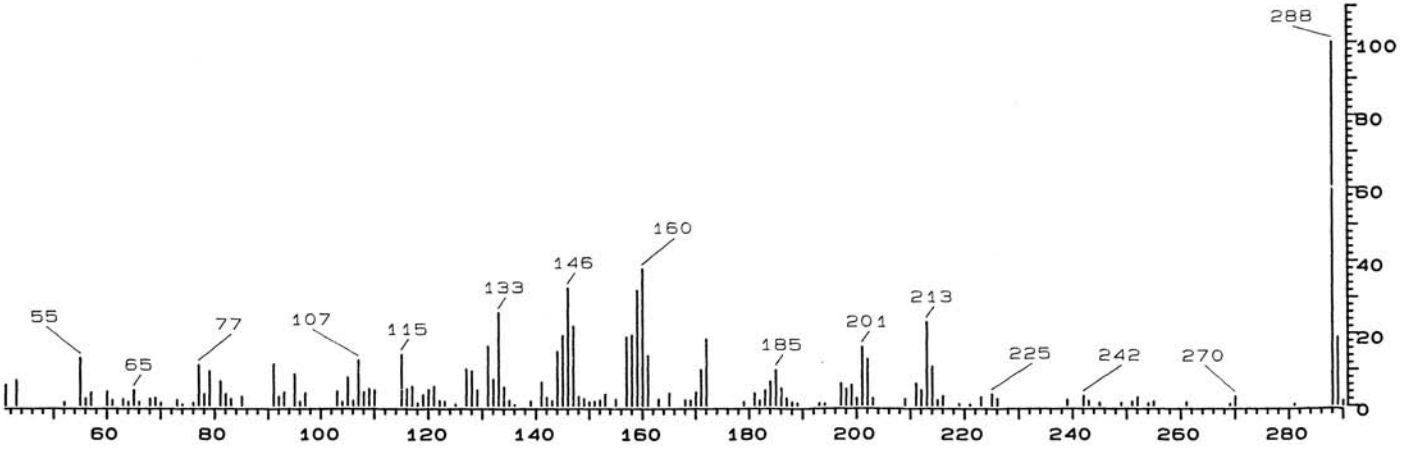
$C_{18}H_{24}O_3$

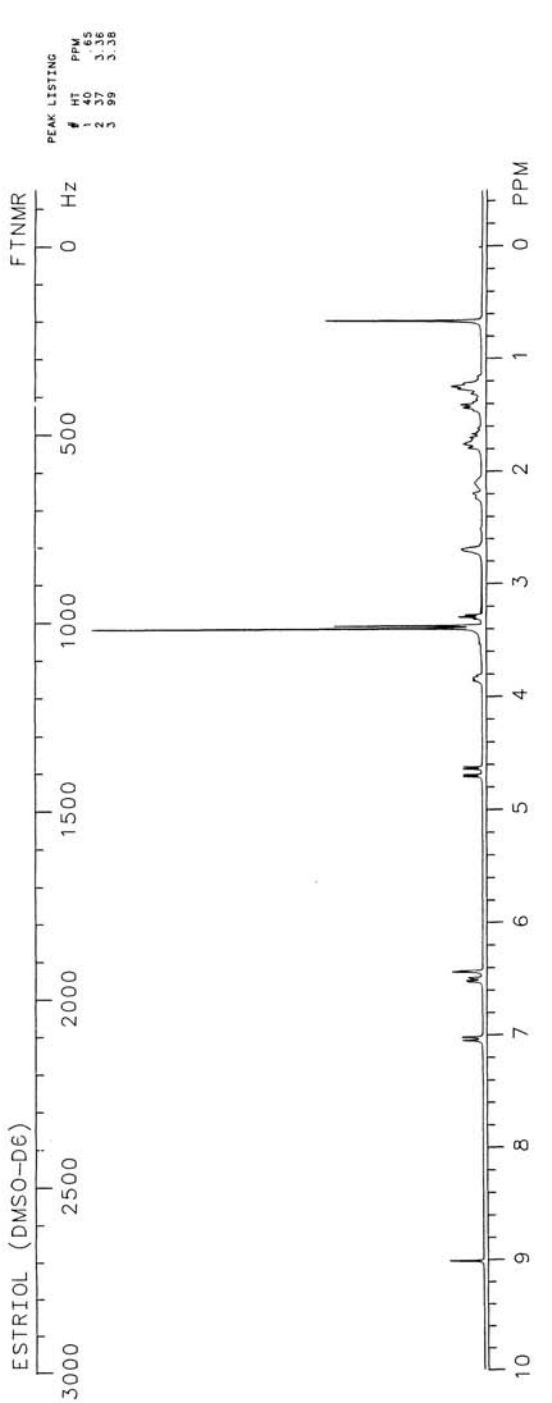
Molecular weight: 288.37 (288.17)
Synonyms: Estra-1,3,5(10)-triene-3,16α,17β-triol; oestriol; trihydroxyestrin
Trade names: Aacifemine, Destriol, Hormomed, Klimoral, Orgastyptin, Ovesterin, Ovestin, Stiptanon, Theelol, Tridestrin, Triovex
Use: Estrogen
HPLC: Si-10; 2A:98B; 9.6
GC: 2903; 280°C

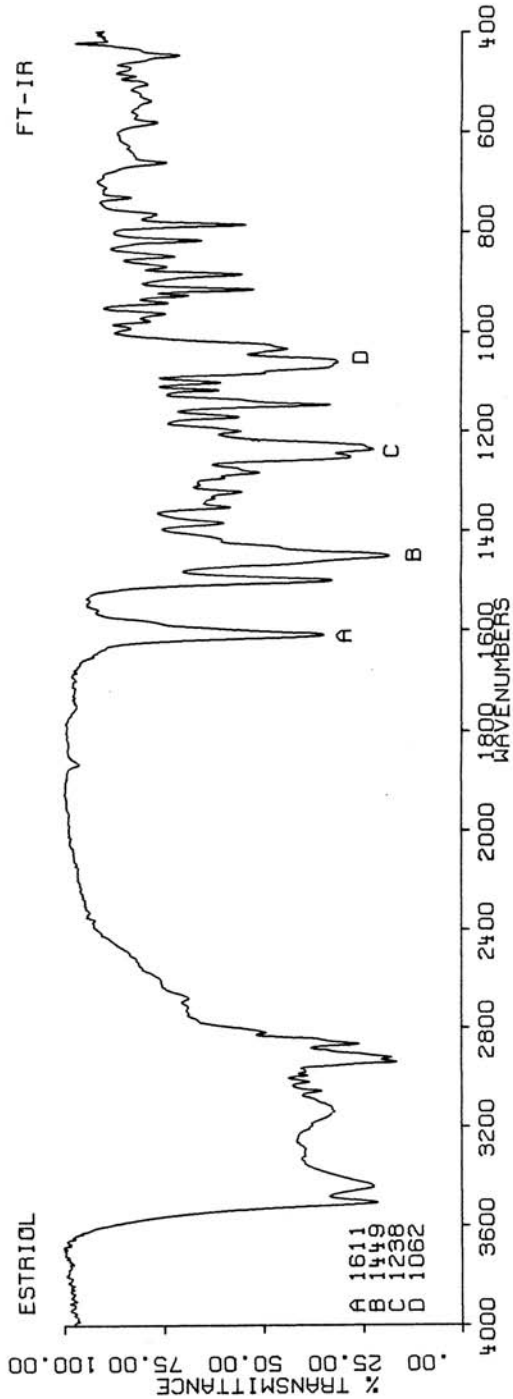




ESTRIOL



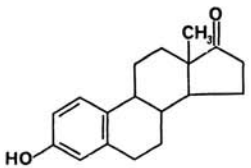

ESTRIOL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 40 .65
2 37 3.36
3 99 3.38
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

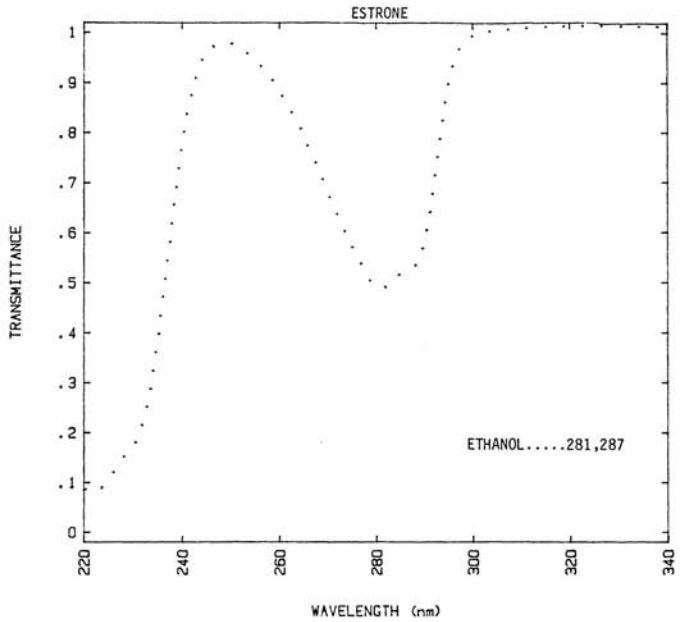

ESTRIOL
FT-IR
A 1611
B 1449
C 1238
D 1062
A
B
C
D
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

ESTRONE

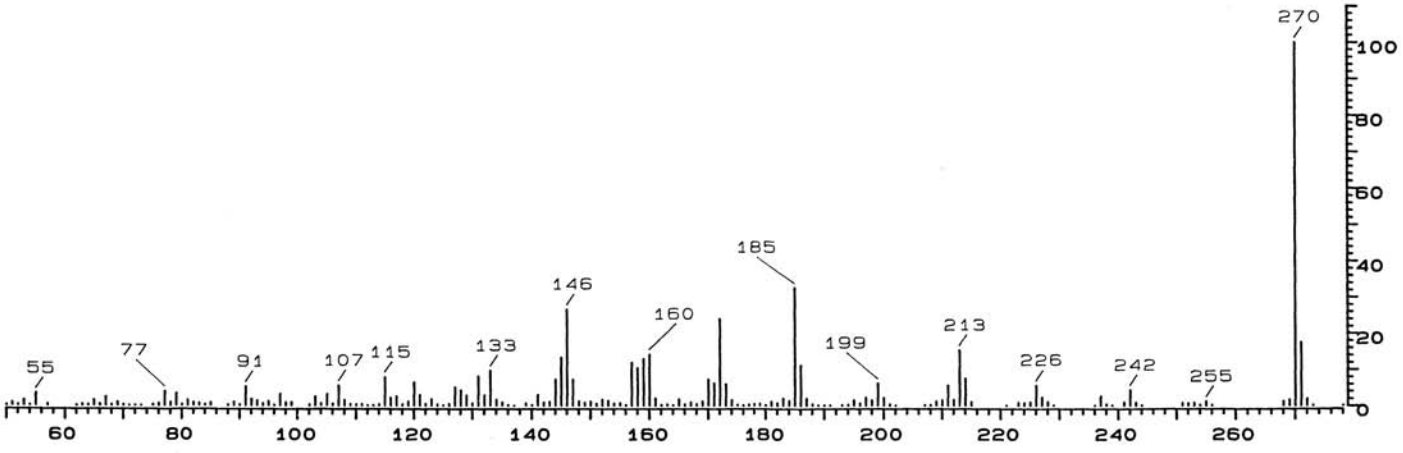
$C_{18}H_{22}O_2$

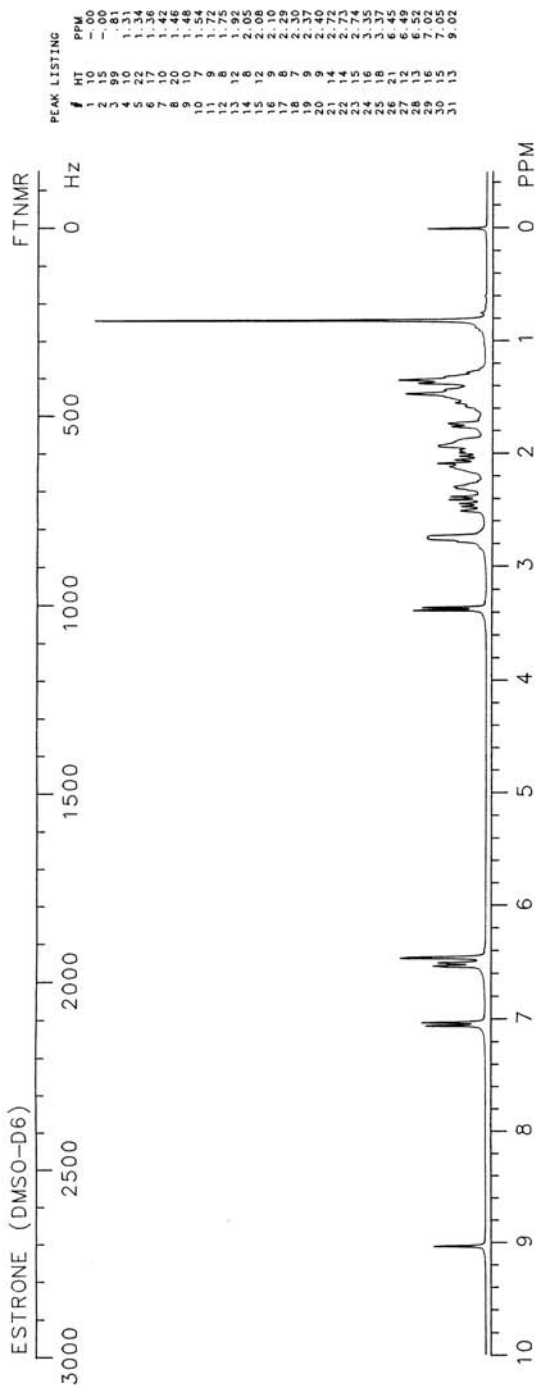
Molecular weight: 270.36 (270.16)
Synonyms: 3-Hydroxyestra-1,3,5(10)-trien-17-one; oestrone; folliculin; ketohydroxyoestrin
Trade names: Estrone, Femogen, Hormonin, Kolpon, Natural Estrogenic Substance, Ogen, Oestrilin
Use: Estrogen
HPLC:
GC: 2607; 250°C

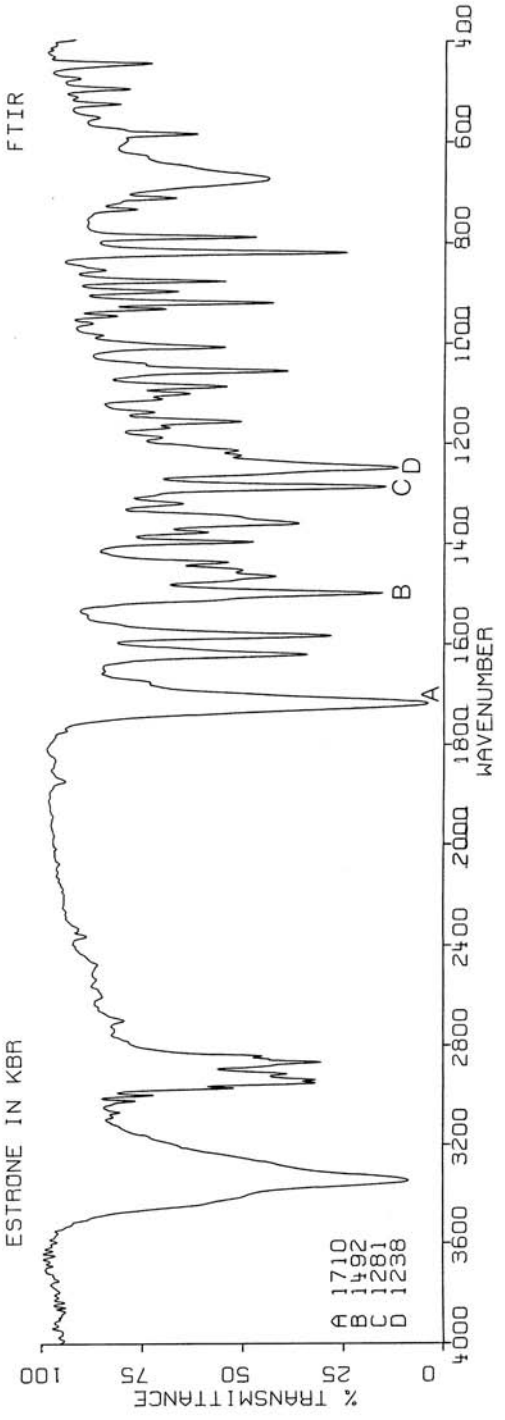




ESTRONE



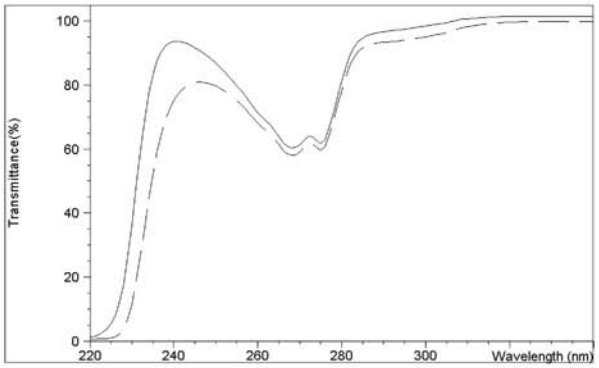

FTNMR
ESTRONE (DMSO-D6)
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 10 PPM
PEAK LISTING
HT PPM
1 10 -.00
2 15 -.00
3 99 .81
4 10 1.31
5 22 1.34
6 17 1.36
7 10 1.42
8 20 1.46
9 10 1.48
10 7 1.54
11 9 1.72
12 8 1.75
13 12 1.92
14 8 2.05
15 12 2.08
16 9 2.10
17 8 2.29
18 7 2.30
19 9 2.37
20 9 2.40
21 14 2.72
22 14 2.73
23 15 2.74
24 16 3.35
25 18 3.37
26 21 6.45
27 12 6.49
28 13 6.52
29 15 7.05
30 15 7.05
31 13 9.02

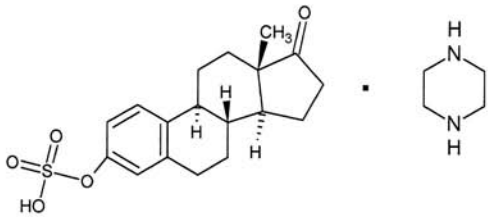

FTIR
ESTRONE IN KBR
A 1710
B 1492
C 1281
D 1238
A
B
C D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

ESTROPIPATE

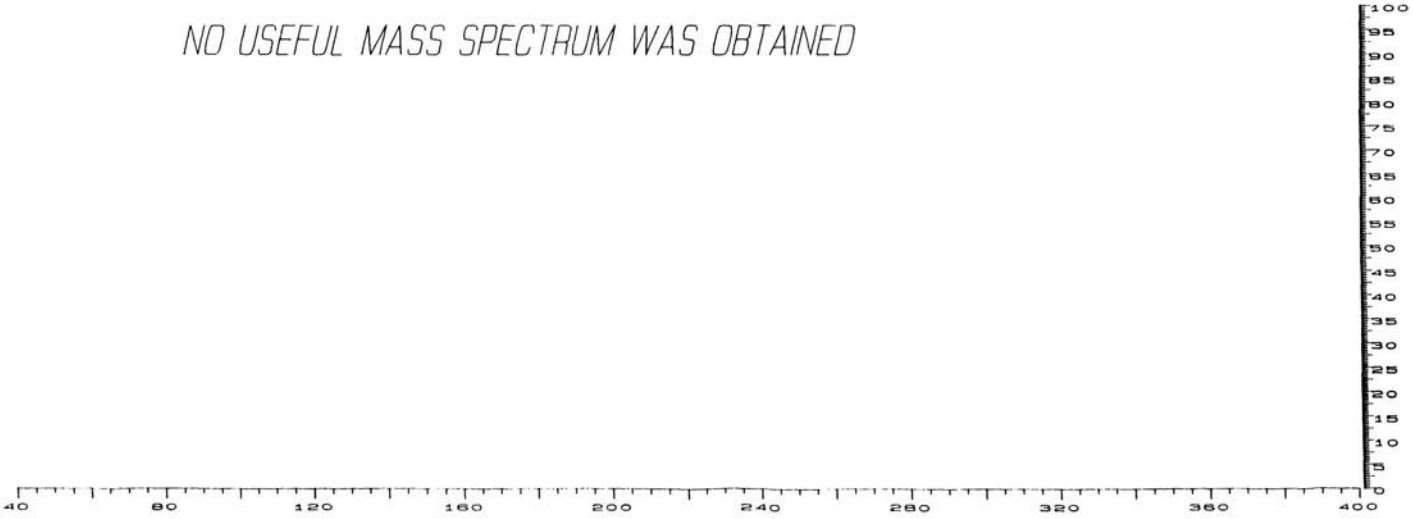
$C_{18}H_{22}O_5S.C_4H_{10}N_2$

Molecular Weight: 436.57 (436.2)
Synonyms: Estra-1,3,5(10)-trien-17-one, 3-(sulfooxy)-, compound with piperazine (1:1);Estrone hydrogen sulfate compound with piperazine (1:1); Piperazine Estrogen Sulfate
Trade names: Estrogen, Ortho-Est, Sulestrex,
Use: Estrogen therapy



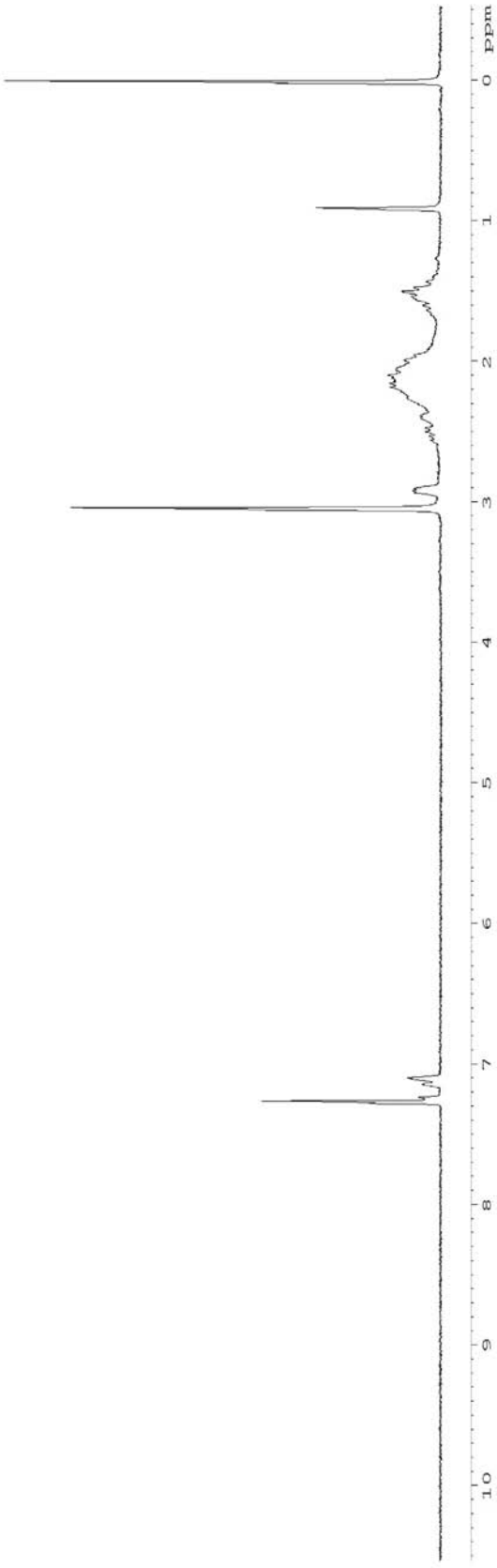


NO USEFUL MASS SPECTRUM WAS OBTAINED

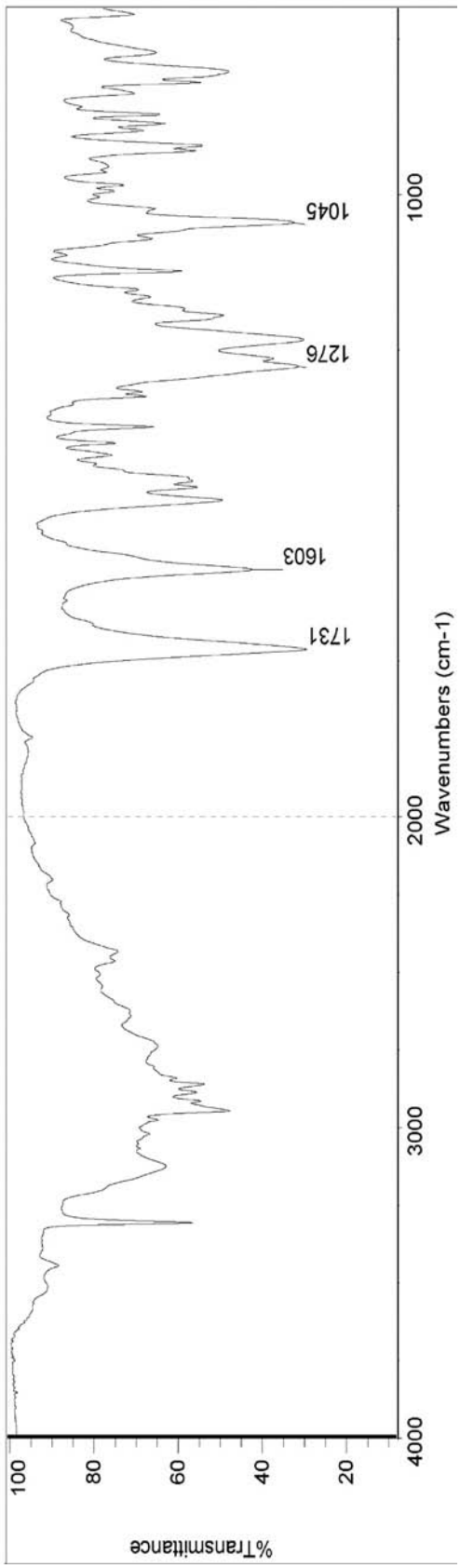


ESTROPIPATE

FTNMR



FT-IR

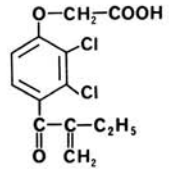


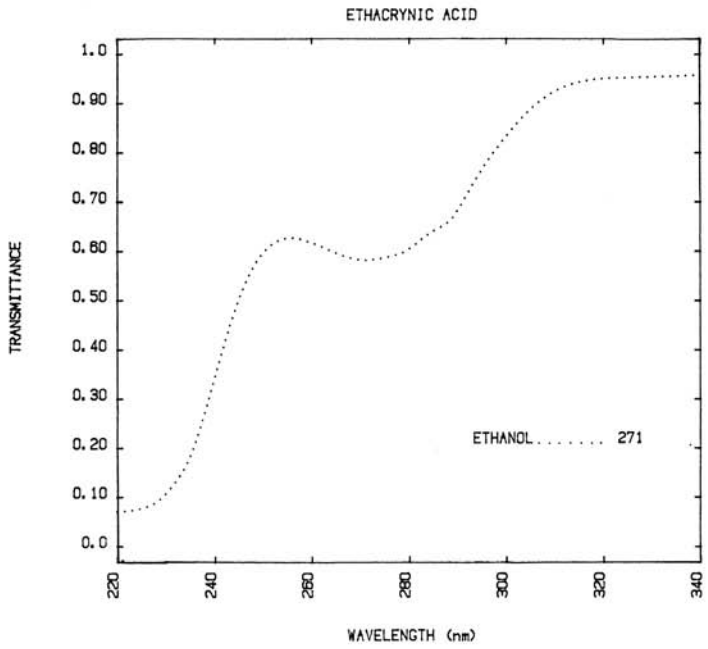
ETHACRYNIC ACID

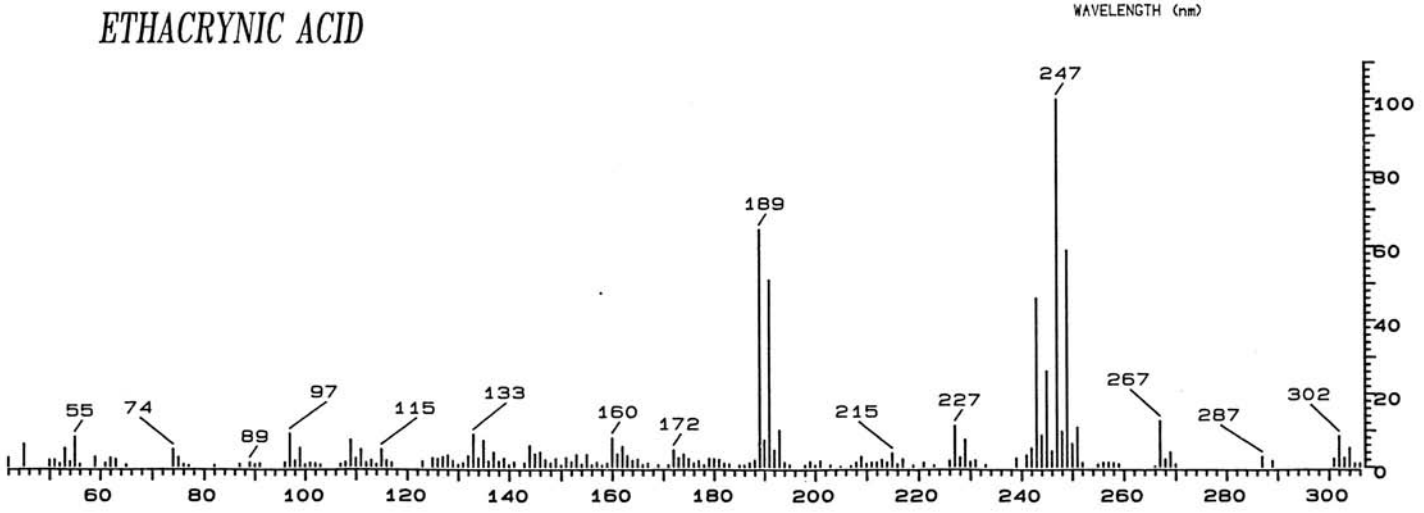
$C_{13}H_{12}Cl_2O_4$

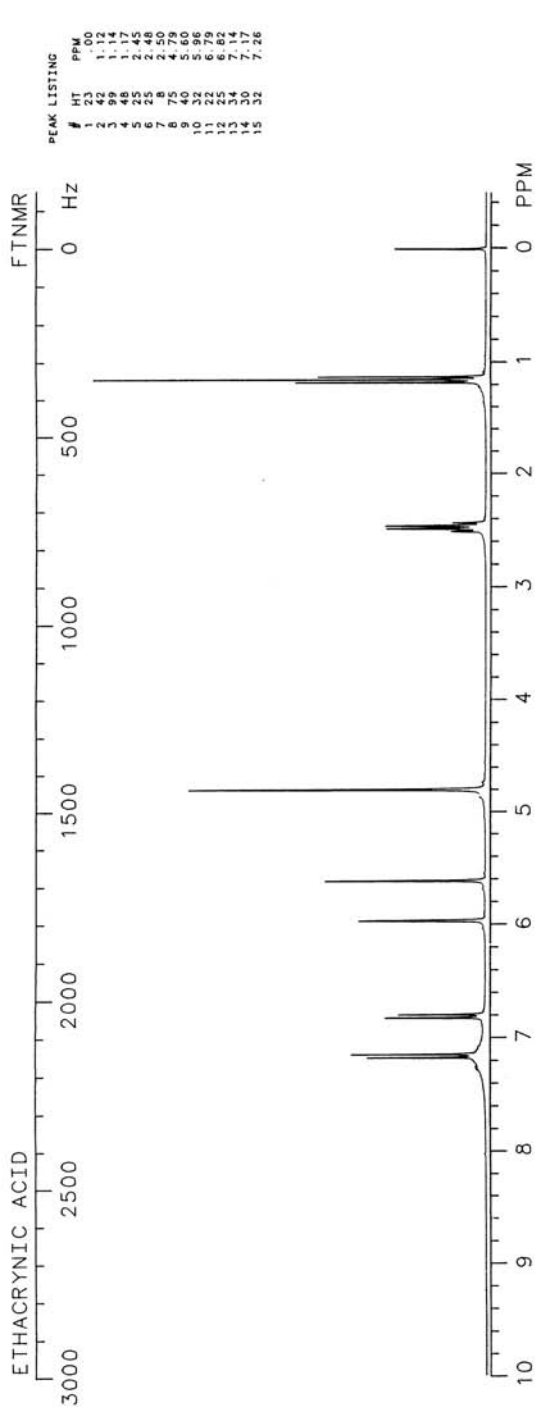
Molecular weight: 303.14 (302.01)
Synonyms: [2,3-Dichloro-4-(2-methylene-1-oxobutyl)phenoxy]-acetic acid
Trade names: Edecrin

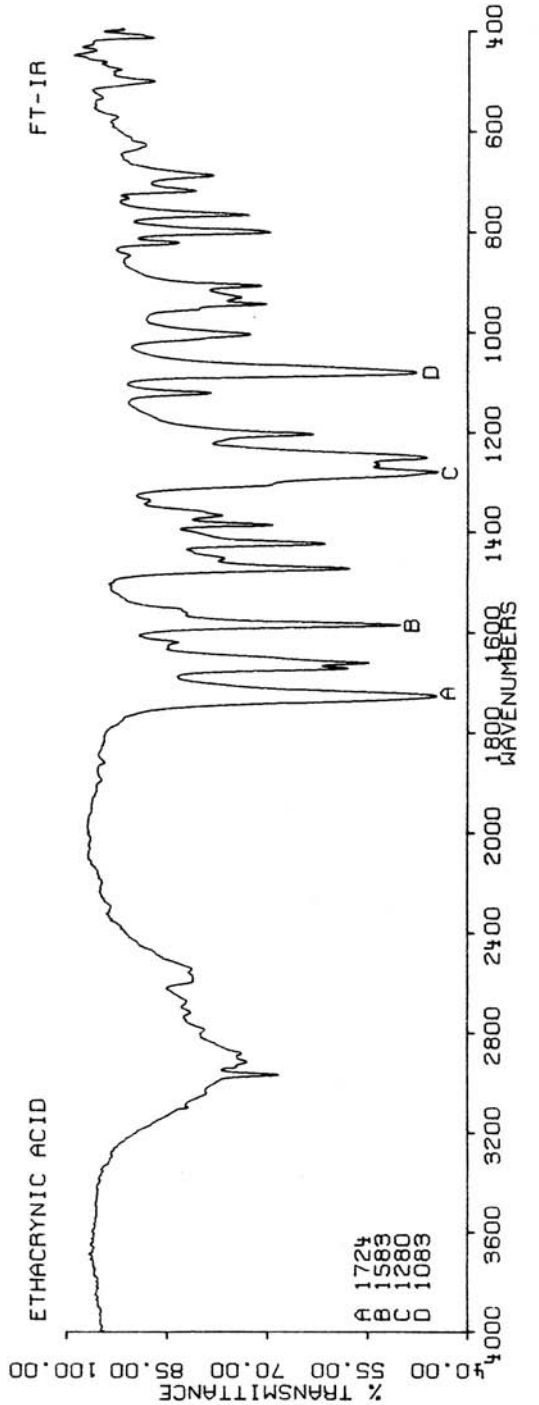
Use: Diuretic
HPLC: Si-10; 10A:90B; 7.0
GC: 2218; 250°C








ETHACRYNIC 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 23 .00
2 42 1.12
3 99 1.14
4 48 1.17
5 25 2.45
6 25 2.46
7 8 2.50
8 75 4.79
9 40 5.60
10 32 5.96
11 22 6.79
12 25 6.82
13 34 7.14
14 30 7.17
15 32 7.26

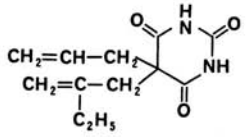

ETHACRYNIC ACID
FT-IR
A 1724
B 1583
C 1280
D 1083
A
B
C
D
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

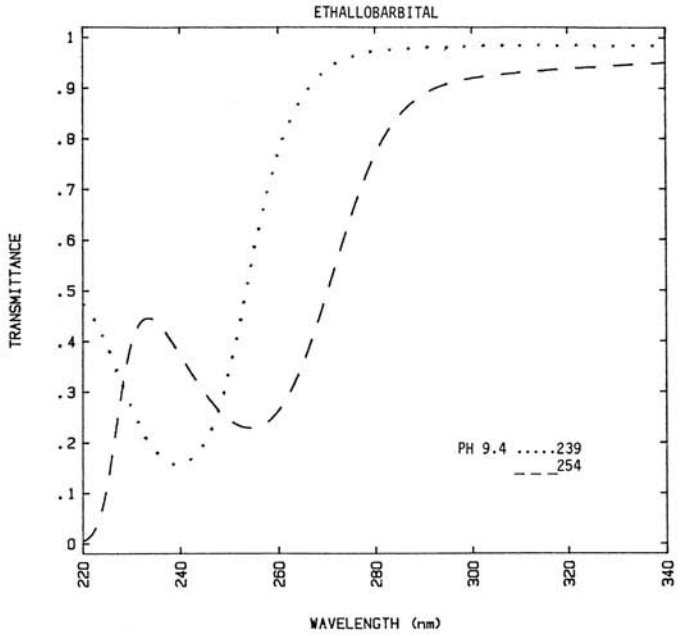
ETHALLOBARBITAL

$C_{12}H_{16}N_2O_3$

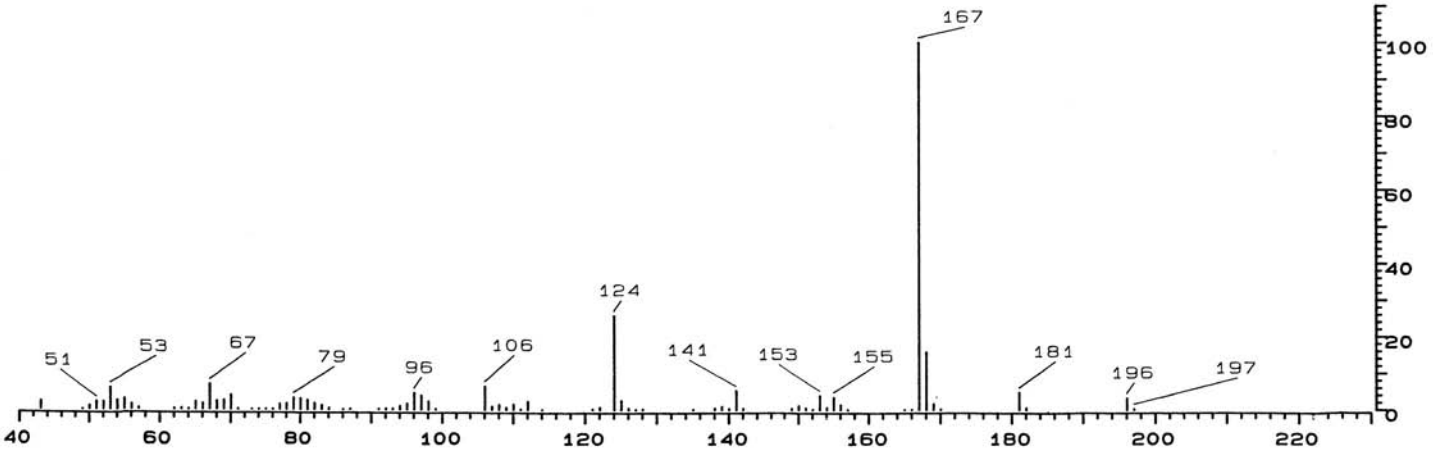
Molecular weight: 236.25 (236.12)
Synonyms: 5-(2-Ethylpropenyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione
Trade names:

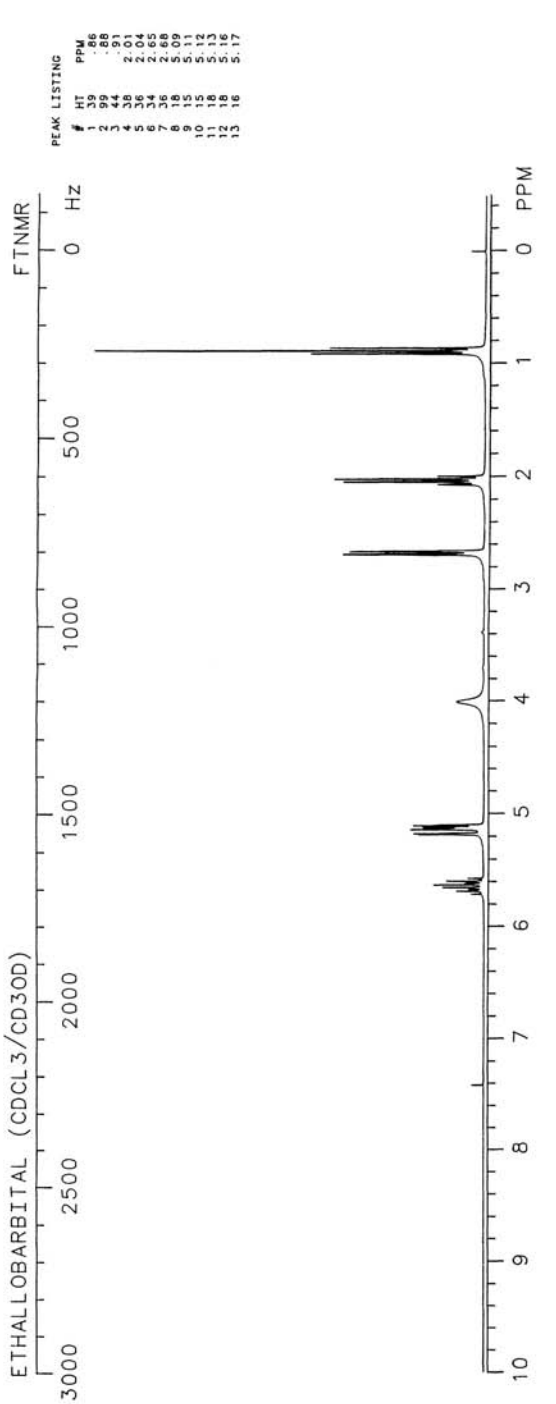
Use: Barbiturate
HPLC: Si-10; 1A:99B; 3.4
GC: 1588; 200°C

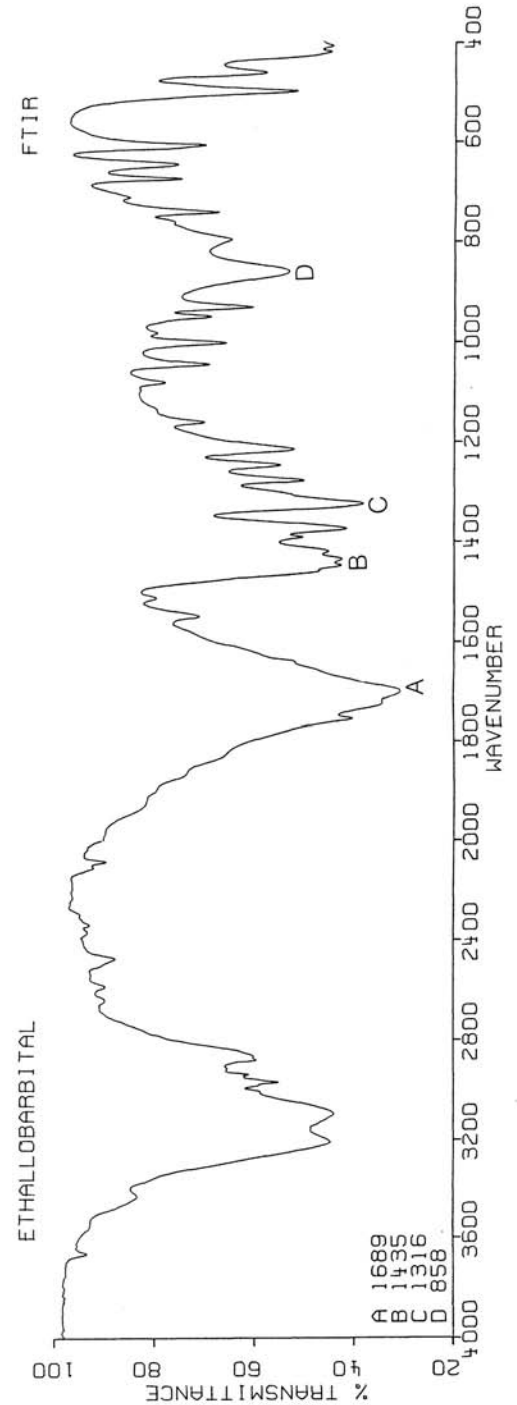




ETHALLOBARBITAL




ETHALLOBARBITAL (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 .86
2 .99 .88
3 .44 .91
4 .38 2.01
5 .36 2.04
6 .34 2.65
7 .36 2.68
8 .18 5.09
9 .15 5.11
10 .15 5.12
11 .18 5.13
12 .18 5.16
13 .16 5.17


ETHALLOBARBITAL
FTIR
% 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 1689
B 1435
C 1316
D 858

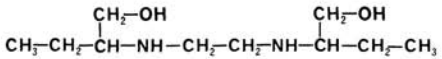
ETHAMBUTOL

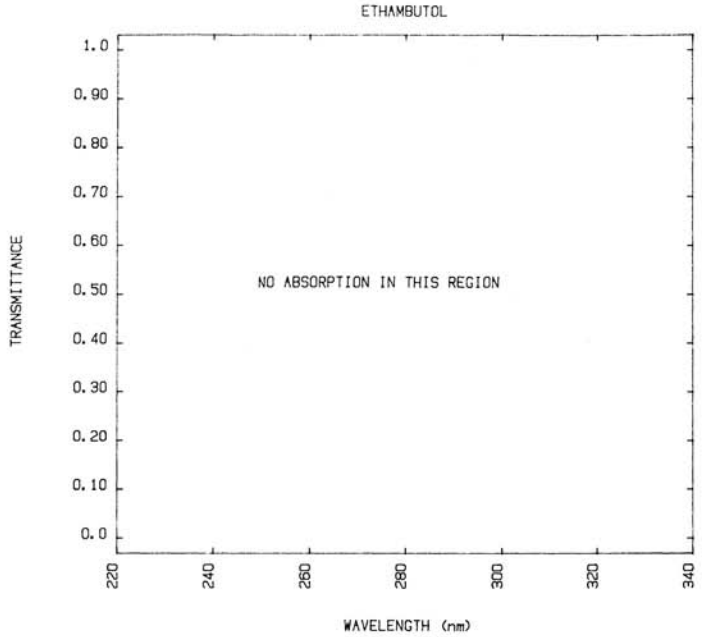
$C_{10}H_{24}N_2O_2$

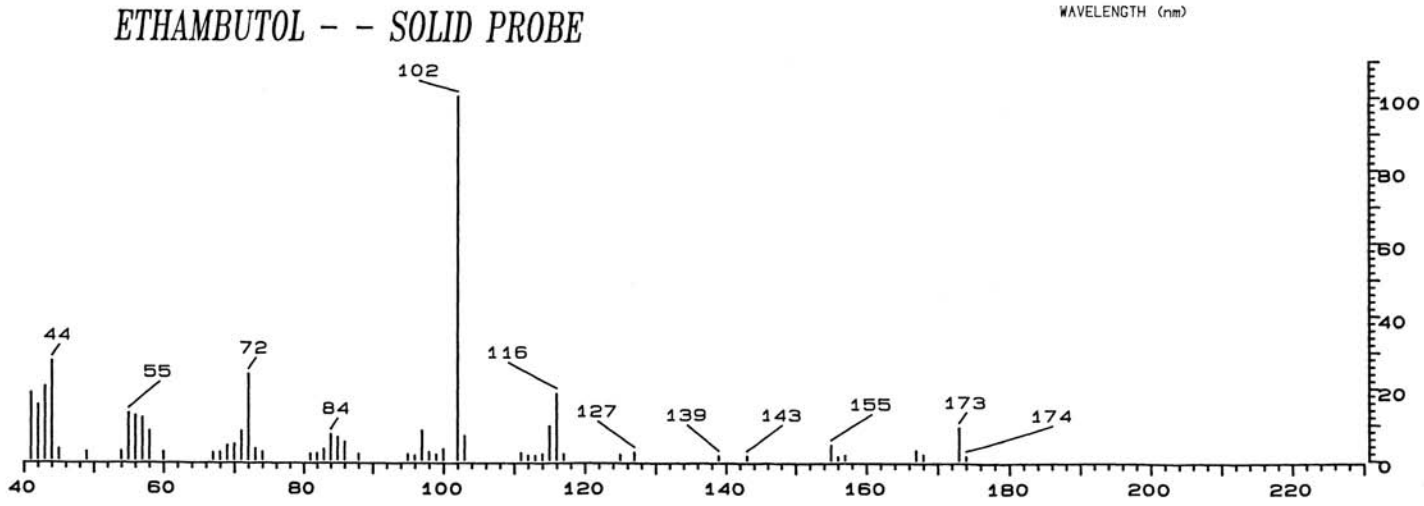
Molecular weight: 204.31 (204.18)
Synonyms: (R)-2,2'-(1,2-Ethanediyldimino)bis-1-butanol

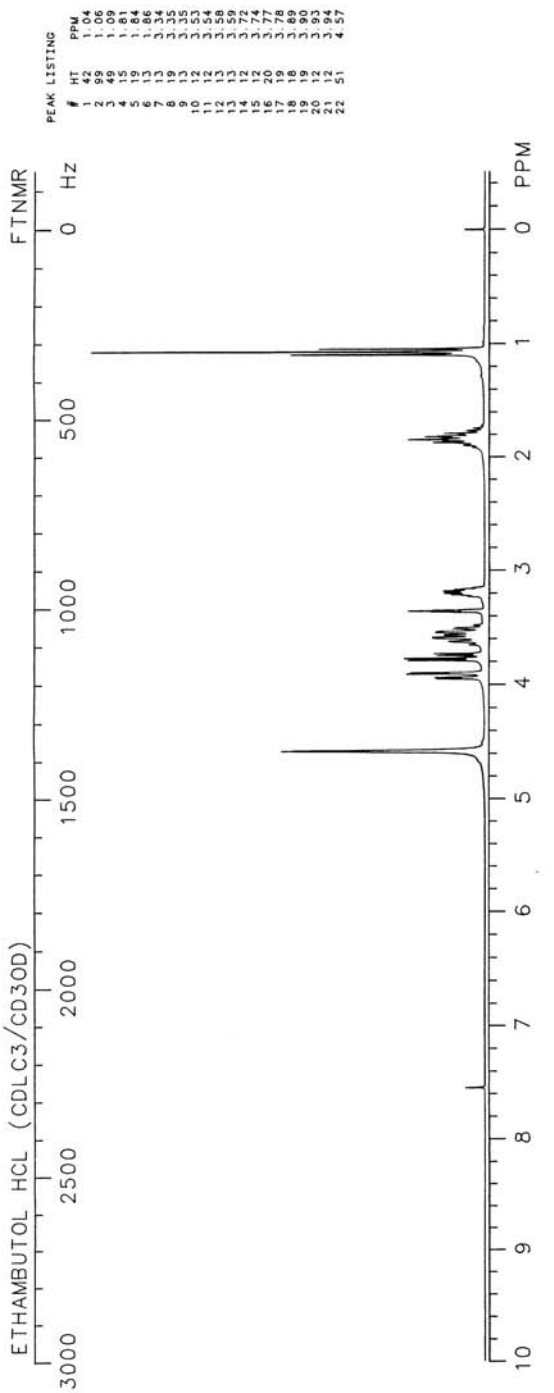
Trade names: Myambutol

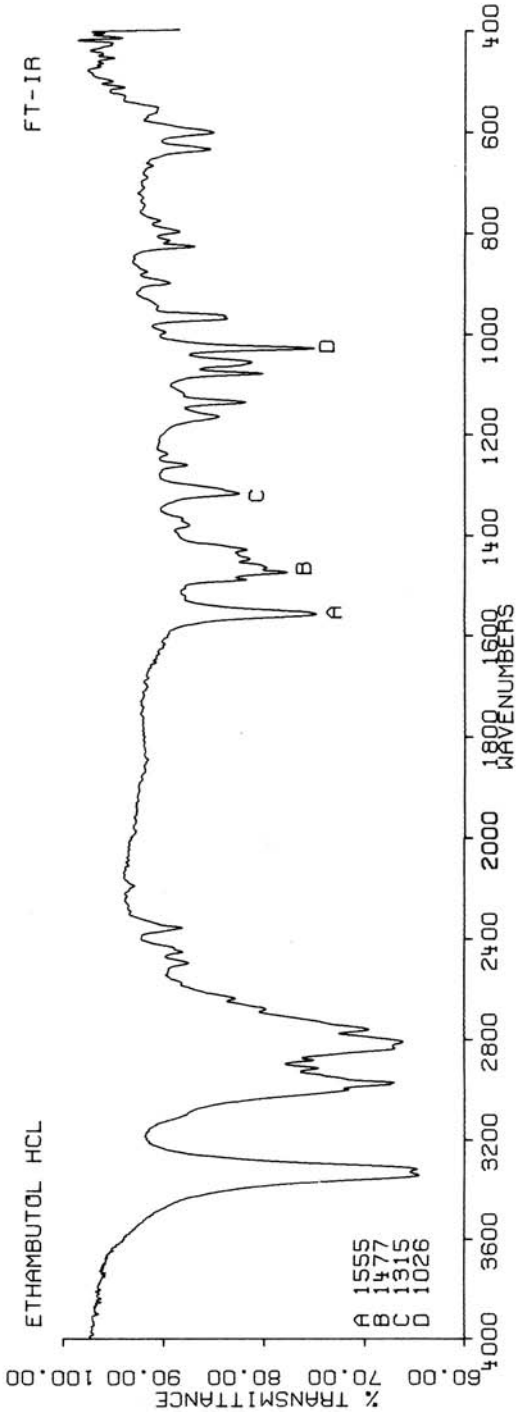
Use: Antibacterial
HPLC:
GC:








ETHAMBUTOL HCL (CDLC3/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 42 1.04
2 99 1.06
3 49 1.09
4 15 1.81
5 19 1.84
6 13 1.86
7 13 3.34
8 19 3.35
9 13 3.35
10 12 3.53
11 12 3.54
12 13 3.58
13 13 3.59
14 12 3.72
15 12 3.74
16 20 3.77
17 19 3.78
18 18 3.89
19 20 3.90
20 12 3.93
21 12 3.94
22 51 4.57


ETHAMBUTOL HCL
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 1555
B 1477
C 1315
D 1026
A
B
C
D

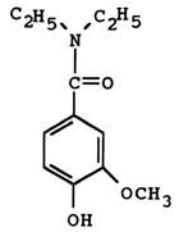
ETHAMIVAN

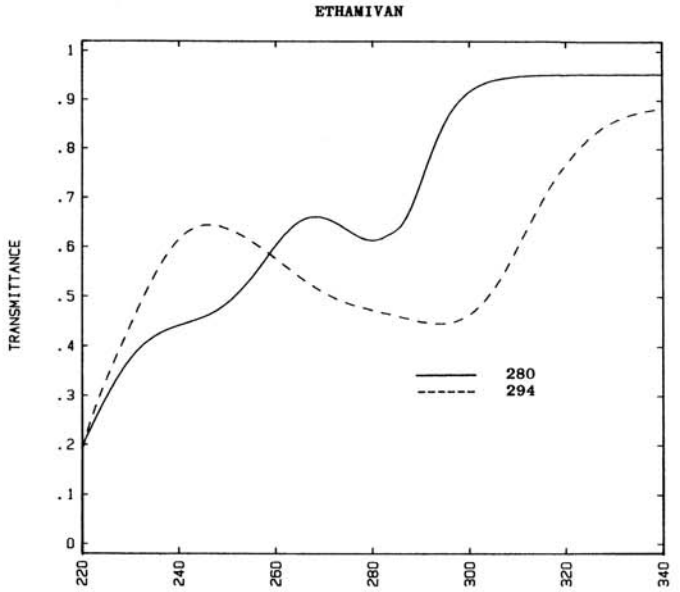
$C_{12}H_{17}NO_3$

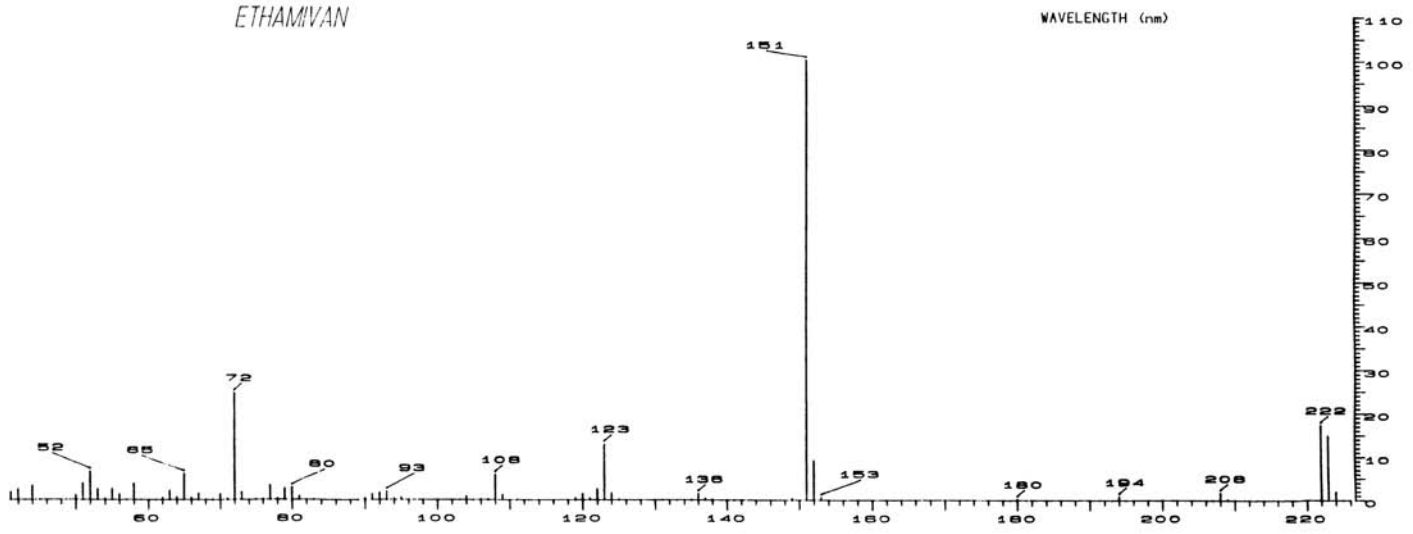
Molecular weight: 223.27 (223.12)

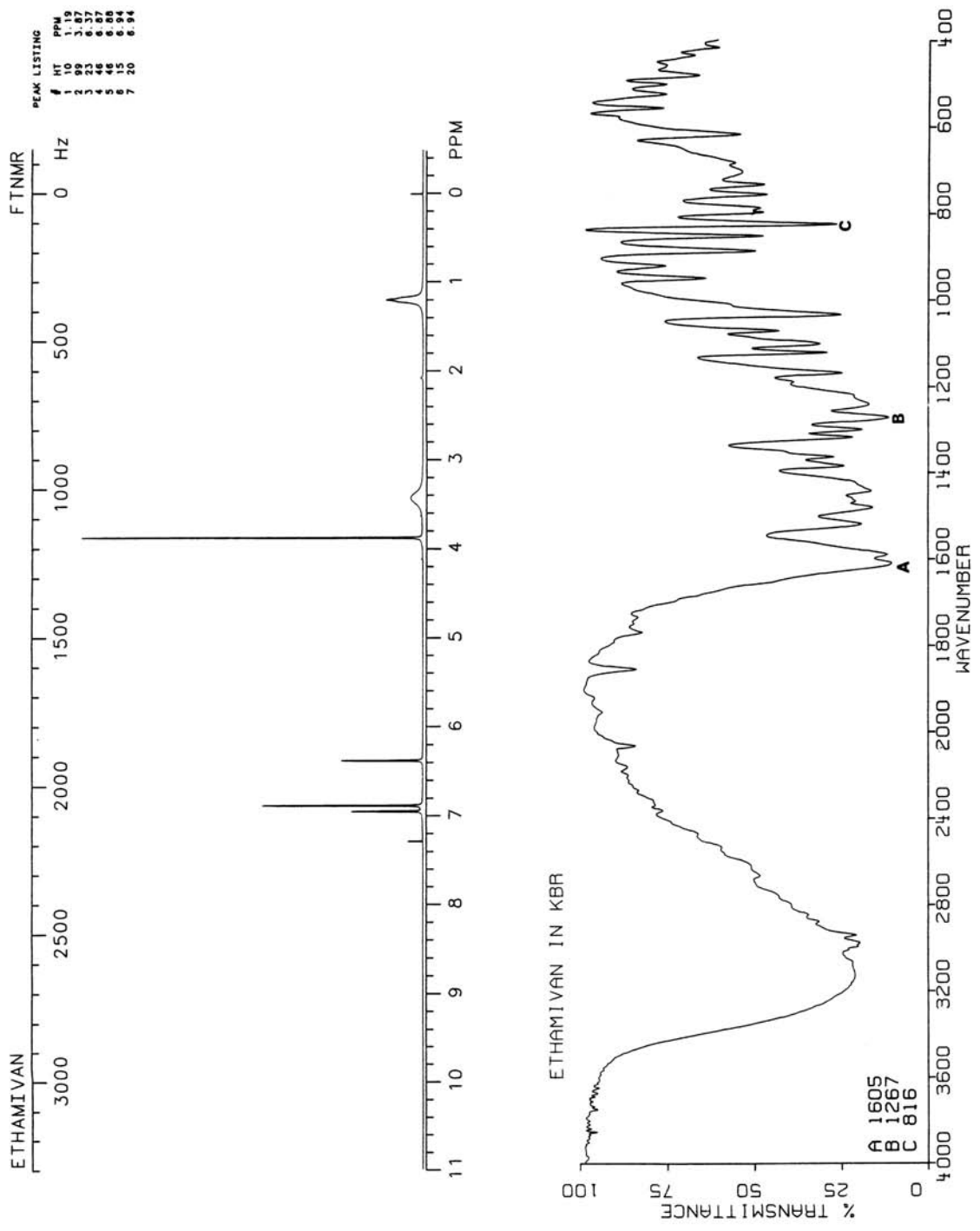
Synonyms: N,N-Diethyl-4-hydroxy-3-methoxybenzamide; N,N-diethylvanillamide; Vanillic acid diethyamide; vanillic diethylamide
Trade names: Cardiovanil, Clairvan, Emivan, Vandid

Use: Stimulant
HPLC: 70A:30B; 2.8
GC: 1870; 200°





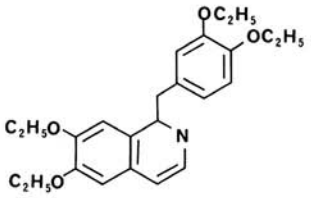


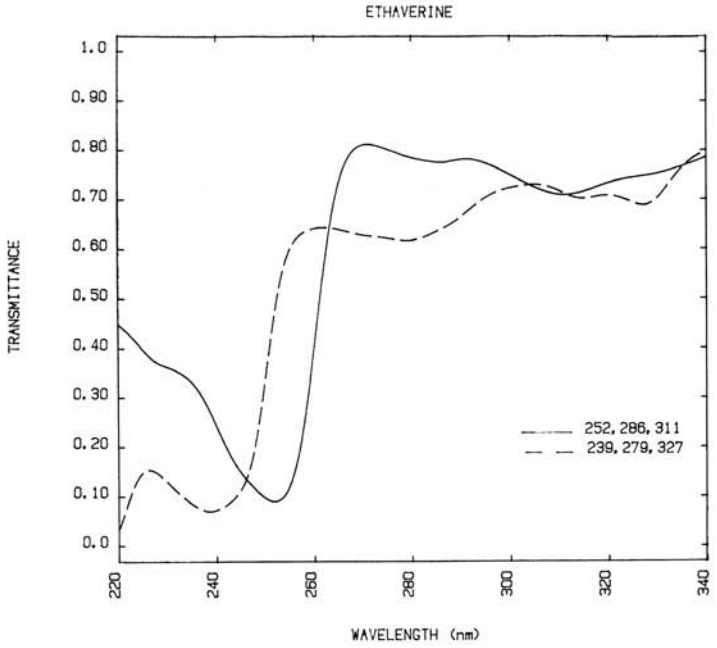

ETHAMIVAN
FTNMR
PEAK LISTING
HT PPM
1 10 1.19
2 99 3.87
3 23 6.37
4 46 6.87
5 46 6.98
6 15 6.94
7 20 6.94
3000 2500 2000 1500 1000 500 0 Hz
11 10 9 8 7 6 5 4 3 2 1 0 PPM
ETHAMIVAN IN KBR
A 1605
B 1267
C 816
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C

ETHAVERINE

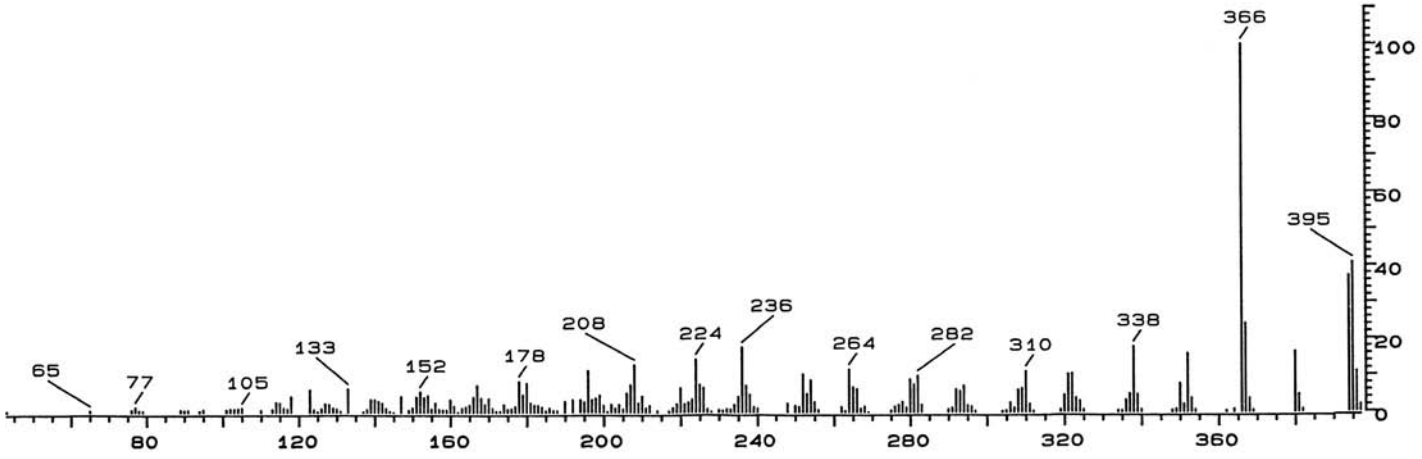
$C_{24}H_{29}NO_4$

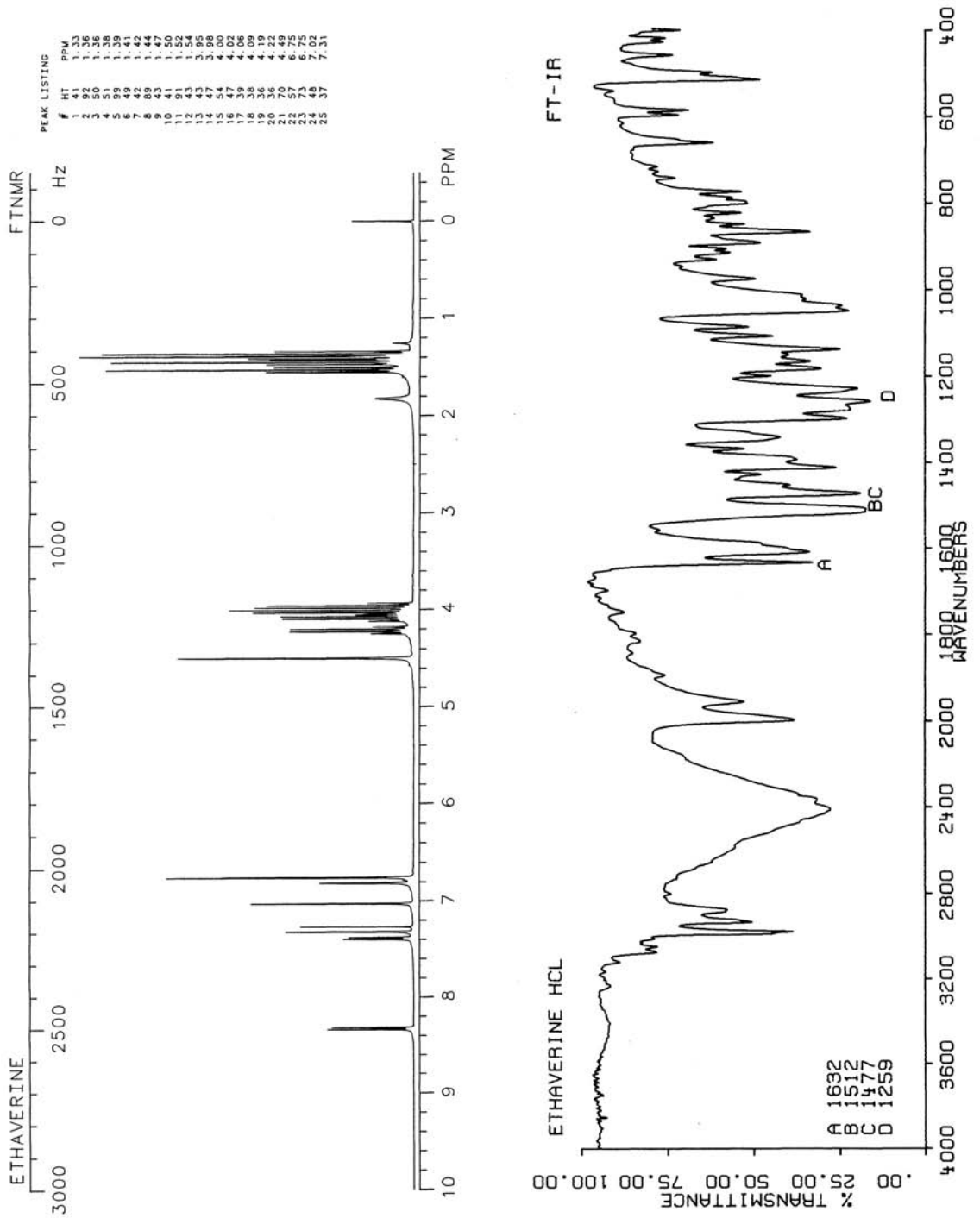
Molecular weight: 395.50 (395.21)
Synonyms: 1-[(3,4-Diethoxyphenyl)methyl]-6,7-diethoxyisoquinoline; ethylpapaverine
Trade names: Circubid, Ethaquin, Eta-Lent, Ethatab, Isovex-100, Rothan-500
Use: Antispasmodic
HPLC:
GC: 2981; 280°C





ETHAVERINE



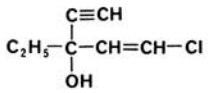

ETHAVERINE
FTNMR
PEAK LISTING
HT PPM
1 41 1.33
2 92 1.36
3 50 1.36
4 51 1.38
5 89 1.39
6 49 1.41
7 42 1.42
8 89 1.44
9 43 1.47
10 41 1.50
11 91 1.52
12 43 1.54
13 43 3.95
14 47 3.98
15 54 4.00
16 47 4.02
17 39 4.06
18 38 4.09
19 36 4.19
20 36 4.22
21 70 4.49
22 57 6.75
23 73 7.02
24 48 7.31
25 37 7.31
Hz
PPM
ETHAVERINE HCL
FT-IR
A 1632
B 1512
C 1477
D 1259
A
BC
D
% TRANSMITTANCE
WAVENUMBERS

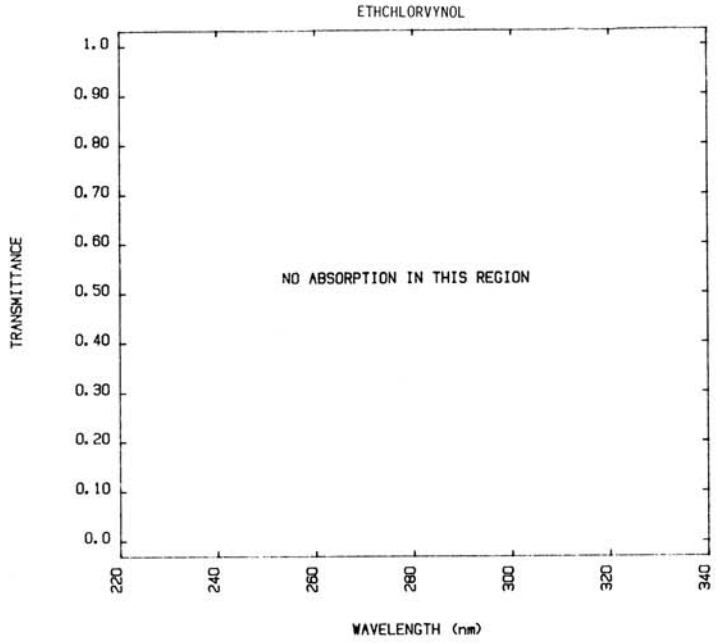
ETHCHLORVYNOL

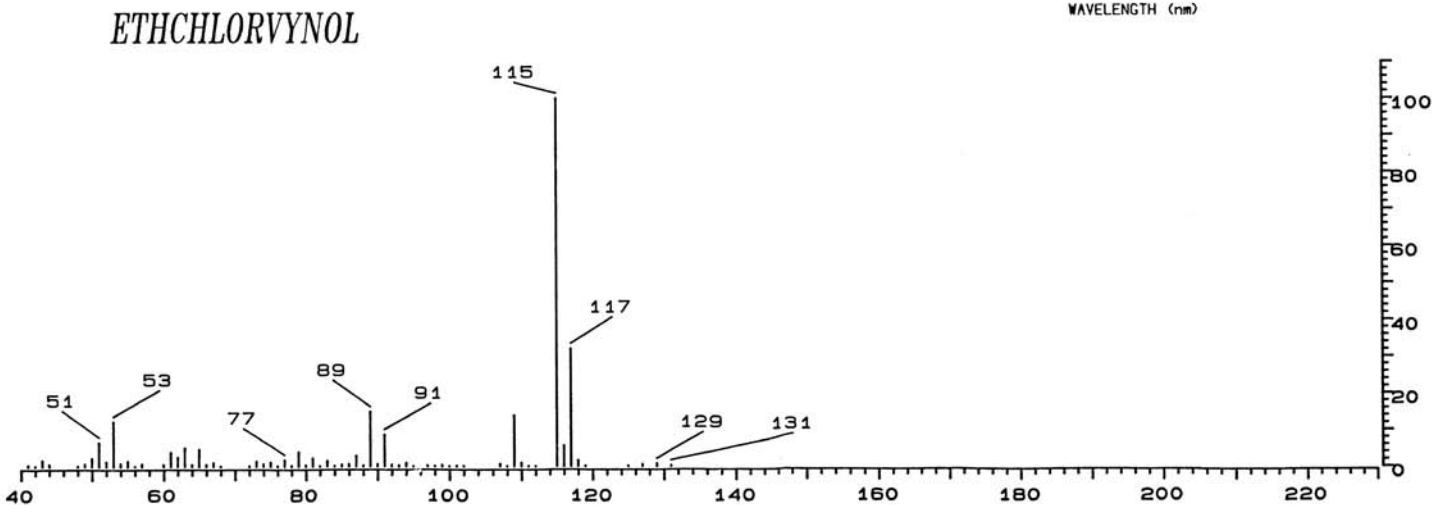
C_7H_9ClO

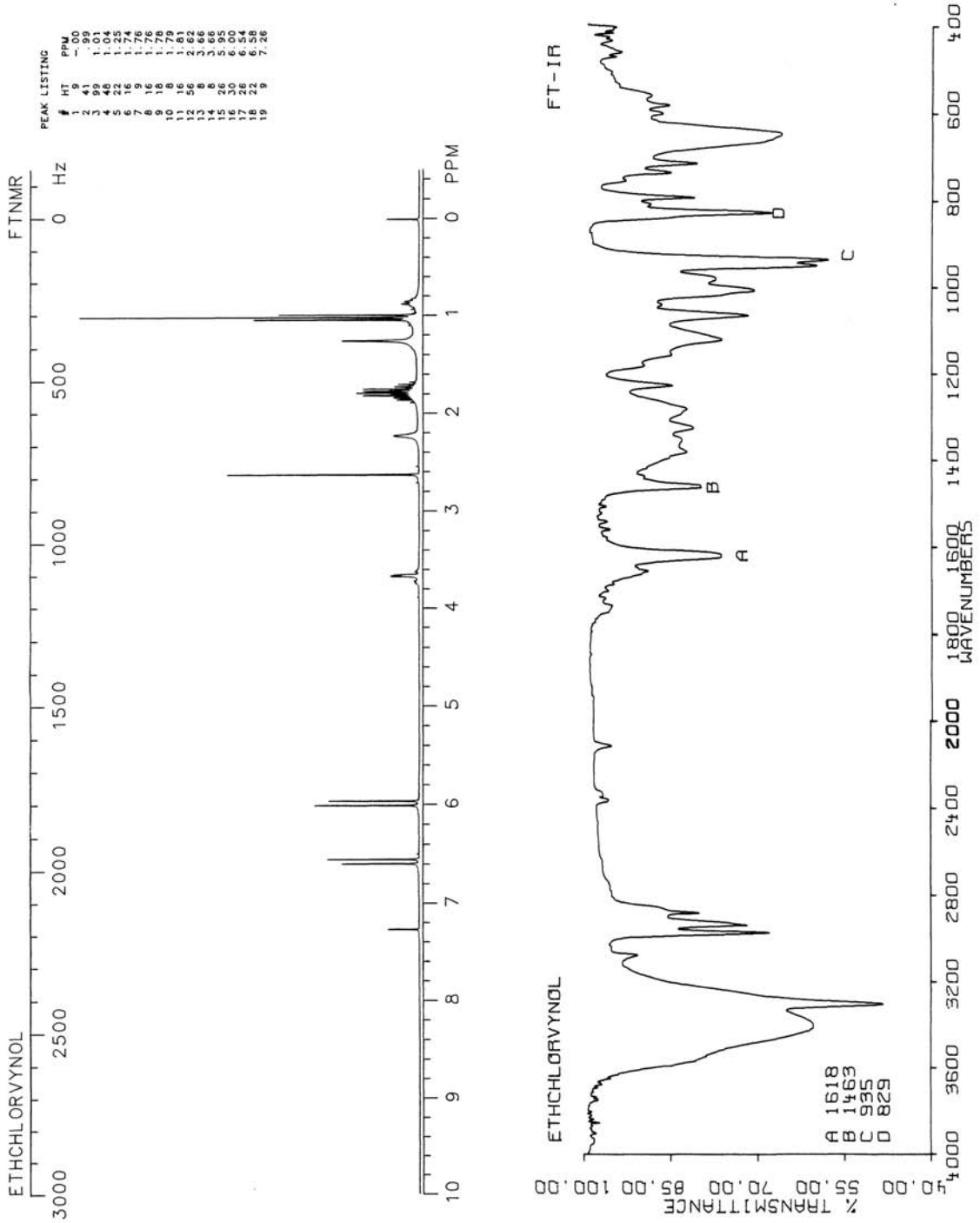
Molecular weight: 144.60 (144.03)
Synonyms: 1-Chloro-3-ethyl-1-penten-4-yl-3-ol; ethyl-β-chlorovinyl ethynyl carbinol
Trade names: Placidyl

Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 6.0
GC: 982; 80°C








ETHCHLORVYNOL
FTNMR
PEAK LISTING
HT PPM
1 9 -.00
2 41 .99
3 89 1.01
4 48 1.04
5 22 1.25
6 16 1.74
7 9 1.76
8 16 1.76
9 18 1.78
10 8 1.79
11 16 1.81
12 56 2.62
13 8 3.66
14 8 3.66
15 26 5.95
16 30 6.00
17 26 6.54
18 22 6.58
19 9 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ETHCHLORVYNOL
FT-IR
A 1618
B 1463
C 935
D 829
% 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

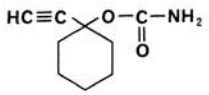
ETHINAMATE

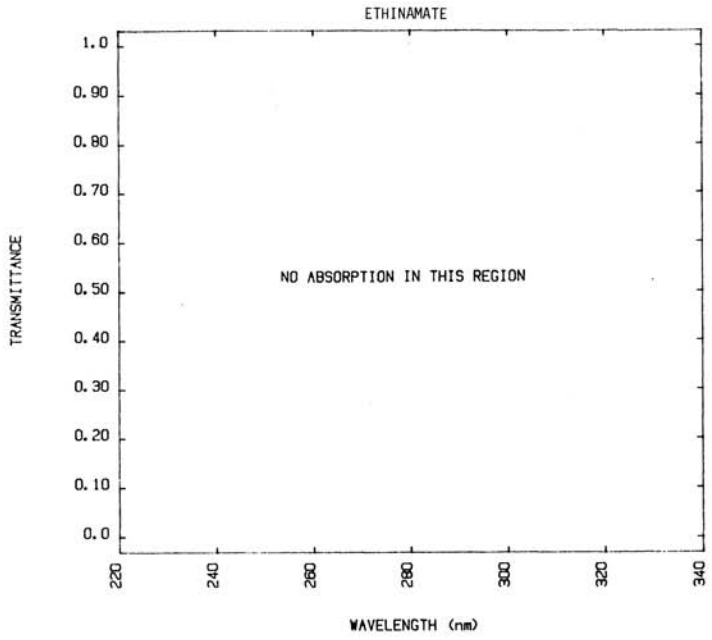
$C_9H_{13}NO_2$

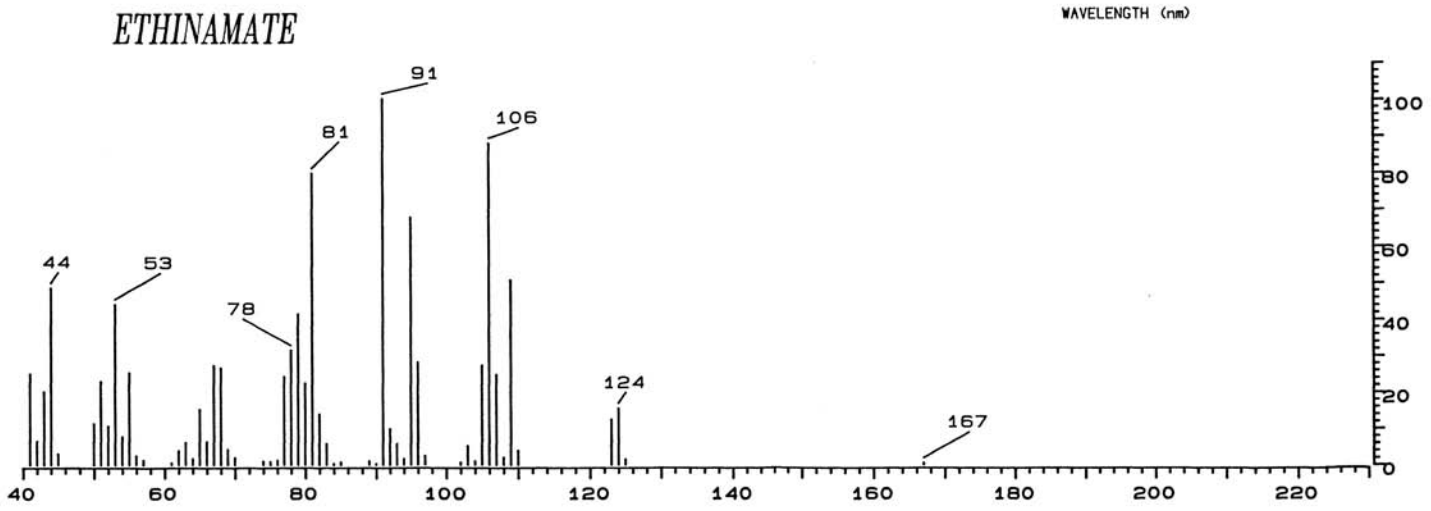
Molecular weight: 167.21 (167.10)
Synonyms: 1-Ethynylcyclohexanol carbamate

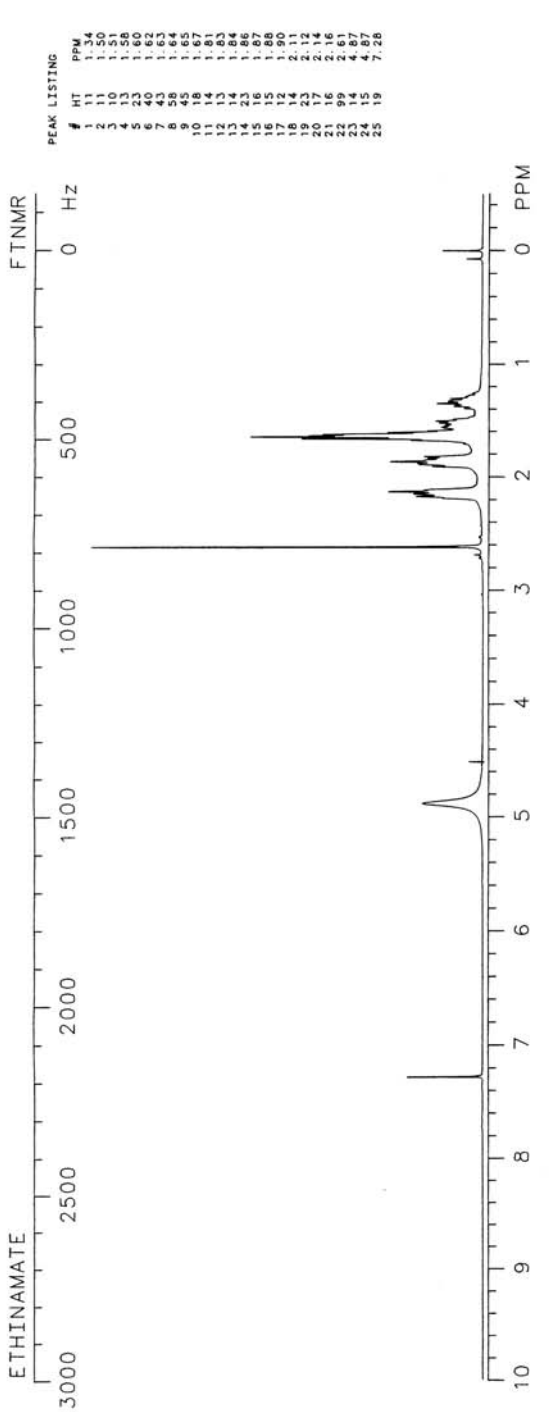
Trade names: Valmid

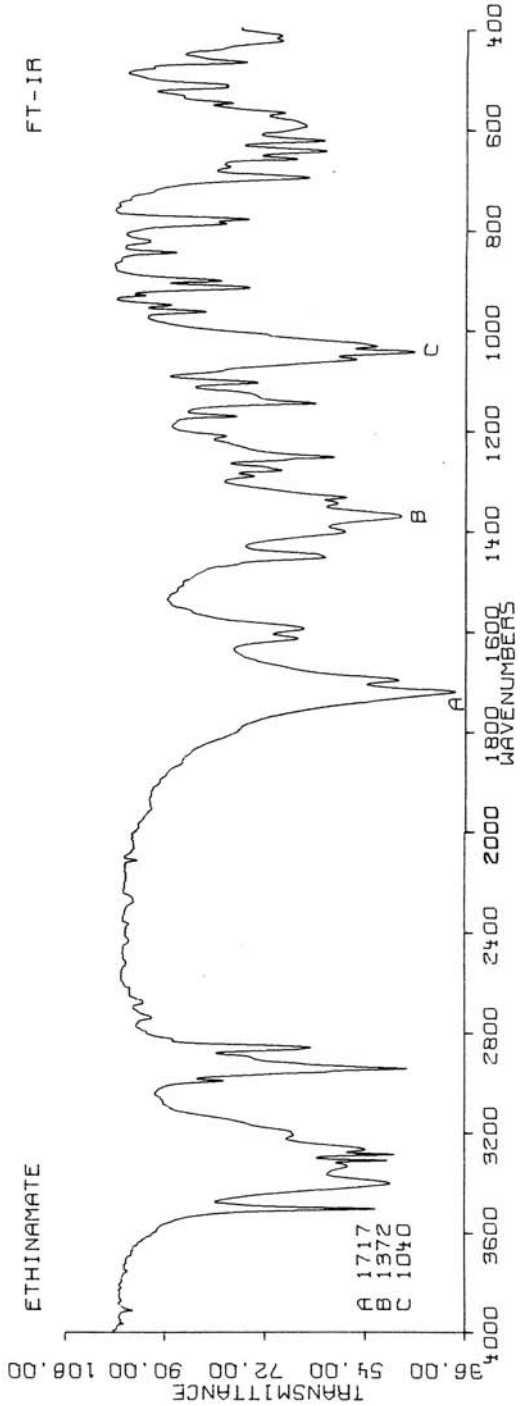
Use: Sedative
HPLC: Si-10; 1A:99B; 5.0
GC: 1372; 140°C








ETHINAMATE
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 1.34
2 11 1.50
3 10 1.51
4 13 1.58
5 23 1.60
6 40 1.62
7 43 1.63
8 58 1.64
9 45 1.65
10 18 1.67
11 14 1.81
12 13 1.83
13 14 1.84
14 23 1.86
15 16 1.87
16 15 1.88
17 12 1.90
18 14 2.11
19 23 2.12
20 17 2.14
21 16 2.16
22 99 2.61
23 14 4.87
24 15 4.87
25 19 7.28

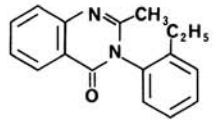

ETHINAMATE
FT-IR
TRANSMITTANCE
96.00
84.00
72.00
60.00
48.00
36.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A 1717
B 1372
C 1040
A
B
C

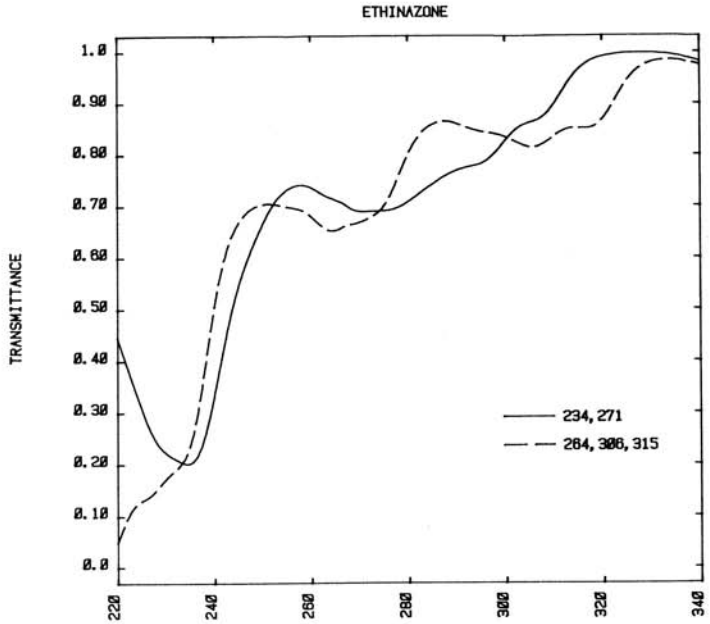
ETHINAZONE

$C_{17}H_{16}N_2O$

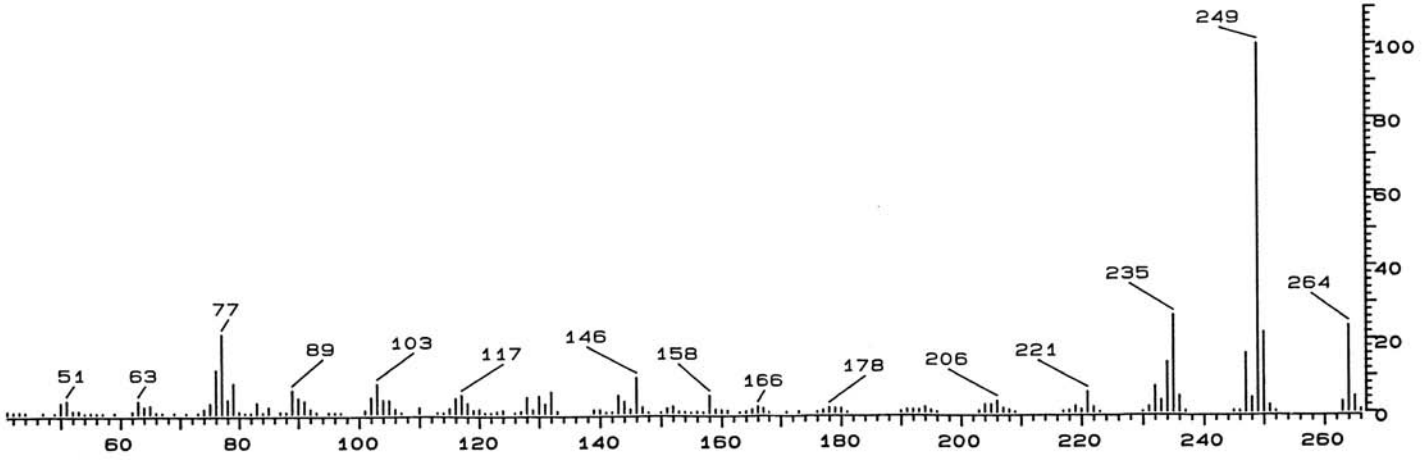
Molecular weight: 264.33 (264.13)
Synonyms: 3-(o-Ethylphenyl)-2-methyl-4(3H)-quinazolinone;
etaqualone
Trade names:

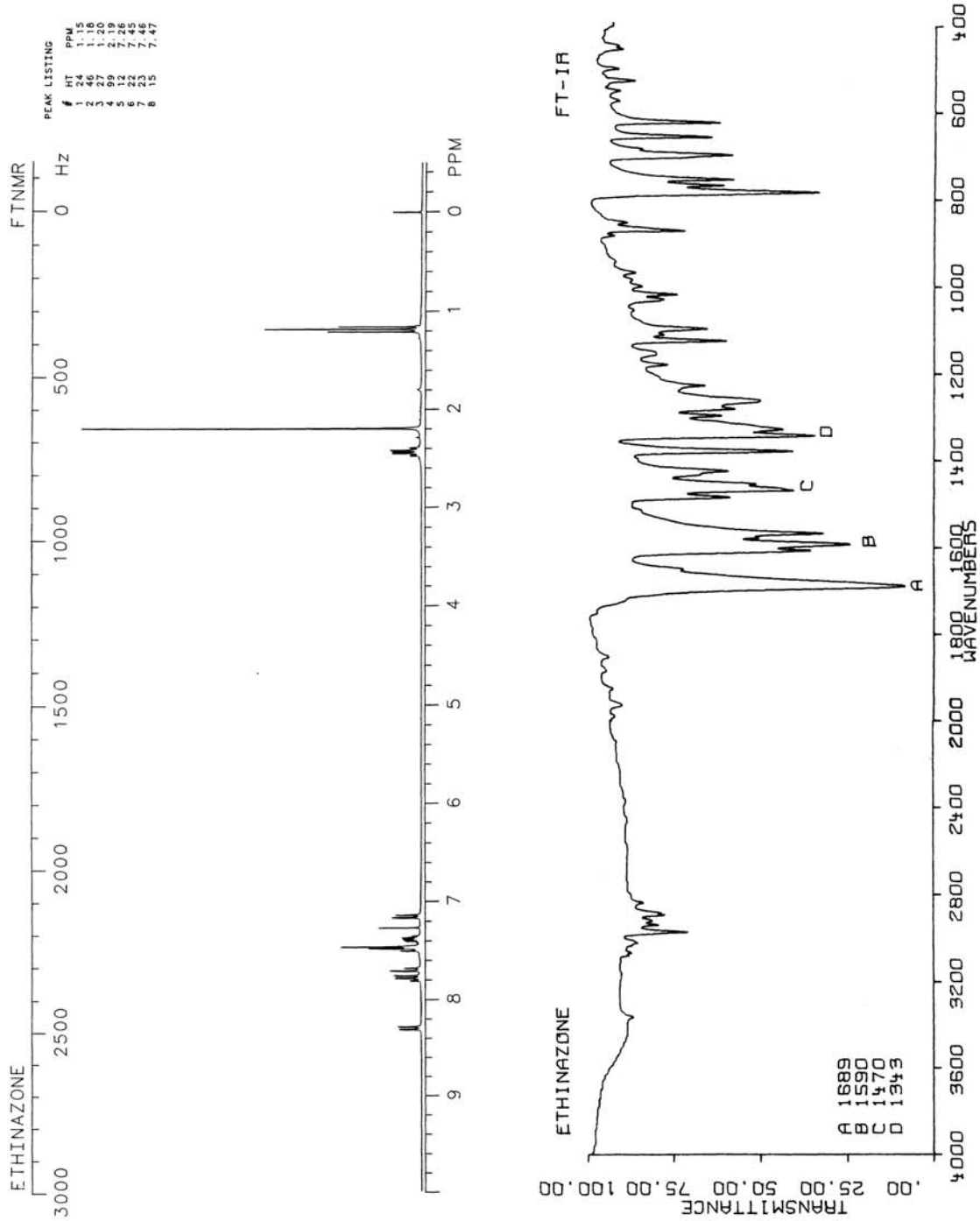
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 4.1
GC: 2276; 250°C





ETHINAZONE



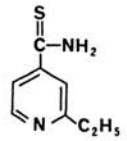

ETHINAZONE
FTNMR
PEAK LISTING
HT PPM
1 24 1.15
2 46 1.18
3 27 1.20
4 99 2.19
5 12 7.26
6 11 7.45
7 23 7.46
8 15 7.47
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
ETHINAZONE
FT-IR
A 1689
B 1590
C 1470
D 1343
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

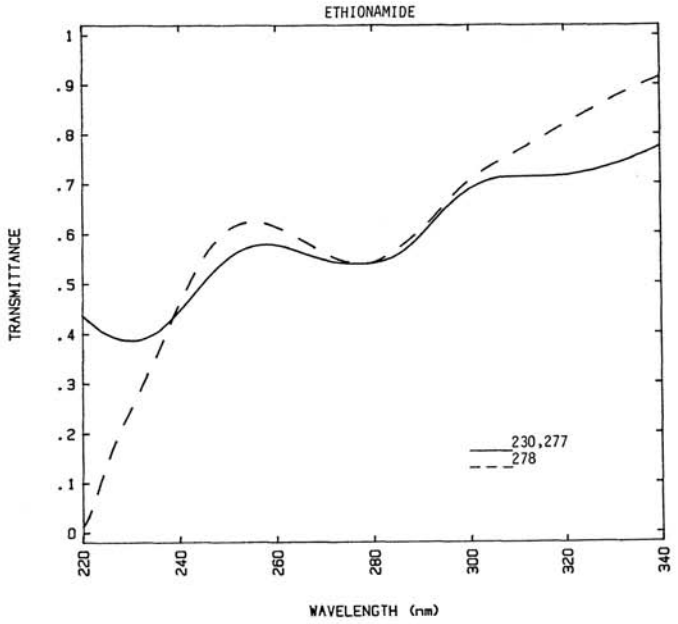
ETHIONAMIDE

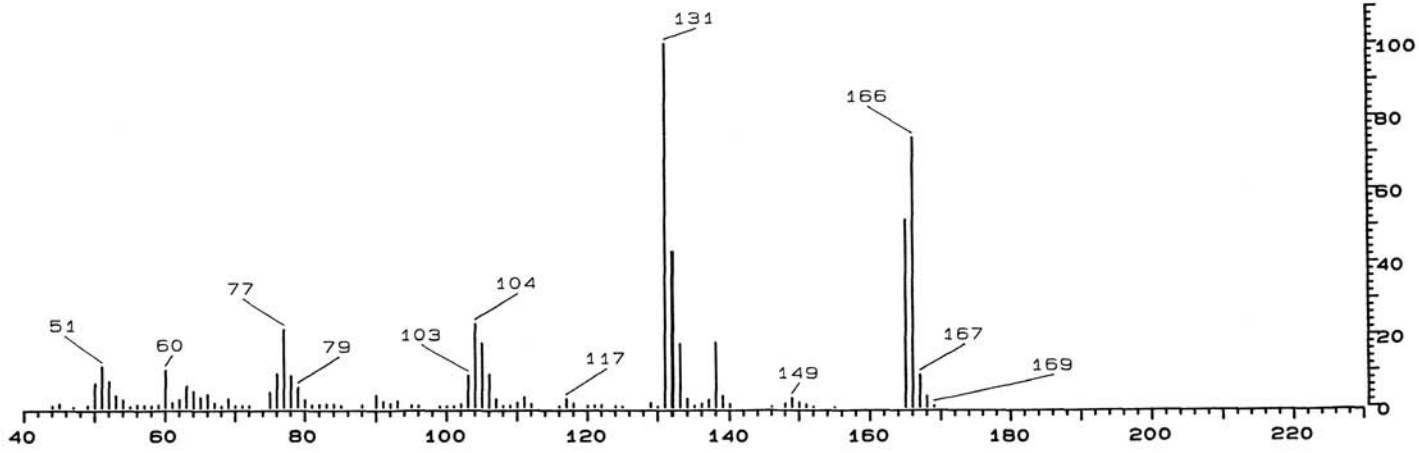
$C_8H_{10}N_2S$

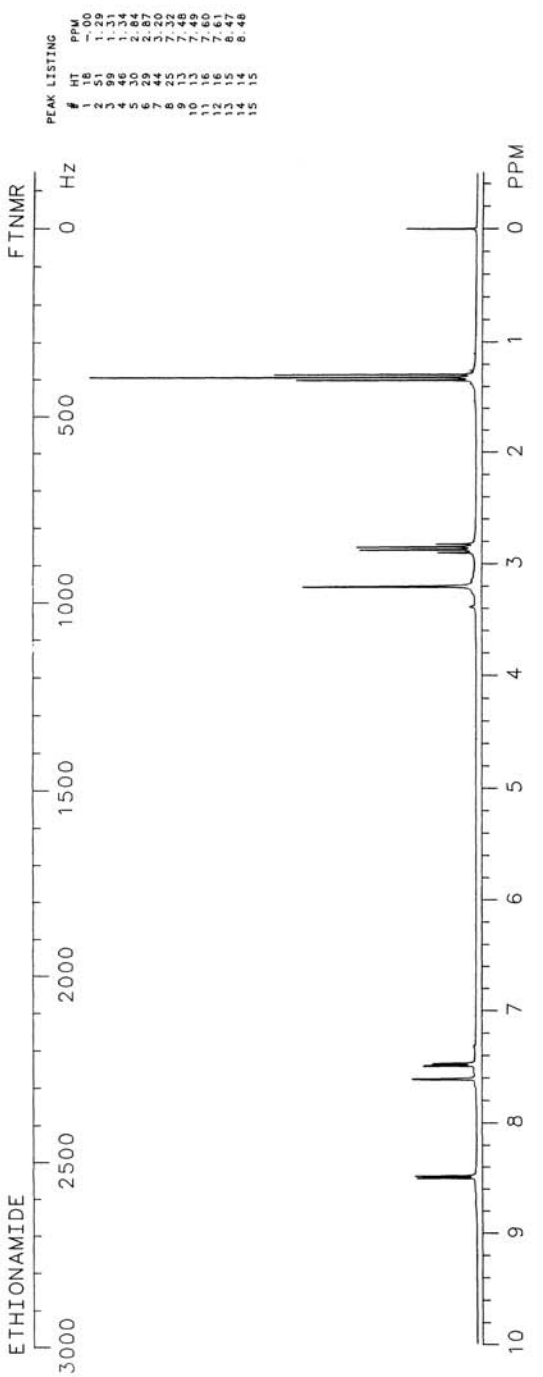
Molecular weight: 166.24 (166.06)
Synonyms: 2-Ethyl-4-pyridinecarbothioamide; amidazine; ethioniamide; etionamide
Trade names: Trecator-SC, Trescatyl

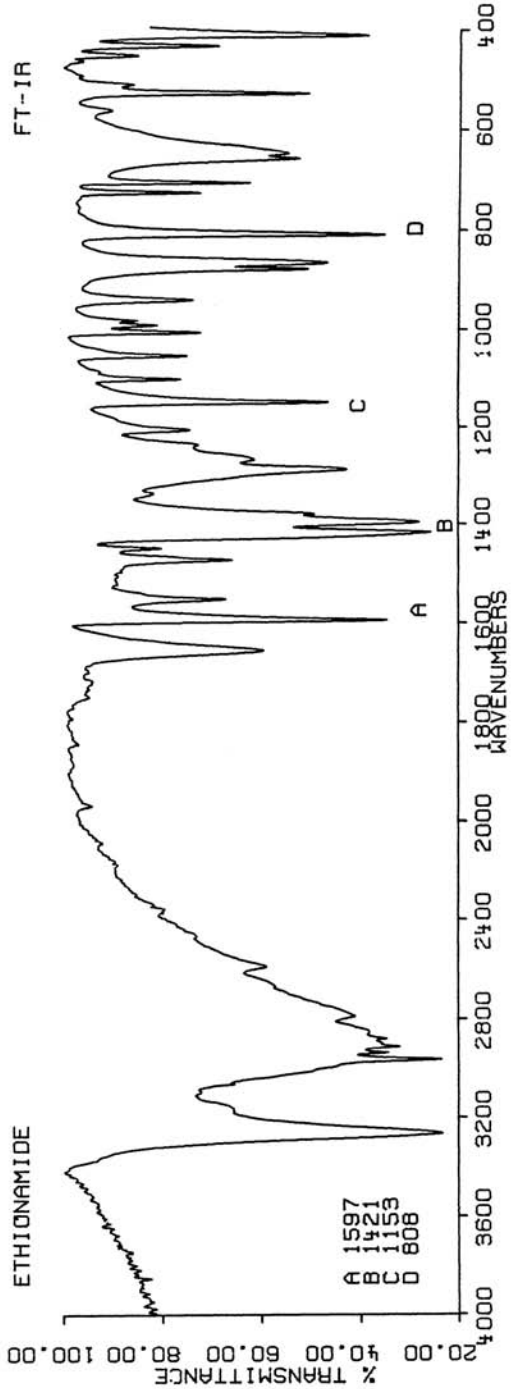
Use: Antibacterial
HPLC: Si-10; 2A:98B; 5.1
GC: 1765; 200°C







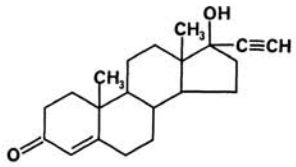

ETHIONAMIDE
FTNMR
PEAK LISTING
HT PPM
1 18 -.00
2 51 1.29
3 50 1.31
4 46 1.34
5 30 2.84
6 29 2.87
7 44 3.20
8 25 7.32
9 13 7.48
10 13 7.49
11 16 7.60
12 16 7.61
13 15 8.47
14 14 8.48
15 15
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

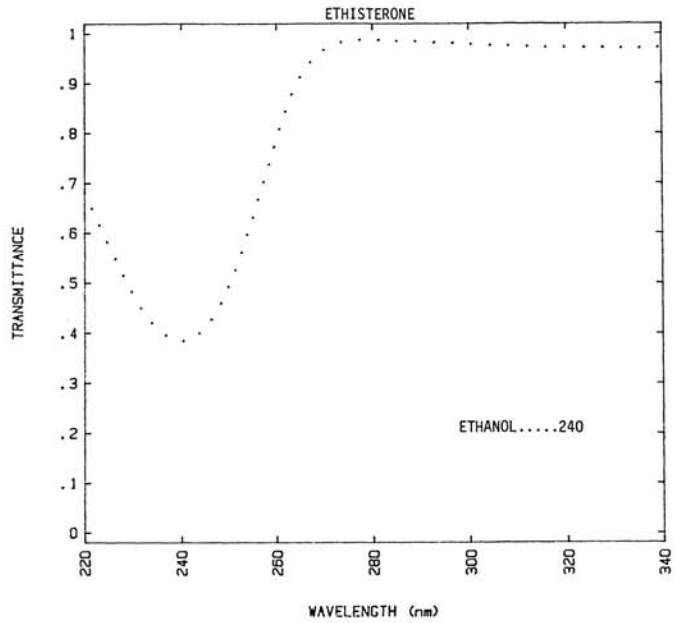

ETHIONAMIDE
FT-IR
A 1597
B 1421
C 1153
D 808
A
B
C
D
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

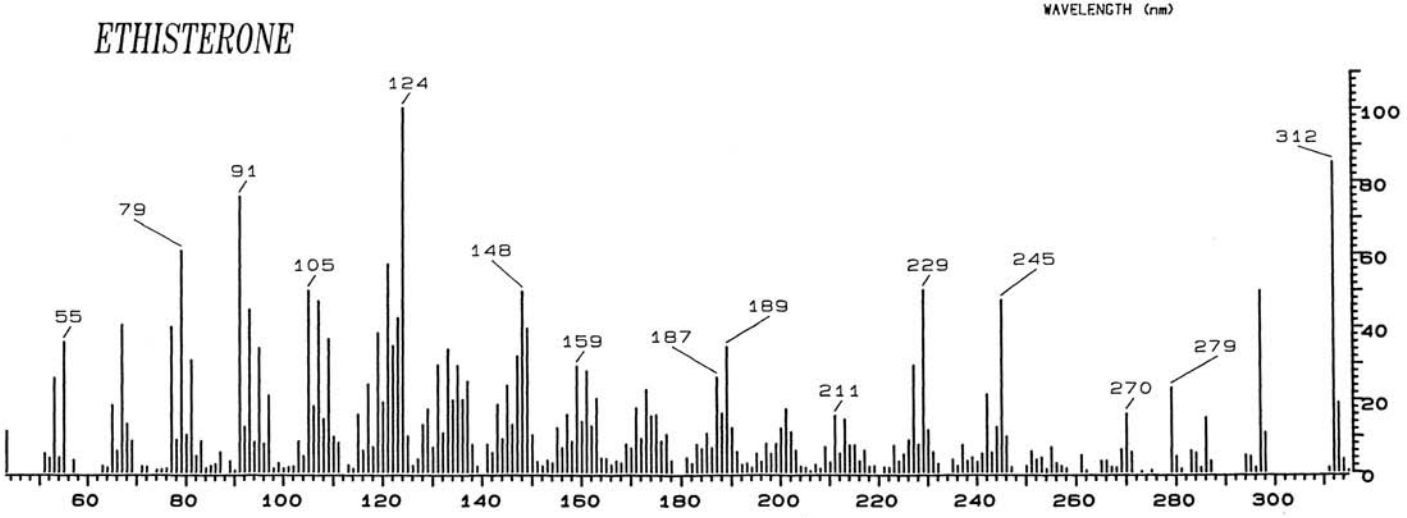
ETHISTERONE

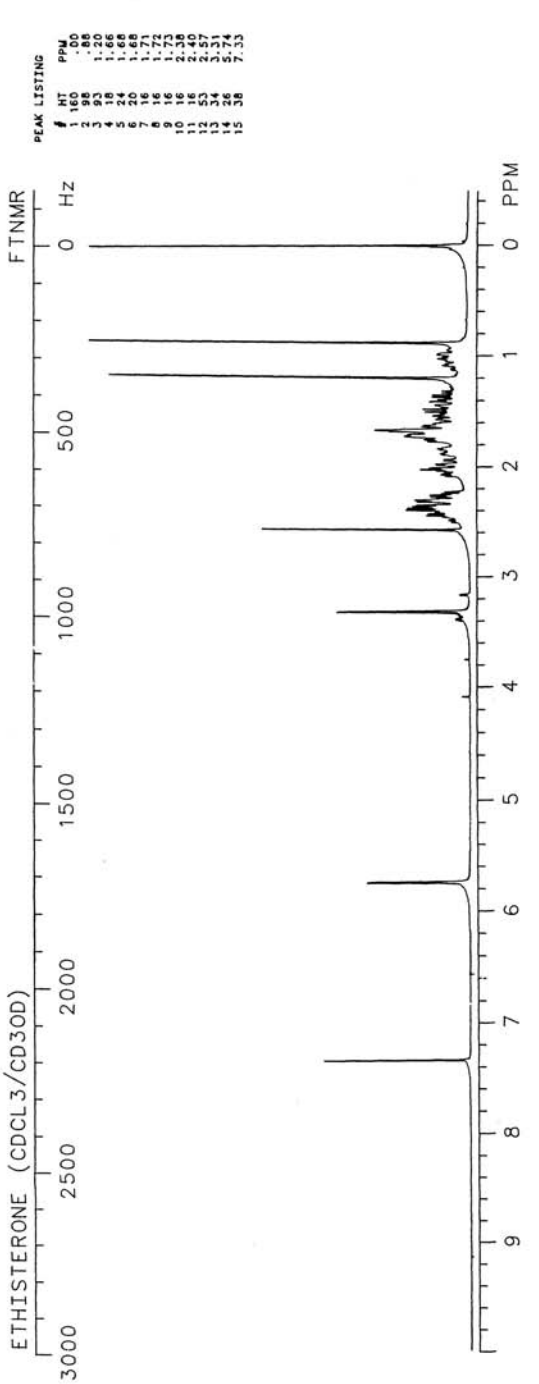
$C_{21}H_{28}O_2$

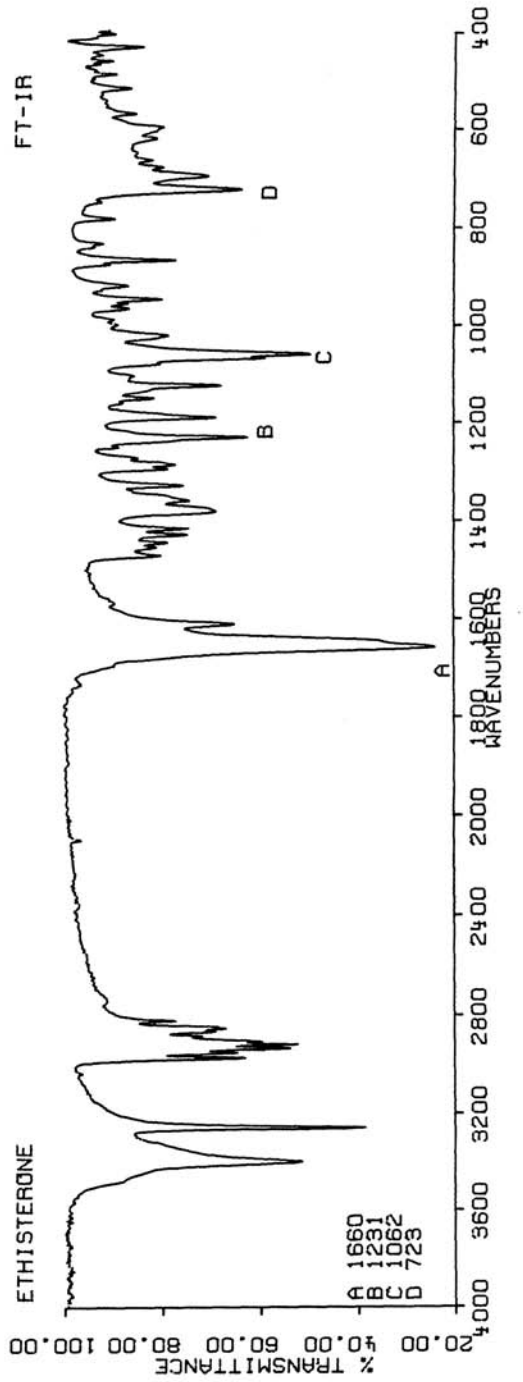
Molecular weight: 312.44 (312.21)
Synonyms: 17α-Hydroxypregn-4-en-20-yn-3-one; 17α-ethynyltestosterone; aethisteron; pregneninolone; pregnin; praegnin
Trade names: Etherone, Gestoral, Lutidon, Lutogyl, Lutoral, Oral, Ora-Lutin, Pranone, Primolut, Progestoral, Prolidon
Use: Progestin
HPLC:
GC: 2701; 250








ETHISTERONE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 160 .00
2 98 .88
3 93 1.20
4 15 1.26
5 24 1.66
6 20 1.68
7 16 1.71
8 16 1.72
9 16 1.73
10 16 2.18
11 16 2.40
12 53 2.57
13 34 3.31
14 26 5.74
15 38 7.33
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

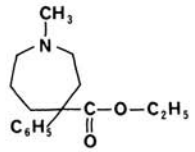

ETHISTERONE
FT-IR
A 1660
B 1231
C 1062
D 723
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

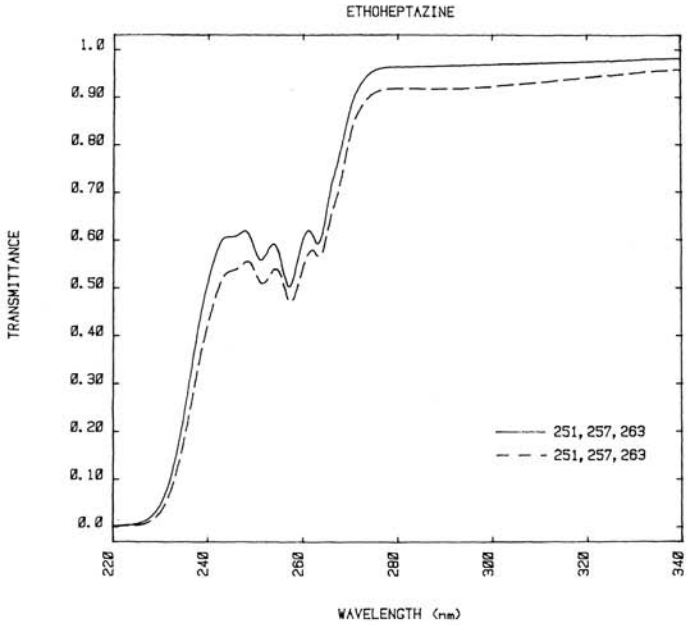
ETHOHEPTAZINE

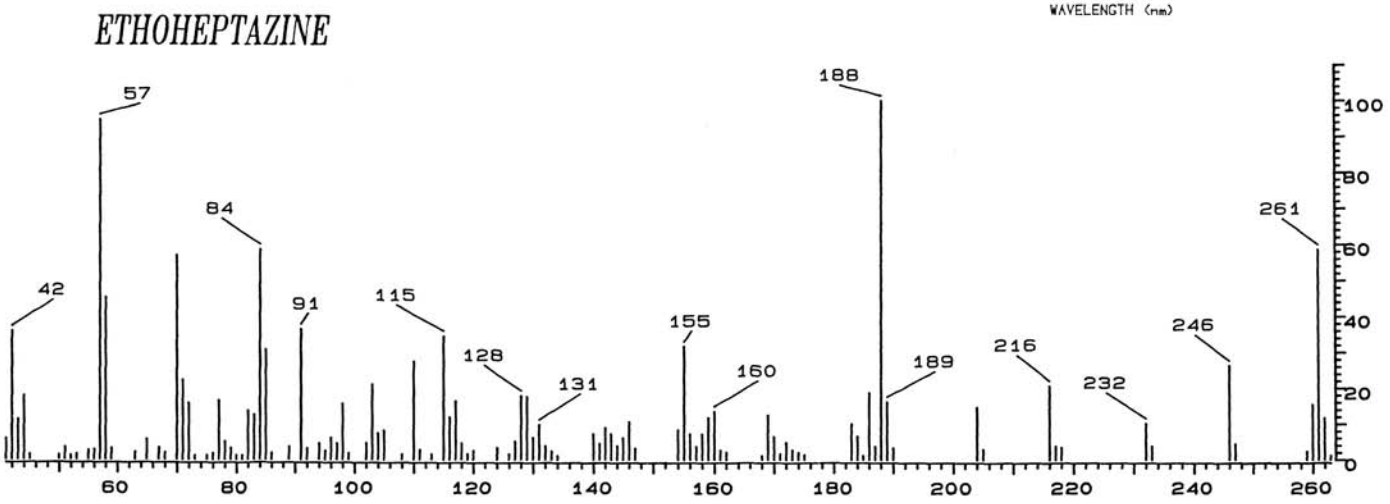
$C_{16}H_{23}NO_2$

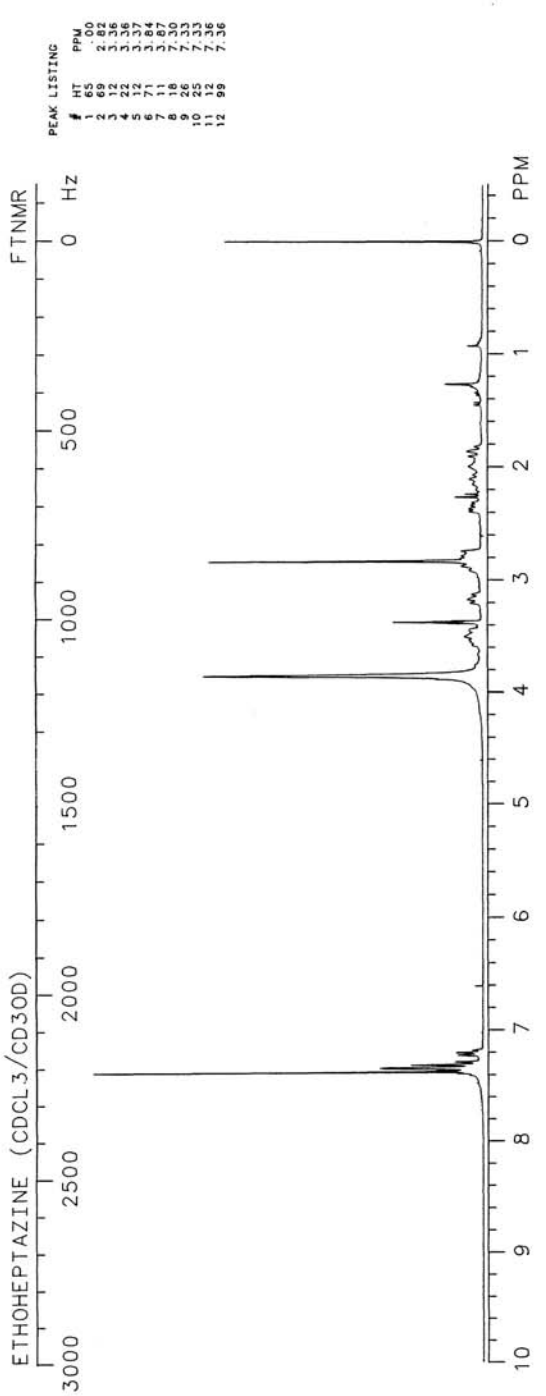
Molecular weight: 261.36 (261.17)
Synonyms: Hexahydro-1-methyl-4-phenylazepine-4-carboxylic acid ethyl ester; ethyl heptazine
Trade names: Equagesic, Meprogesic, Zactirin

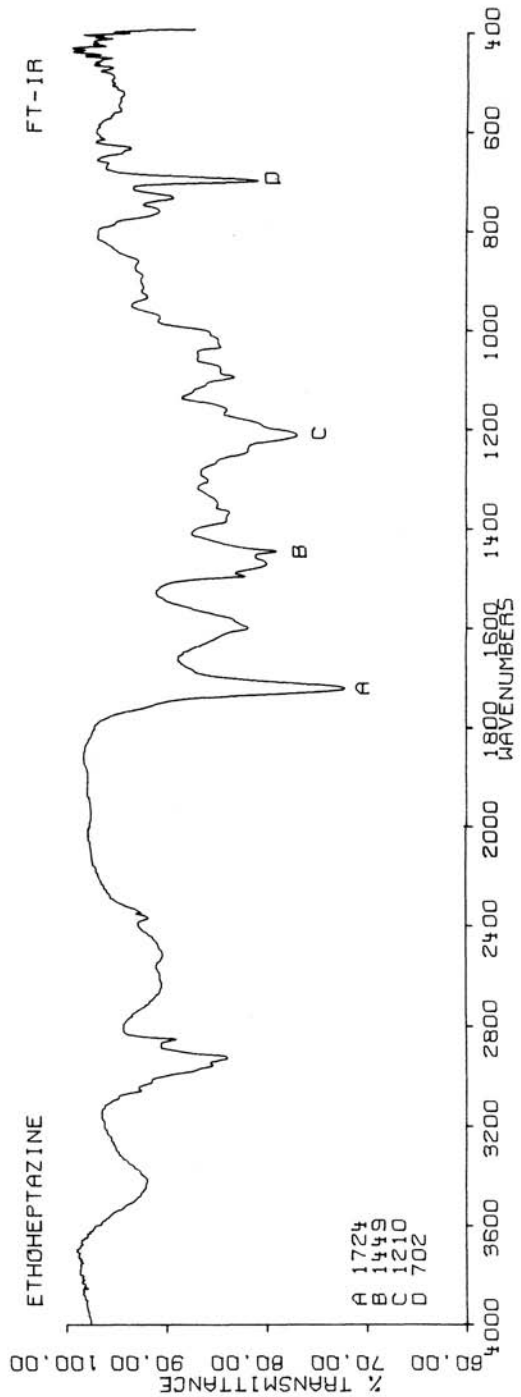
Use: Analgesic
HPLC: Si-10; 20A:80B; 6.5
GC: 1869; 200°C








FTNMR
ETHOHEPTAZINE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 65 .00
2 69 2.82
3 12 3.36
4 12 3.36
5 12 3.37
6 71 3.84
7 11 3.87
8 18 7.30
9 26 7.33
10 25 7.33
11 12 7.36
12 99 7.36
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

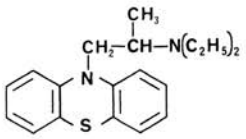

FT-IR
ETHOHEPTAZINE
A 1724
B 1449
C 1210
D 702
A
B
C
D
% TRANSMITTANCE
100.00 90.00 80.00 70.00 60.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

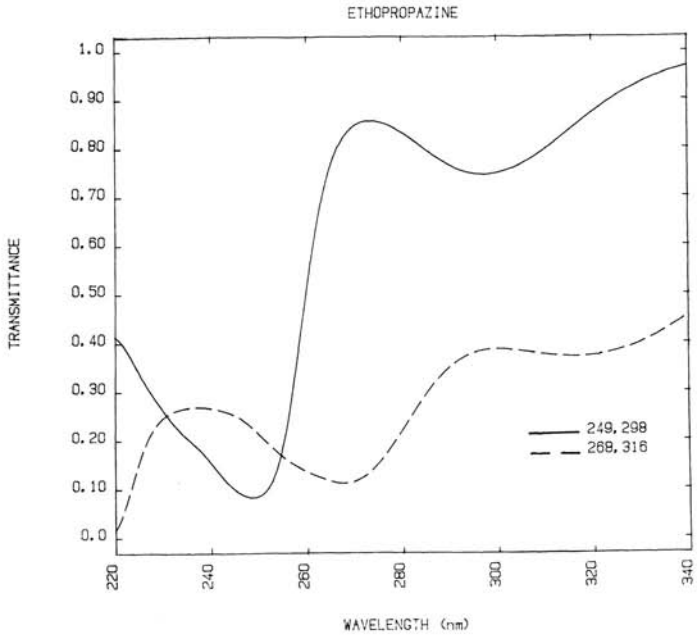
ETHOPROPAZINE

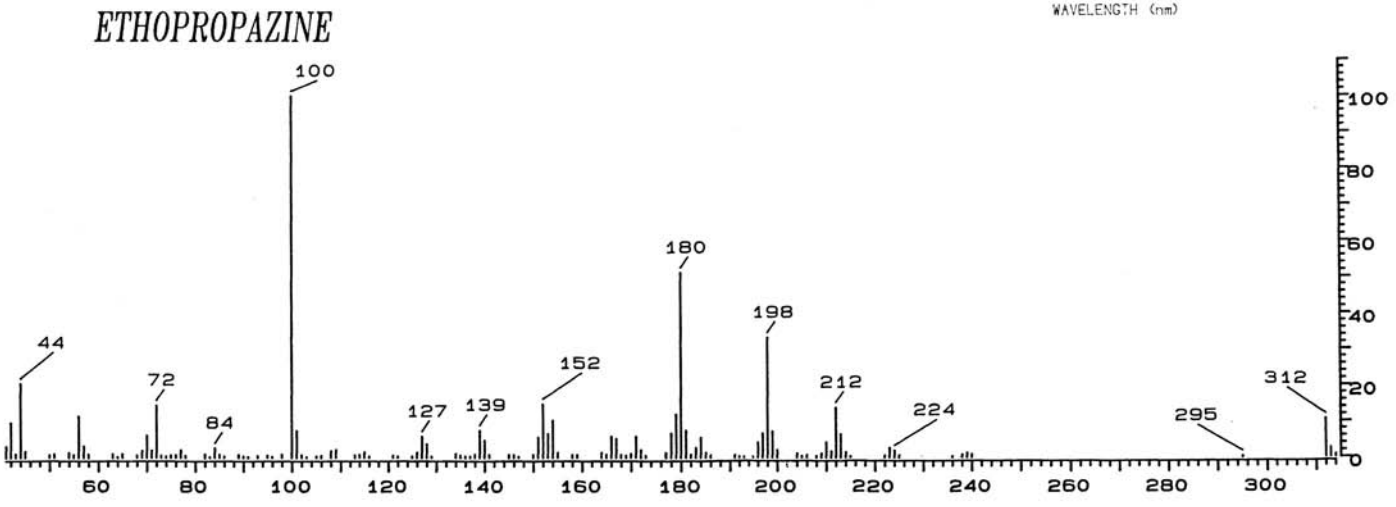
$C_{19}H_{24}N_2S$

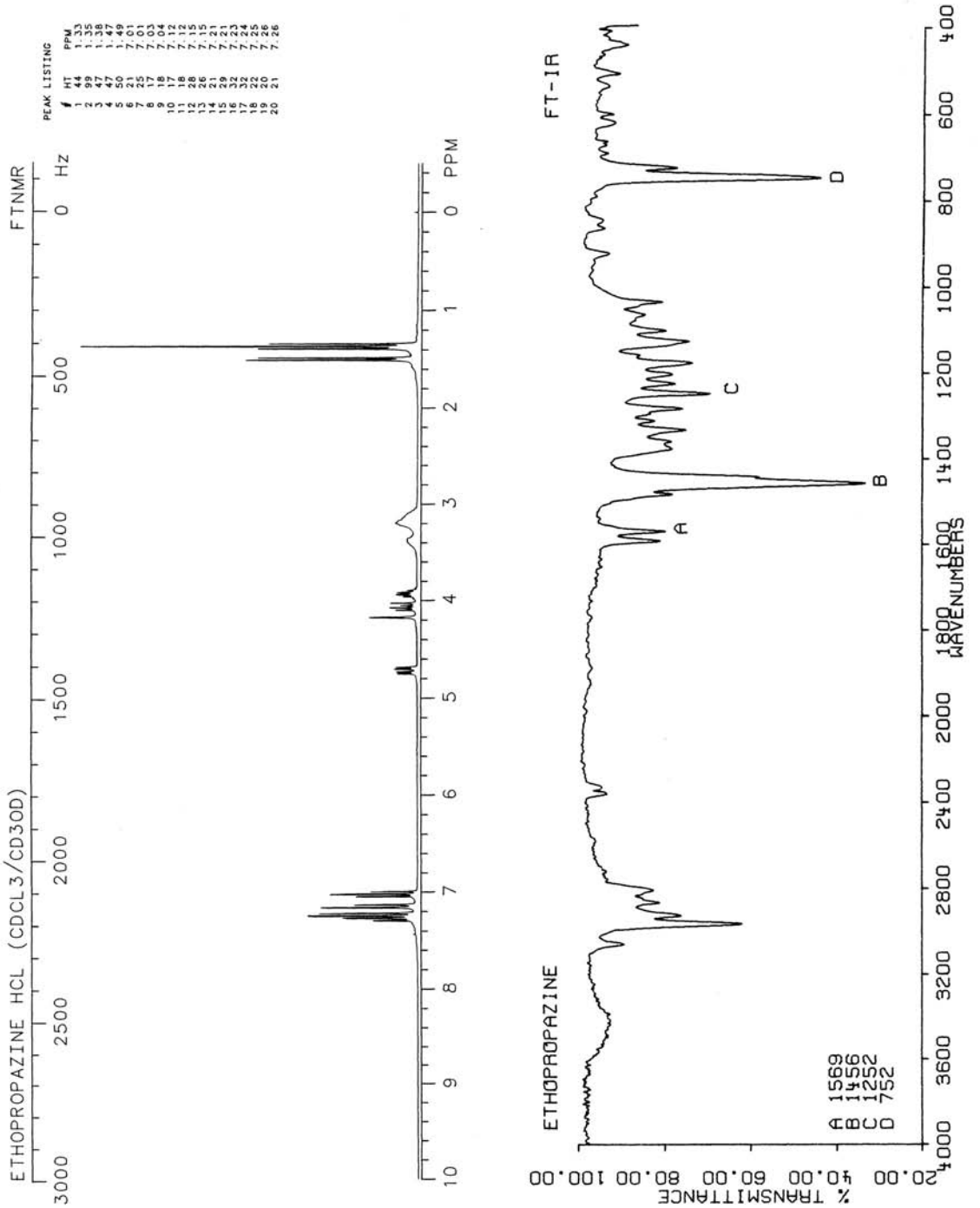
Molecular weight: 312.48 (312.17)
Synonyms: N,N-Diethyl-α-methyl-10H-phenothiazine-10-ethanamine; profenamine; phenopropazine
Trade names: Parsidol

Use: Antiparkinsonian, anticholinergic
HPLC: Si-10; 5A:95B; 3.8
GC: 2420; 250°C







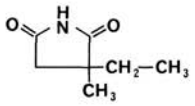

ETHOPROPAZINE HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 44 1.33
2 99 1.35
3 47 1.38
4 47 1.47
5 50 1.49
6 21 7.01
7 25 7.03
8 17 7.04
9 18 7.12
10 17 7.12
11 18 7.15
12 28 7.15
13 26 7.21
14 21 7.21
15 29 7.21
16 32 7.23
17 32 7.24
18 22 7.25
19 22 7.26
20 21 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ETHOPROPAZINE
FT-IR
A 1569
B 1456
C 1252
D 752
% 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

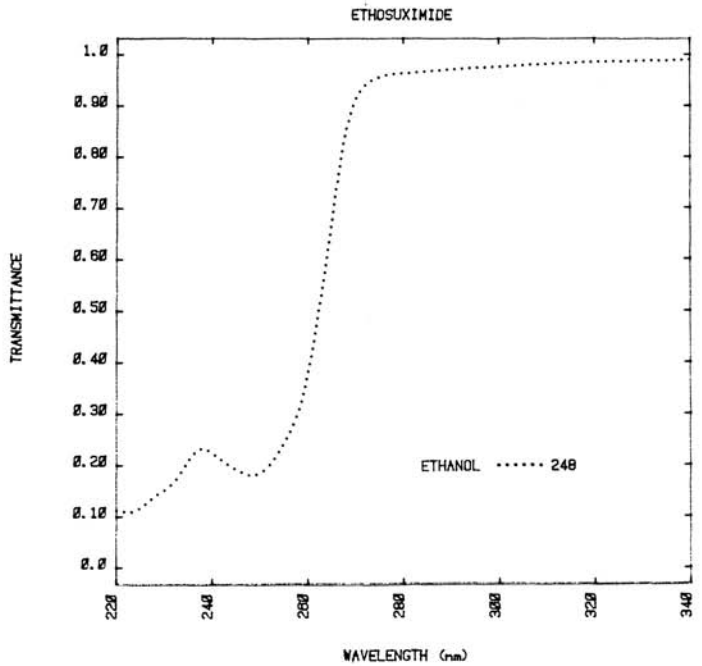
ETHOSUXIMIDE

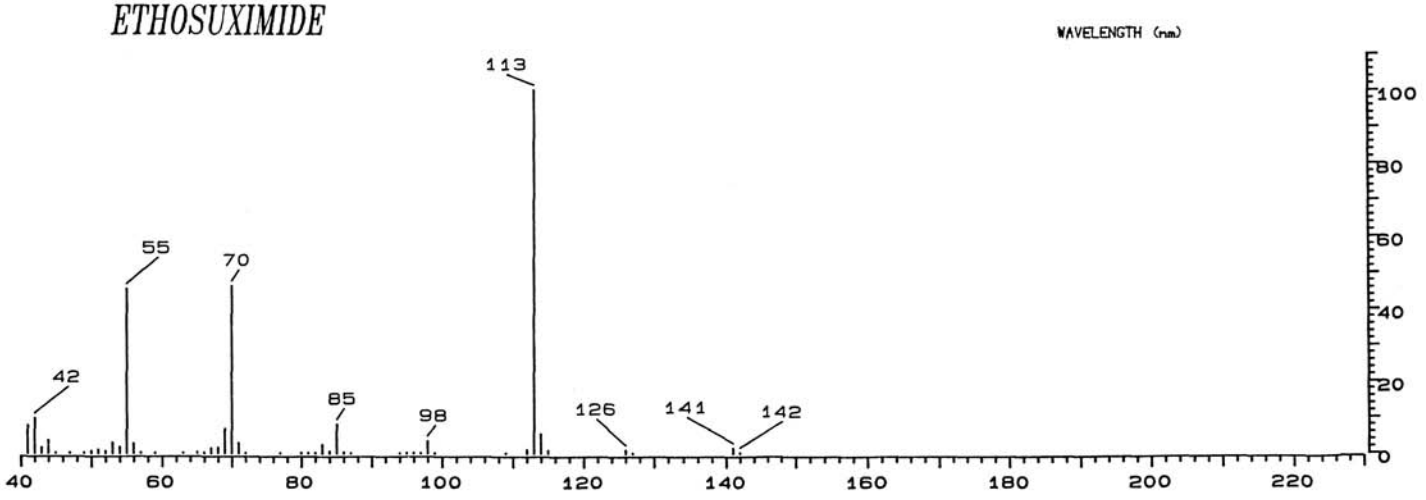
$C_7H_{11}NO_2$

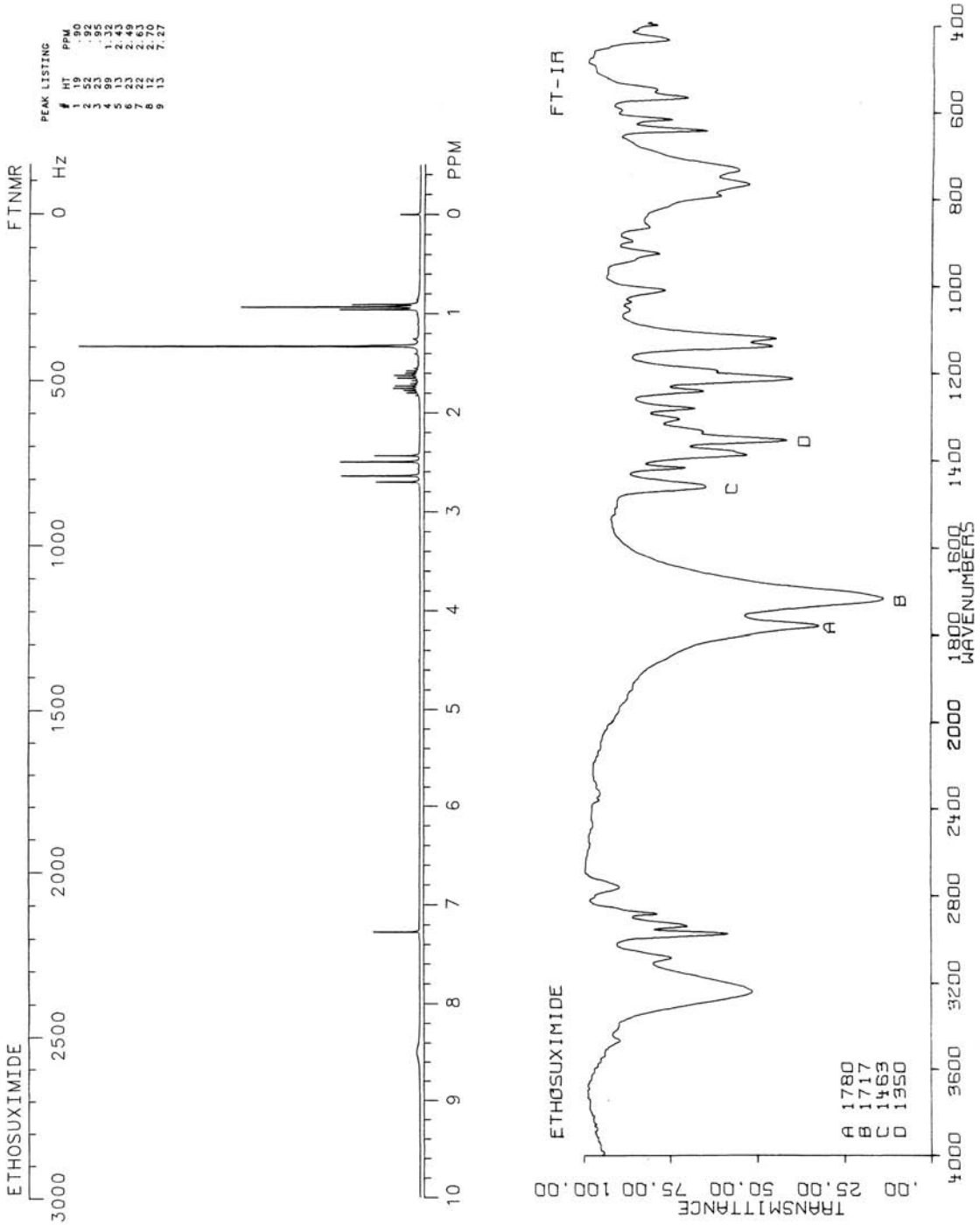
Molecular weight: 141.17 (141.08)
Synonyms: 3-Ethyl-3-methyl-2,5-pyrrolidine-dione; 2-ethyl-2-methylsuccinimide; α-ethyl-α-methylsuccinimide
Trade names: Zarontin

Use: Anticonvulsant
HPLC: Si-10; 1A:99B; 6.0
GC: 1209; 140°C








ETHOSUXIMIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 19 .90
2 52 .92
3 23 .95
4 99 1.32
5 13 2.43
6 33 2.49
7 22 2.63
8 12 2.70
9 13 7.27
10 9 8 7 6 5 4 3 2 1 0 PPM
ETHOSUXIMIDE
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 1780
B 1717
C 1463
D 1350
A
B
C
D

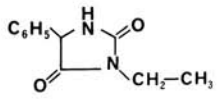
ETHOTOIN

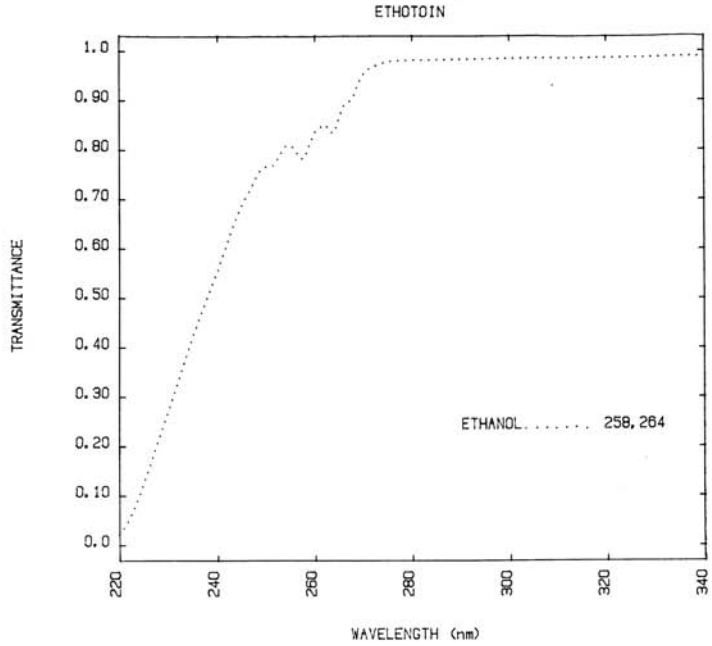
$C_{11}H_{12}N_2O_2$

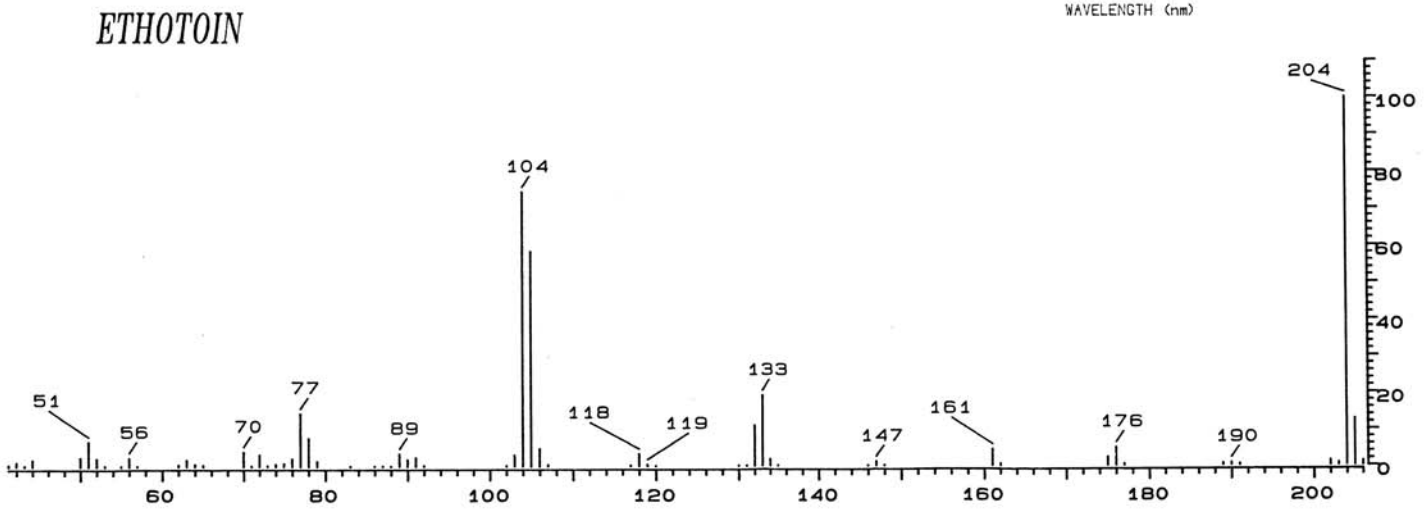
Molecular weight: 204.23 (204.09)
Synonyms: 3-Ethyl-5-phenyl-2,4-imidazolidinedione

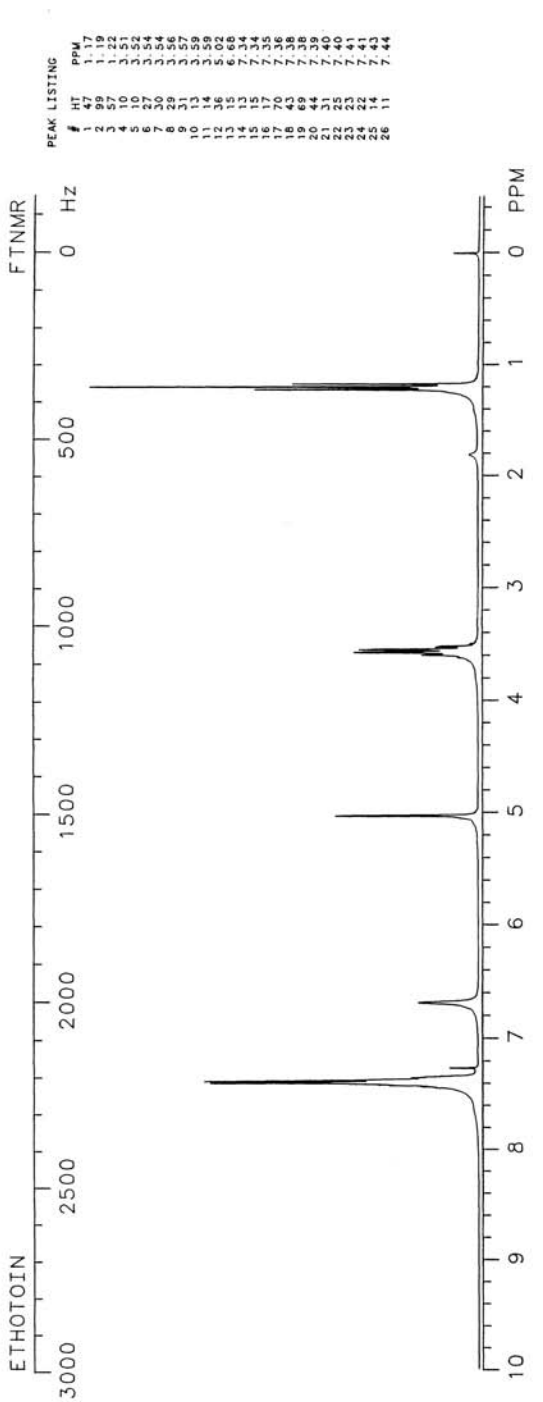
Trade names: Peganone

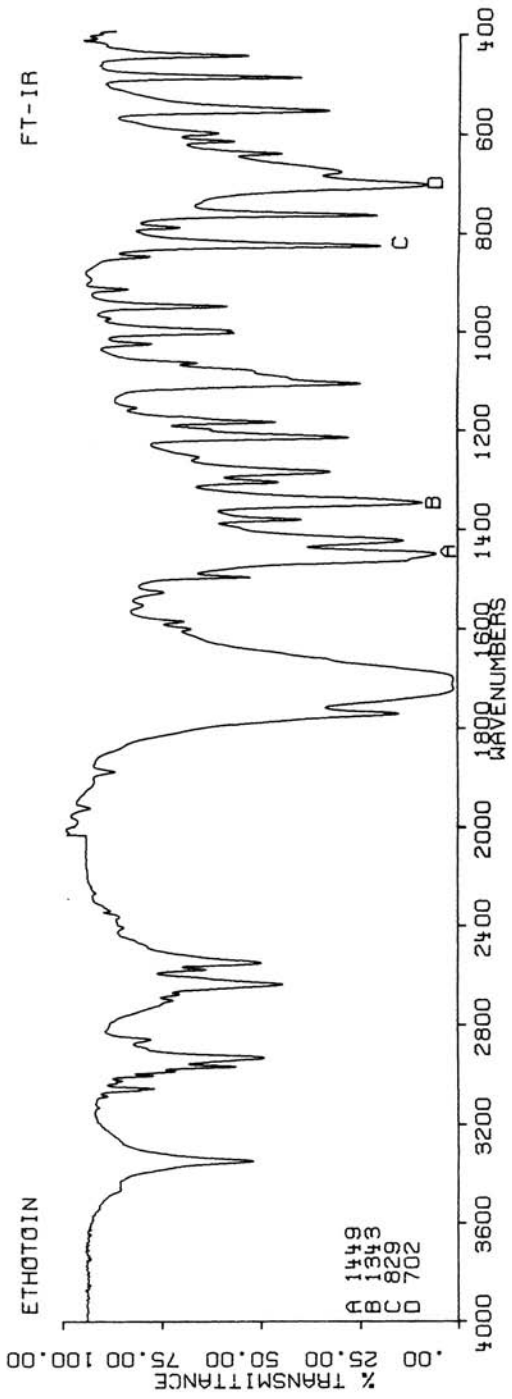
Use: Anticonvulsant
HPLC: Si-10; 1A:99B; 4.0
GC: 1618; 200°C








ETHOTOIN
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 1.17
2 99 1.19
3 57 1.22
4 10 3.51
5 10 3.52
6 27 3.54
7 30 3.54
8 29 3.56
9 31 3.57
10 13 3.59
11 14 3.59
12 36 5.02
13 15 6.68
14 13 7.34
15 15 7.34
16 17 7.35
17 70 7.36
18 43 7.38
19 69 7.38
20 44 7.39
21 31 7.40
22 25 7.40
23 23 7.41
24 22 7.41
25 14 7.43
26 11 7.44


FT-IR
ETHOTOIN
A 1449
B 1343
C 829
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
A
B
C
D

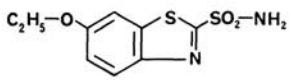
ETHOXZOLAMIDE

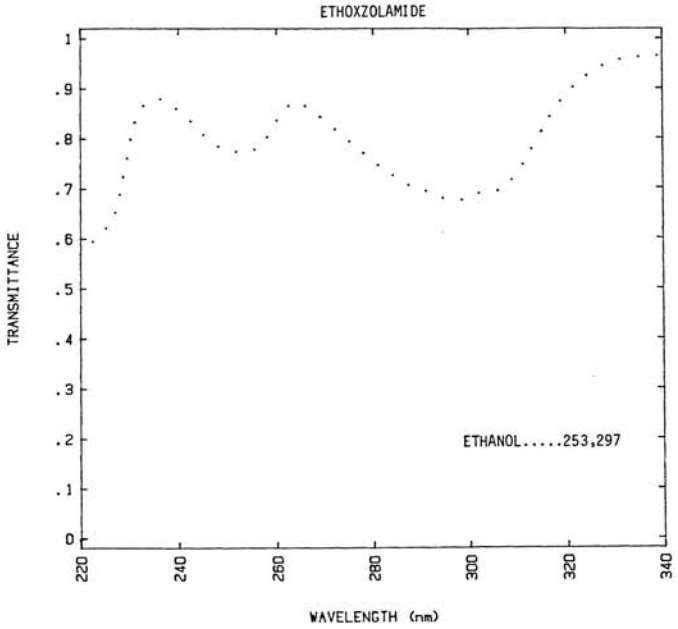
$C_9H_{10}N_2O_3S_2$

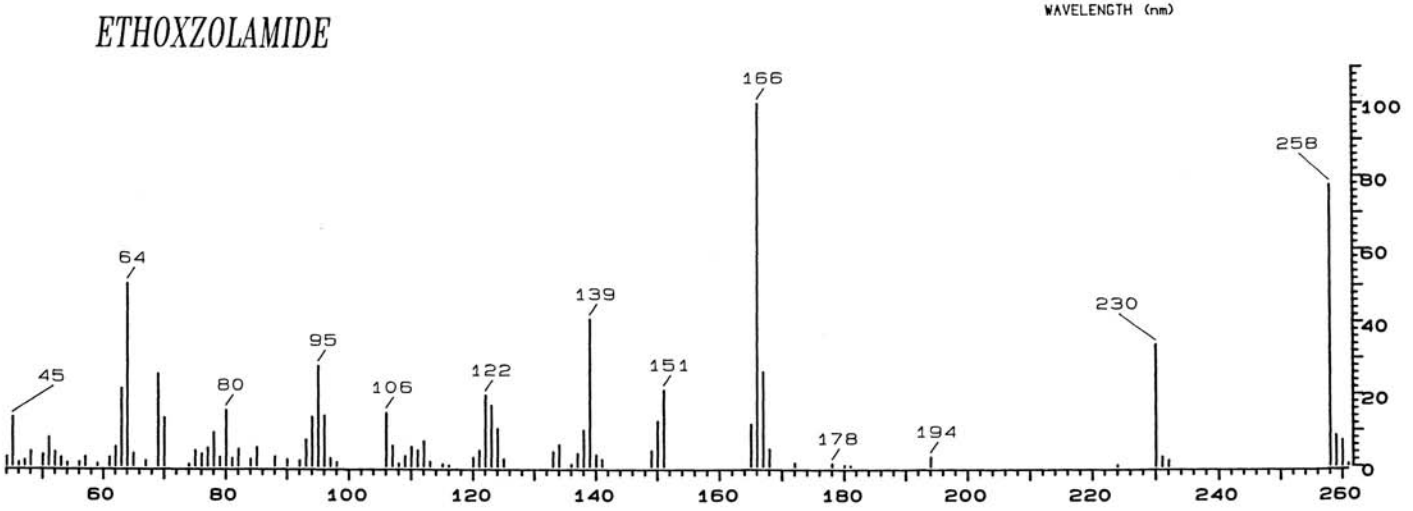
Molecular weight: 258.33 (258.01)
Synonyms: 6-Ethoxy-2-benzothiazolesulfonamide; ethoxyzolamide

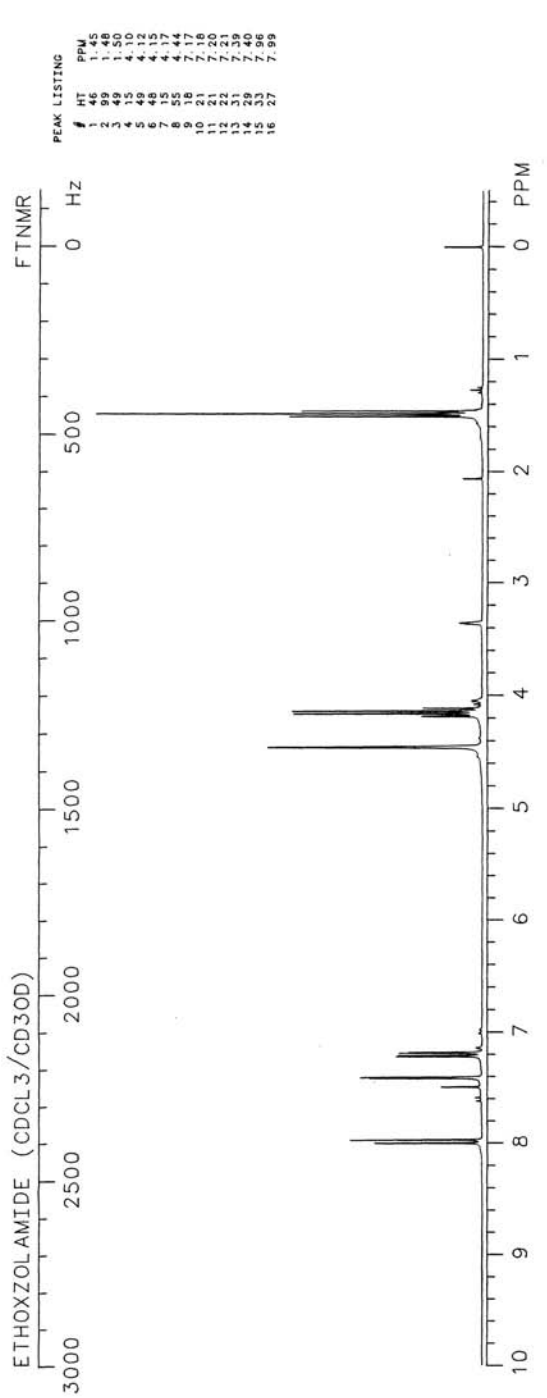
Trade names: Cardrase, Ethamide, Glaucotensil, Redupresin

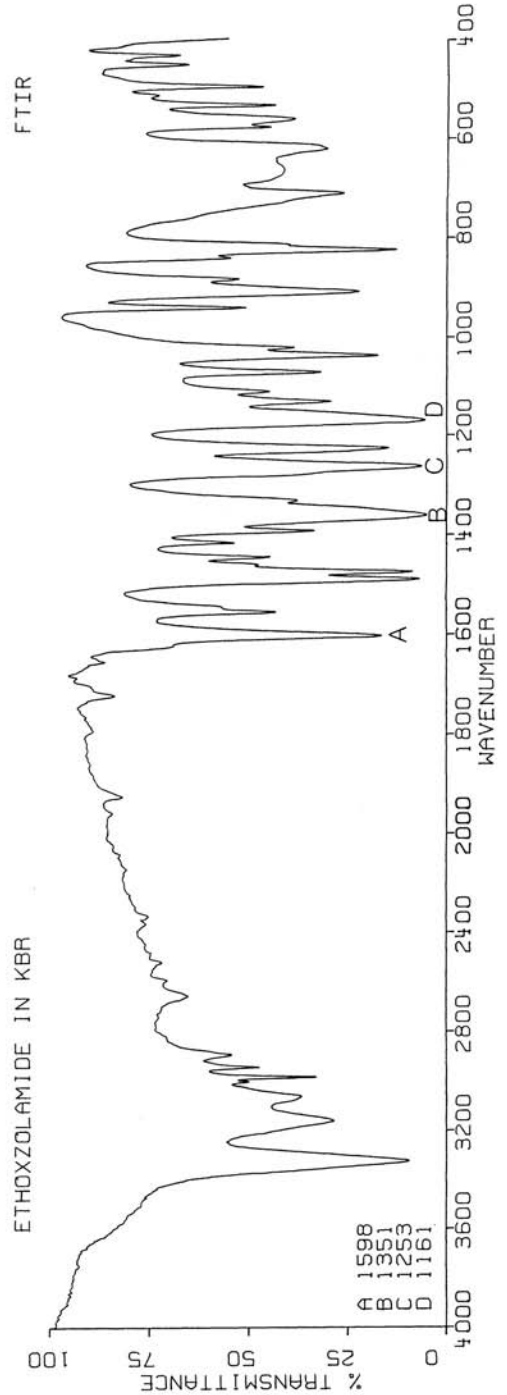
Use: Diuretic
HPLC: Si-10; 1A:99B; 3.4
GC: 2600; 280°C








ETHOXZOLAMIDE (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 46 1.45
2 99 1.48
3 49 1.50
4 15 4.10
5 49 4.12
6 48 4.15
7 55 4.17
8 15 4.44
9 18 7.17
10 21 7.18
11 21 7.20
12 22 7.21
13 31 7.39
14 29 7.40
15 33 7.96
16 27 7.99

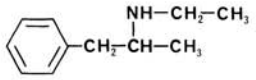

ETHOXZOLAMIDE IN KBR
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1598
B 1351
C 1253
D 1161

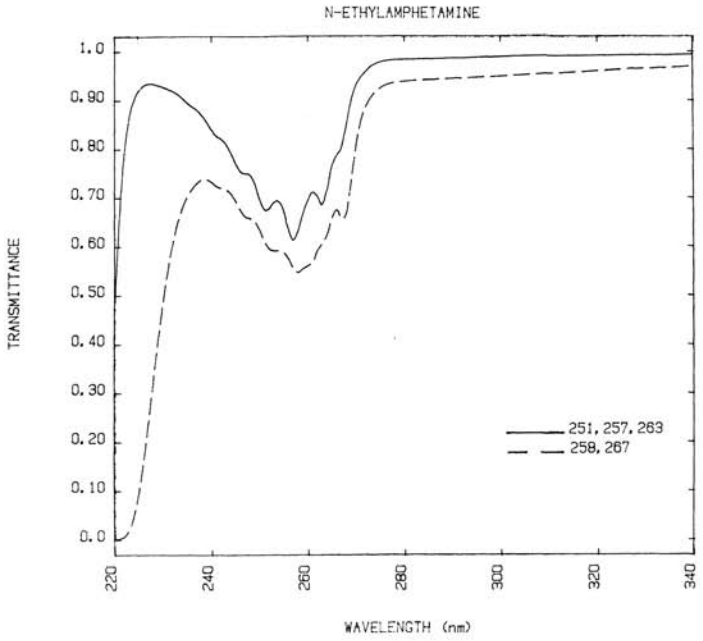
N-ETHYLAMPHETAMINE

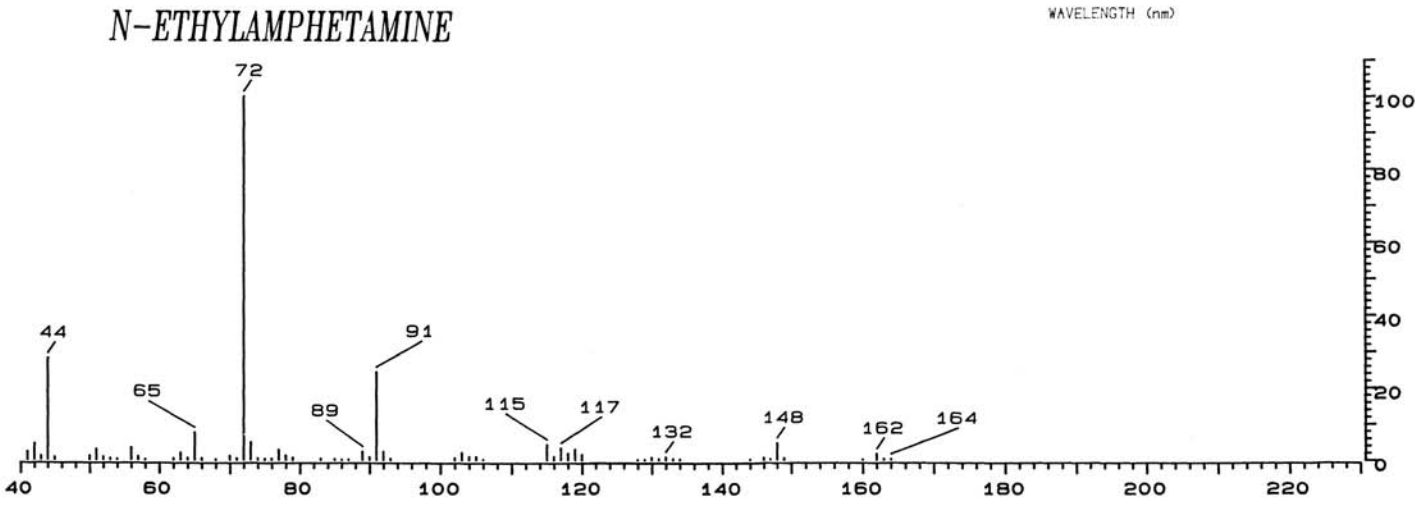
$C_{11}H_{17}N$

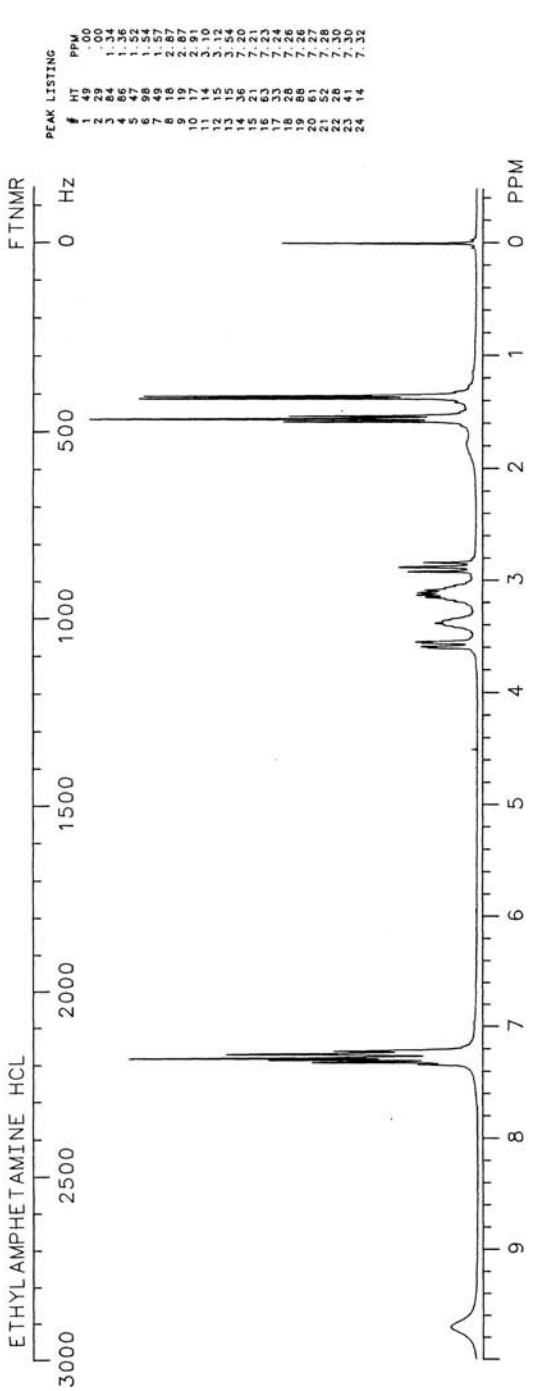
Molecular weight: 163.26 (163.14)
Synonyms: N-Ethyl-α-methylbenzenethanamine; 2-ethylamino-1-phenylpropane, NEA
Trade names: Adiparthrol, Apetinil

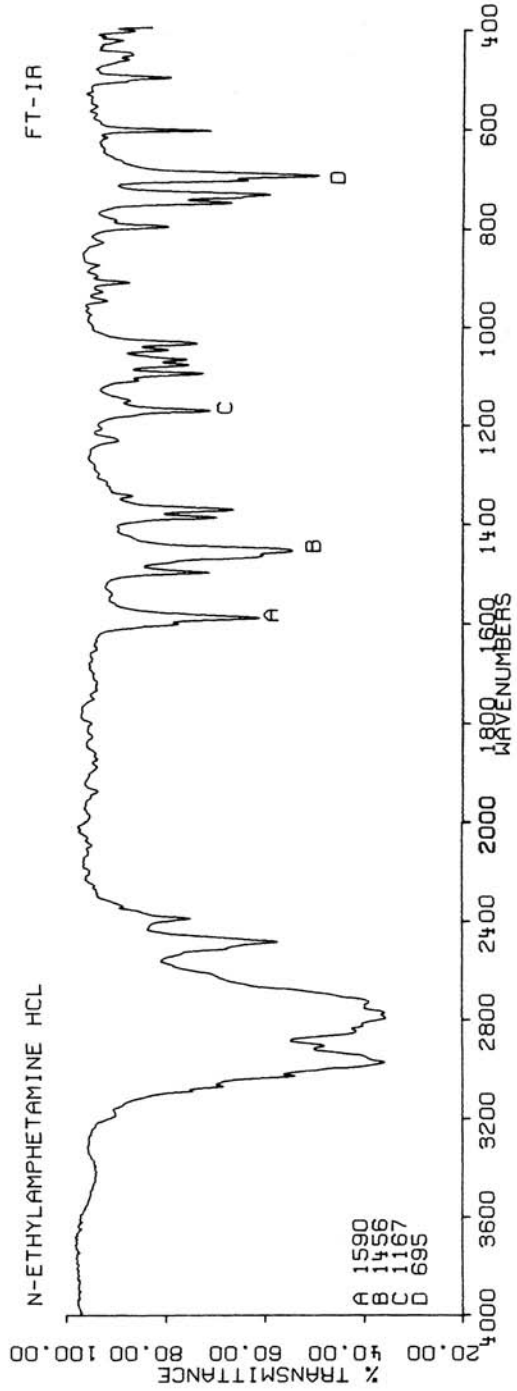
Use: Anorexic
HPLC: Si-10; 20A:80B; 5.0
GC: 1231; 140°C








ETHYLAMPHETAMINE HCL
FTNMR
PEAK LISTING
HT PPM
1 49 .00
2 29 .00
3 84 1.34
4 86 1.36
5 47 1.52
6 98 1.54
7 49 1.57
8 18 2.87
9 19 2.87
10 17 3.10
11 14 3.10
12 15 3.12
13 15 3.54
14 36 7.20
15 21 7.21
16 53 7.23
17 31 7.24
18 28 7.26
19 88 7.26
20 61 7.27
21 52 7.28
22 28 7.30
23 41 7.30
24 14 7.32
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

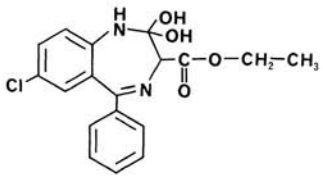

N-ETHYLAMPHETAMINE HCL
FT-IR
A 1590
B 1456
C 1167
D 695
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

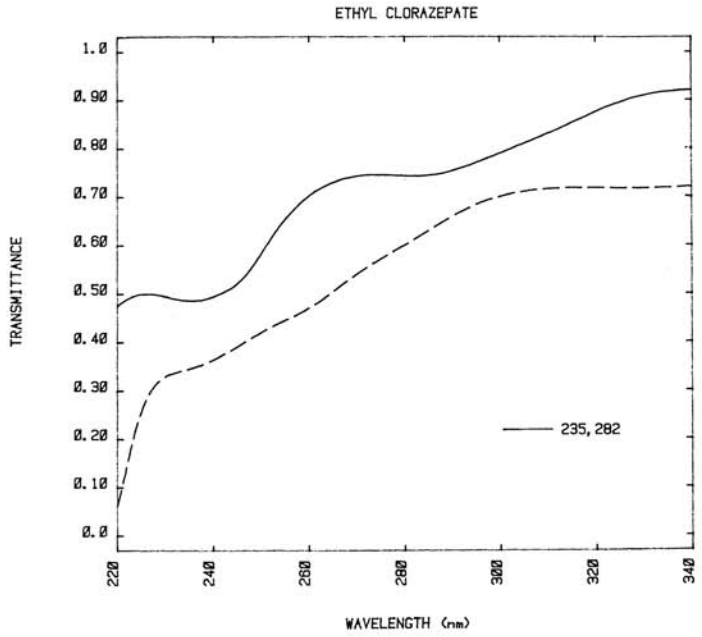
ETHYL CLORAZEPATE

$C_{18}H_{17}ClN_2O_4$

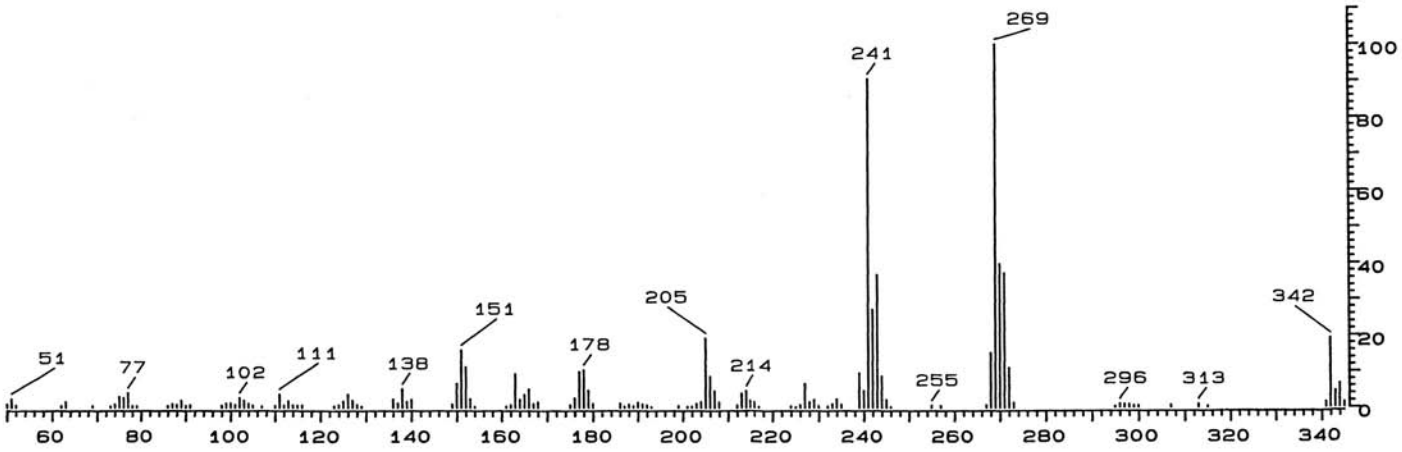
Molecular weight: 360.80 (360.09)
Synonyms: 7-Chloro-2,3-dihydro-2,2-dihydroxy-5-phenyl-1H-1,4-benzodiazepine-3-ethyl ester
Trade names:

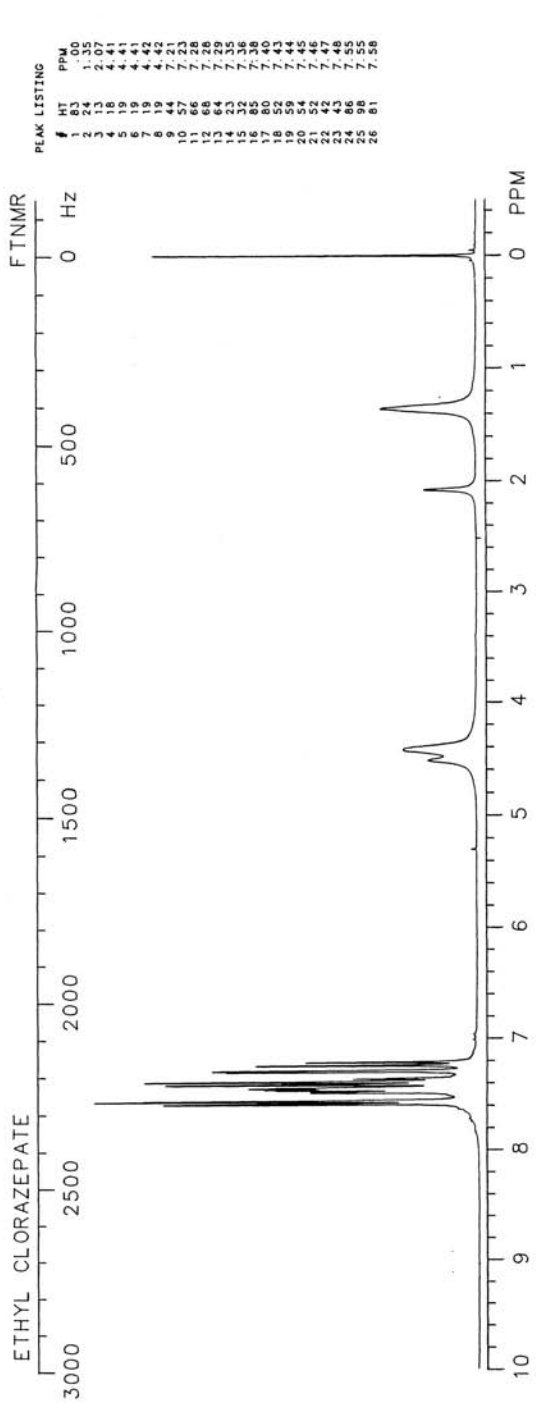
Use: Tranquilizer
HPLC: Si-10; 1A:99B; 10.5
GC:

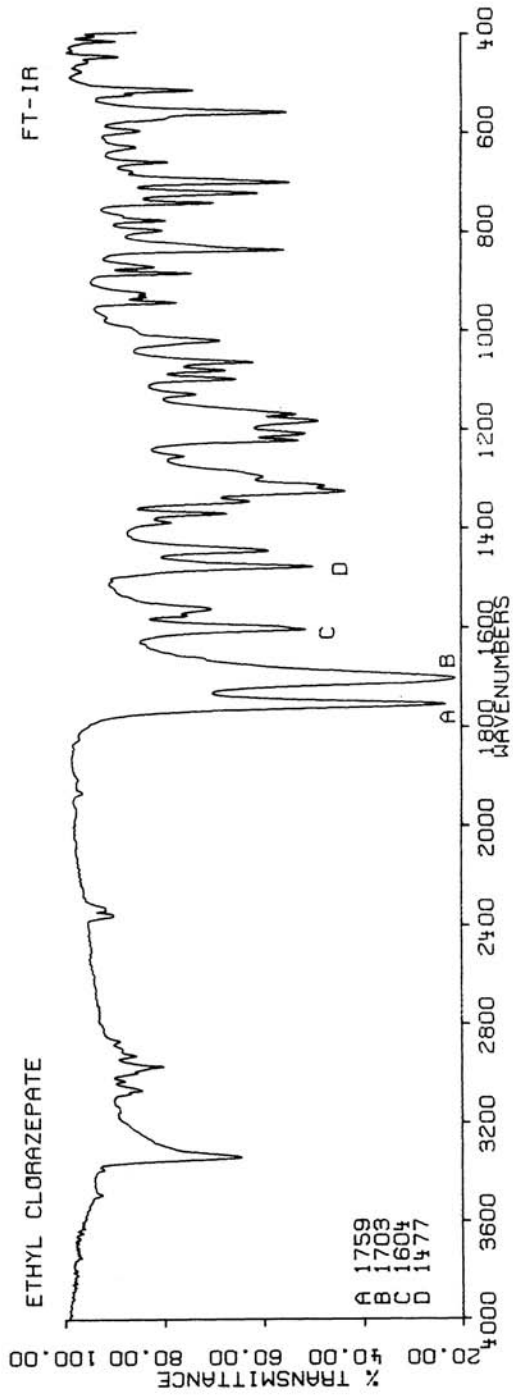




ETHYL CLORAZEPATE--DIP



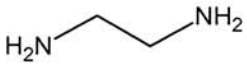

ETHYL CLORAZEPATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 83 .00
2 24 1.35
3 13 2.07
4 18 4.41
5 19 4.41
6 19 4.42
7 19 4.42
8 19 4.42
9 44 7.21
10 57 7.23
11 66 7.28
12 68 7.28
13 64 7.29
14 23 7.35
15 32 7.36
16 85 7.38
17 80 7.40
18 52 7.43
19 59 7.44
20 54 7.45
21 52 7.46
22 42 7.47
23 43 7.48
24 86 7.55
25 98 7.55
26 81 7.58

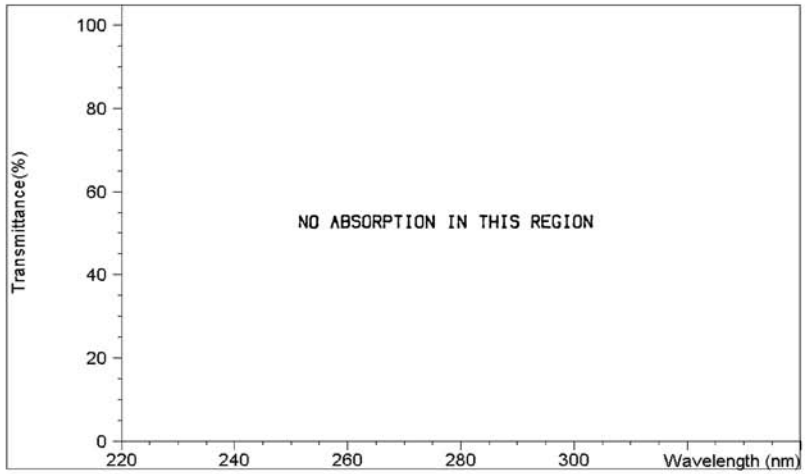

FT-IR
ETHYL CLORAZEPATE
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1759
B 1703
C 1604
D 1477

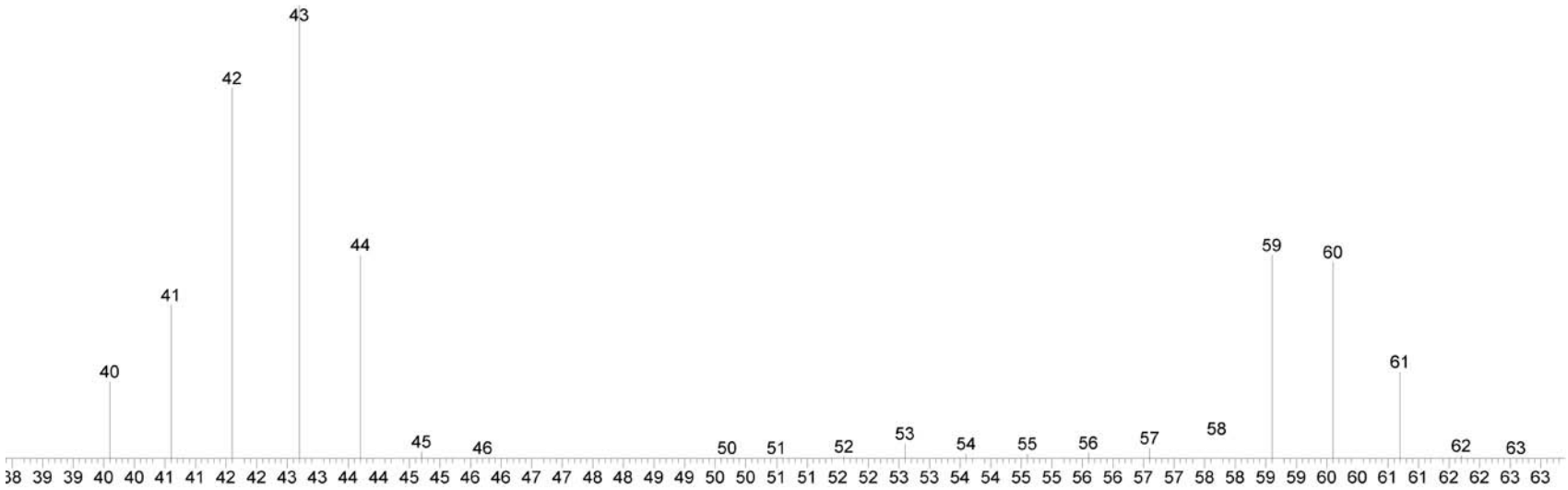
ETHYLENEDIAMINE

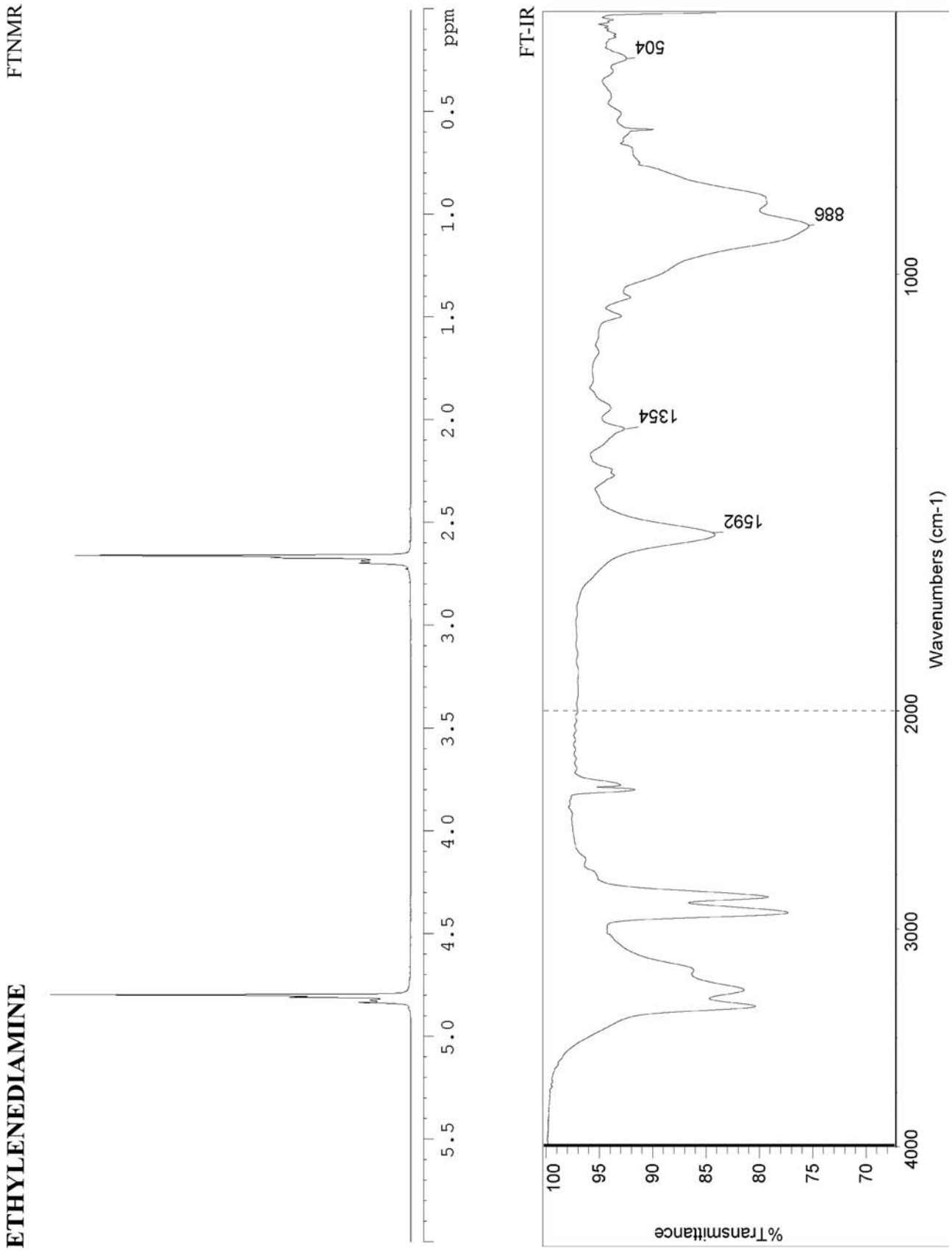
$C_2H_8N_2$

Molecular Weight: 60.10 (60.07)
Synonyms: 1,2-Ethanediamine, 1,2-diaminothane
Trade names:
Use: Solvent







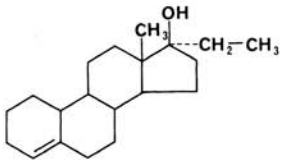

ETHYLENEDIAMINE
FTNMR
ppm
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
FT-IR
%Transmittance
100
95
90
85
80
75
70
4000
3000
2000
1000
Wavenumbers (cm-1)
504
886
1354
1592

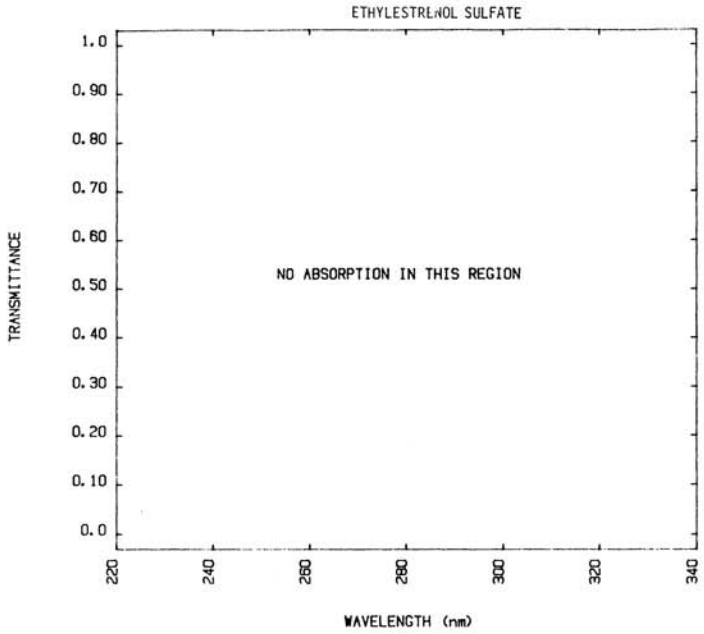
ETHYLESTRENOL

$C_{20}H_{32}O$

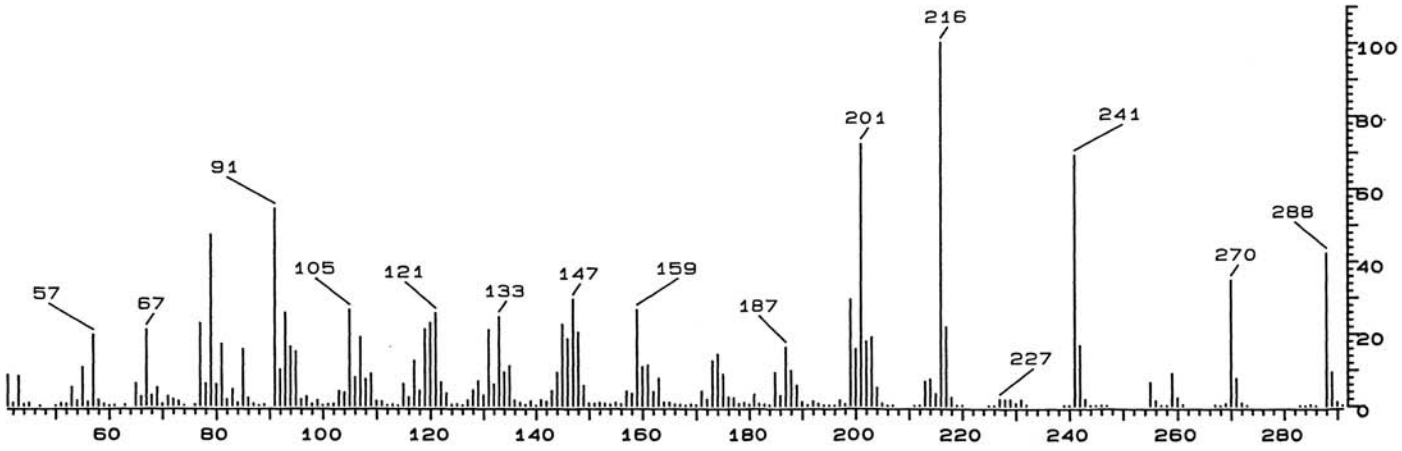
Molecular weight: 288.47 (288.25)
Synonyms: 19-Nor-17α-pregn-4-en-17-ol; 17β-hydroxy-17α-ethyl-19-nor-4-androstene
Trade names: Orabolin

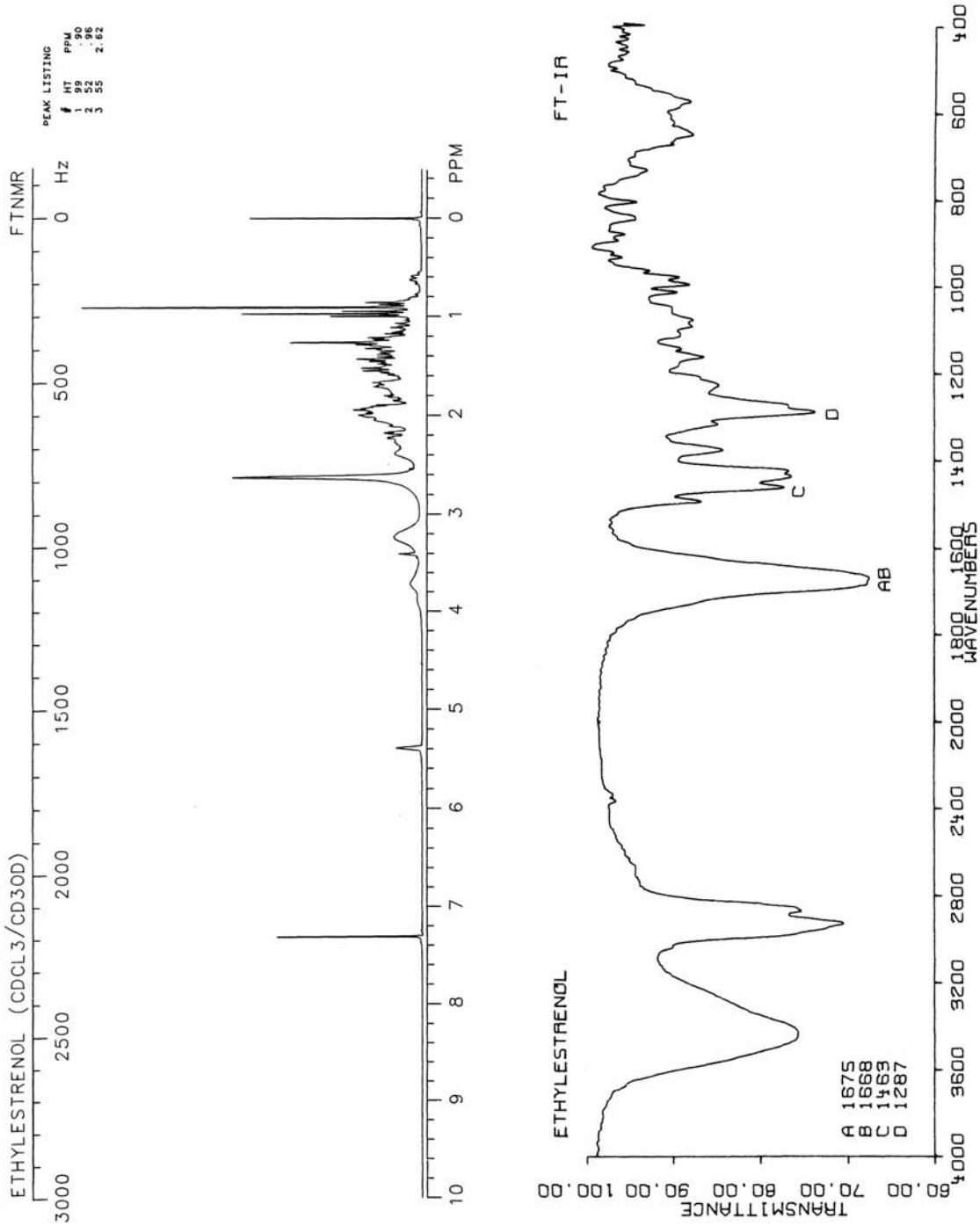
Use: Anabolic
HPLC:
GC: 2402; 280°C





ETHYLESTRENOL SULFATE




ETHYLESTRENOL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 .90
2 52 .96
3 55 2.62
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ETHYLESTRENOL
FT-IR
A 1675
B 1668
C 1463
D 1287
AB
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

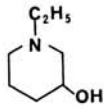
ETHYL-3-HYDROXYPIPERIDINE

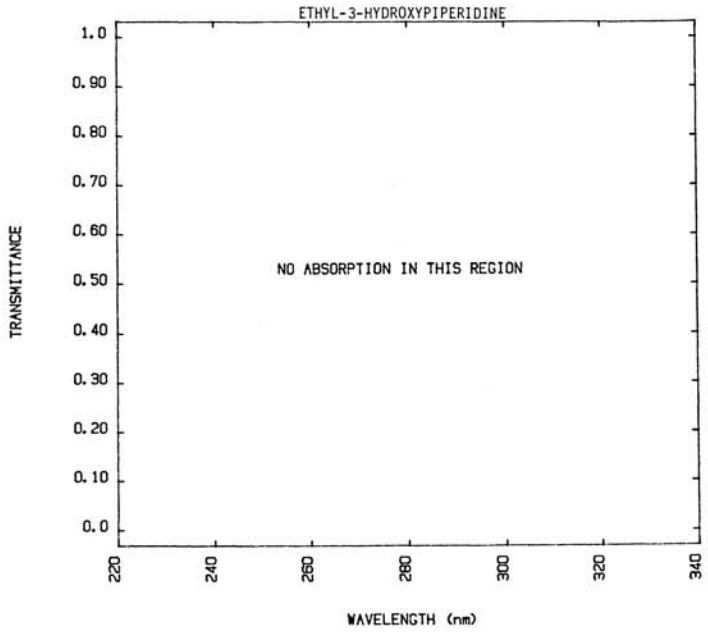
$C_7H_{15}NO$

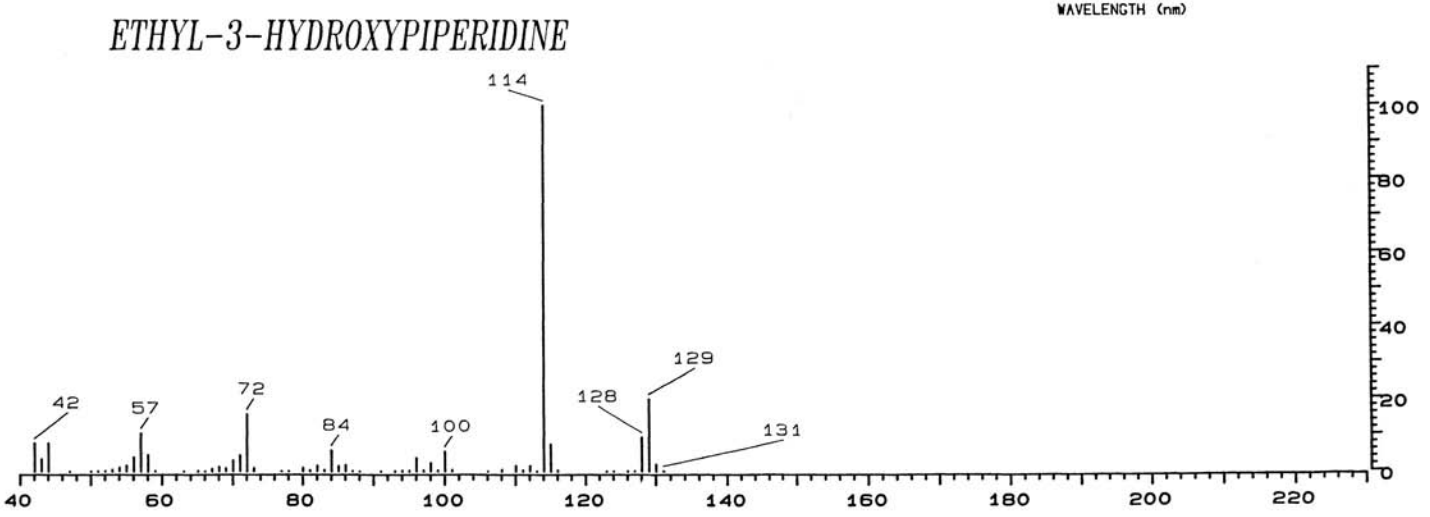
Molecular weight: 129.20 (129.12)
Synonyms: 1-Ethyl-3-piperidinol

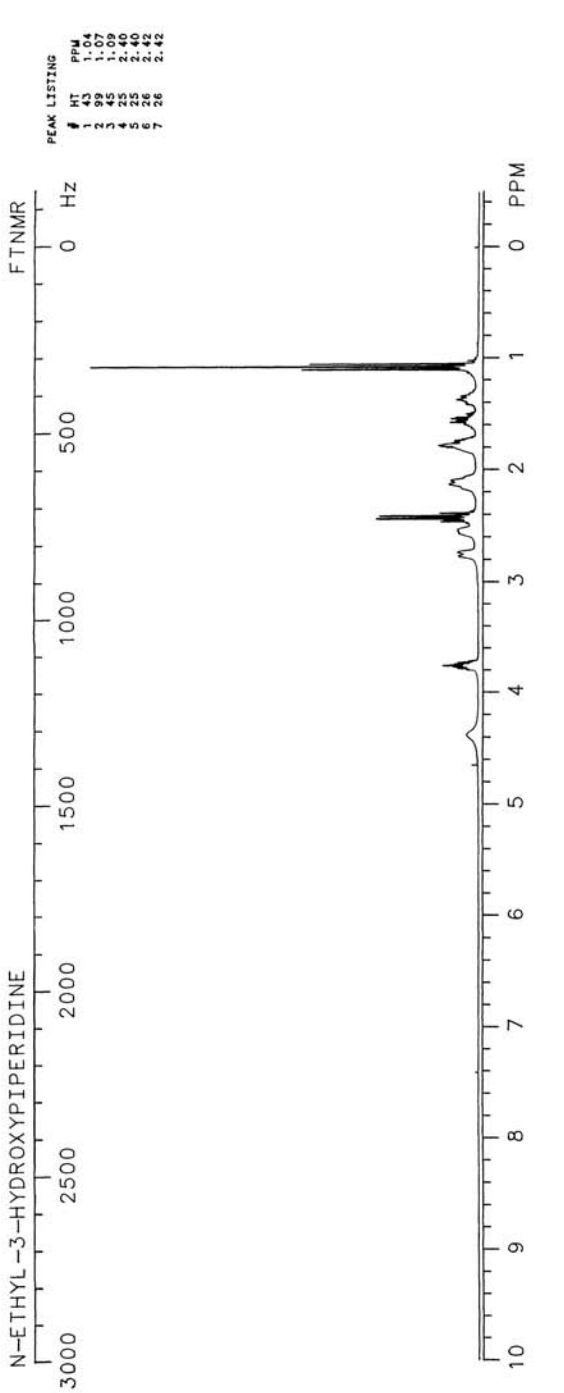
Trade names: Dactilake

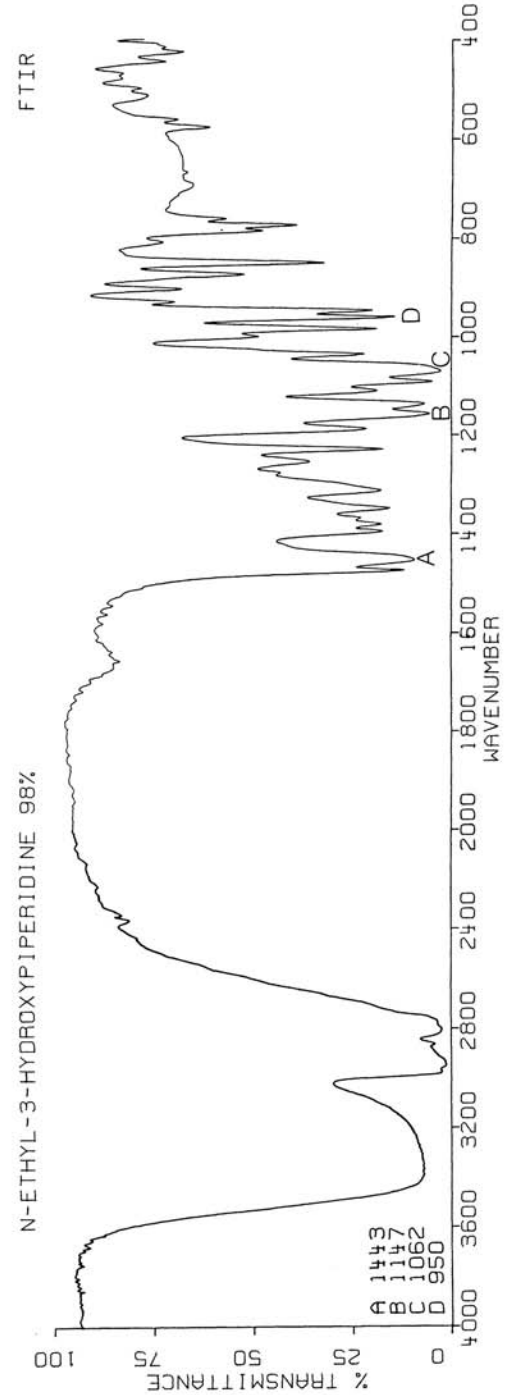
Use: Antispasmodic
HPLC: Si-10; 20A:80B; 3.5
GC:








N-ETHYL-3-HYDROXYPIPERIDINE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 43 1.04
2 99 1.07
3 45 1.09
4 25 2.40
5 26 2.40
6 26 2.42
7 26 2.42
0 1 2 3 4 5 6 7 8 9 10 PPM


N-ETHYL-3-HYDROXYPIPERIDINE 98%
FTIR
A 1443
B 1147
C 1062
D 950
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

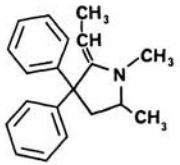
2-ETHYLIDENE-1,5-DIMETHYL-3, 3-DI-PHENYLPYRROLIDINE

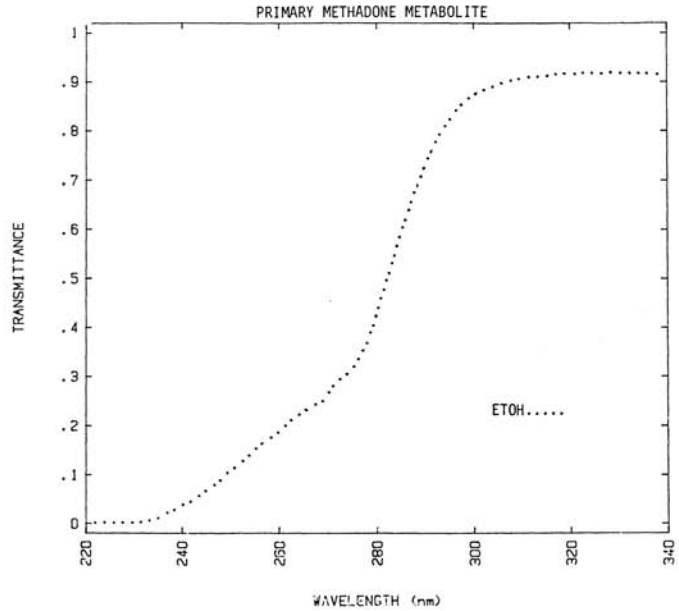
$C_{20}H_{23}N$

Molecular weight: 277.41 (277.18)
Synonyms: EDDP

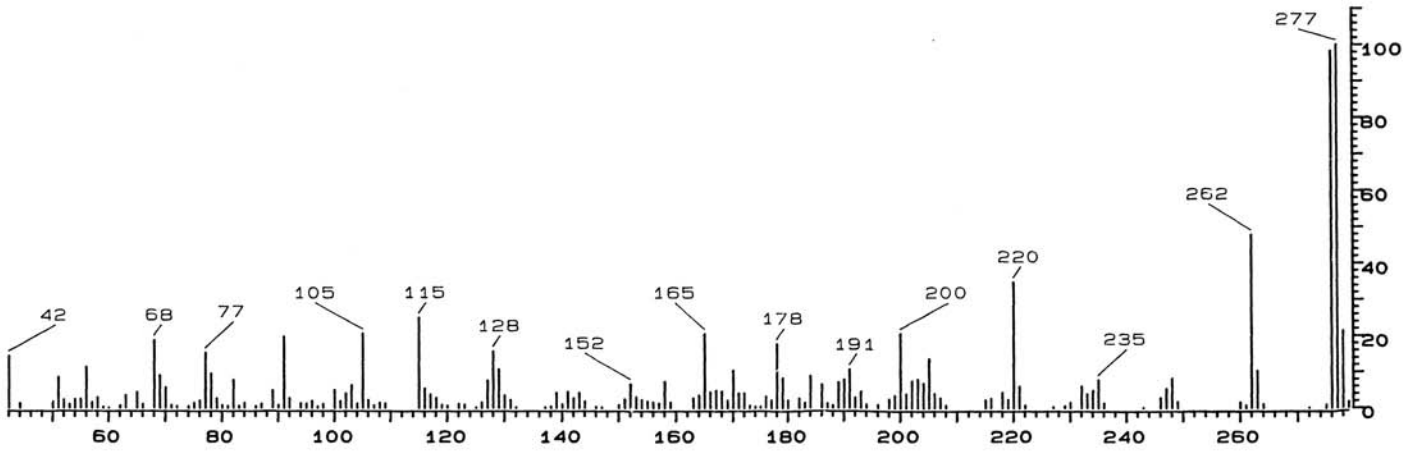
Trade names:

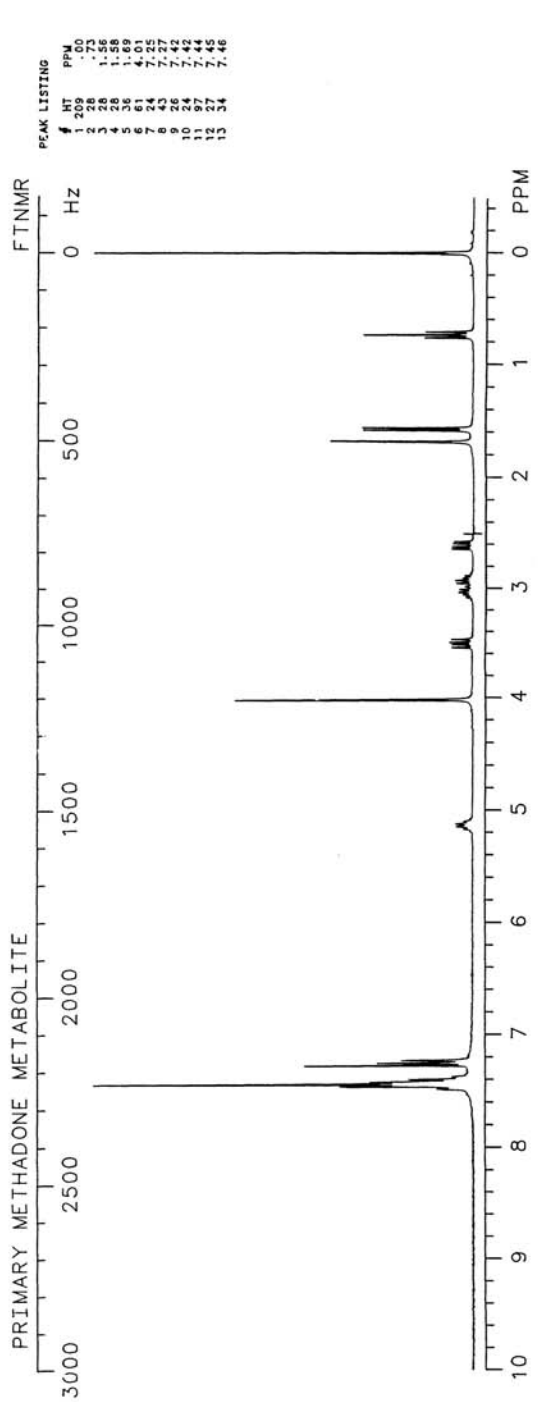
Use: Primary methadone metabolite
HPLC:
GC: 2081; 200°C

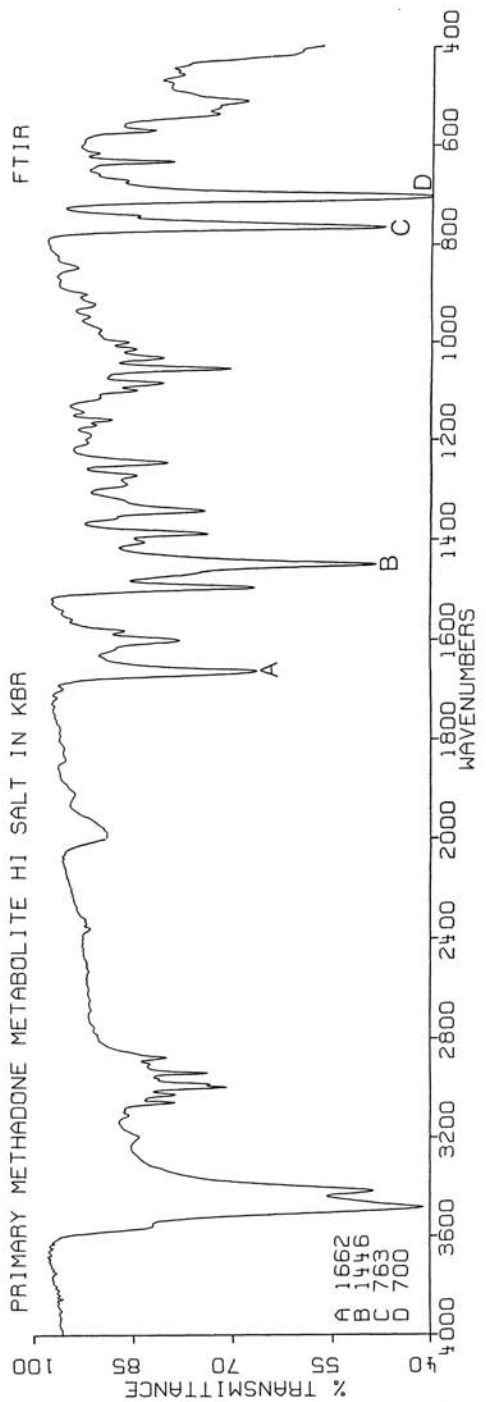




PRIMARY METHADONE METABOLITE




PRIMARY METHADONE METABOLITE
FTNMR
PEAK LISTING
HT PPM
1 209 .00
2 28 .75
3 28 1.56
4 28 1.58
5 36 1.69
6 61 4.01
7 24 7.25
8 43 7.27
9 26 7.42
10 24 7.44
11 97 7.45
12 27 7.45
13 34 7.46
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


PRIMARY METHADONE METABOLITE HI SALT IN KBR
FTIR
A 1662
B 1446
C 763
D 700
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

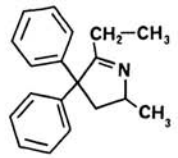
2-ETHYL-5-METHYL-3,3-DIPHENYLPYRROLINE

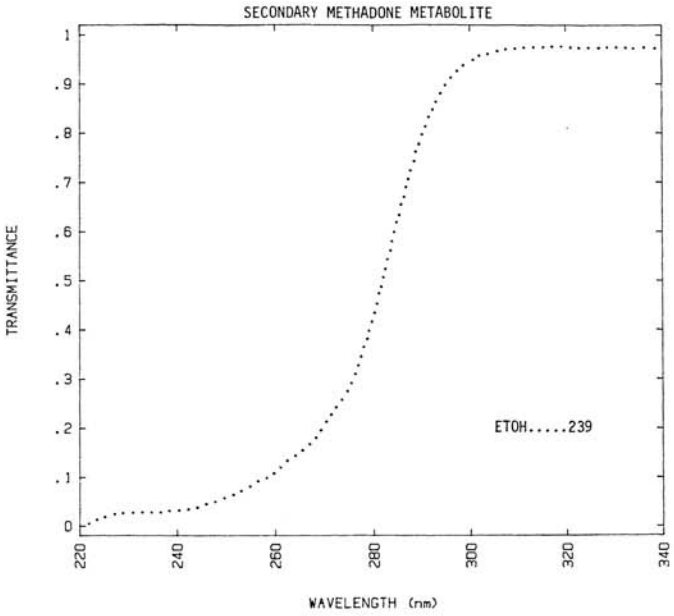
$C_{19}H_{21}N$

Molecular weight: 263.38 (263.17)
Synonyms: EMDP

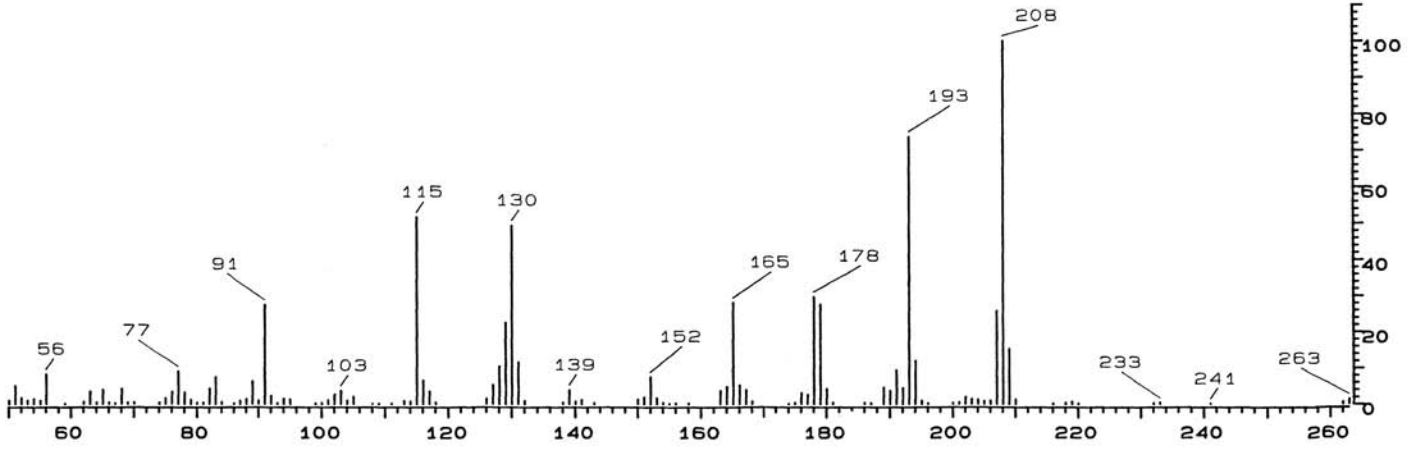
Trade names:

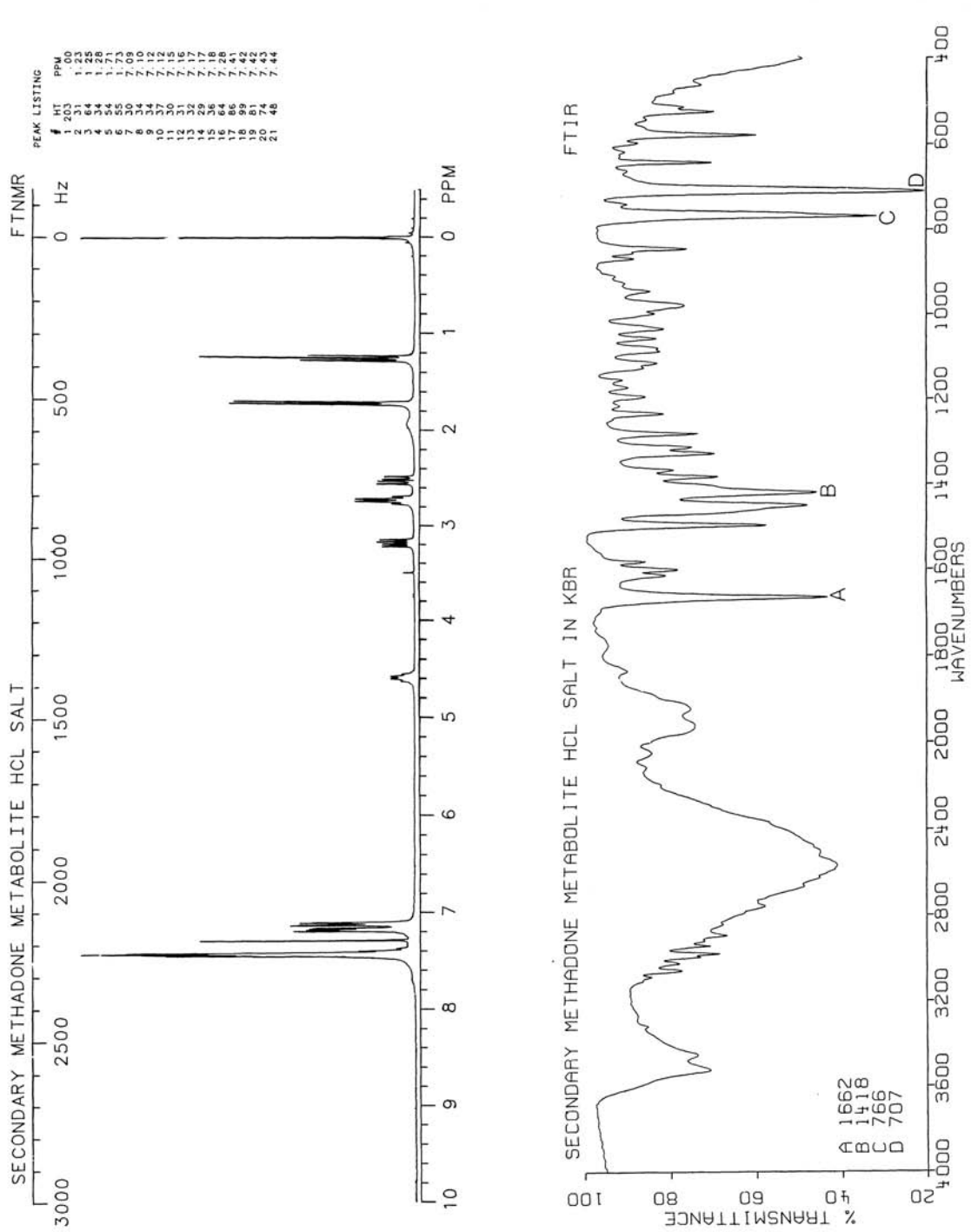
Use: Secondary methadone metabolite
HPLC:
GC: 1946; 250°C





SECONDARY METHADONE METABOLITE




SECONDARY METHADONE METABOLITE HCL SALT
FTNMR
PEAK LISTING
HT PPM
1 203 1.00
2 31 1.01
3 64 1.25
4 34 1.28
5 54 1.71
6 55 1.73
7 30 7.09
8 34 7.10
9 37 7.12
10 37 7.12
11 30 7.15
12 31 7.16
13 32 7.17
14 39 7.18
15 64 7.28
16 86 7.41
17 86 7.41
18 99 7.42
19 81 7.42
20 74 7.43
21 46 7.44
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
SECONDARY METHADONE METABOLITE HCL SALT IN KBR
FTIR
A 1662
B 1418
C 766
D 707
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

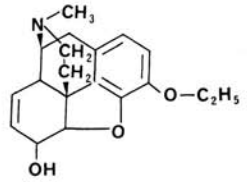
ETHYLMORPHINE

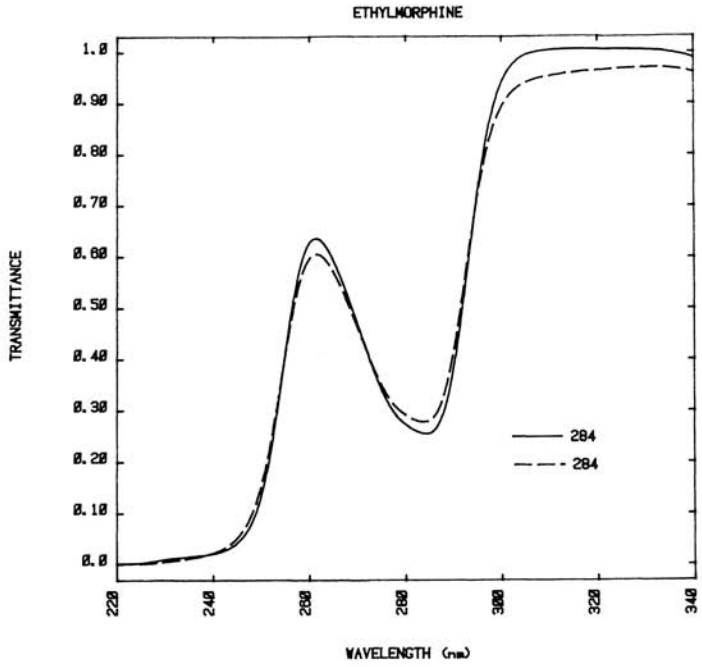
$C_{19}H_{23}NO_3$

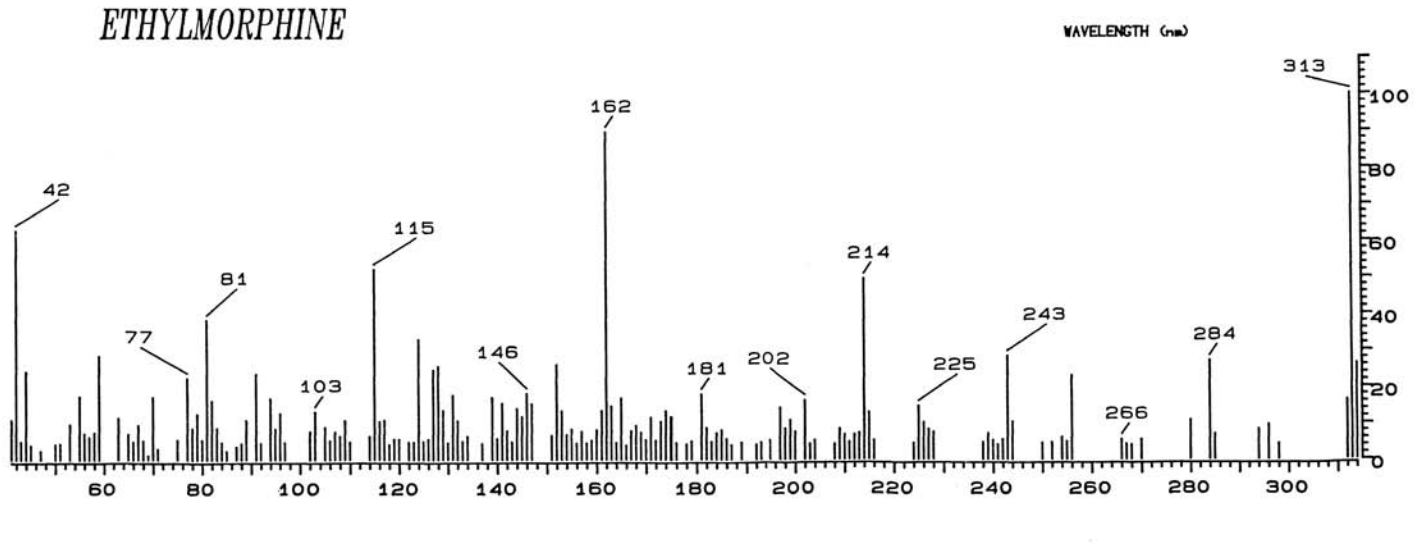
Molecular weight: 313.40 (313.17)
Synonyms: 7,8-Didehydro-4,5-epoxy-3-ethoxy-17-methylmorphinan-6-ol

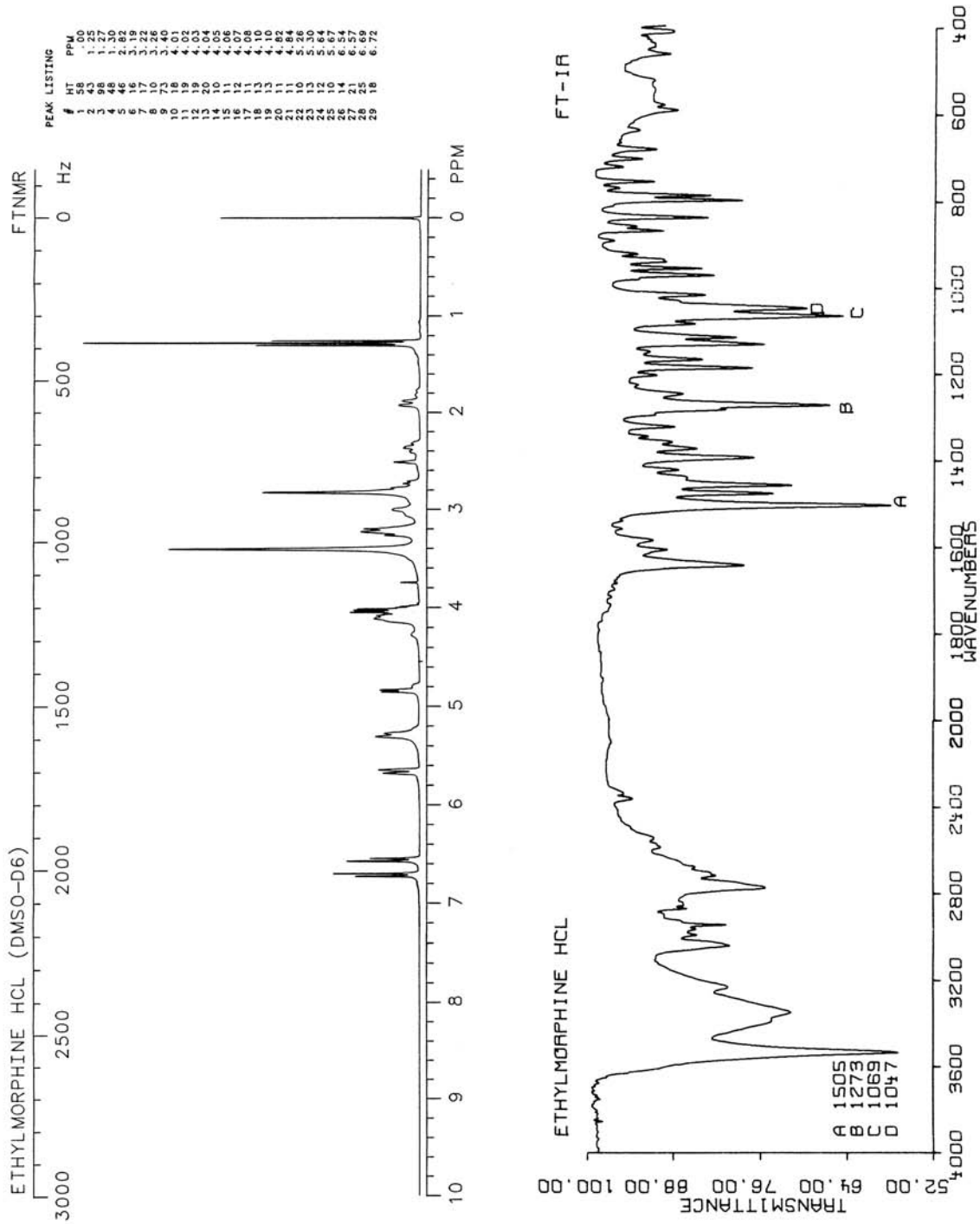
Trade names: Dionin

Use: Chemotic, analgesic, antitussive
HPLC: Si-10; 10A:90B; 4.0
GC: 2481; 250°C







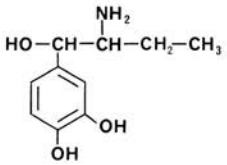

ETHYLMORPHINE HCL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 58 1.00
2 43 1.25
3 98 1.27
4 48 1.30
5 46 2.92
6 16 3.19
7 17 3.22
8 10 3.26
9 73 3.40
10 18 4.01
11 19 4.02
12 20 4.03
13 20 4.04
14 10 4.05
15 11 4.06
16 12 4.07
17 11 4.08
18 13 4.10
19 13 4.10
20 11 4.82
21 11 4.84
22 10 5.26
23 13 5.30
24 12 5.64
25 10 5.67
26 14 6.54
27 21 6.57
28 25 6.69
29 18 6.72
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ETHYLMORPHINE HCL
FT-IR
A 1505
B 1273
C 1069
D 1047
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

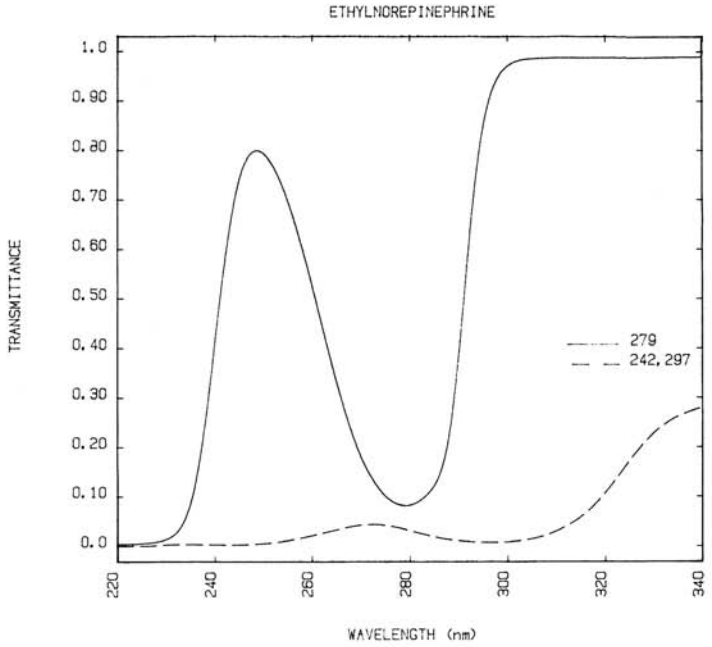
ETHYLNOREPINEPHRINE

$C_{10}H_{15}NO_3$

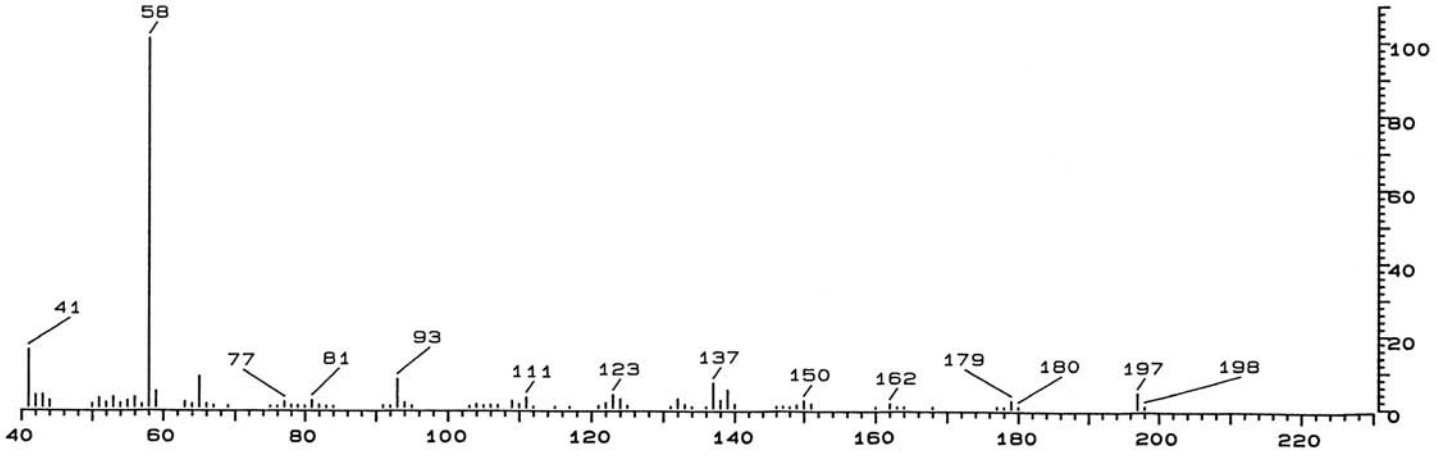
Molecular weight: 197.24 (197.11)
Synonyms: 4-(2-Amino-1-hydroxybutyl)-1,2-benzenediol;
ethylnoradrenaline; ethylnorsuprarenin
Trade names: Bronkephrine

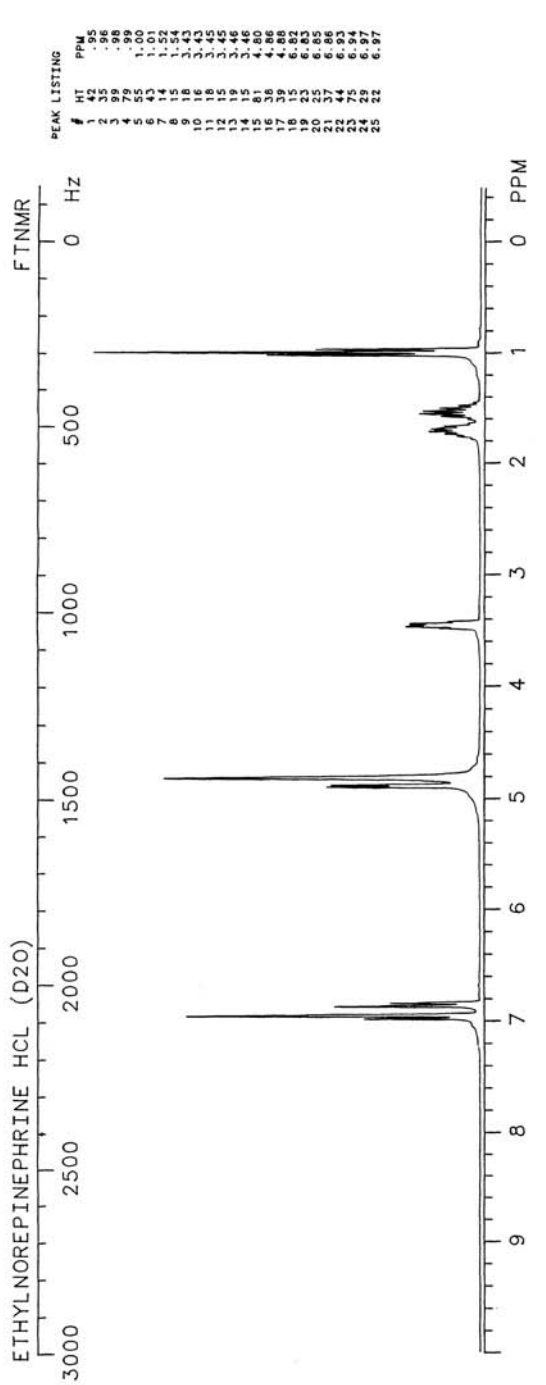
Use: Adrenergic
HPLC: Si-10; 20A:80B; 4.8
GC:

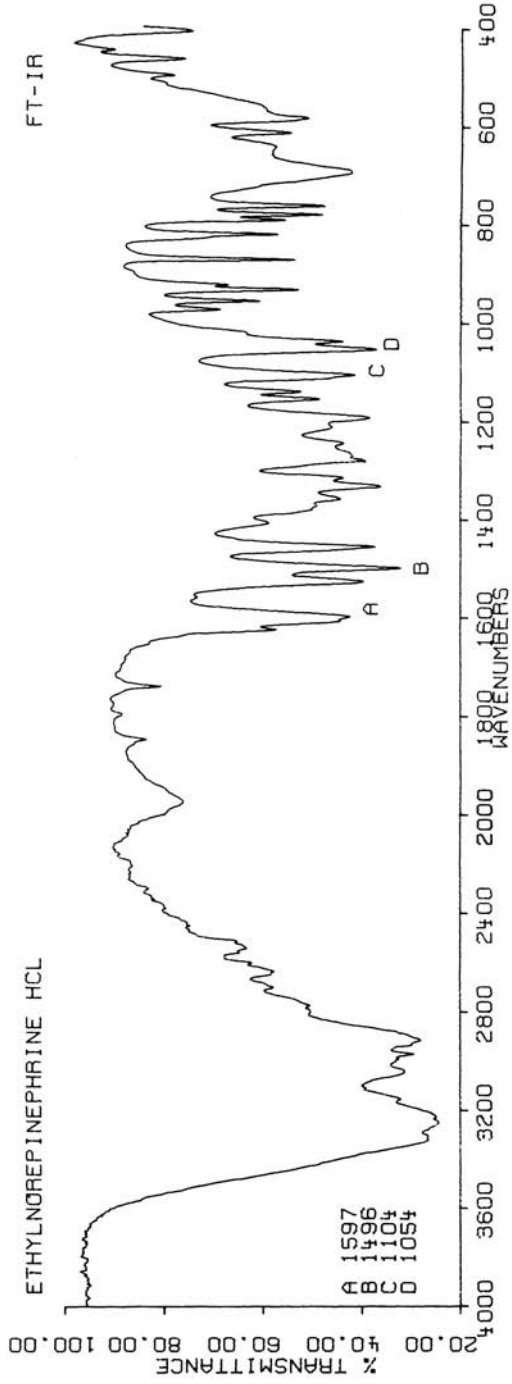




ETHYLNOREPINEPHRINE--DIP




ETHYLNOREPINEPHRINE HCL (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 42 .95
2 35 .96
3 99 .98
4 55 .99
5 55 1.00
6 43 1.01
7 14 1.52
8 15 1.54
9 18 3.43
10 16 3.45
11 12 3.45
12 15 3.45
13 19 3.46
14 15 3.46
15 81 4.80
16 36 4.86
17 39 4.86
18 15 6.82
19 23 6.83
20 25 6.85
21 37 6.86
22 44 6.93
23 45 6.94
24 25 6.97
25 22 6.97


ETHYLNOREPINEPHRINE HCL
FT-IR
A 1597
B 1496
C 1104
D 1054
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

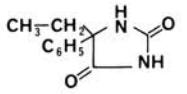
5-ETHYL-5-PHENYLHYDANTOIN

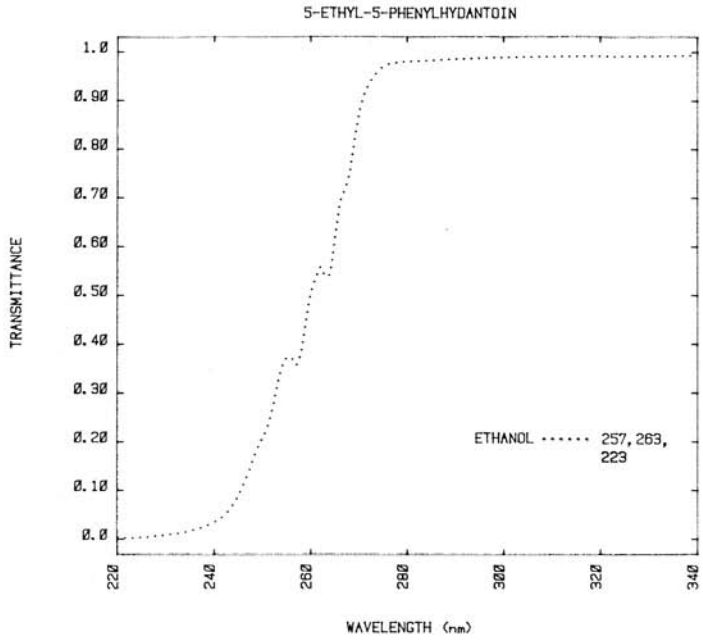
$C_{11}H_{12}N_2O_2$

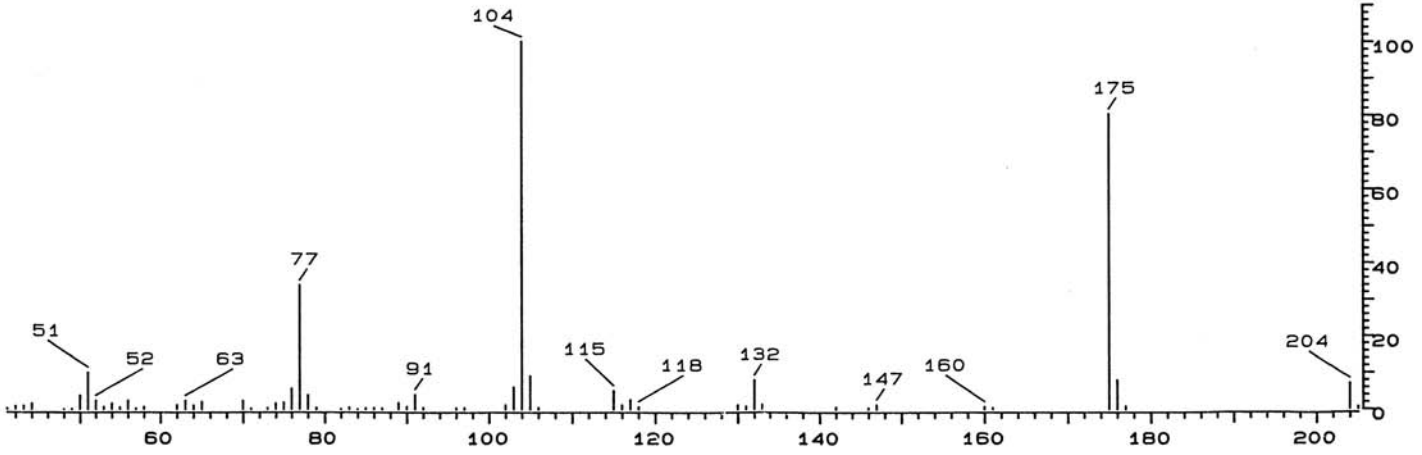
Molecular weight: 204.23 (204.09)
Synonyms: 5-Ethyl-5-phenyl-2,4-imidazolidinedione

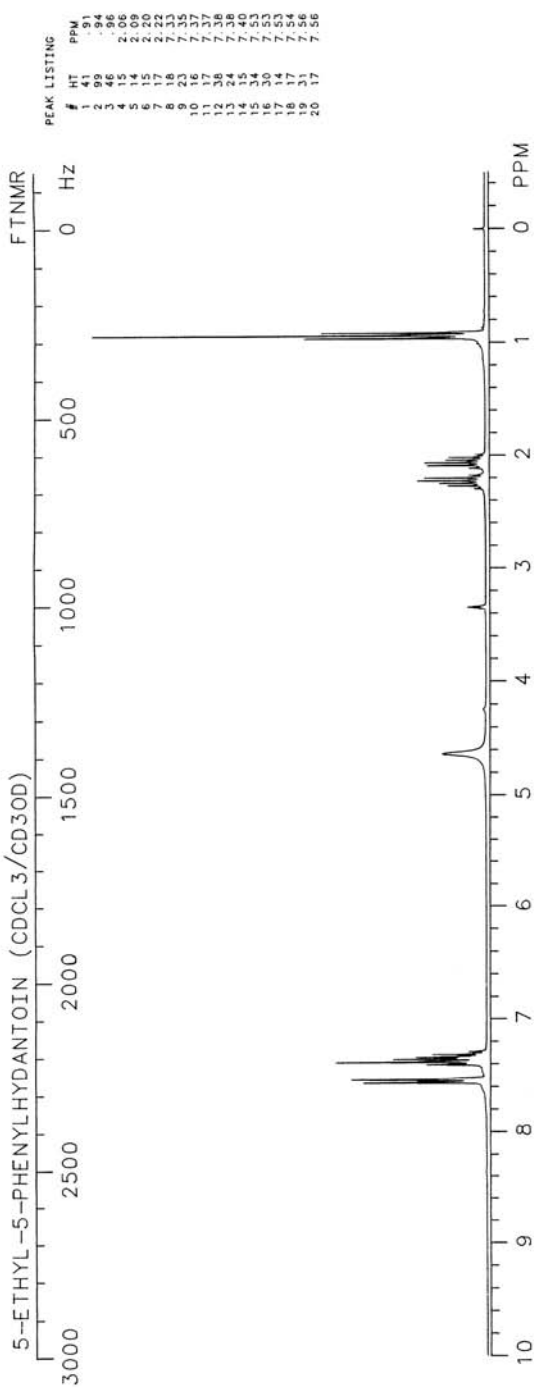
Trade names:

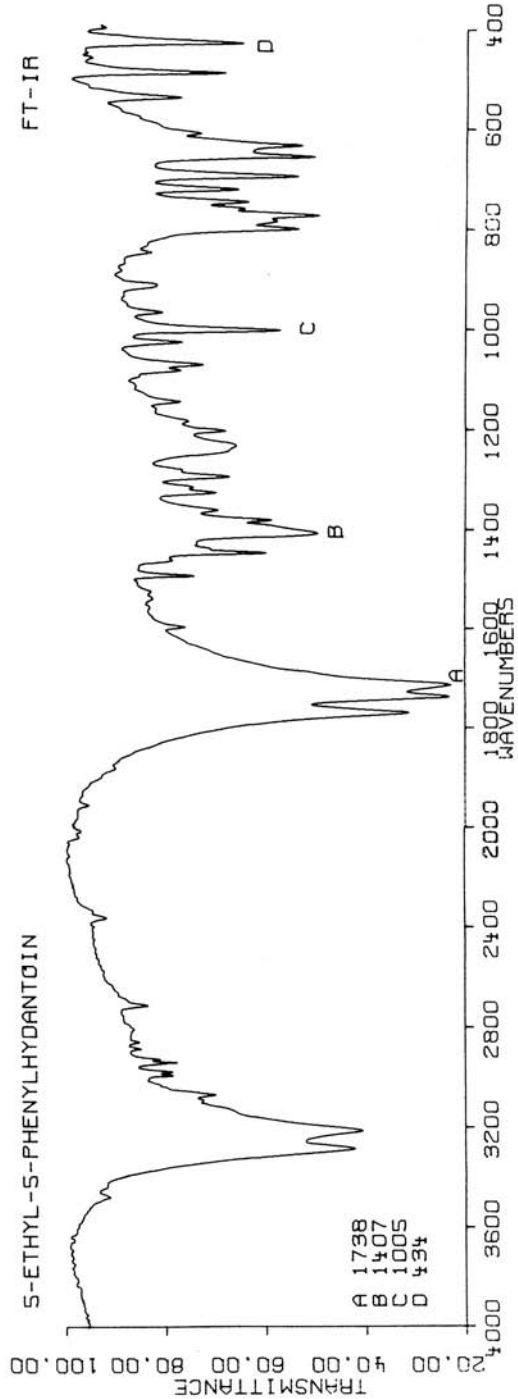
Use: Anticonvulsant
HPLC: Si-10; 1A:99B; 8.2
GC: 1965; 200°C








5-ETHYL-5-PHENYLHYDANTOIN (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 41 .91
2 99 .94
3 46 1.06
4 15 2.06
5 14 2.09
6 15 2.20
7 17 2.22
8 18 7.33
9 23 7.35
10 16 7.37
11 17 7.37
12 38 7.38
13 24 7.38
14 15 7.40
15 34 7.53
16 30 7.53
17 14 7.54
18 17 7.54
19 31 7.56
20 17 7.56
Hz
PPM


FT-IR
5-ETHYL-5-PHENYLHYDANTOIN
A 1738
B 1407
C 1005
D 434
TRANSMITTANCE
WAVENUMBERS

2–ETHYL–2–PHENYLMALONAMIDE

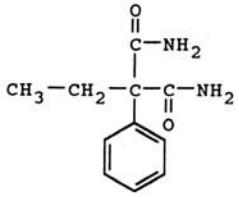
$C_{11}H_{14}N_2O_2$

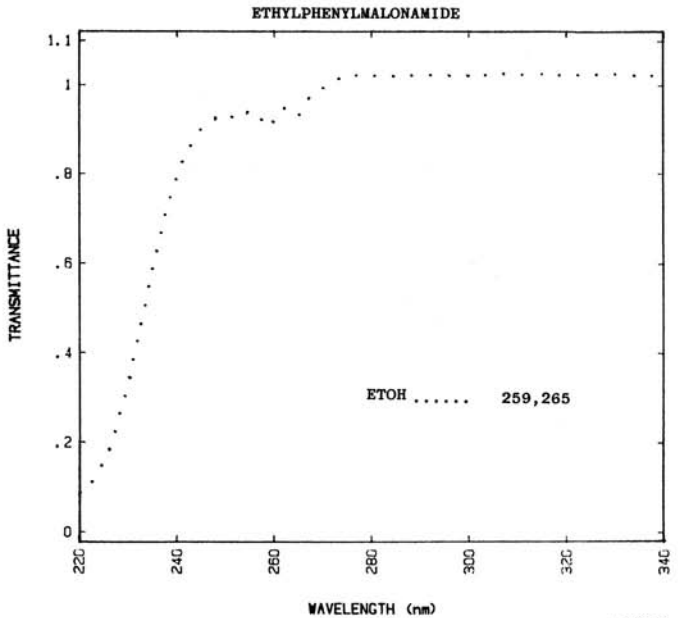
Molecular weight: 206.25 (206.11)

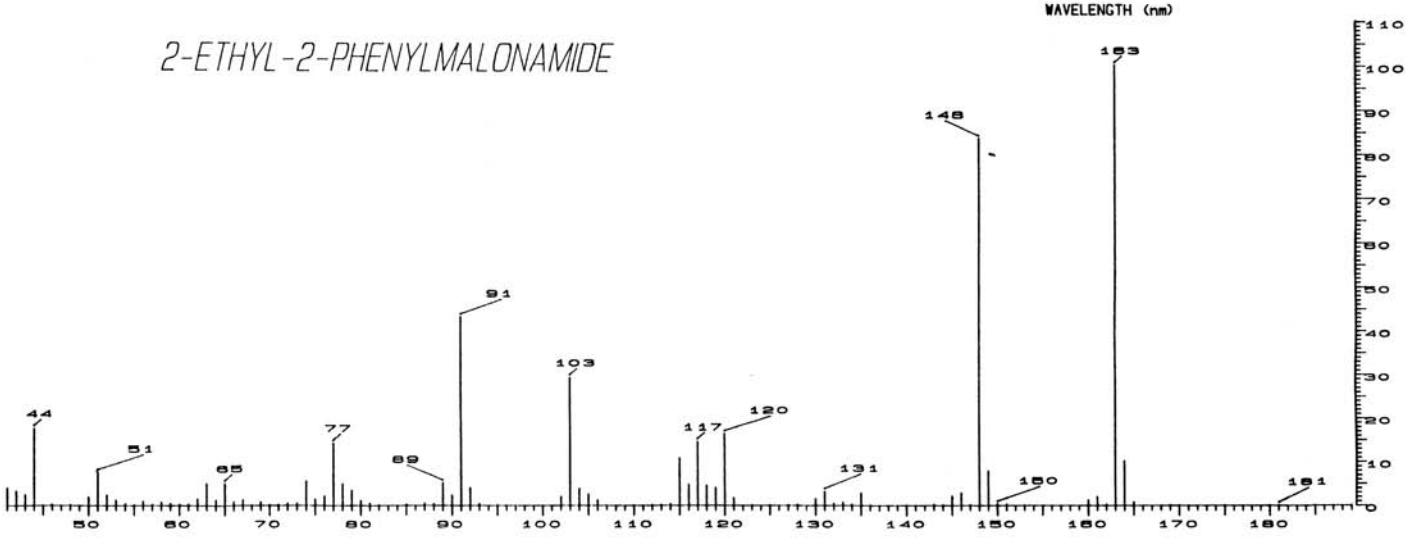
Synonyms: PEMA

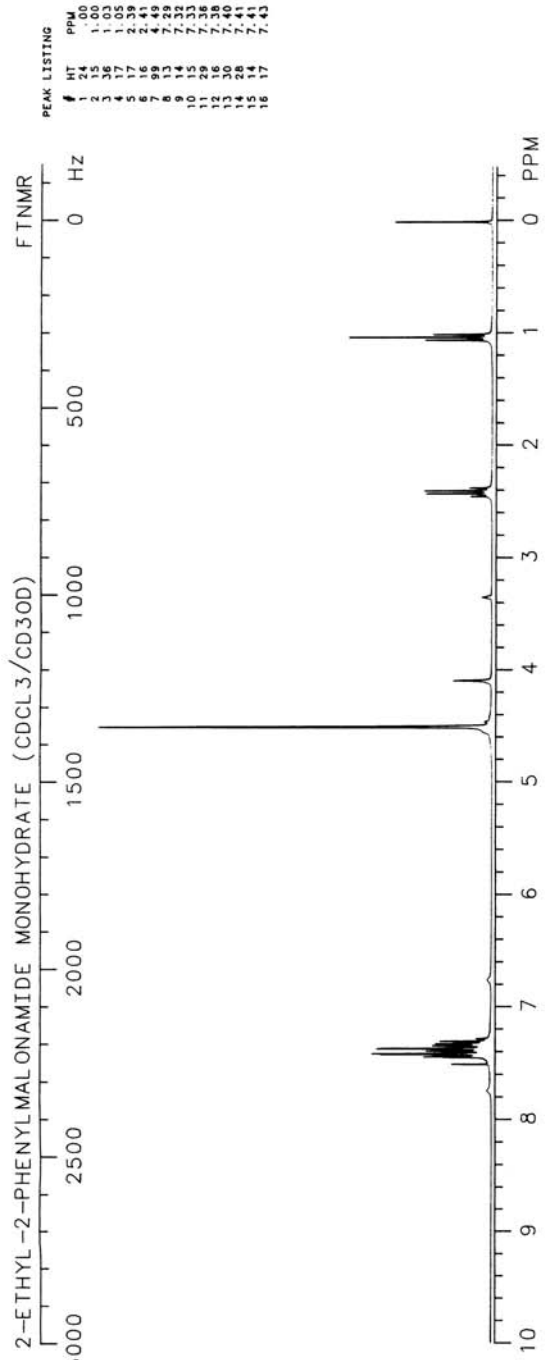
Trade names:

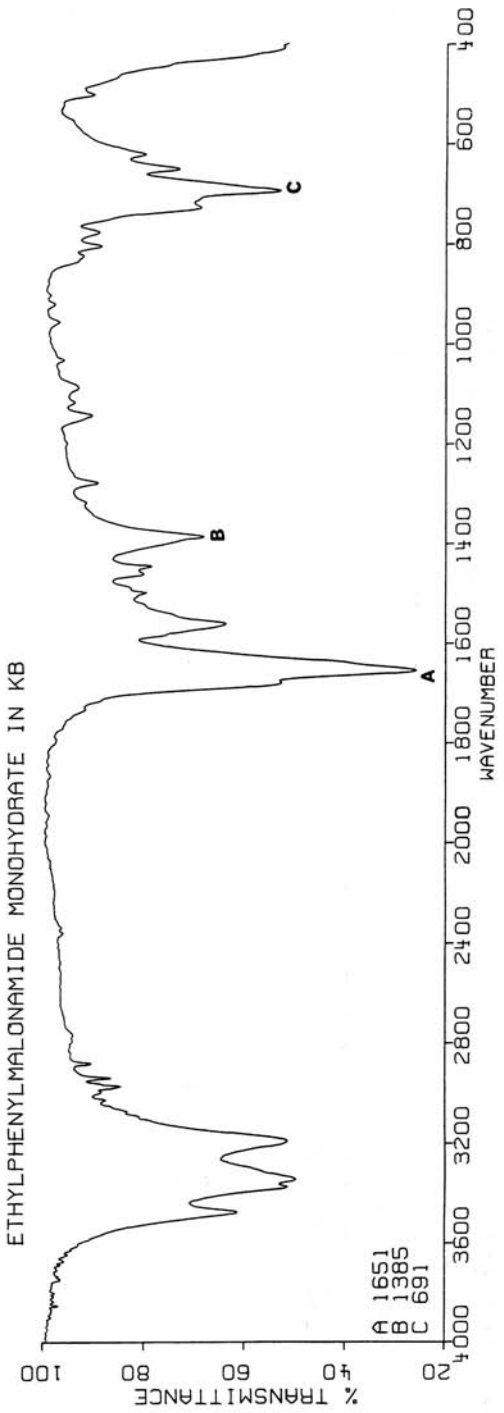
Use: Metabolite of primidone and phenobarbital
HPLC: 50A:50C; 1.5
GC: 1869; 200°








2-ETHYL-2-PHENYLMALONAMIDE MONOHYDRATE (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 24 .00
2 15 1.00
3 36 1.01
4 17 1.05
5 17 2.39
6 16 2.41
7 99 4.49
8 13 7.29
9 14 7.32
10 15 7.35
11 29 7.36
12 16 7.38
13 30 7.40
14 28 7.41
15 14 7.41
16 17 7.43


ETHYLPHENYLMALONAMIDE MONOHYDRATE IN KB
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1651
B 1385
C 691
A
B
C

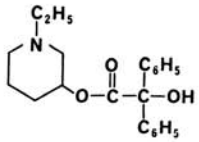
ETHYL-3-PIPERIDYLBENZILATE

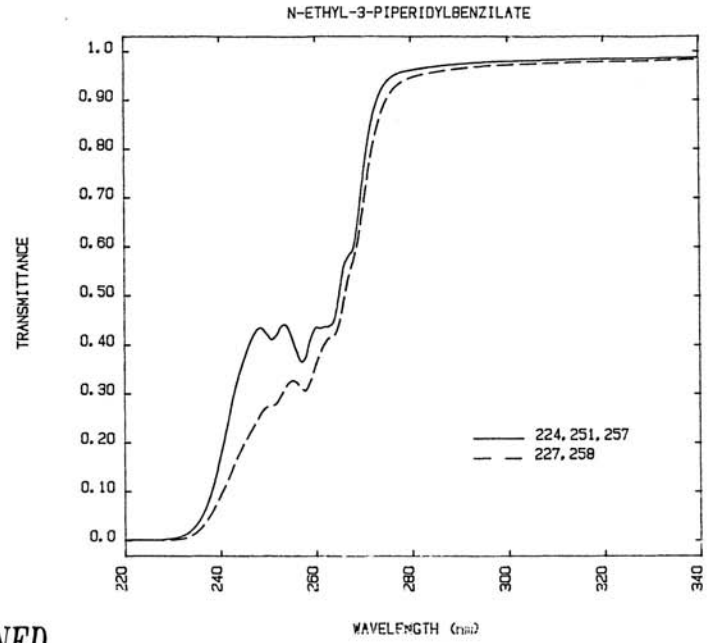
$C_{21}H_{25}NO_3$

Molecular weight: 339.40 (339.18)
Synonyms: 1-Ethylpiperid-3-yl benzilate, JB318

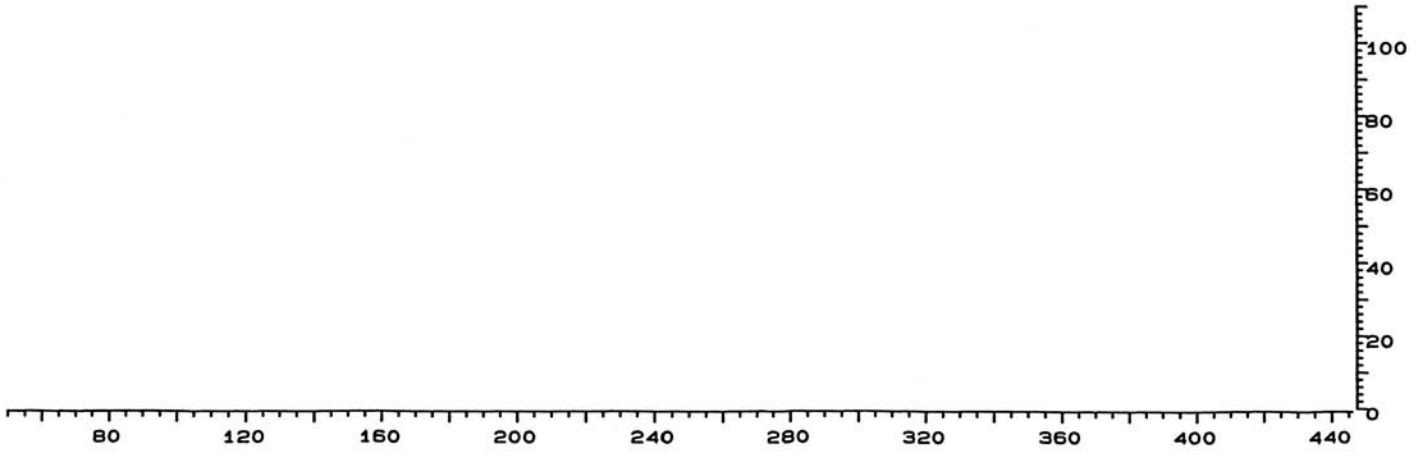
Trade names:

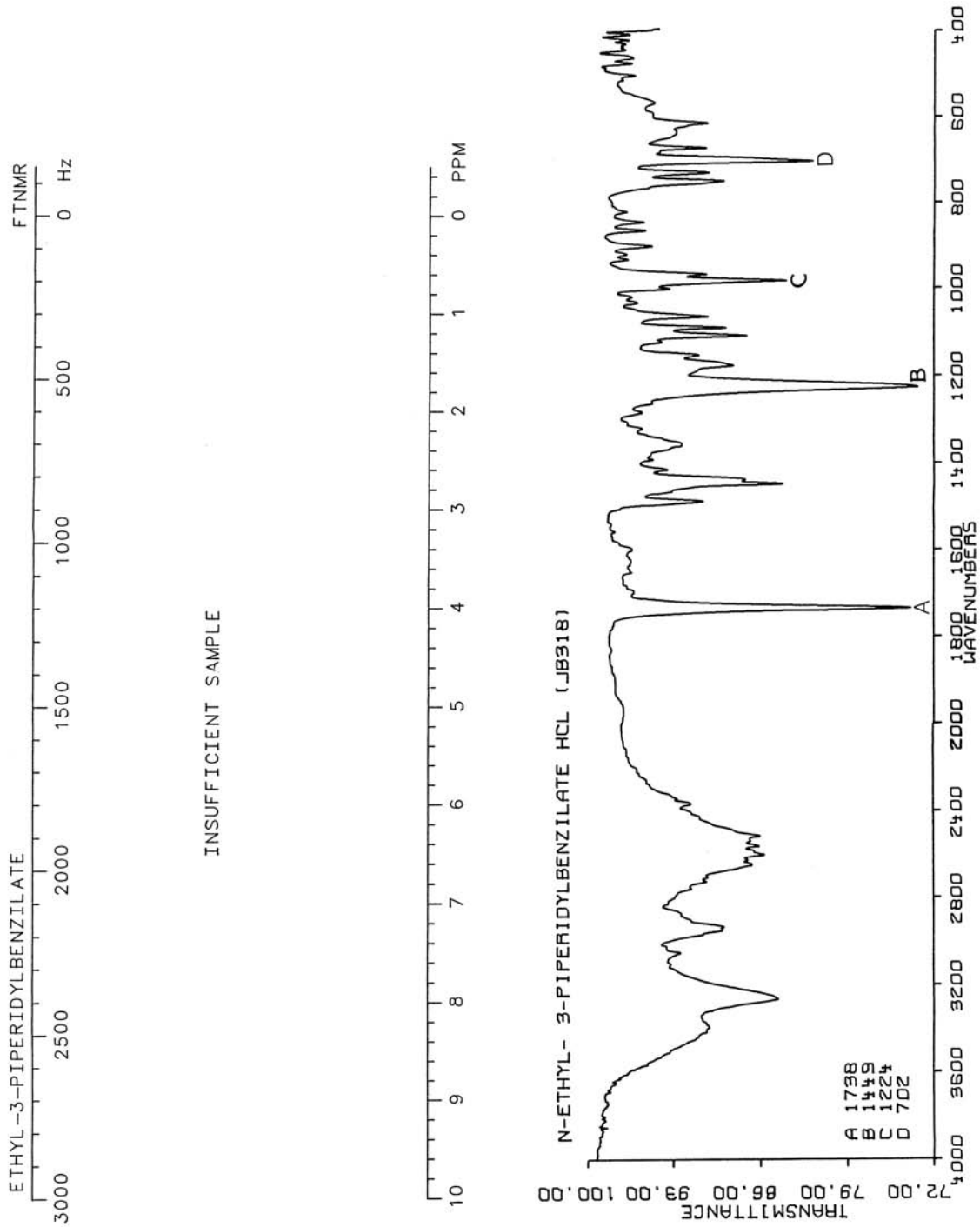
Use: Hallucinogen
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



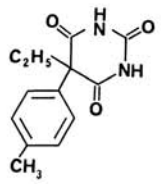

ETHYL-3-PIPERIDYLBENZILATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SAMPLE
10 9 8 7 6 5 4 3 2 1 0 PPM
N-ETHYL- 3-PIPERIDYLBENZILATE HCL (JB318)
TRANSMITTANCE
100.00 93.00 86.00 79.00 72.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1738
B 1449
C 1224
D 702
A
B
C
D

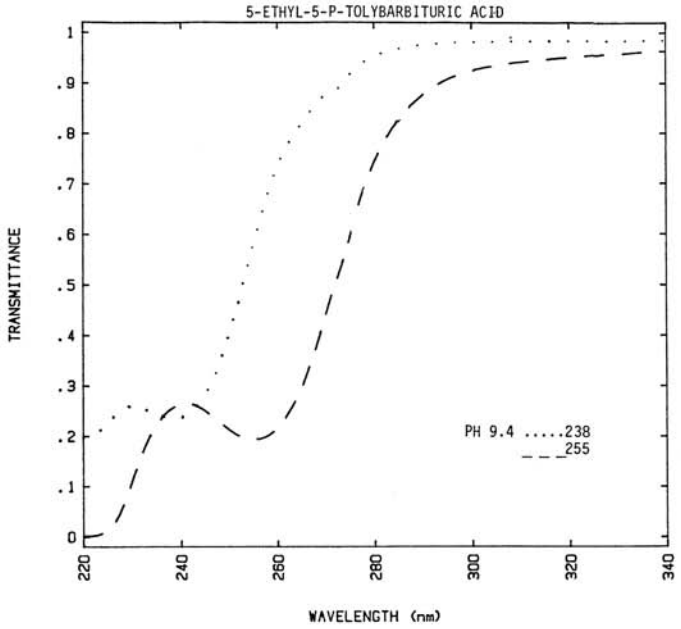
5-ETHYL-5-*P*-TOLYBARBITURATE

$C_{13}H_{14}N_2O_3$

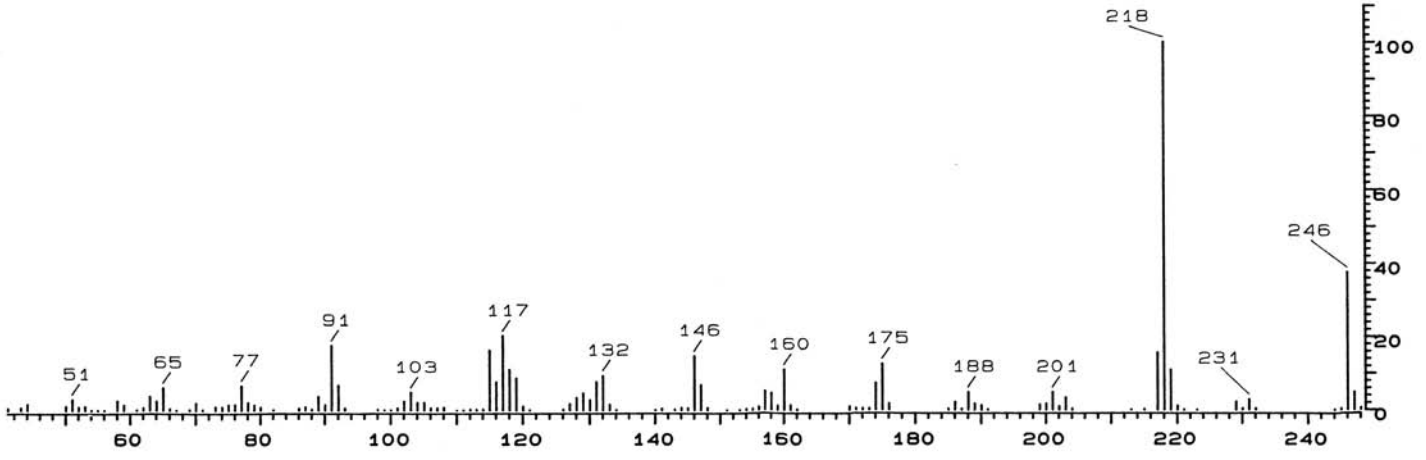
Molecular weight: 246.25 (246.10)
Synonyms: 5-(p-Tolyl)-5-(ethyl)-2,4,6(1H,3H,5H)-pyrimidinetrione; tolylbarb
Trade names:

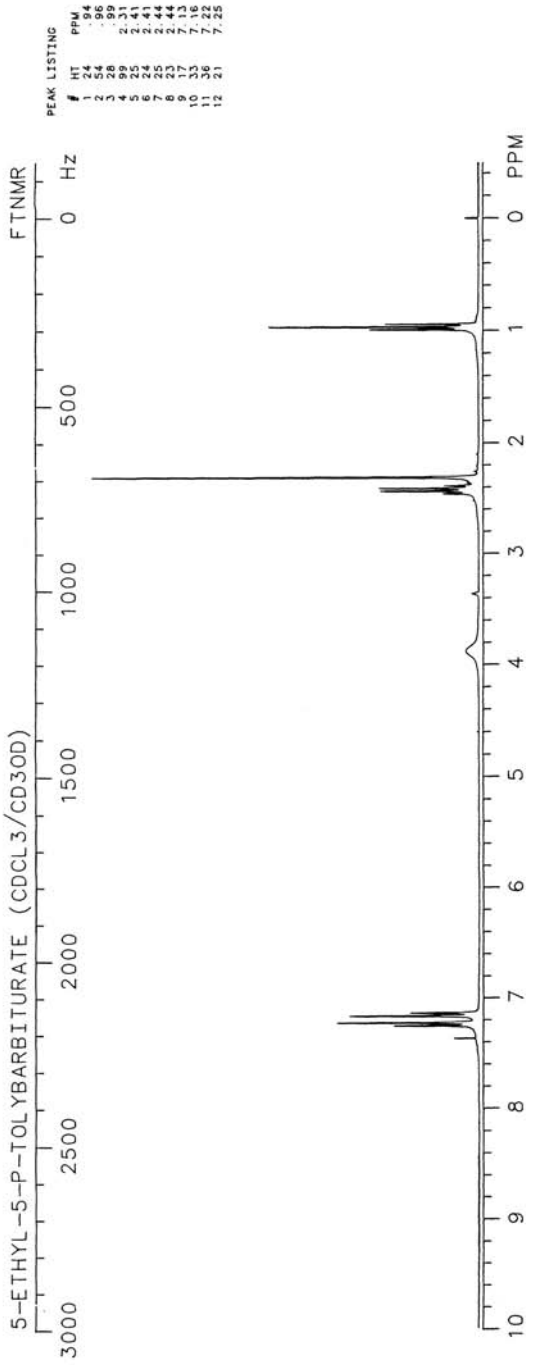
Use: Barbiturate
HPLC: Si-10; 1A:99B; 3.4
GC: 2111; 200°C

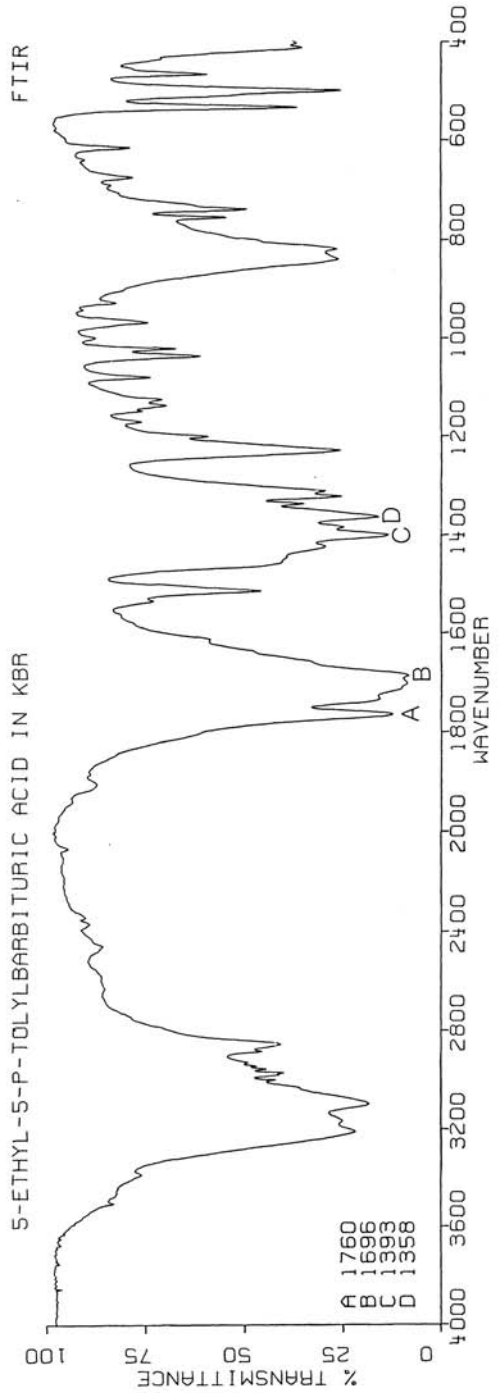




5-ETHYL-5-TOLYBARBITURATE




5-ETHYL-5-P-TOLYBARBITURATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 24 .94
2 54 .96
3 28 .99
4 99 2.31
5 25 2.41
6 24 2.41
7 25 2.44
8 23 2.44
9 17 7.13
10 33 7.16
11 36 7.22
12 21 7.25
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

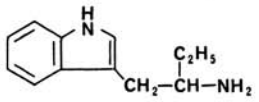

5-ETHYL-5-P-TOLYLBARBITURIC ACID IN KBR
FTIR
A 1760
B 1696
C 1393
D 1358
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

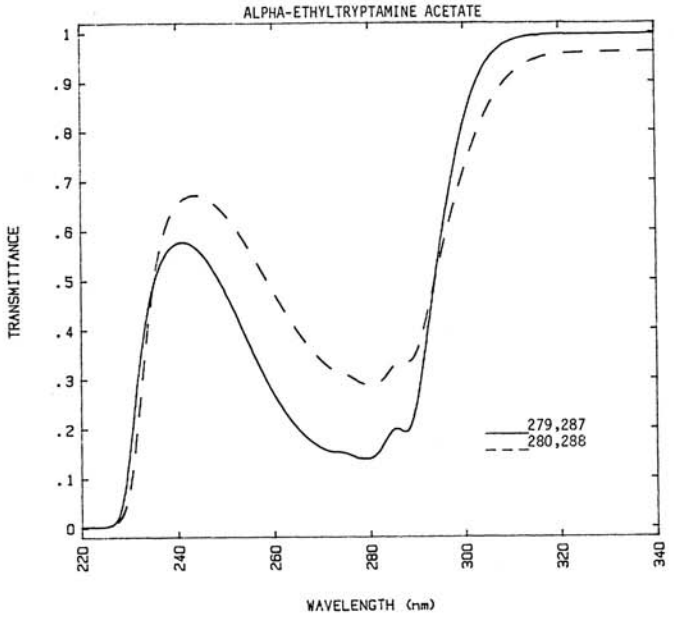
ETHYLTRYPTAMINE

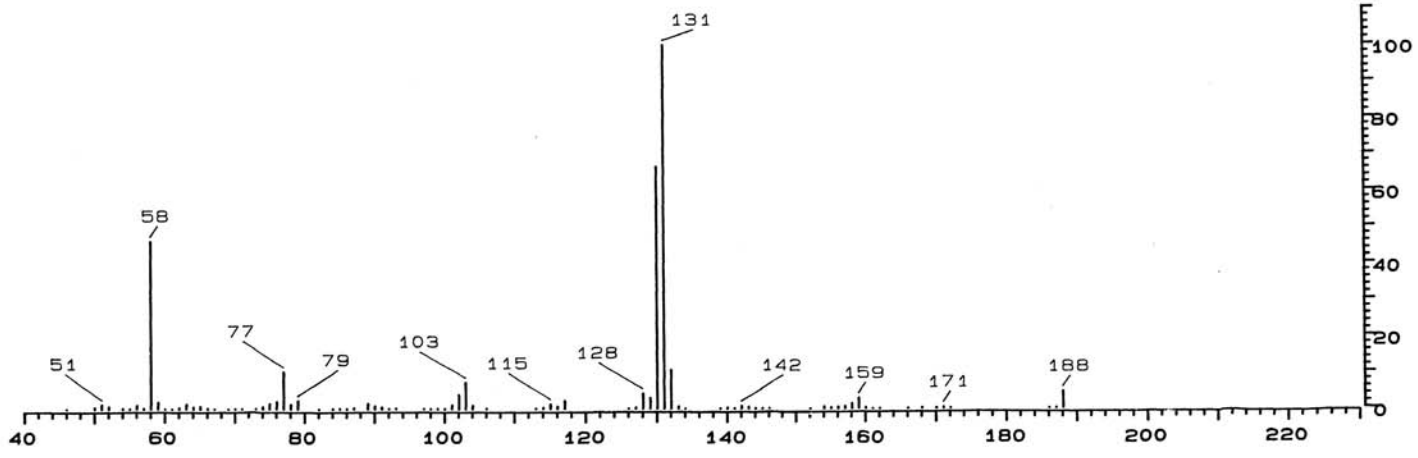
$C_{12}H_{16}N_2$

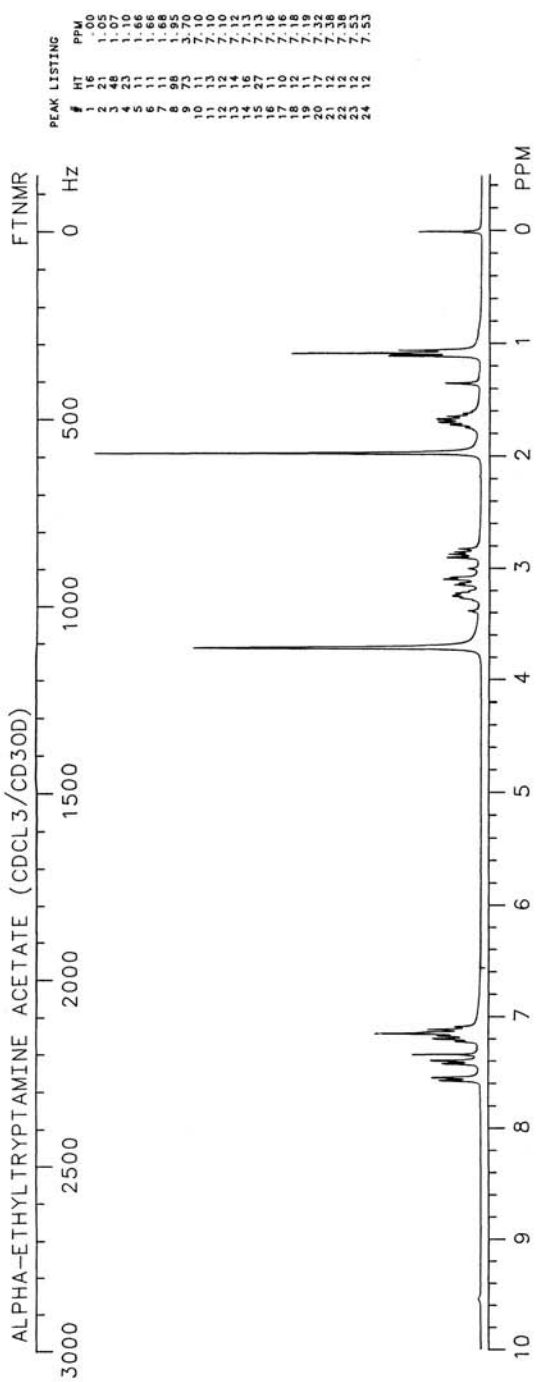
Molecular weight: 188.26 (188.13)
Synonyms: α -Ethyl-1H-indole-3-ethanamine; α -ethyltryptamine; 3-(2-aminobutyl)indole; etryptamine
Trade names: Monase

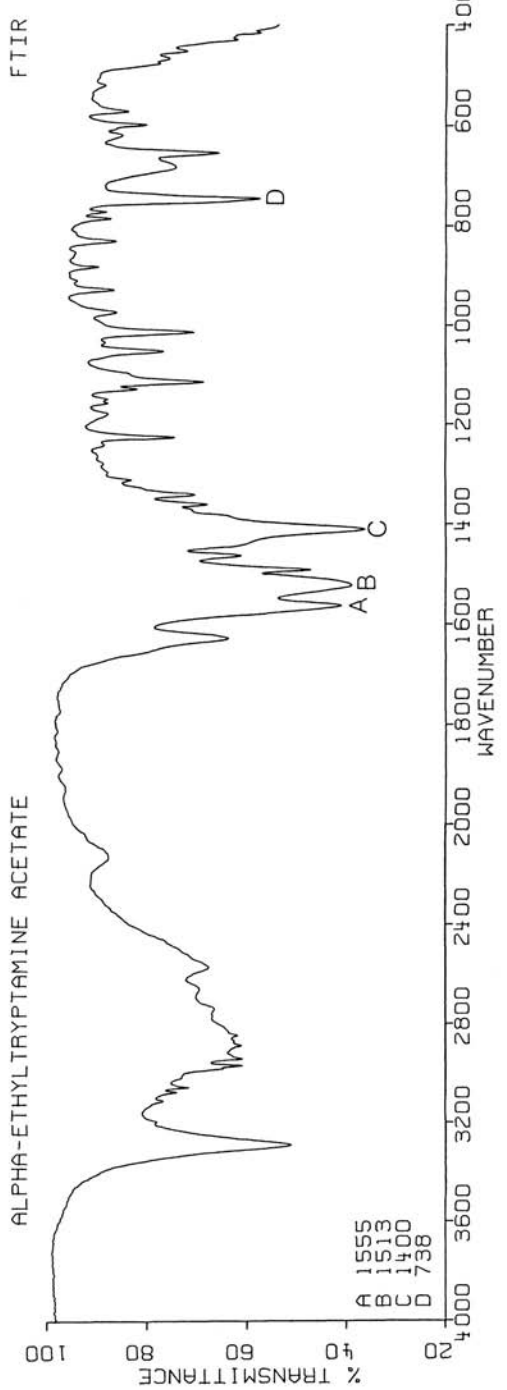
Use: Central stimulant
HPLC: Si-10; 10A:90B; 5.1
GC: 1859; 200°C







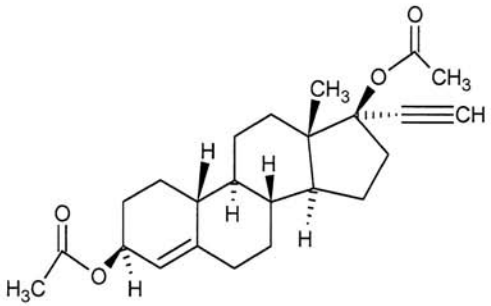

ALPHA-ETHYLTRYPTAMINE ACETATE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 16 1.00
2 21 1.05
3 48 1.07
4 23 1.10
5 11 1.66
6 11 1.66
7 11 1.68
8 98 1.95
9 73 3.70
10 11 7.10
11 13 7.10
12 12 7.10
13 14 7.12
14 16 7.13
15 27 7.13
16 11 7.16
17 10 7.16
18 12 7.18
19 17 7.32
20 12 7.38
21 12 7.38
22 12 7.53
23 12 7.53
24 12 7.53

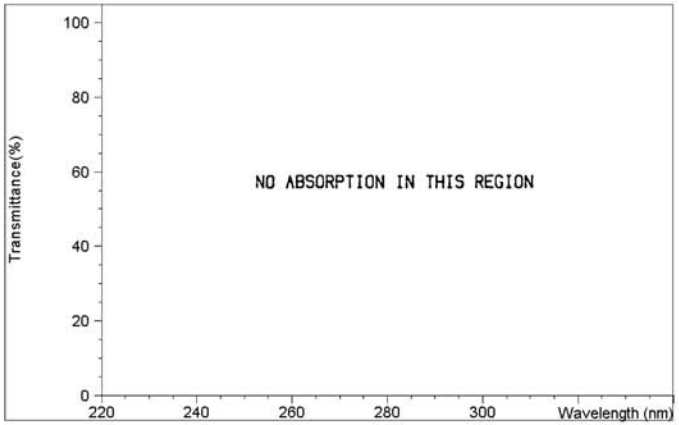

ALPHA-ETHYLTRYPTAMINE ACETATE
FTIR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1555
B 1513
C 1400
D 738

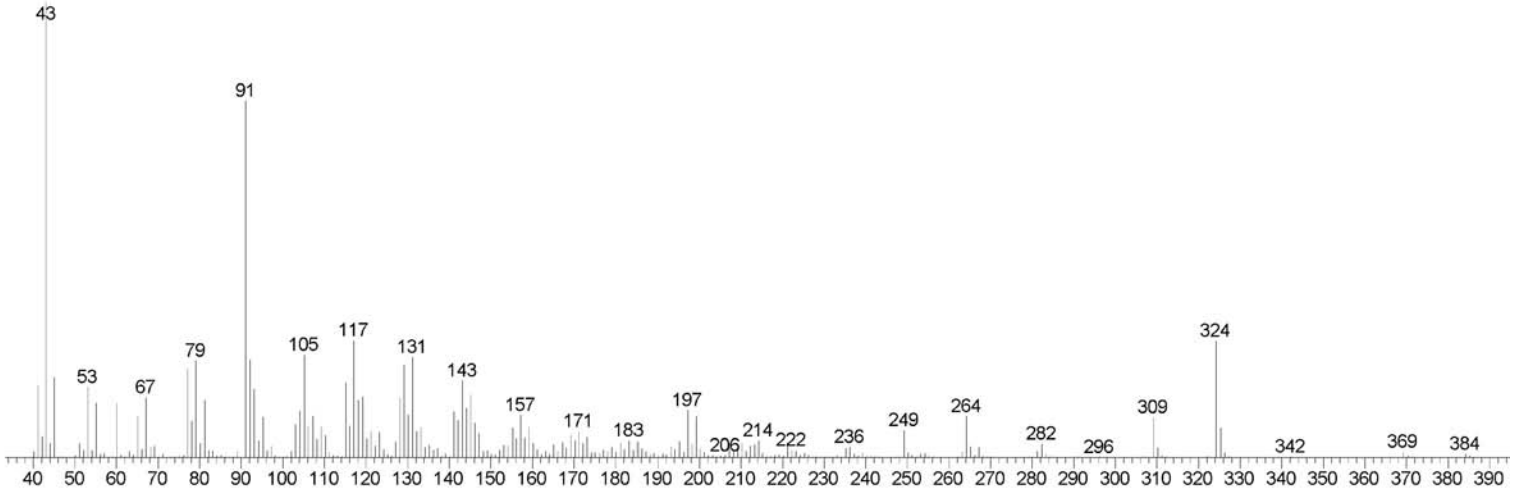
ETHYNODIOL DIACETATE

$C_{24}H_{32}O_4$

Molecular Weight: 384.51 (384.23)
Synonyms: (3β,17α)-19-Norpregn-4-en-20-yne-3,17-diol, diacetate; 19-Nor-17α-pregn- 4-en-20-yne-3β,17-diol diacetate; Progestin
Trade names: Femulen, Luteonorm, Luto-Metrodiol, Metrodiol
Use: oral contraceptive component

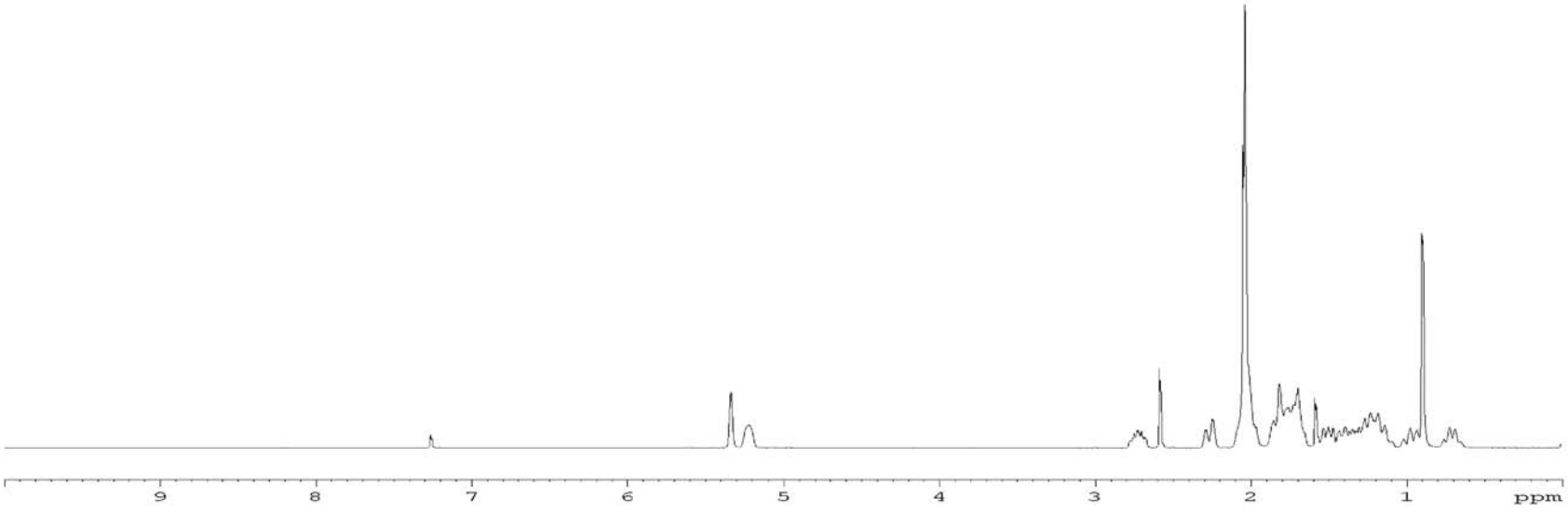




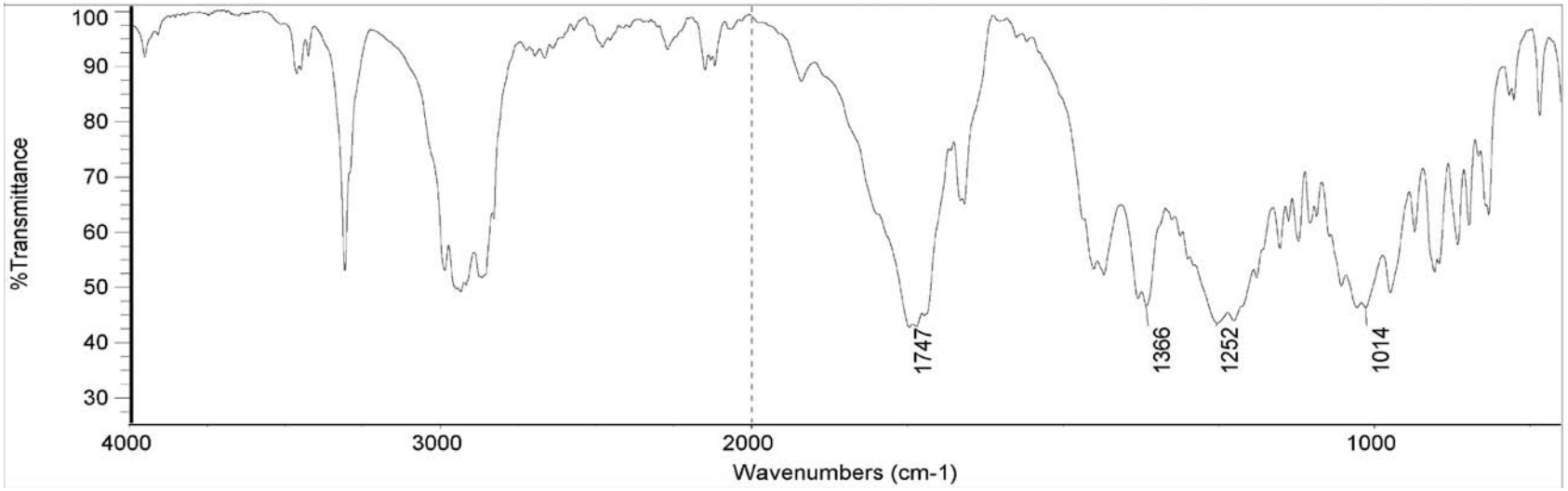


ETHYNODIOL DIACETATE

FTNMR



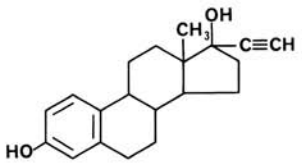
FT-IR

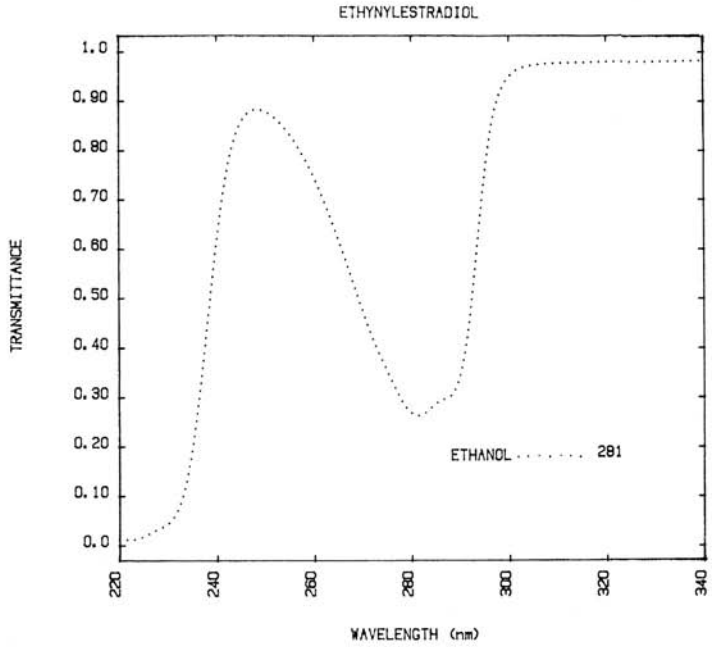


ETHYNYLESTRADIOL

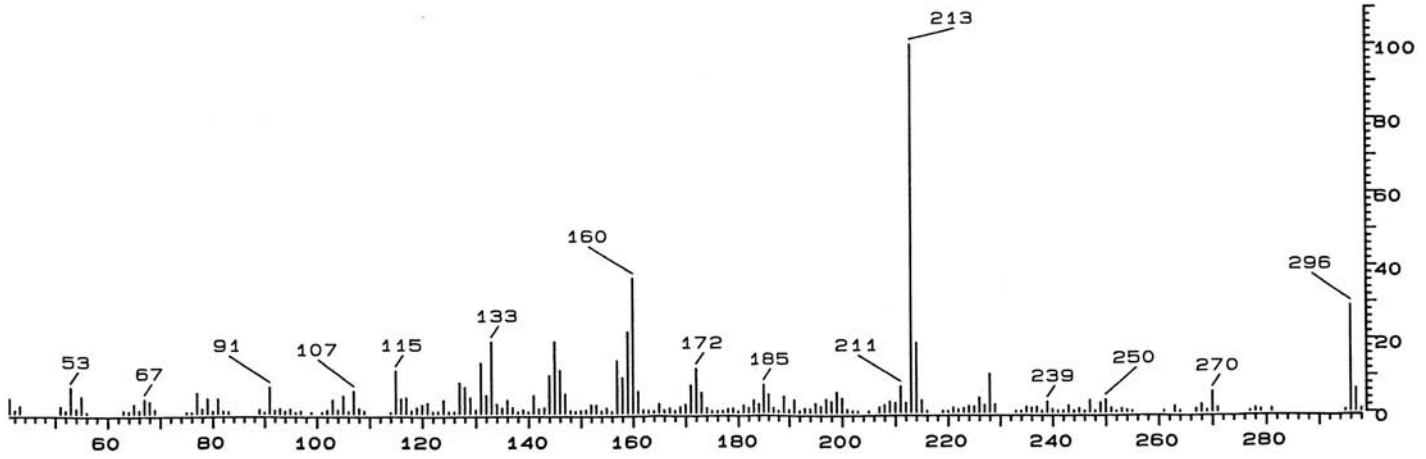
$C_{20}H_{24}O_2$

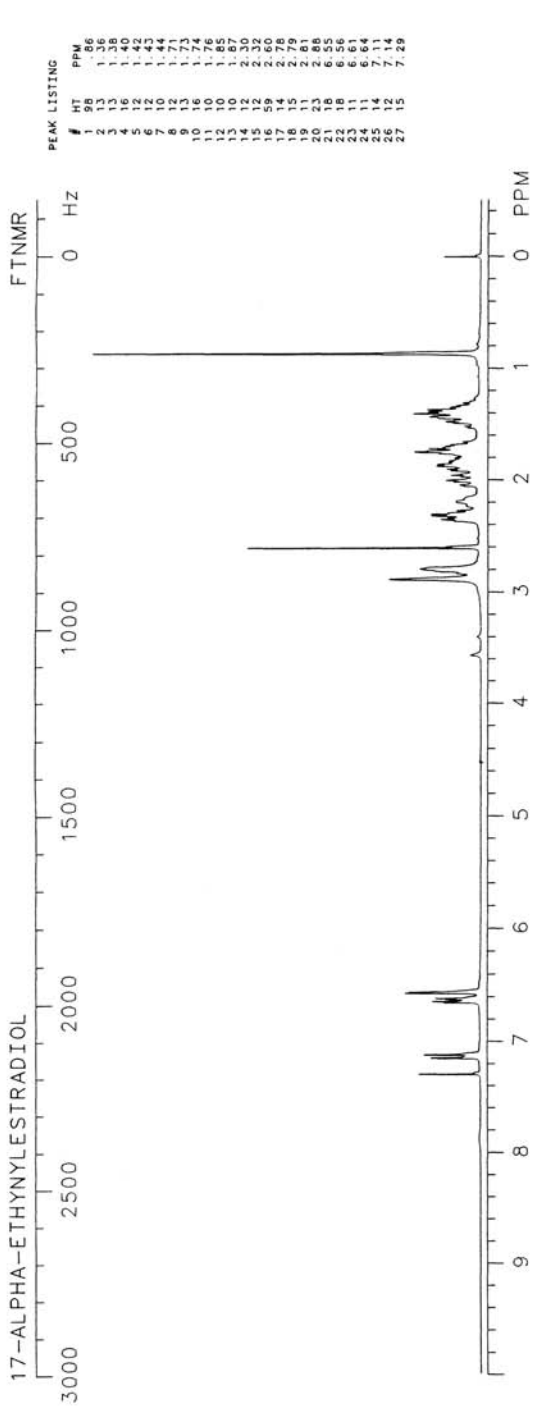
Molecular weight: 296.41 (296.18)
Synonyms: 10-Nor-17α-pregna-1,2,5(10)-trien-20-yne-3,17-diol;
17-ethinylestradiol
Trade names: Brevicon, Demulen, Estinyl, Loestrin, Modicon, Norinyl, Norlestrin, Ortho-Novum, Ovcon, Ovral
Use: Estrogen
HPLC: Si-10; 1A:99B; 4.5
GC: 2704; 280°C

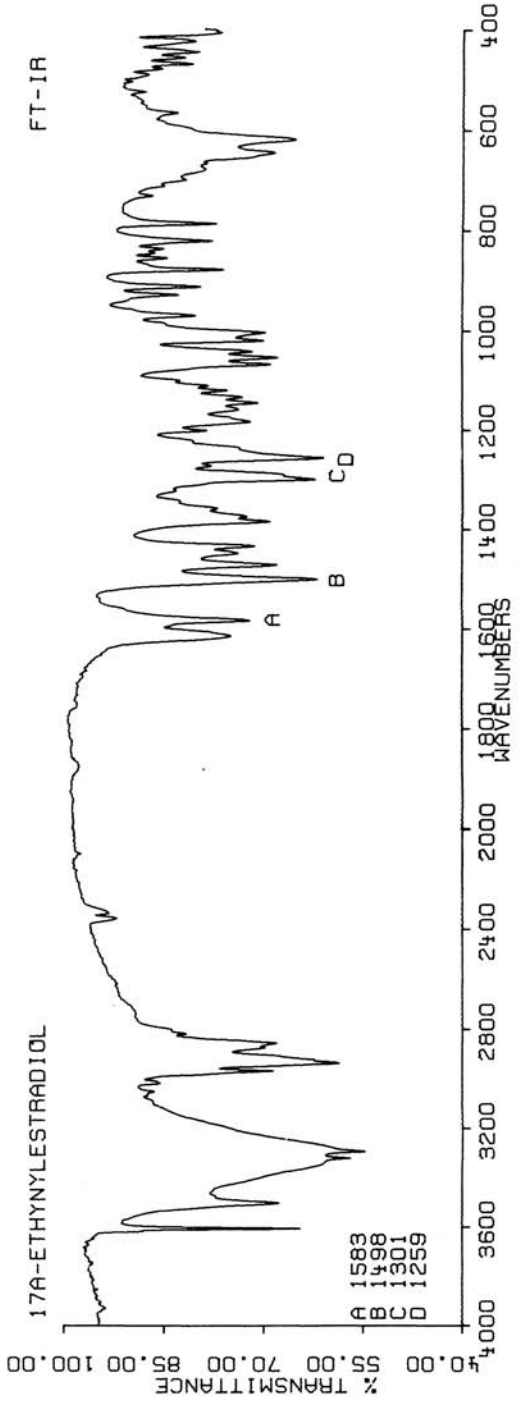




ETHYNYLESTRADIOL




17-ALPHA-ETHYNYLESTRADIOL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HZ PPM
1 98 1.86
2 13 1.36
3 13 1.38
4 16 1.40
5 12 1.42
6 12 1.43
7 10 1.44
8 12 1.71
9 13 1.73
10 16 1.74
11 10 1.76
12 10 1.85
13 10 1.87
14 12 2.30
15 12 2.32
16 59 2.60
17 14 2.78
18 15 2.79
19 11 2.81
20 23 2.88
21 18 6.55
22 18 6.56
23 11 6.61
24 11 6.64
25 14 7.11
26 12 7.14
27 15 7.29


17A-ETHYNYLESTRADIOL
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 1583
B 1498
C 1301
D 1259

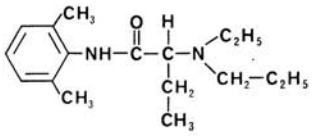
ETIDOCAINE

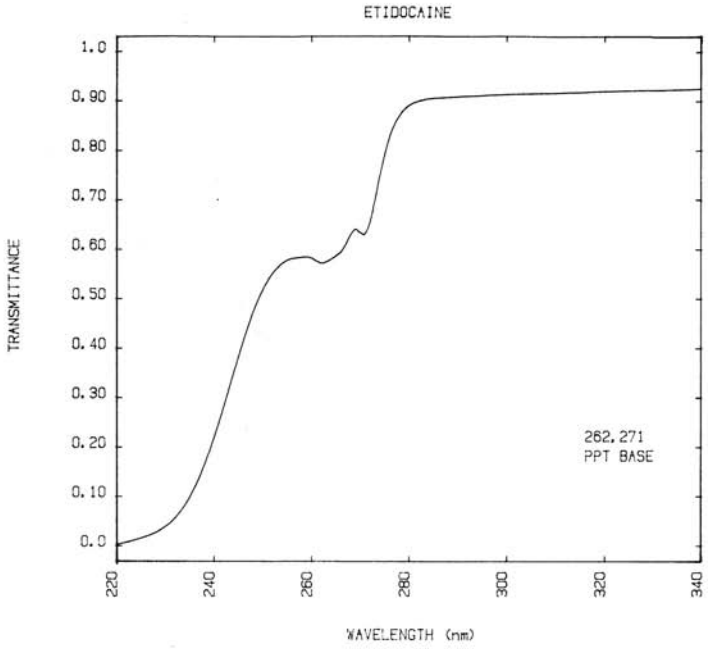
$C_{17}H_{28}N_2O$

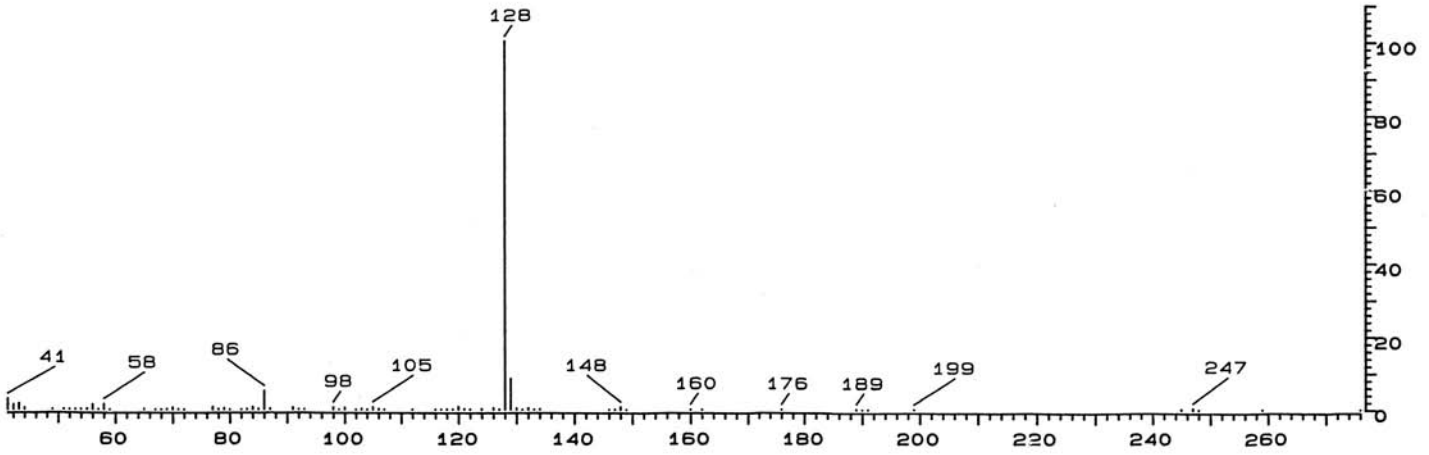
Molecular weight: 276.43 (276.22)
Synonyms: N-(2,6-Dimethylphenyl)-2-(ethylpropylamino)butanamide

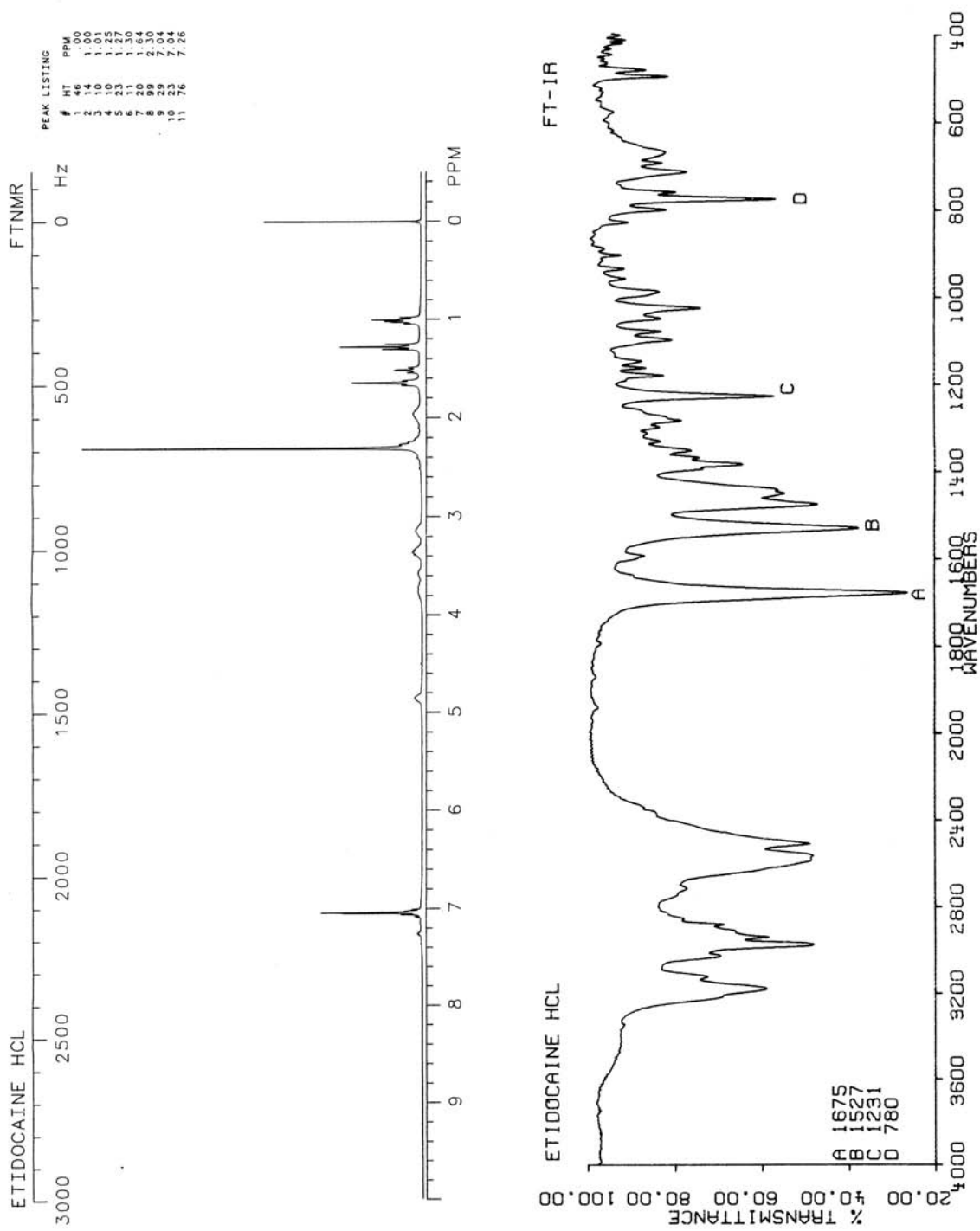
Trade names: Duranest

Use: Local anesthetic
HPLC: Si-10; 100B; 4.3
GC: 2090; 250°C





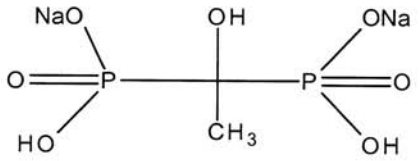


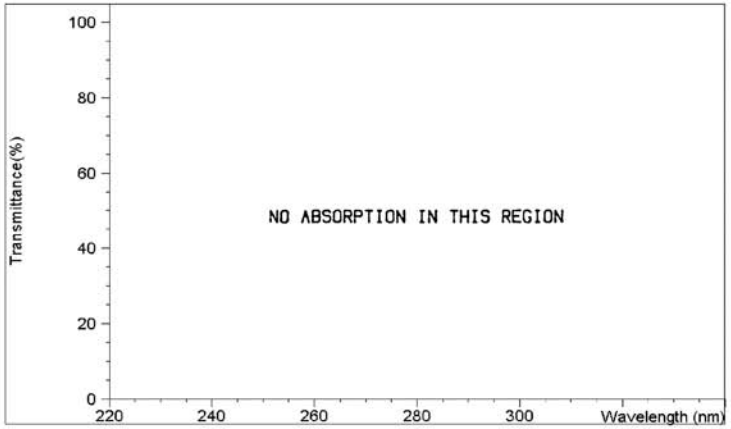

ETIDOCAINE HCL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 46 .00
2 14 1.00
3 10 1.01
4 10 1.25
5 23 1.27
6 11 1.30
7 20 1.64
8 99 2.30
9 29 7.04
10 23 7.04
11 76 7.26
ETIDOCAINE HCL
FT-IR
A 1675
B 1527
C 1231
D 780
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

ETIDRONATE DISODIUM

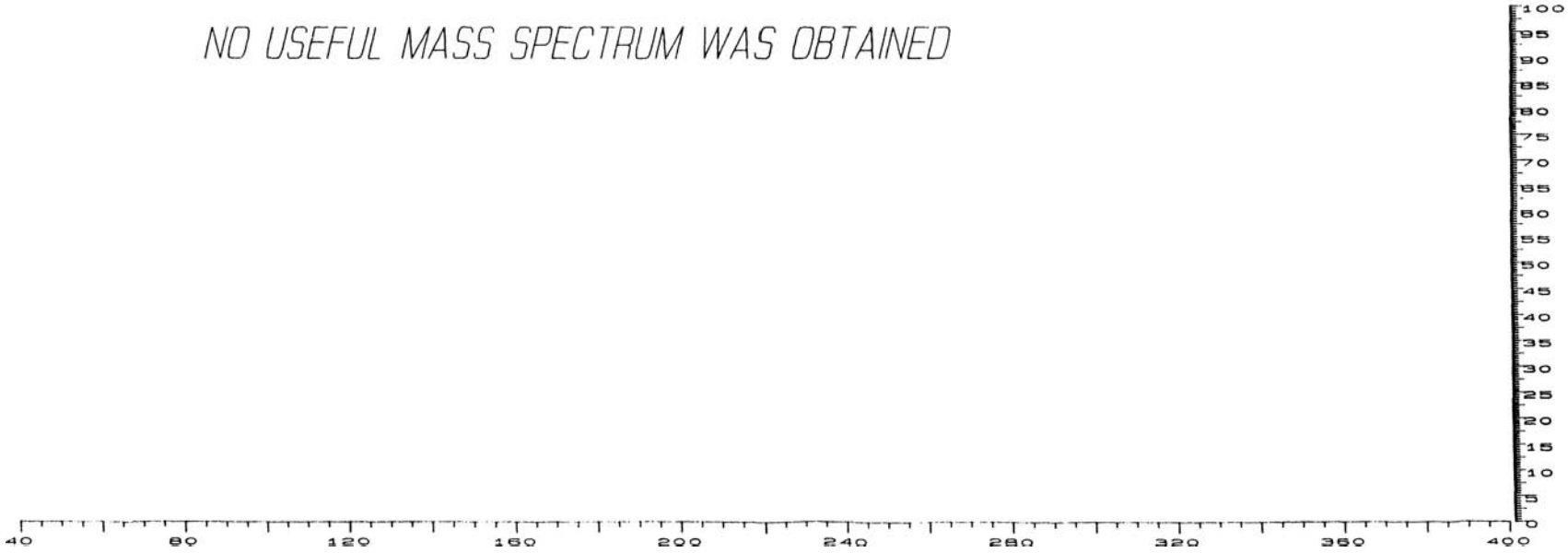
$C_2H_6Na_2O_7P_2$

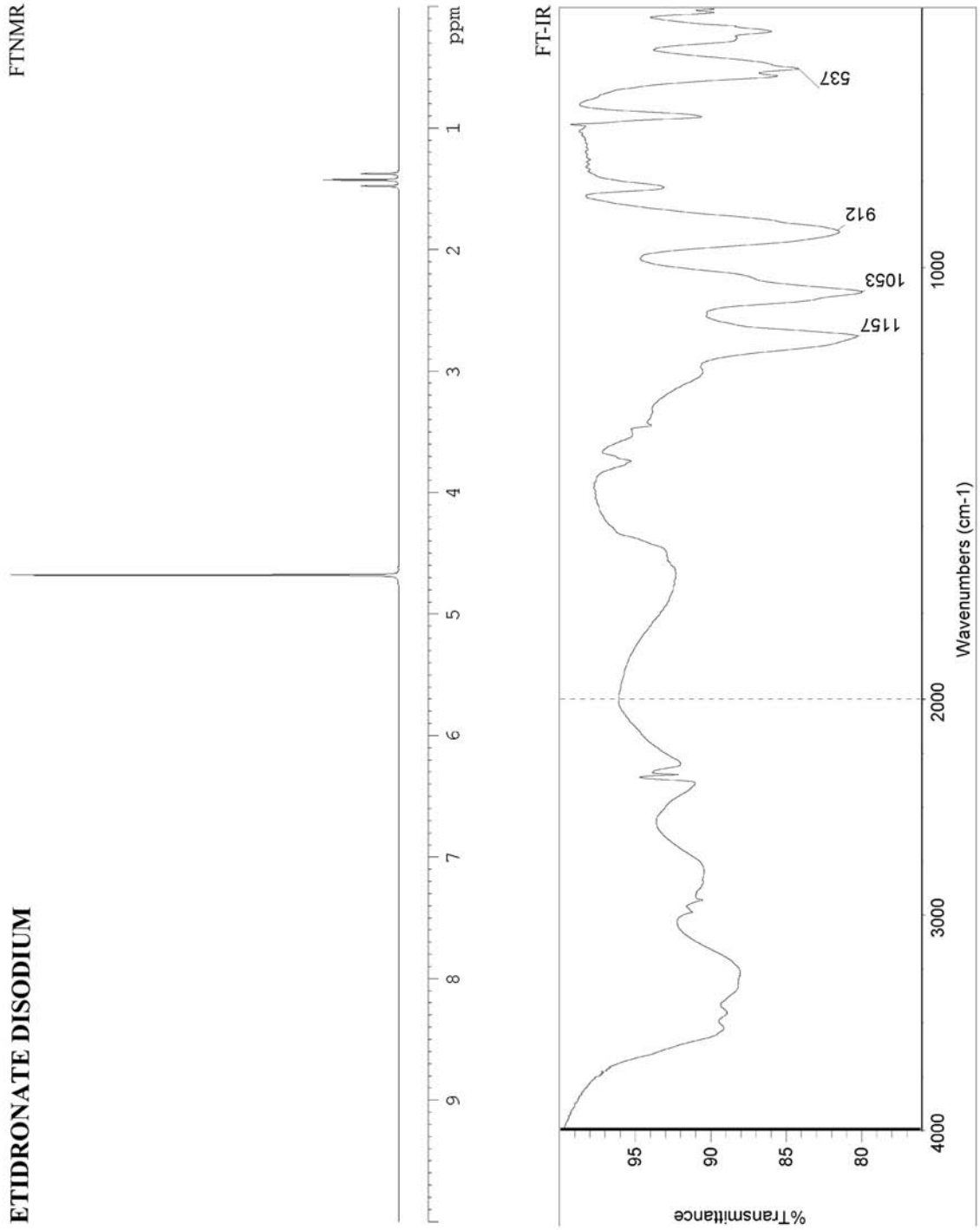
Molecular Weight: 249.99 (249.94)
Synonyms: Disodium dihydrogen (1-hydroxyethylidene)bis[phosphonate]
Trade names: Didronel
Use: Treatment of osteoporosis





NO USEFUL MASS SPECTRUM WAS OBTAINED




ETIDRONATE DISODIUM
FTNMR
ppm
9
8
7
6
5
4
3
2
1
FT-IR
%Transmittance
95
90
85
80
4000
3000
2000
1000
Wavenumbers (cm-1)
537
912
1053
1157

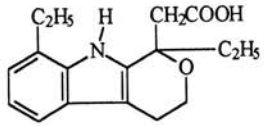
ETODOLAC

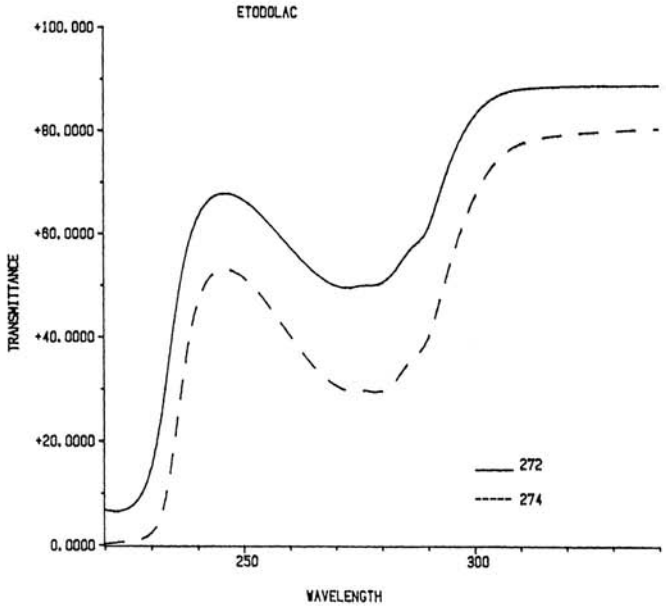
$C_{17}H_{21}NO_3$

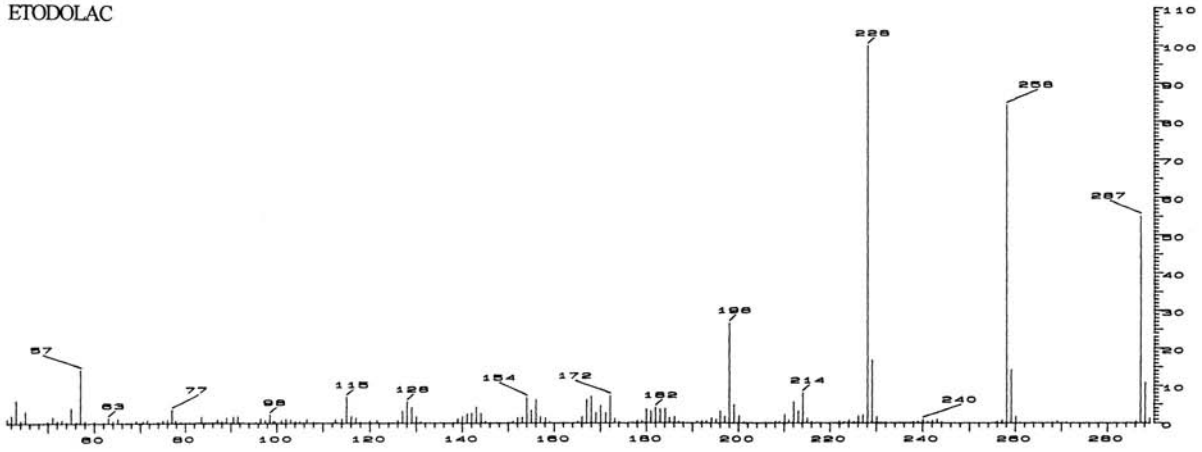
Molecular Weight: 287.36 (287.15)

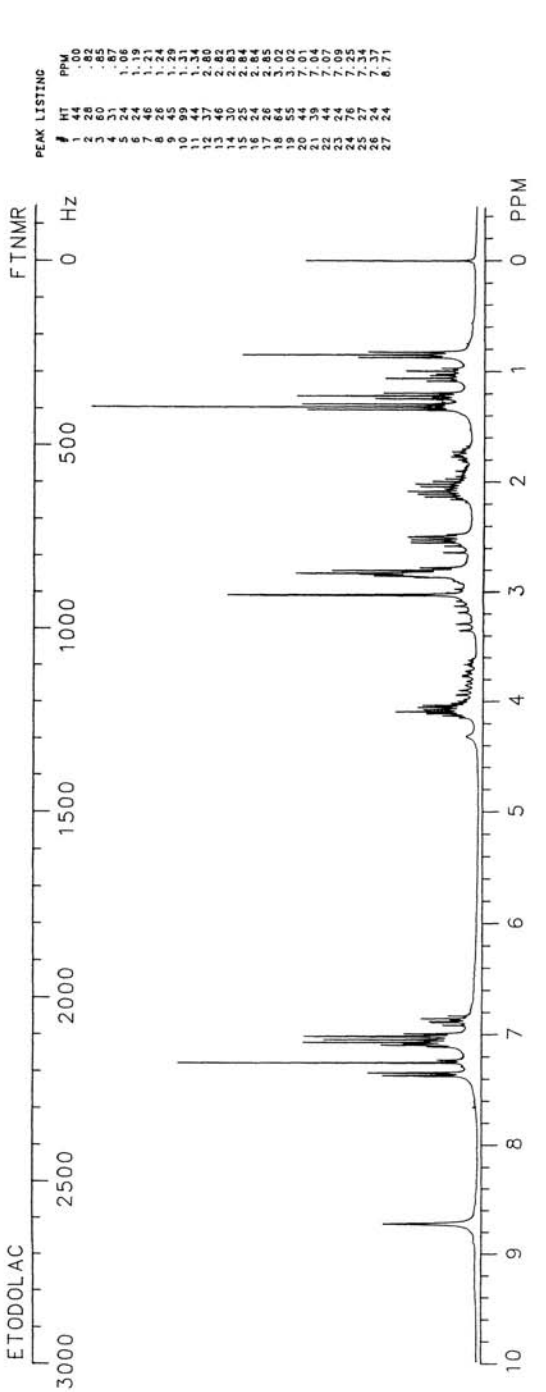
Synonyms: 1,8-Diethyl-1,3,4,9-tetrahydropyano-[3,4-b]indole-1-acetic acid, etodolic acid
Trade Names: Edolan, Lodine, Ramodar, Ultradol, Zedolac
Use: Anti-inflammatory

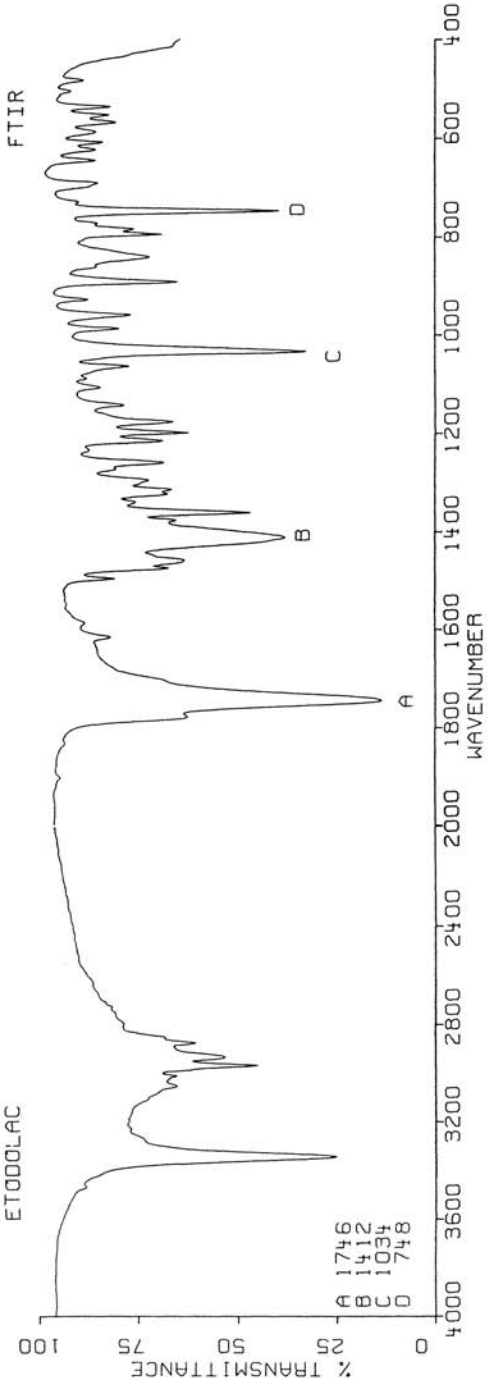
HPLC: Methanol: 2.8
GC: 2333; 250°








ETODOLAC
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 .00
2 28 .82
3 60 .85
4 31 .87
5 24 1.06
6 24 1.19
7 46 1.21
8 26 1.24
9 45 1.29
10 99 1.31
11 44 1.34
12 37 2.80
13 46 2.82
14 30 2.83
15 25 2.84
16 24 2.84
17 26 2.85
18 84 3.02
19 55 7.01
20 44 7.04
21 39 7.07
22 44 7.09
23 24 7.25
24 76 7.34
25 27 7.37
26 24 7.71
27 24 8.71


ETODOLAC
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 1746
B 1412
C 1034
D 748

ETOMIDATE

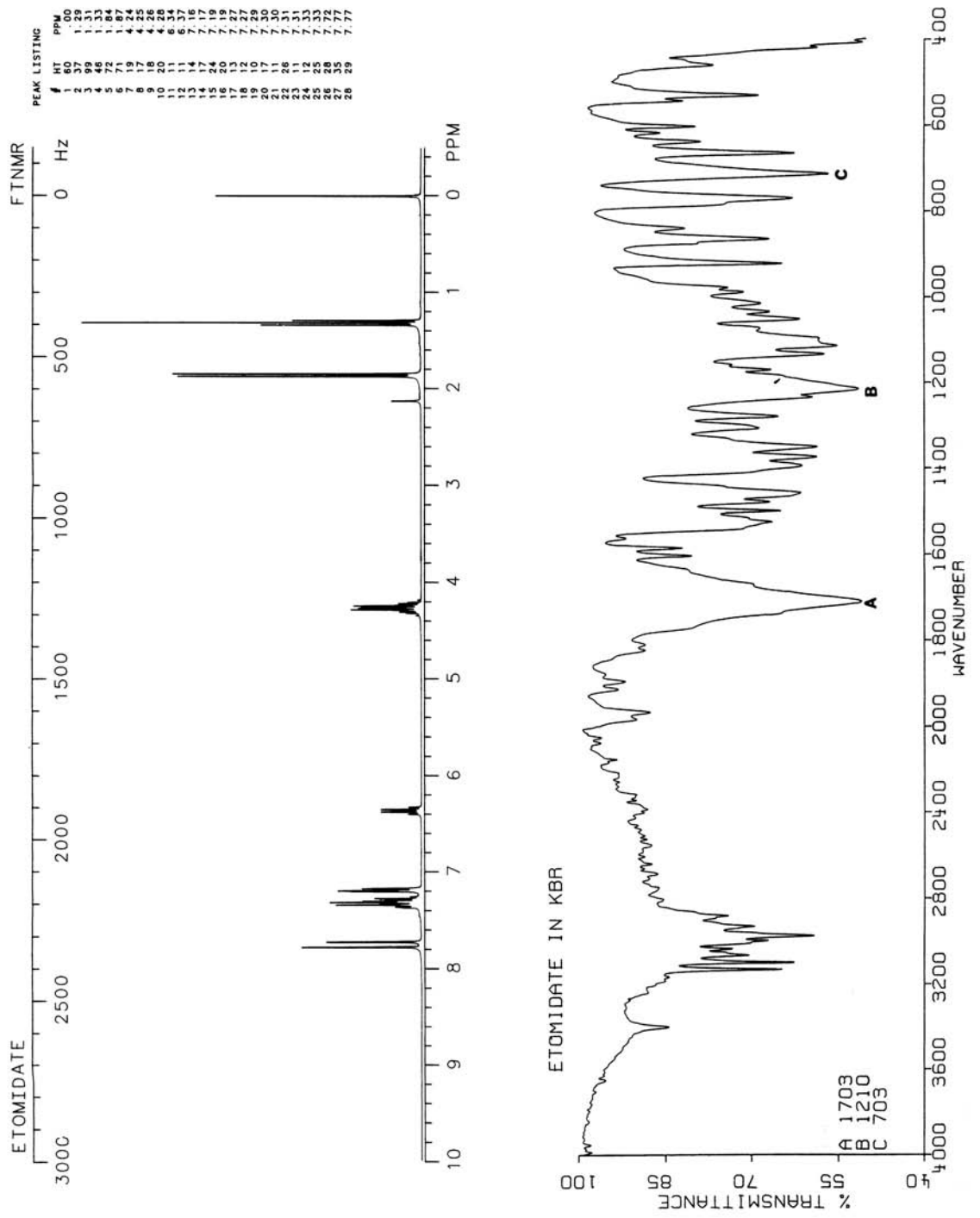
$C_{14}H_{16}N_2O_2$

Molecular weight: 244.29 (244.12)

Synonyms: 1-(1-Phenylethyl)-1H-imidazole-5-carboxylic acid ethyl ester

Trade names: Amidate, Hypnomidate

Uses: Hypnotic
HPLC: 70A:30B; 3.0
GC: 1884; 200°

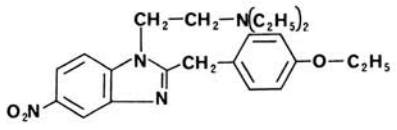

ETOMIDATE
FTNMR
PEAK LISTING
HT PPM
1 60 .00
2 57 1.29
3 99 1.31
4 46 1.33
5 72 1.84
6 71 1.87
7 19 4.24
8 17 4.25
9 18 4.26
10 20 4.28
11 11 6.34
12 11 6.37
13 14 7.16
14 17 7.17
15 24 7.19
16 10 7.27
17 13 7.27
18 12 7.29
19 10 7.29
20 17 7.30
21 11 7.30
22 26 7.31
23 11 7.33
24 12 7.33
25 25 7.72
26 28 7.77
27 35 7.77
28 29 7.77
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ETOMIDATE IN KBR
A 1703
B 1210
C 703
A
B
C
100 85 70 55 40
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

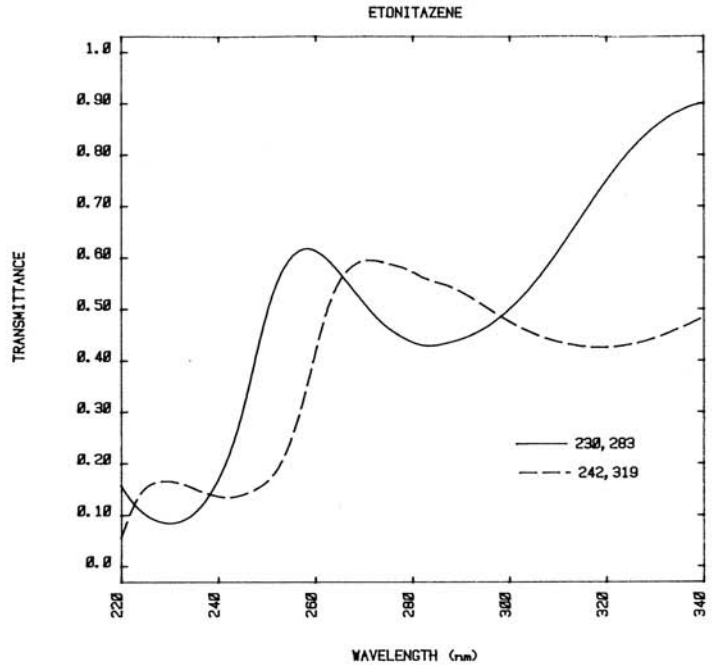
ETONITAZENE

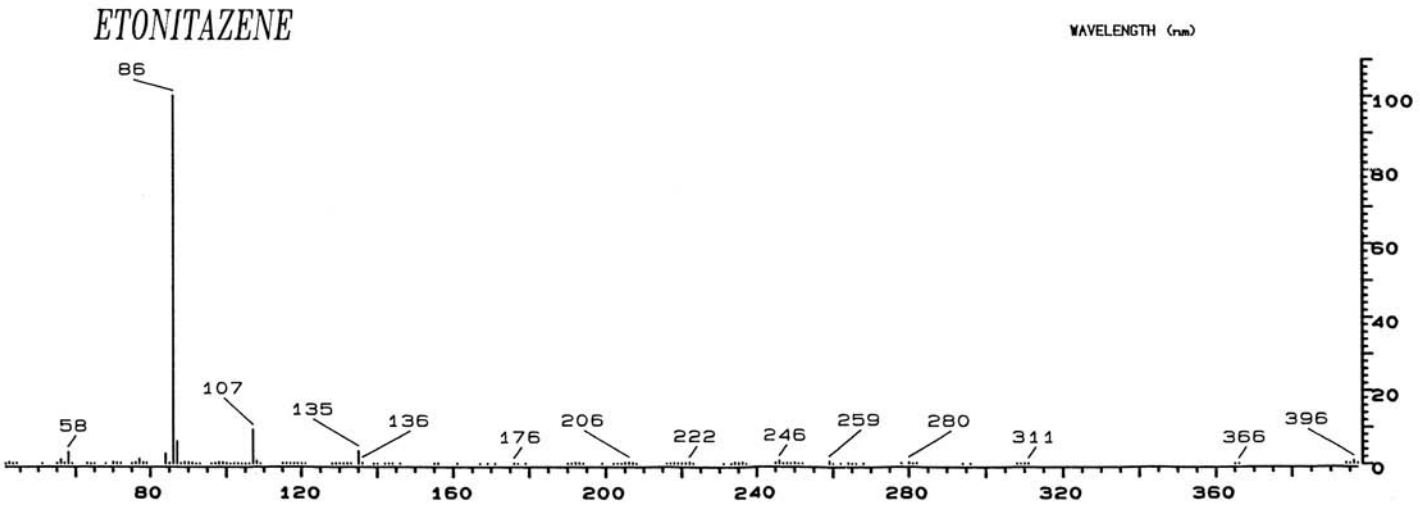
$C_{22}H_{28}N_4O_3$

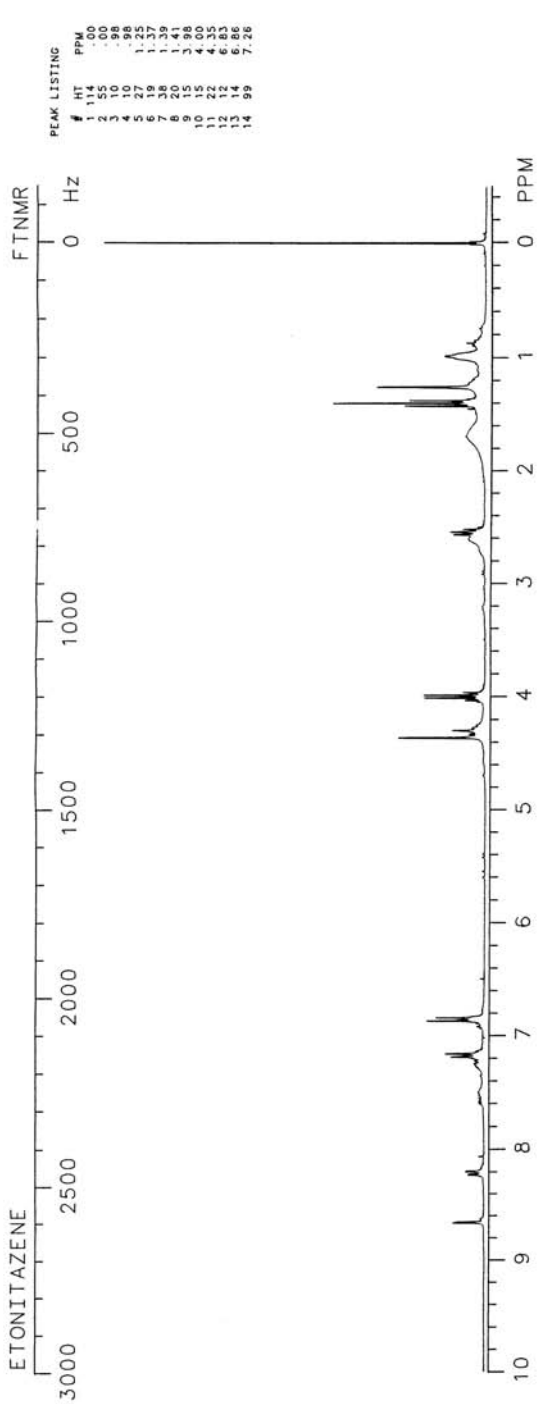
Molecular weight: 396.49 (396.22)
Synonyms: 2-[(4-Ethoxyphenyl)methyl]-N,N-diethyl-5-nitro-1H-benzimidazole-1-ethanamine
Trade names:

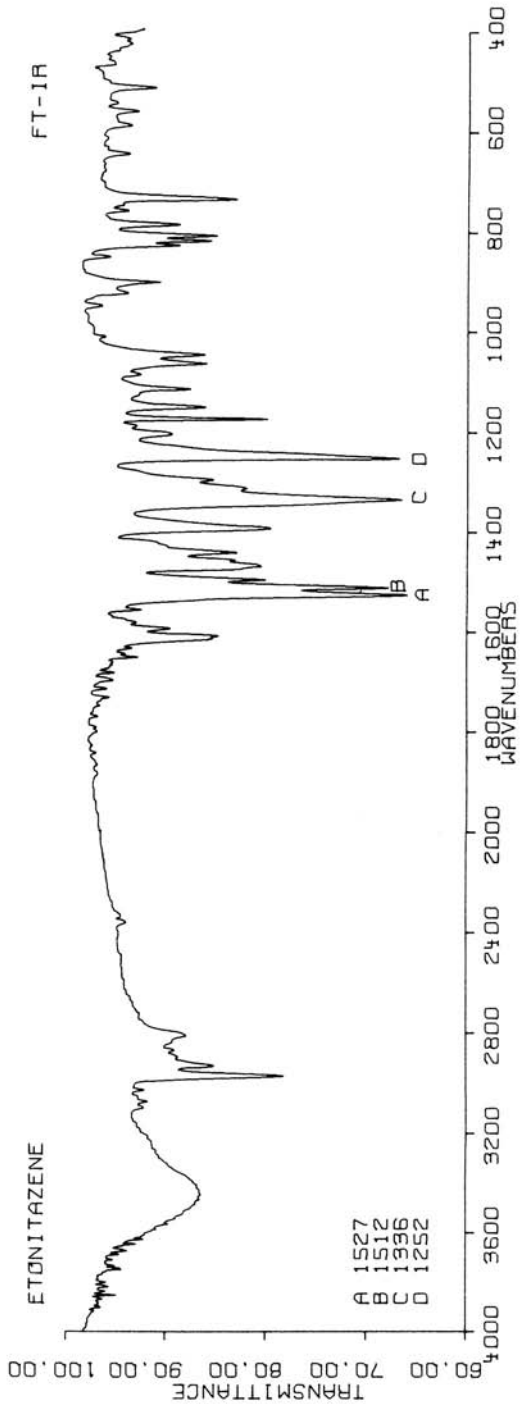
Use: Analgesic
HPLC: Si-10; 2A:98B; 4.2
GC:








ETONITAZENE
FTNMR
Hz
PPM
PEAK LISTING
HT PPM
1 114 .00
2 55 .00
3 10 .98
4 10 .98
5 27 1.35
6 19 1.37
7 38 1.39
8 20 1.41
9 15 3.98
10 15 4.00
11 22 4.35
12 12 6.83
13 14 6.86
14 99 7.26

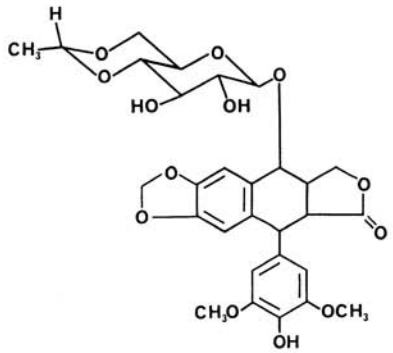

ETONITAZENE
FT-IR
TRANSMITTANCE
WAVENUMBERS
A 1527
B 1512
C 1396
D 1252

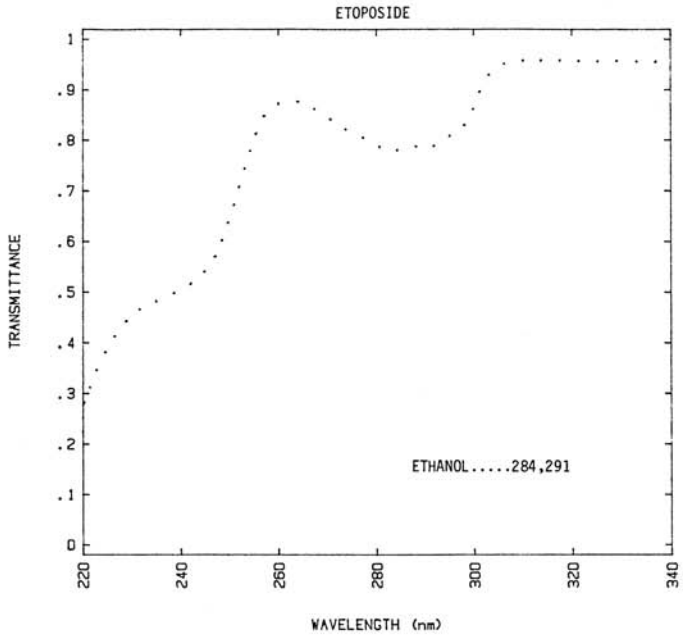
ETOPOSIDE

$C_{29}H_{32}O_{13}$

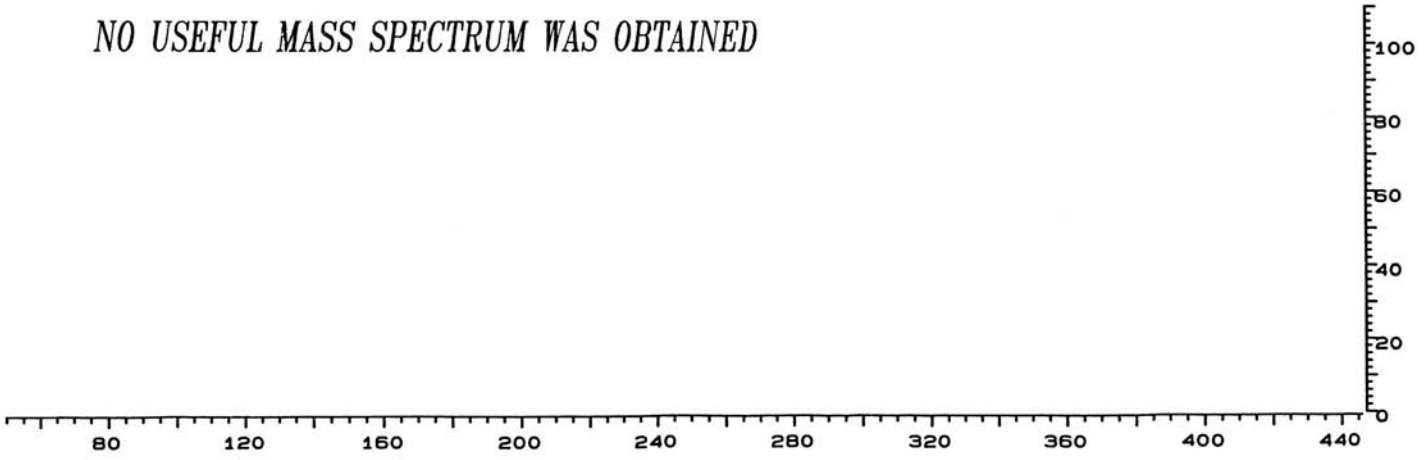
Molecular weight: 588.58 (588.18)
Synonyms: 9-[(4,6-O-Ethylidene-β-D-glucopyranosyl)oxy]-5,8,8a,9-tetrahydro-5-(4-hydroxy-3,5-dimethoxyphenyl)furo[3',4':6,7]naphthol[2,3-d]-1,3-dioxol-6(5aH)-one
Trade names: Vepesid

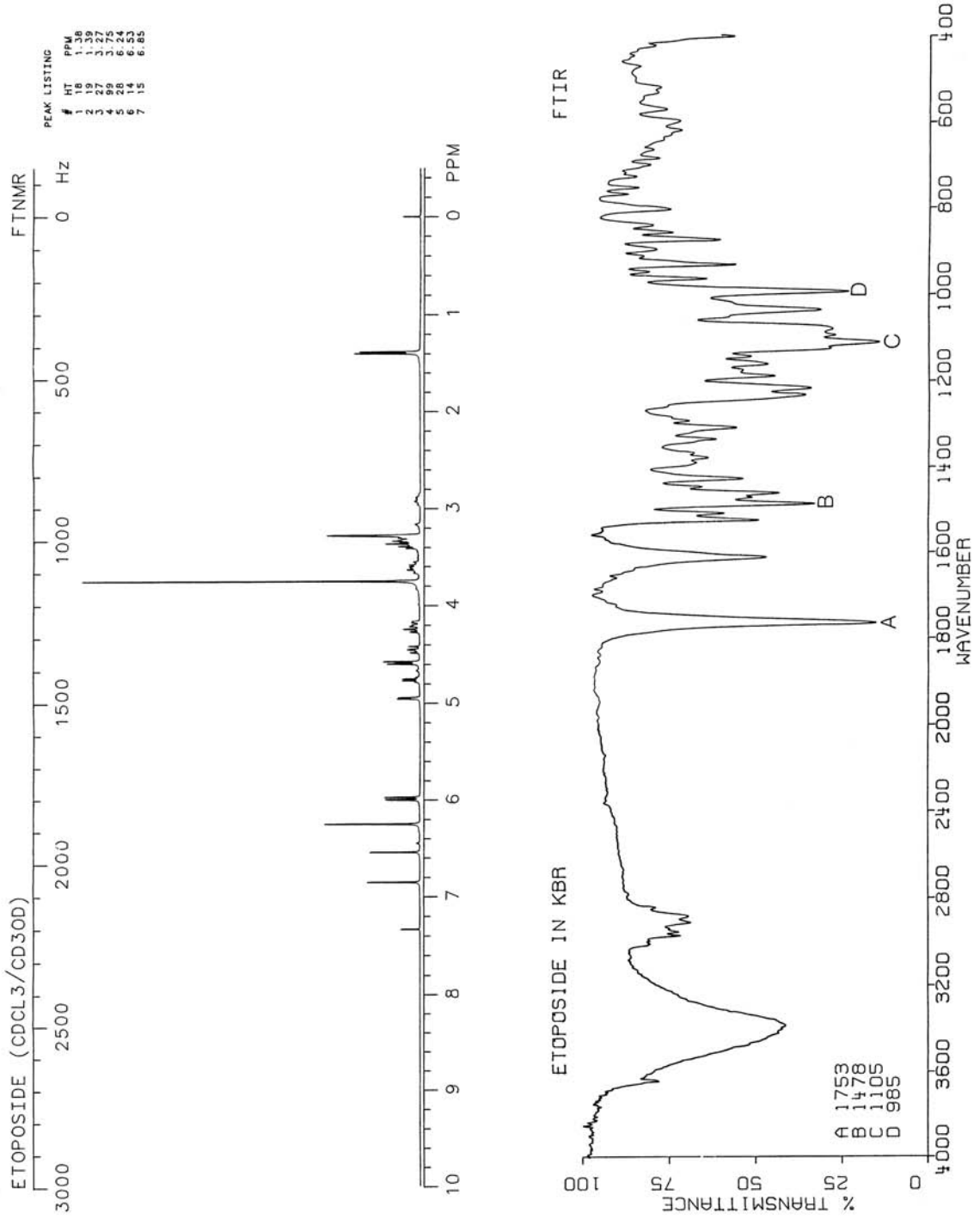
Use: Antineoplastic
HPLC: Si-10; 2A:98B; 4.6
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




ETOPOSIDE (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 18 1.38
2 19 1.39
3 27 3.27
4 99 3.75
5 28 6.24
6 14 6.53
7 15 6.85
ETOPOSIDE IN KBR
FTIR
A 1753
B 1478
C 1105
D 985
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

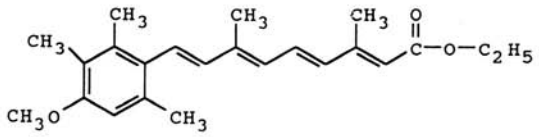
ETRETINATE

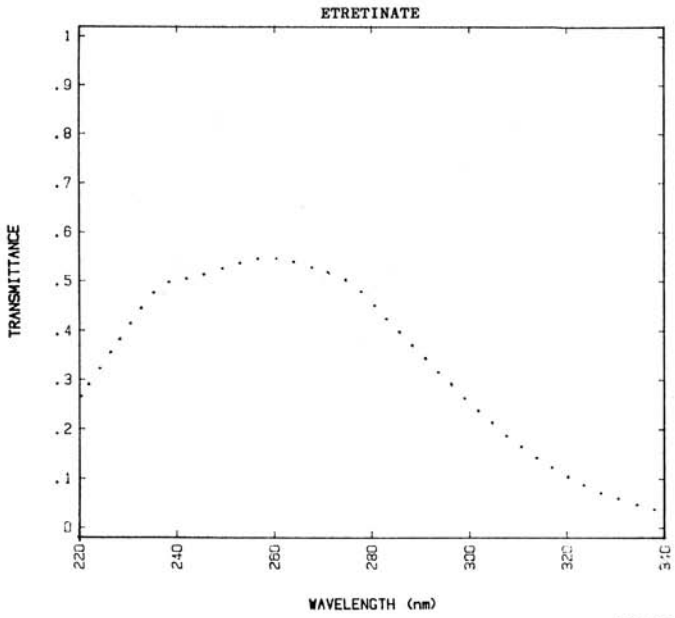
$C_{23}H_{30}O_3$

Molecular weight: 354.49 (354.22)

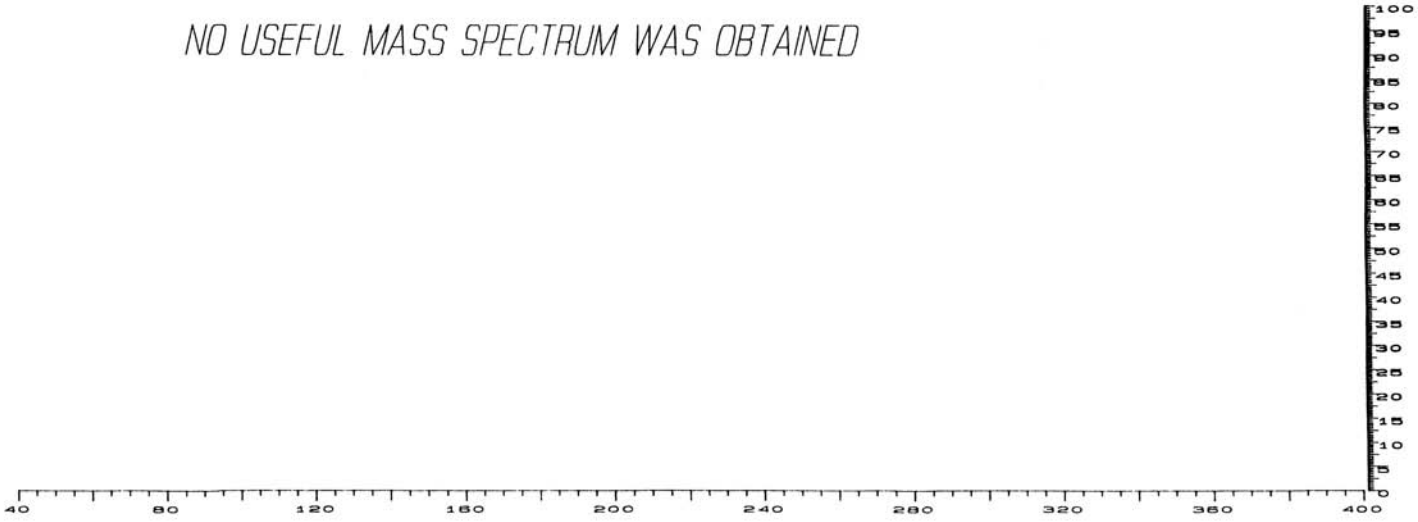
Synonyms: (All-E)-9-(4-Methoxy-2,3,6-trimethylphenyl)-3, 7-dimethyl-2,4,6,8-nonatetraenoic acid ethyl ester
Trade names: Tegison, Tigason

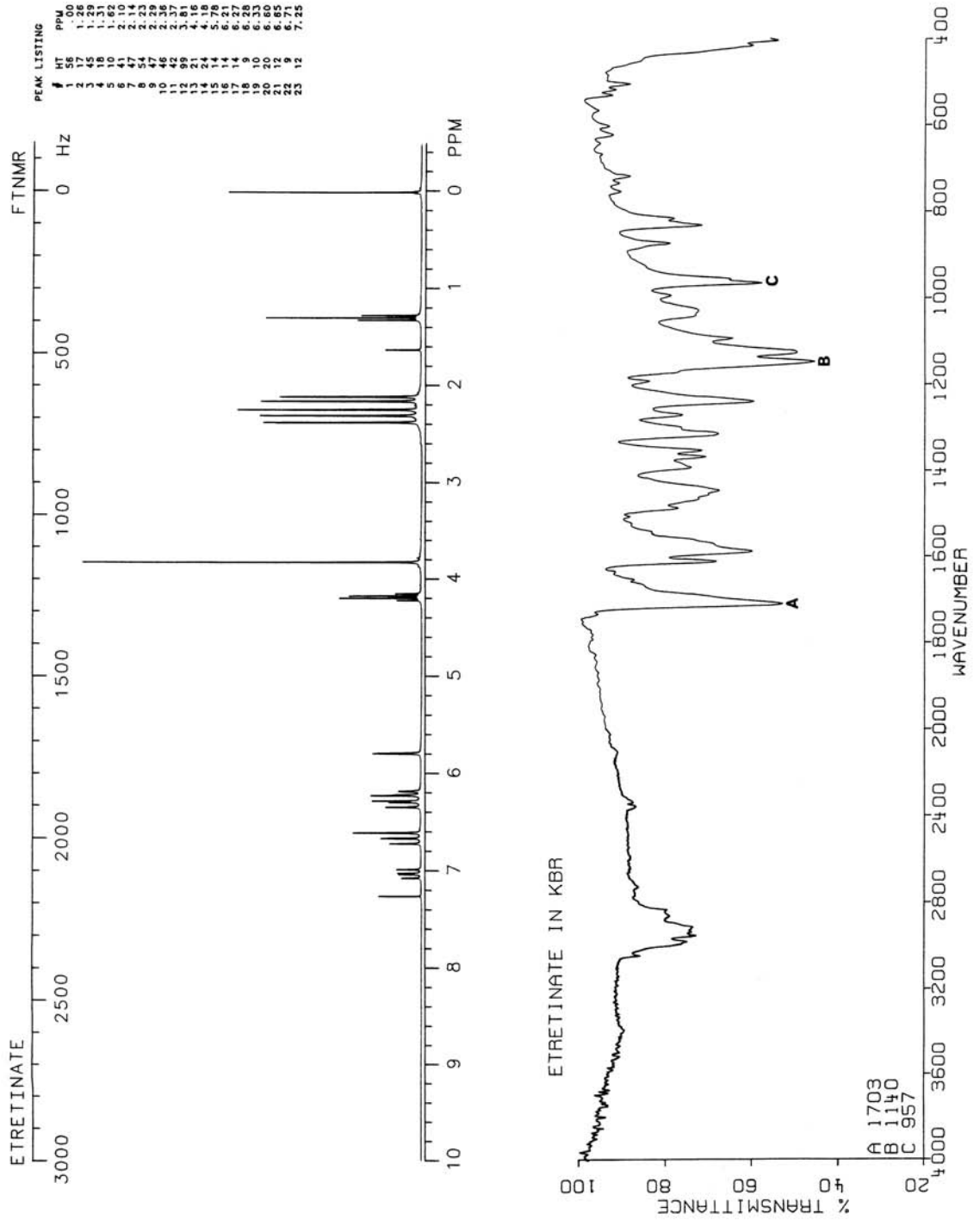
Use: Antipsoriatic
HPLC: 100A; 3.4
GC: 2761; 280°





NO USEFUL MASS SPECTRUM WAS OBTAINED



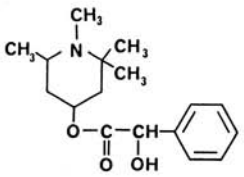

ETRETINATE
FTNMR
PEAK LISTING
HT PPM
1 56 1.00
2 57 1.25
3 45 1.29
4 18 1.31
5 10 1.62
6 41 2.10
7 47 2.14
8 54 2.23
9 47 2.29
10 42 2.38
11 42 2.37
12 99 3.81
13 21 4.16
14 24 4.18
15 14 5.78
16 14 6.21
17 14 6.27
18 9 6.28
19 10 6.33
20 20 6.60
21 12 6.65
22 9 6.71
23 12 7.25
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
ETRETINATE IN KBR
A 1703
B 1140
C 957
A
B
C
100 80 60 40 20
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

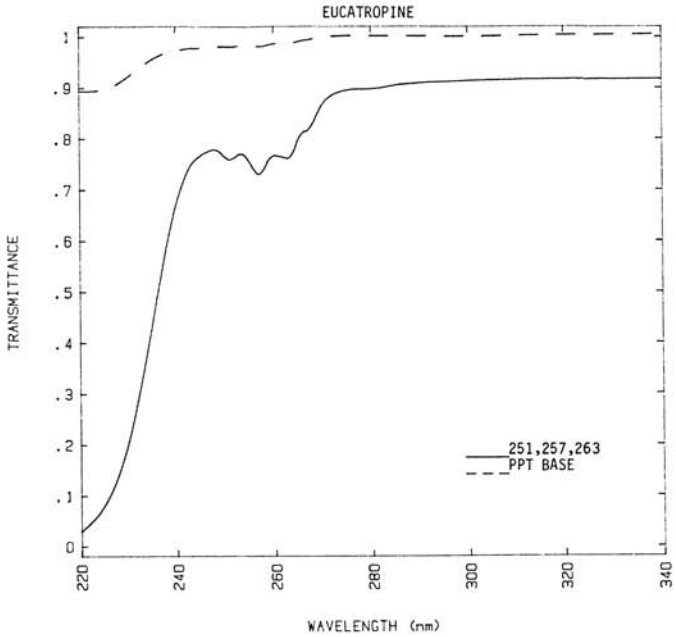
EUCATROPINE

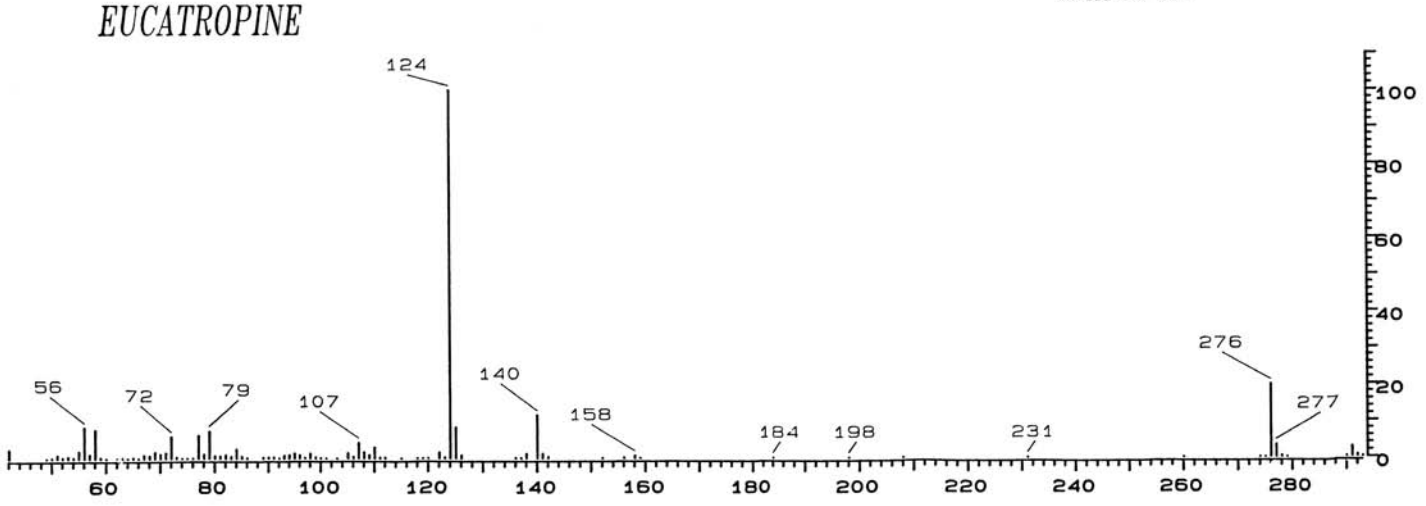
$C_{17}H_{25}NO_3$

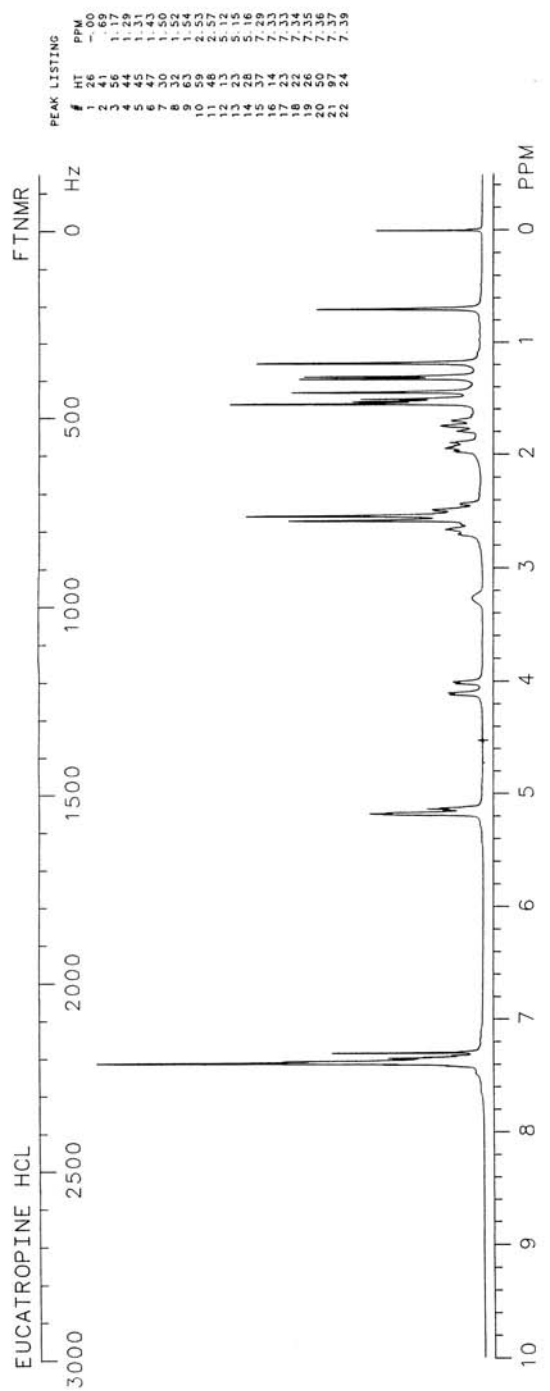
Molecular weight: 291.38 (291.18)
Synonyms: α-Hydroxybenzeneacetic acid 1,2,2,6-tetramethyl-4-piperidinyl ester
Trade names: Euphthalamine

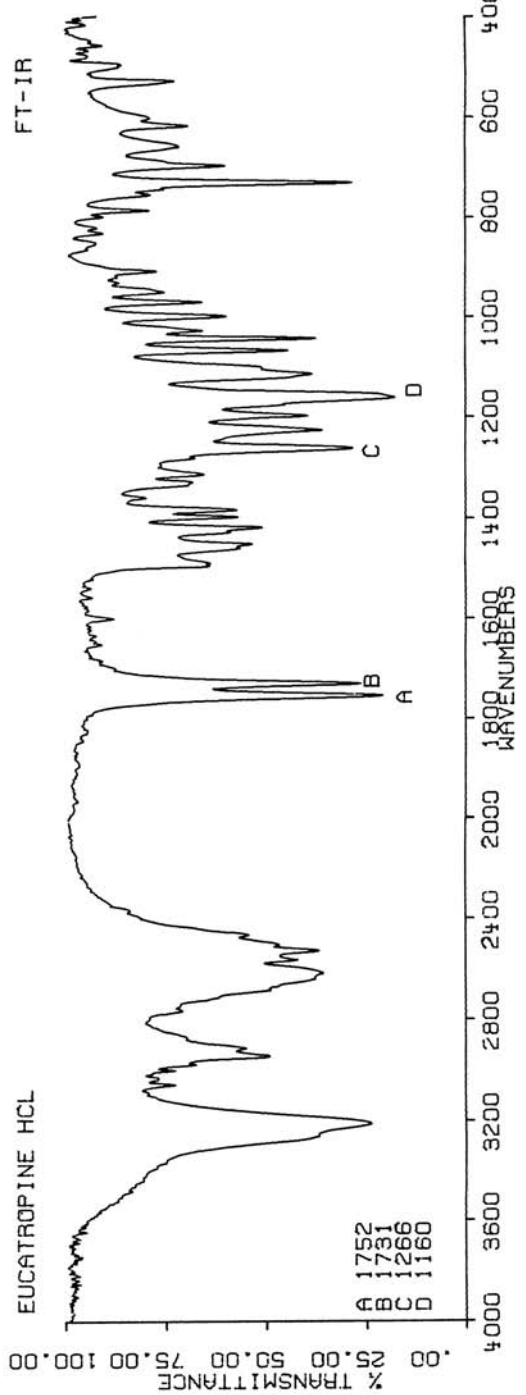
Use: Anticholinergic
HPLC: Si-10; 5A:95B; 7.1
GC: 2120; 250°C








FTNMR
EUCATROPINE HCL
3000
2500
2000
1500
1000
500
0 Hz
0 PPM
PEAK LISTING
HT PPM
1 26 .00
2 41 .69
3 56 1.17
4 44 1.29
5 45 1.31
6 37 1.43
7 30 1.50
8 32 1.52
9 63 1.54
10 59 2.57
11 48 2.53
12 13 5.12
13 23 5.15
14 28 5.16
15 37 7.29
16 14 7.33
17 23 7.33
18 22 7.34
19 26 7.35
20 50 7.36
21 97 7.37
22 24 7.39

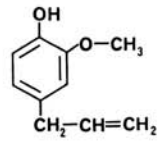

FT-IR
EUCATROPINE HCL
A 1752
B 1731
C 1266
D 1160
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

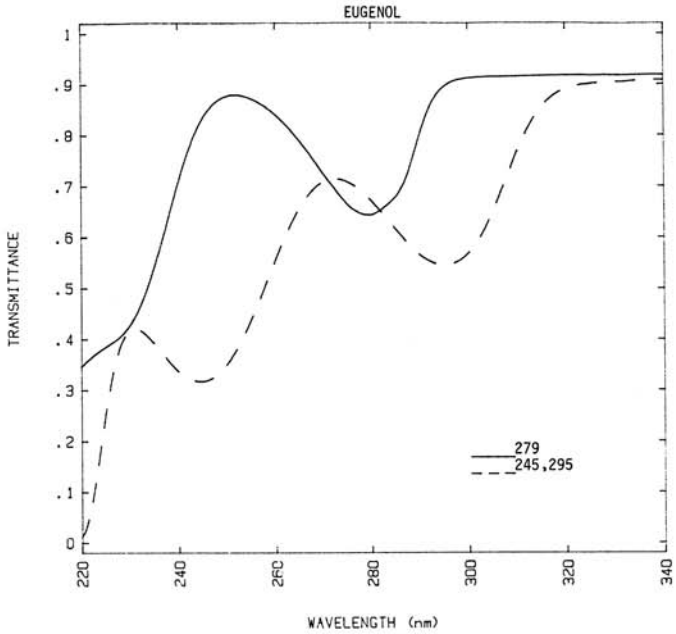
EUGENOL

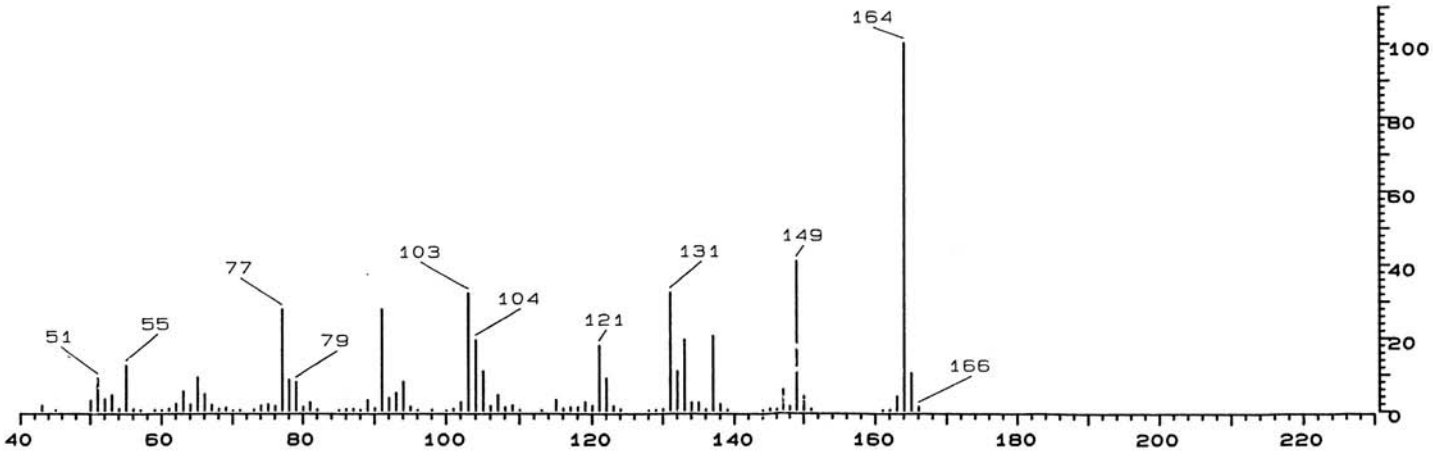
$C_{10}H_{12}O_2$

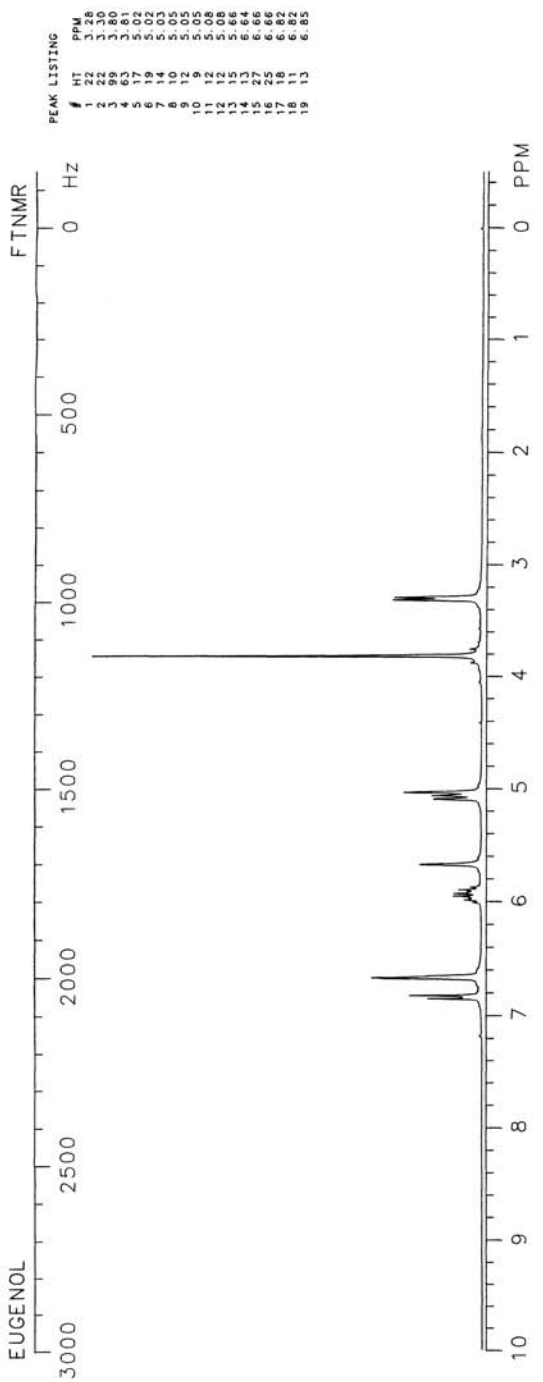
Molecular weight: 164.20 (164.08)
Synonyms: 2-Methoxy-4-(2-propenyl)phenol; allylguaiacol; eugenic acid; caryophyllic acid
Trade names: O-Benzoyleugenol

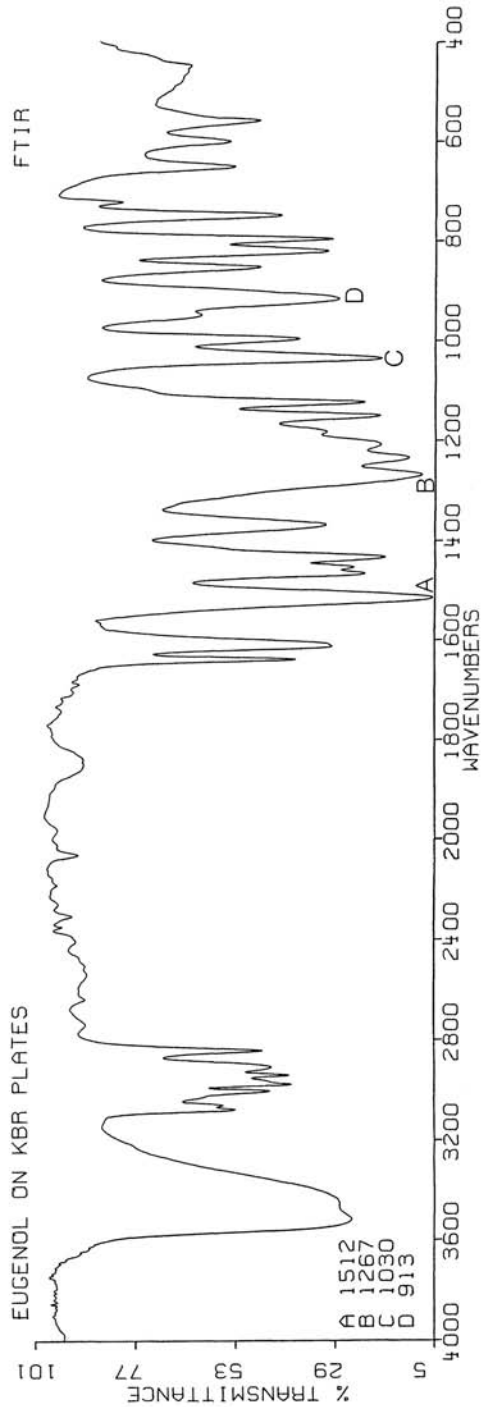
Use: Analgesic
HPLC: Si-10; 20B:80C; 3.3
GC: 1371; 140°C








EUGENOL
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 3.28
2 22 3.30
3 89 3.80
4 65 3.81
5 17 5.01
6 19 5.02
7 14 5.03
8 10 5.05
9 12 5.05
10 9 5.05
11 12 5.08
12 12 5.08
13 15 5.66
14 13 6.64
15 27 6.66
16 25 6.66
17 18 6.82
18 11 6.82
19 13 6.85


EUGENOL ON KBR PLATES
FTIR
% TRANSMITTANCE
101
77
53
29
5
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D
A 1512
B 1267
C 1030
D 913

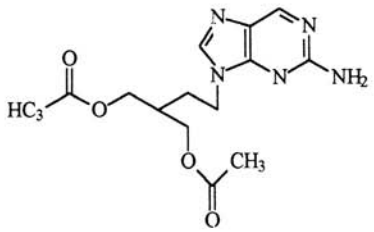
FAMCICLOVIR

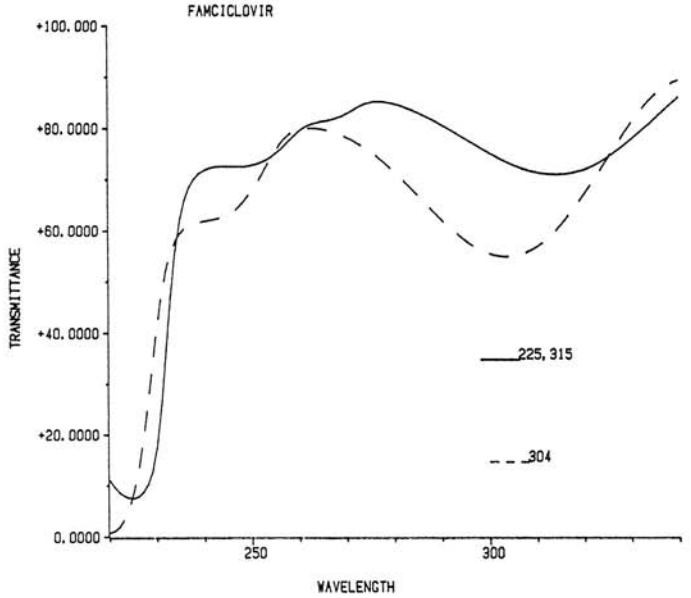
$C_{14}H_{19}N_5O_4$

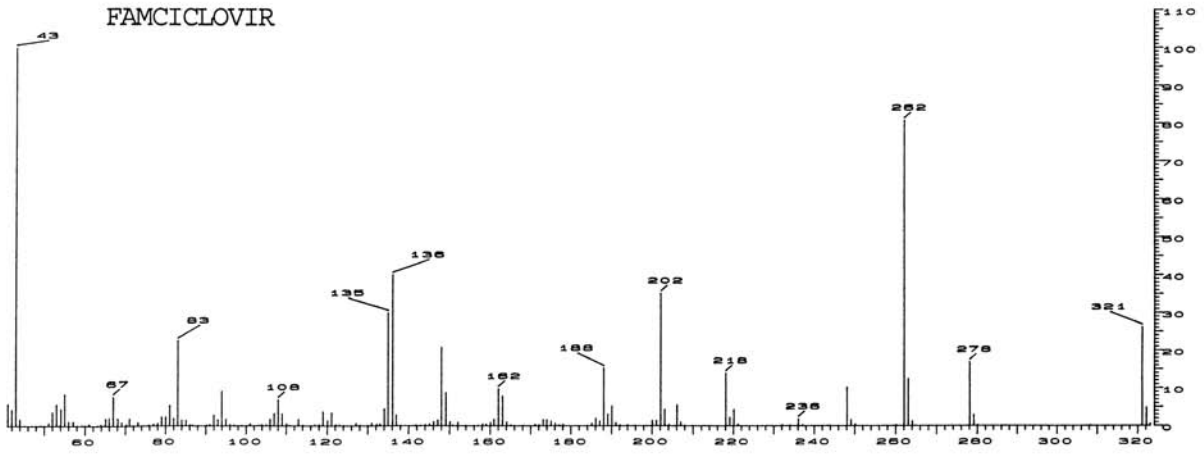
Molecular Weight: 321.36 (321.14)

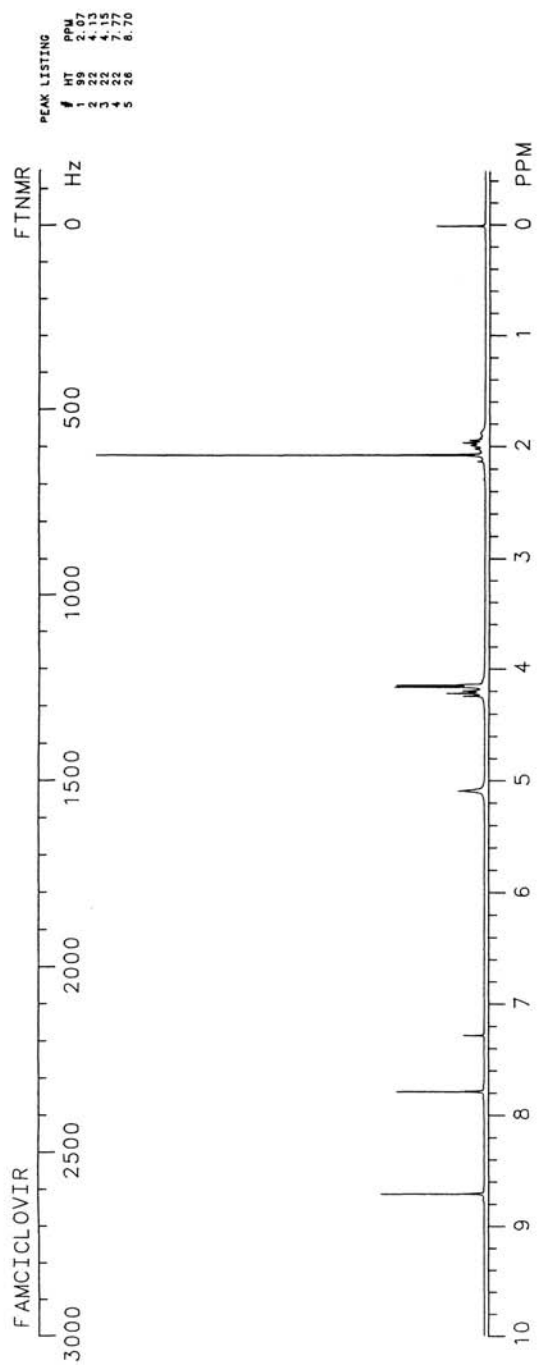
Synonyms: 2-[2-(2-Amino-9H-purin-9-yl)ethyl]-1,3-propanediol diacetate
Trade Names: Famvir
Use: Antiviral agent

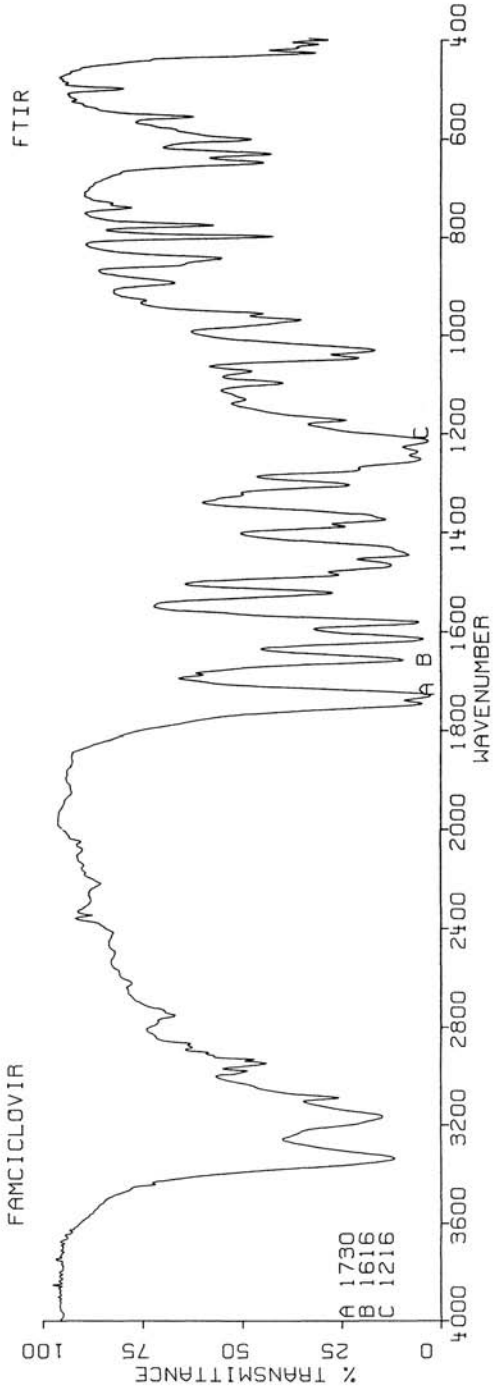
HPLC:
GC: 2552; 280°








FAMCICLOVIR
FTNMR
PEAK LISTING
HT PPM
1 99 2.07
2 22 4.13
3 22 4.15
4 22 7.17
5 26 6.70
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FAMCICLOVIR
FTIR
A 1730
B 1616
C 1216
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

FAMOTIDINE

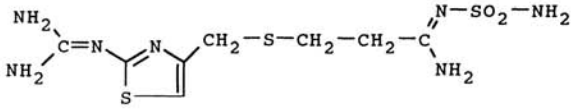
$C_8H_{15}N_7O_2S_3$

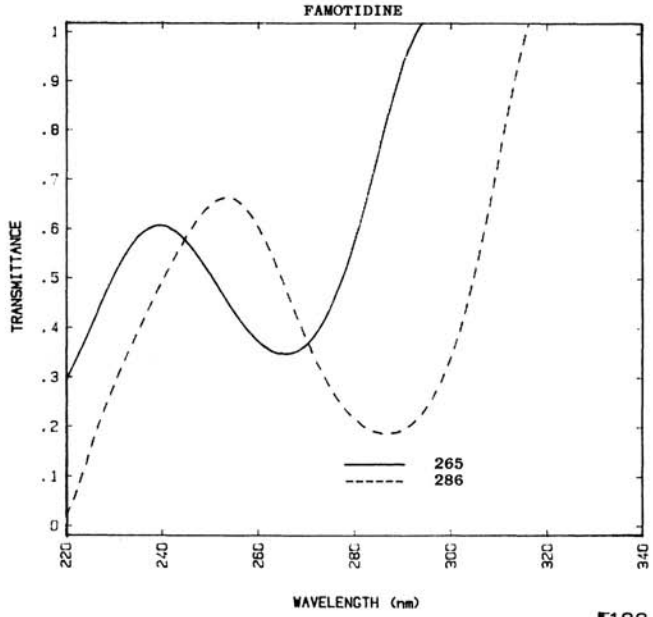
Molecular weight: 337.43 (337.05)

Synonyms: 3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]thio]-N-(amino-sulfonyl)propanimidamide

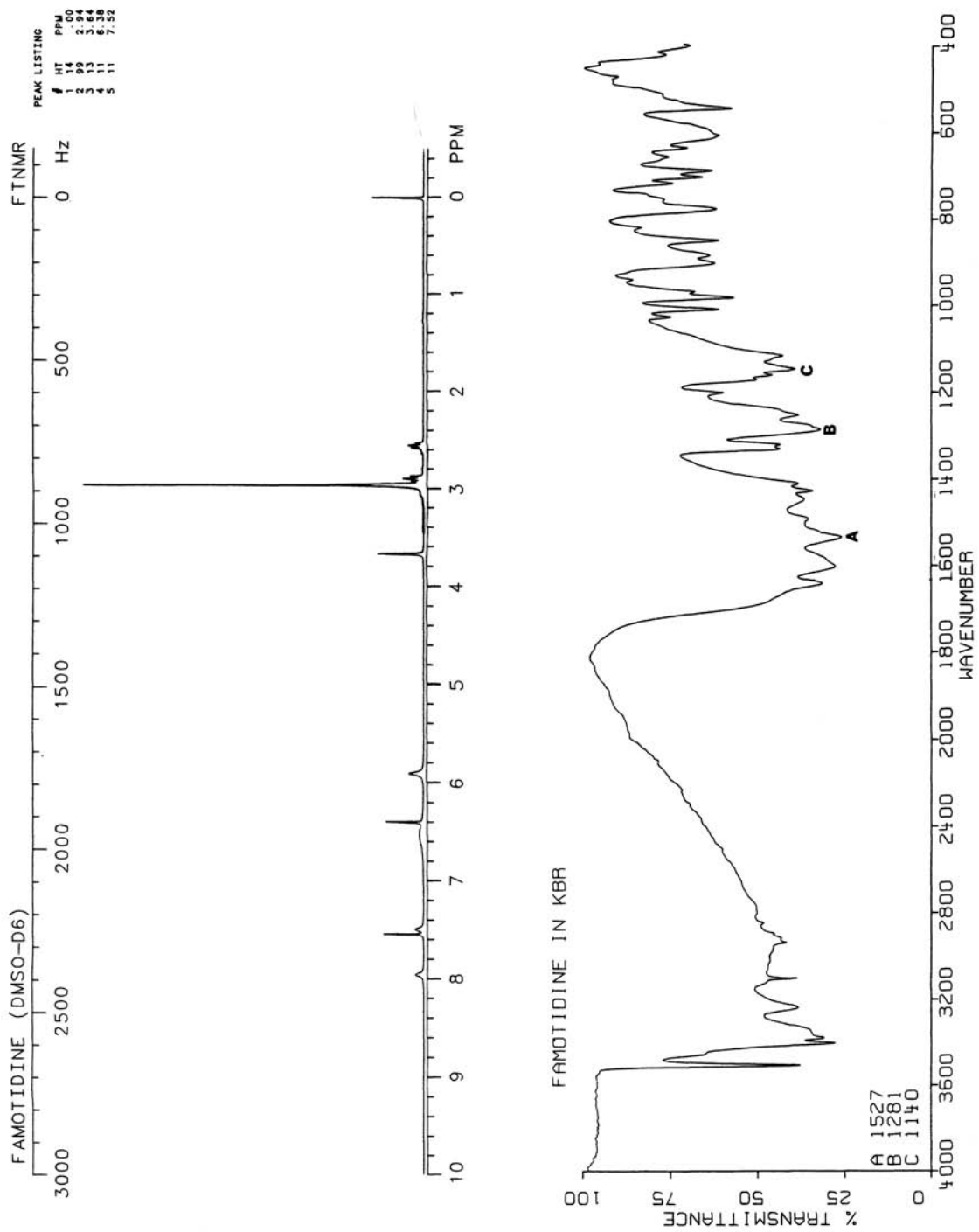
Trade names: Dispronil, Famodil, Famosan, Famoxal, Fanosin, Fibonel, Ganor, Gaster, Gastridan, Gastridin, Gastropen, Lecedil, Motiax, Muclox, Nulcrin, Pepcid, Pepcidina, Pepcidine, Pepdine, Pepdul, Peptar, Ulceprax, Ulfamid, Ulfinol

Use: Anti-ulcerative
HPLC: 50A:50C; 1.4
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED


FAMOTIDINE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 14 1.00
2 93 2.94
3 13 3.64
4 11 6.38
5 11 7.52
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FAMOTIDINE IN KBR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1527
B 1281
C 1140
A
B
C

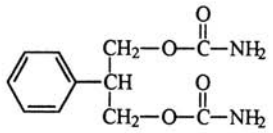
FELBAMATE

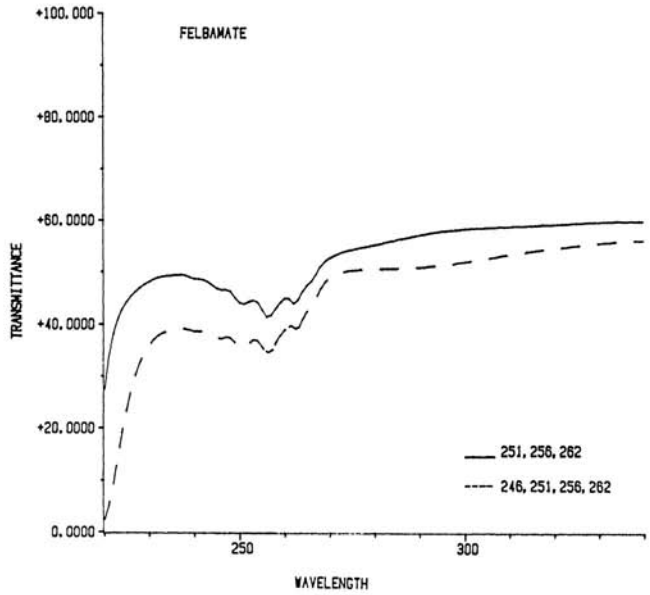
$C_{11}H_{14}N_2O_4$

Molecular Weight: 238.24 (238.10)

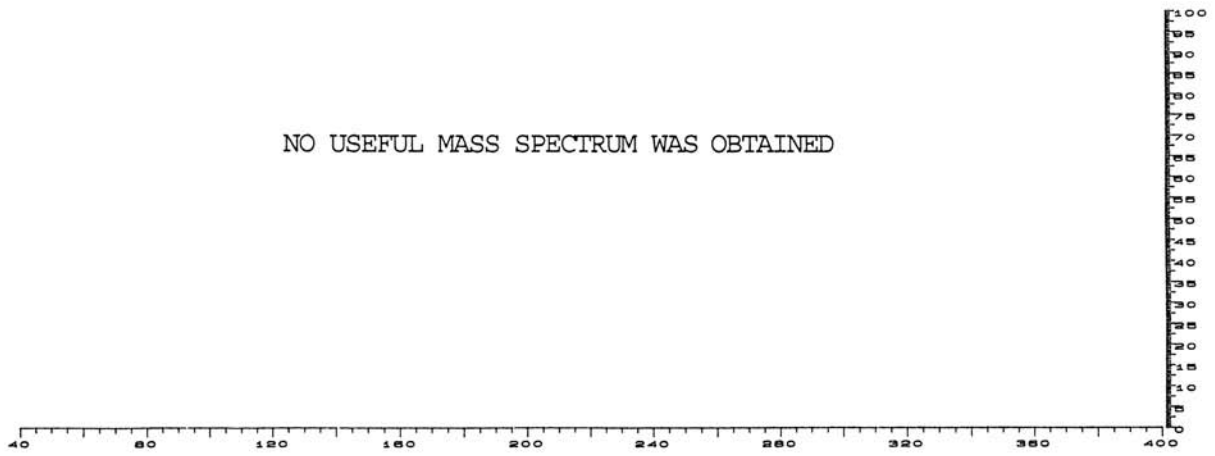
Synonyms: 2-Phenyl-1,3-propanediol dicarbamate
Trade Names: Felbatol
Use: Antiepiletic

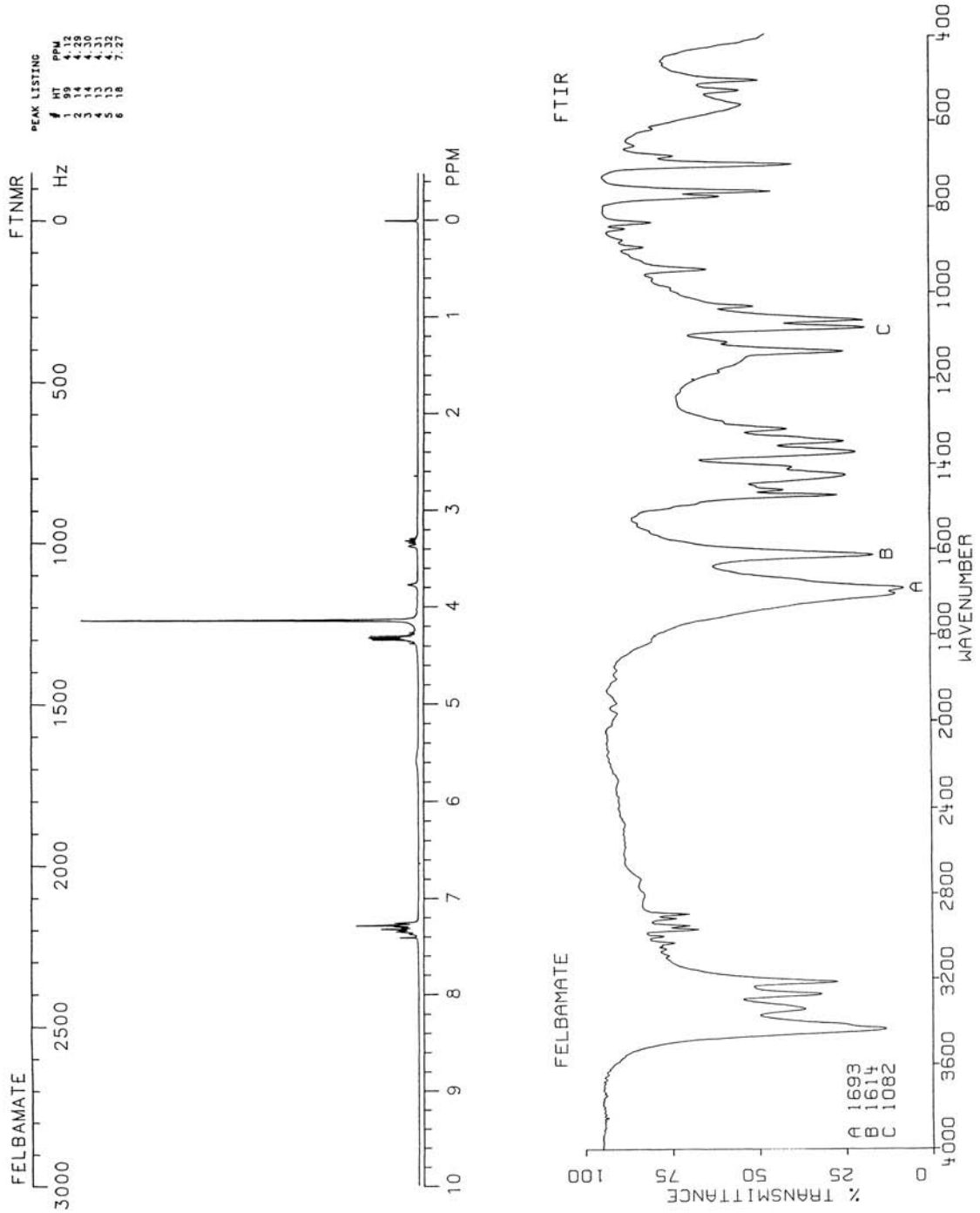
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




FELBAMATE
FTNMR
PEAK LISTING
HT PPM
1 99 4.12
2 14 4.29
3 14 4.30
4 13 4.31
5 13 4.32
6 18 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FELBAMATE
FTIR
A 1693
B 1614
C 1082
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

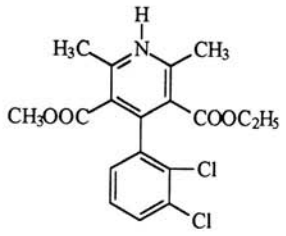
FELODIPINE

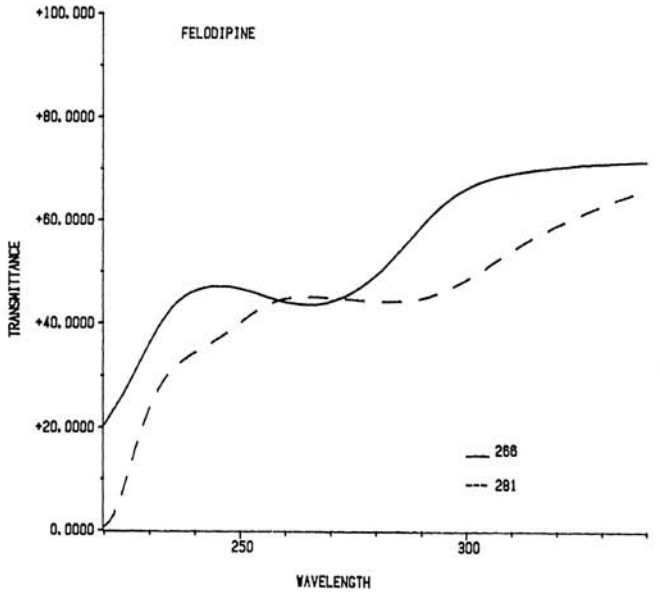
$C_{18}H_{19}Cl_2NO_4$

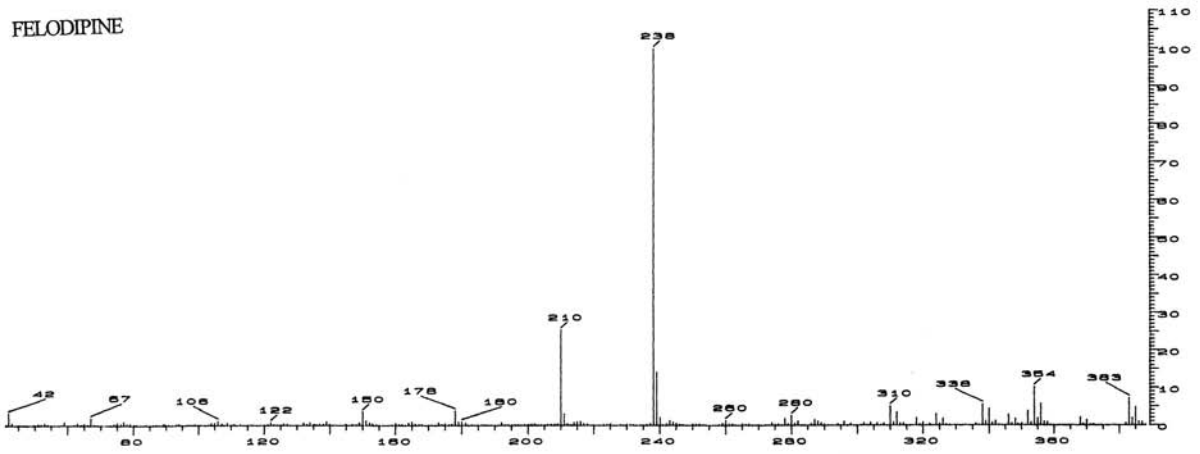
Molecular Weight: 384.26 (383.07)

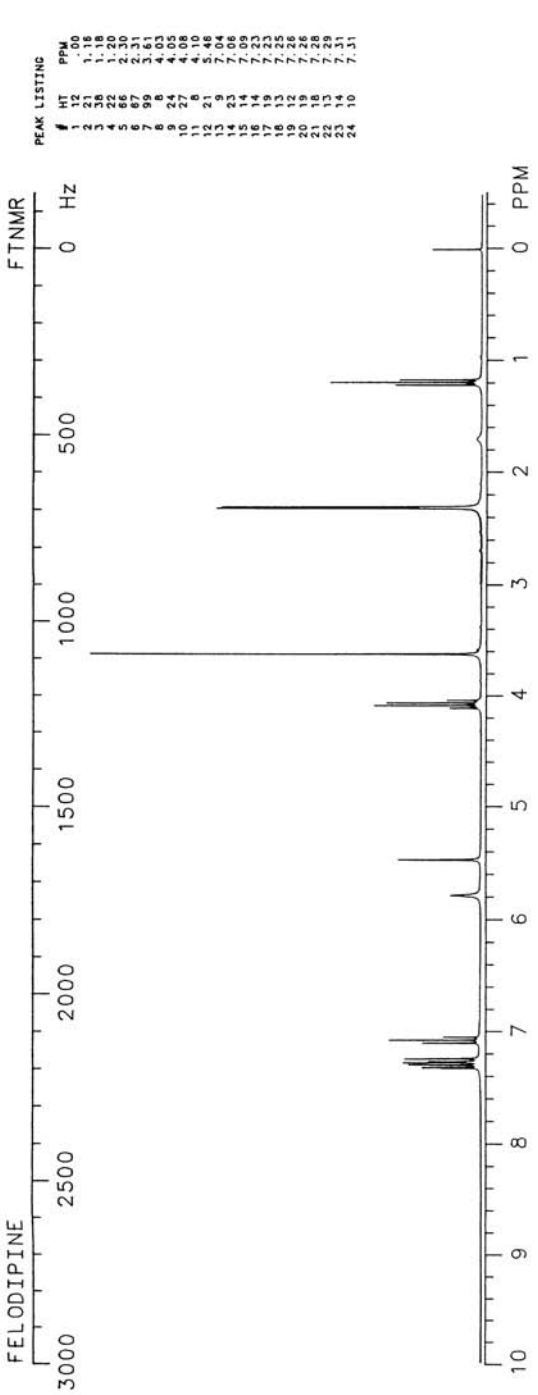
Synonyms: 4-(2,3-Dichlorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid ethyl methyl ester
Trade Names: Agon, Hydac, Munobal, Plendil, Splendil
Use: Antihypertensive

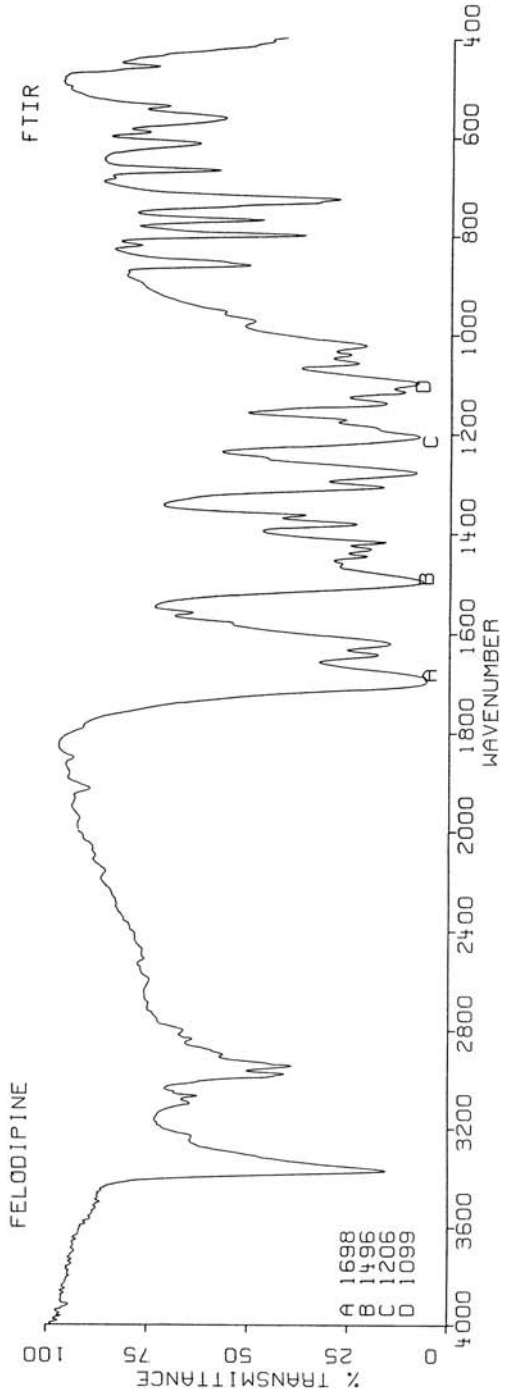
HPLC: Methanol: 3.5
GC: 2647; 280°








FELODIPINE
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 21 1.18
3 38 1.18
4 22 1.20
5 66 2.30
6 67 2.31
7 99 3.61
8 8 4.03
9 24 4.05
10 27 4.08
11 6 4.10
12 21 5.46
13 9 7.04
14 23 7.06
15 14 7.09
16 14 7.23
17 19 7.23
18 13 7.25
19 12 7.26
20 19 7.28
21 18 7.28
22 13 7.29
23 14 7.31
24 10 7.31

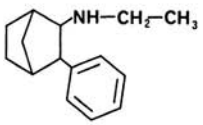

FELODIPINE
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A 1698
B 1496
C 1206
D 1099
A
B
C
D

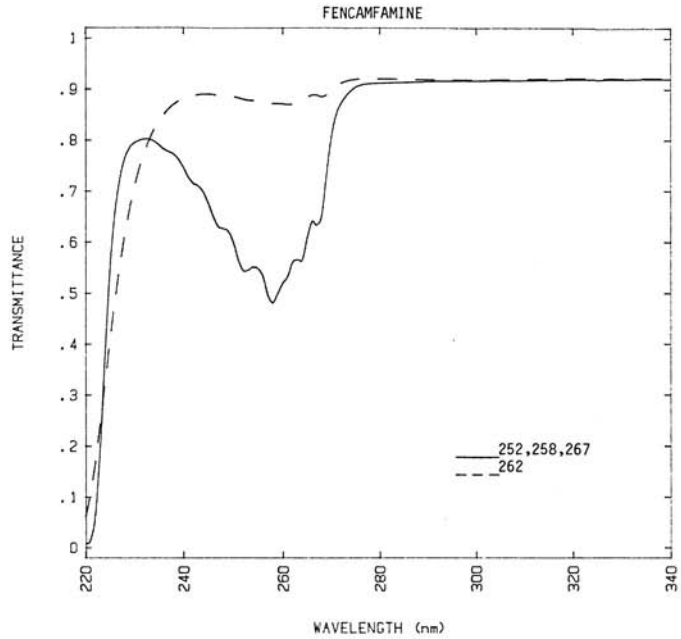
FENCAMFAMINE

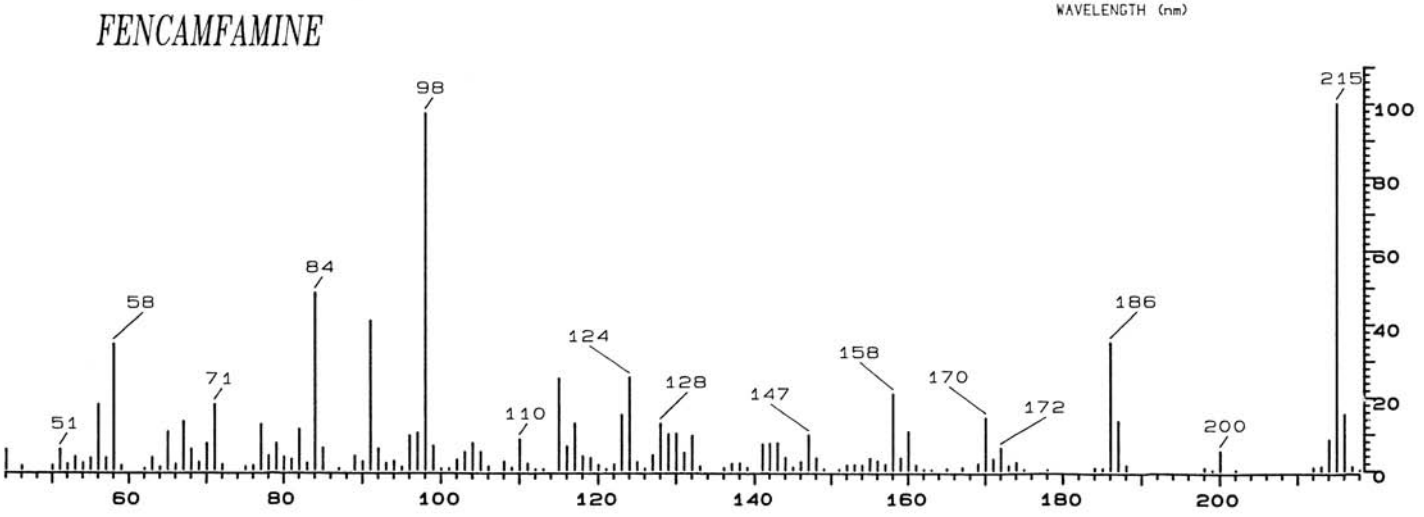
$C_{15}H_{21}N$

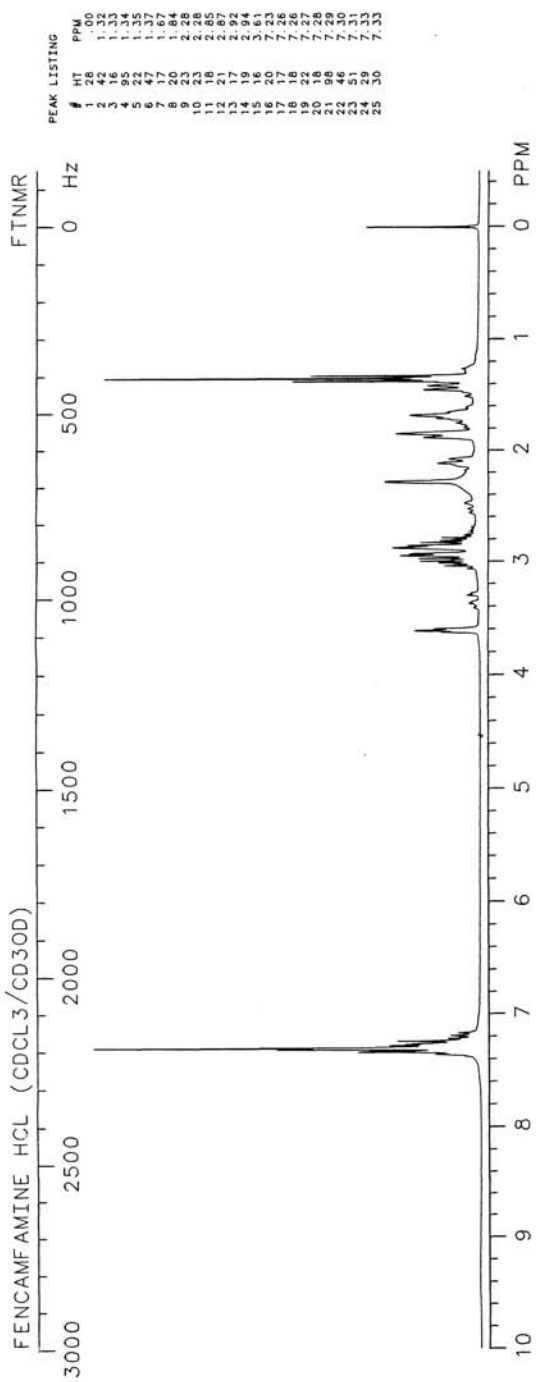
Molecular weight: 215.33 (215.17)
Synonyms: N-Ethyl-3-phenylbicyclo[2.2.1]-heptan-2-amine; 2-ethylamino-3-phenylnorbornane
Trade names: Euvitol, Norcamphane, Reactivan

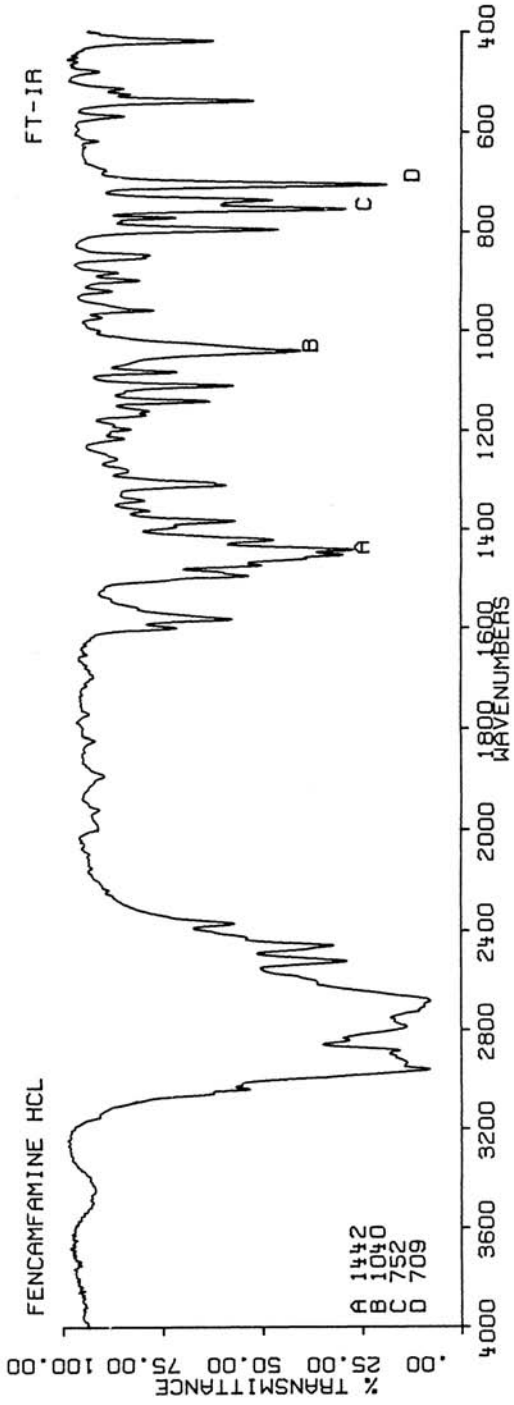
Use: Central stimulant
HPLC: Si-10; 5A:95B; 3.3
GC: 1711; 200°C








FENCAMFAMINE 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 28 .00
2 42 1.32
3 16 1.33
4 95 1.34
5 22 1.35
6 47 1.37
7 17 1.67
8 20 1.84
9 23 2.28
10 23 2.28
11 18 2.85
12 21 2.87
13 17 2.92
14 19 3.84
15 18 3.91
16 20 7.23
17 17 7.26
18 18 7.26
19 22 7.27
20 18 7.28
21 26 7.29
22 46 7.30
23 51 7.31
24 29 7.33
25 30 7.33

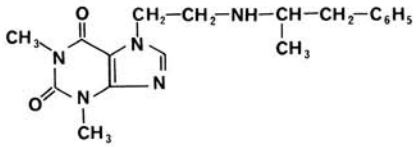

FENCAMFAMINE HCL
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
A 1442
B 1040
C 752
D 709
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

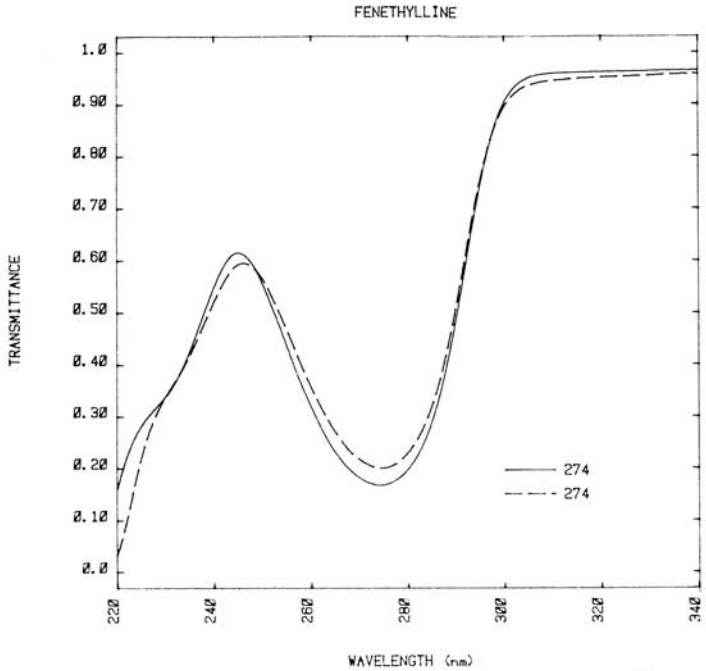
FENETHYLLINE

$C_{18}H_{23}N_5O_2$

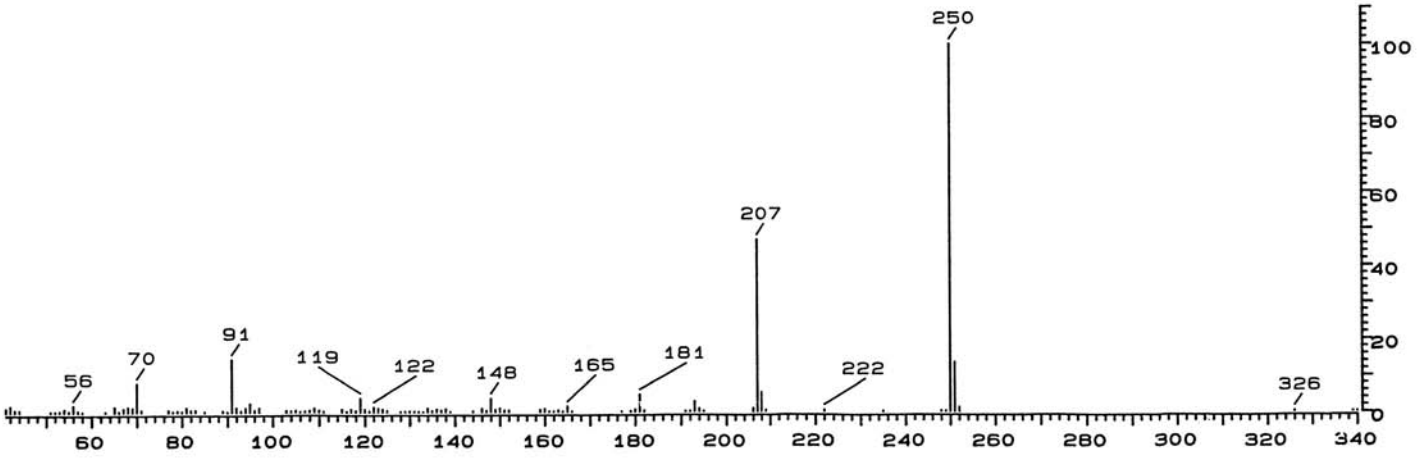
Molecular weight: 341.41 (341.19)
Synonyms: 3,7-Dihydro-1,3-dimethyl-7-[2-[(1-methyl-2-phenylethyl)-amino]ethyl]-1H-purine-2,6-dione; 7-(3-phenyl-2-propylamino-ethyl)theophylline
Trade names: Captagon

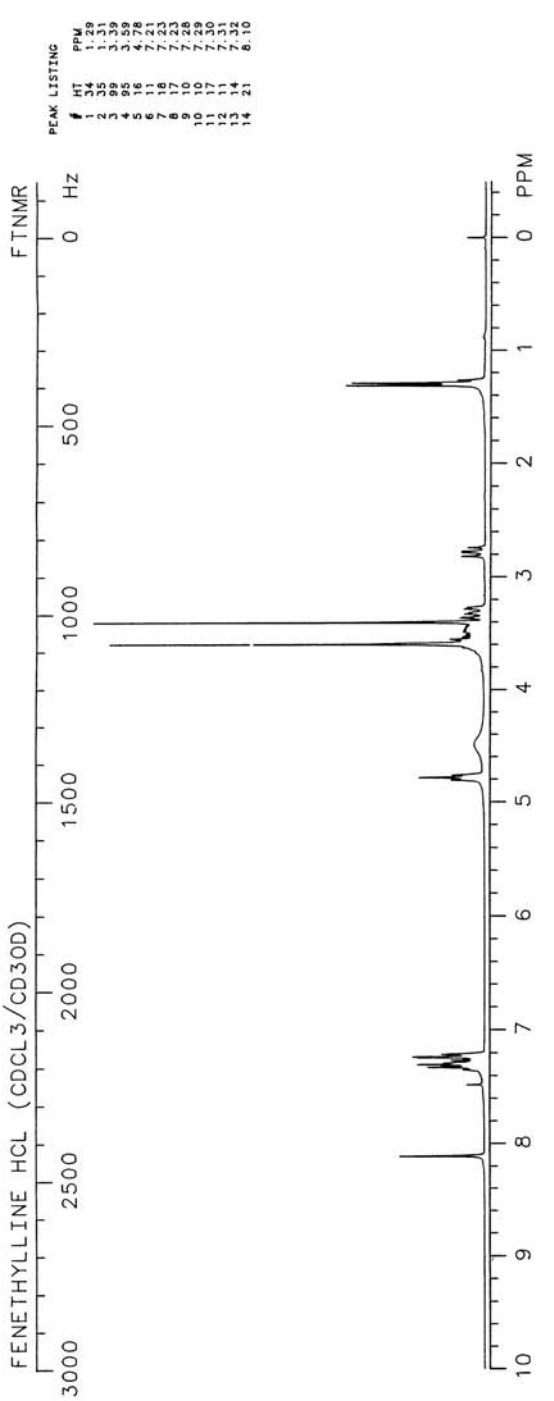
Use: Stimulant
HPLC: Si-10; 2A:98B; 6.5
GC: 2894; 280°C

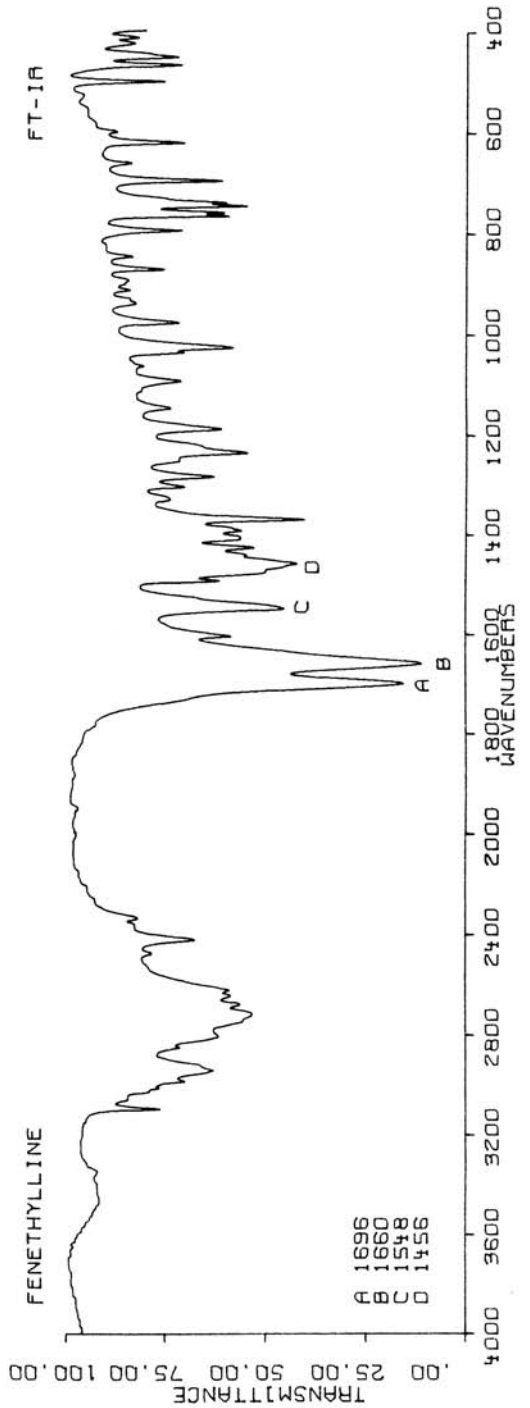




FENETHYLLINE




FENETHYLLINE HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 34 1.29
2 35 1.31
3 99 3.39
4 95 3.59
5 16 4.78
6 11 7.21
7 10 7.23
8 17 7.28
9 10 7.29
10 10 7.30
11 17 7.31
12 11 7.32
13 14 8.10
14 21
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

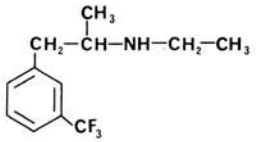

FT-IR
FENETHYLLINE
A 1696
B 1660
C 1548
D 1456
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

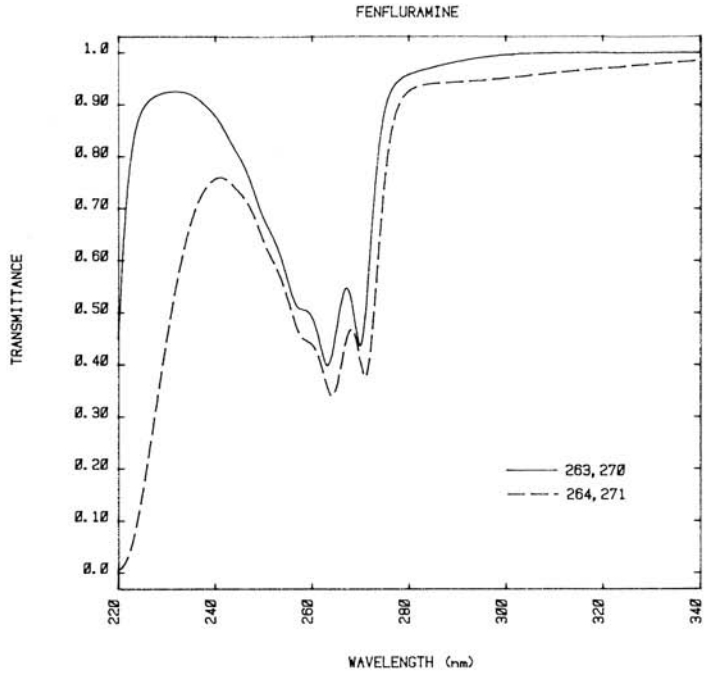
FENFLURAMINE

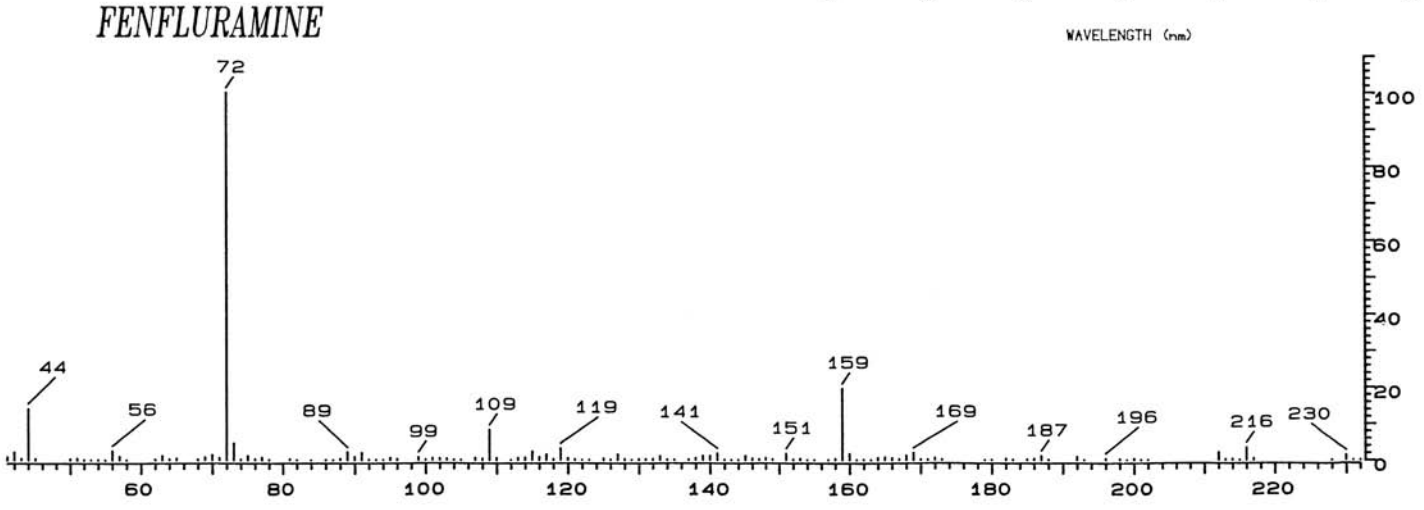
$C_{12}H_{16}F_3N$

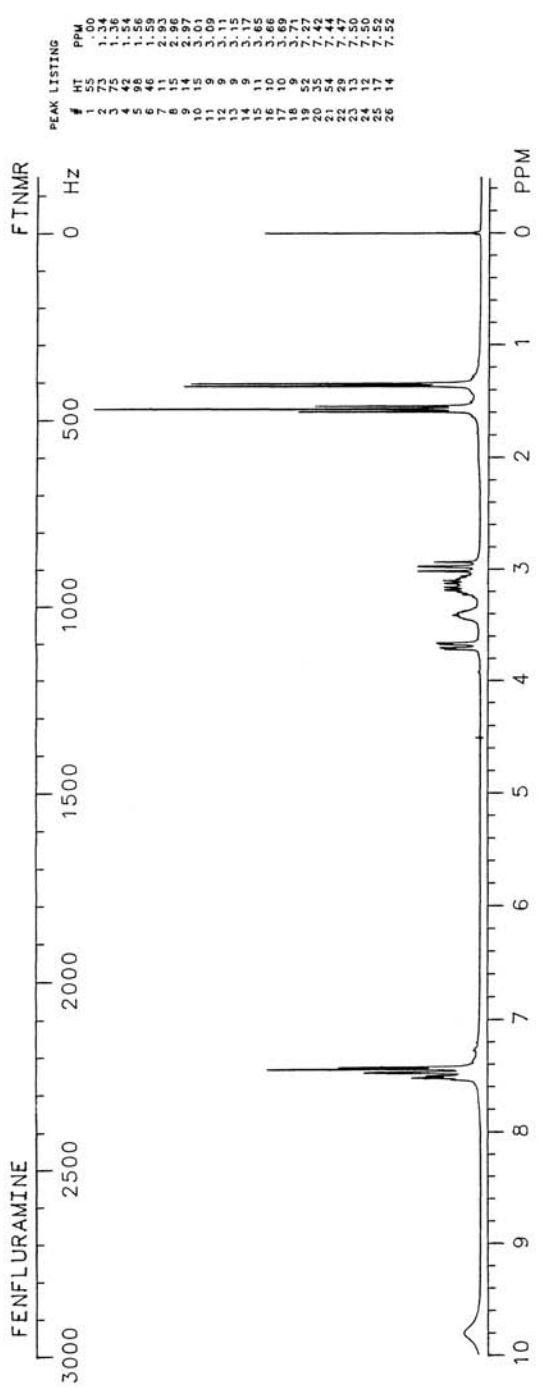
Molecular weight: 231.26 (231.12)
Synonyms: N-Ethyl-α-methyl-3-(trifluoromethyl)benzenethanamine;
N-ethyl-α-methyl-m-(trifluoromethyl)phenethylamine
Trade names: Pondimin

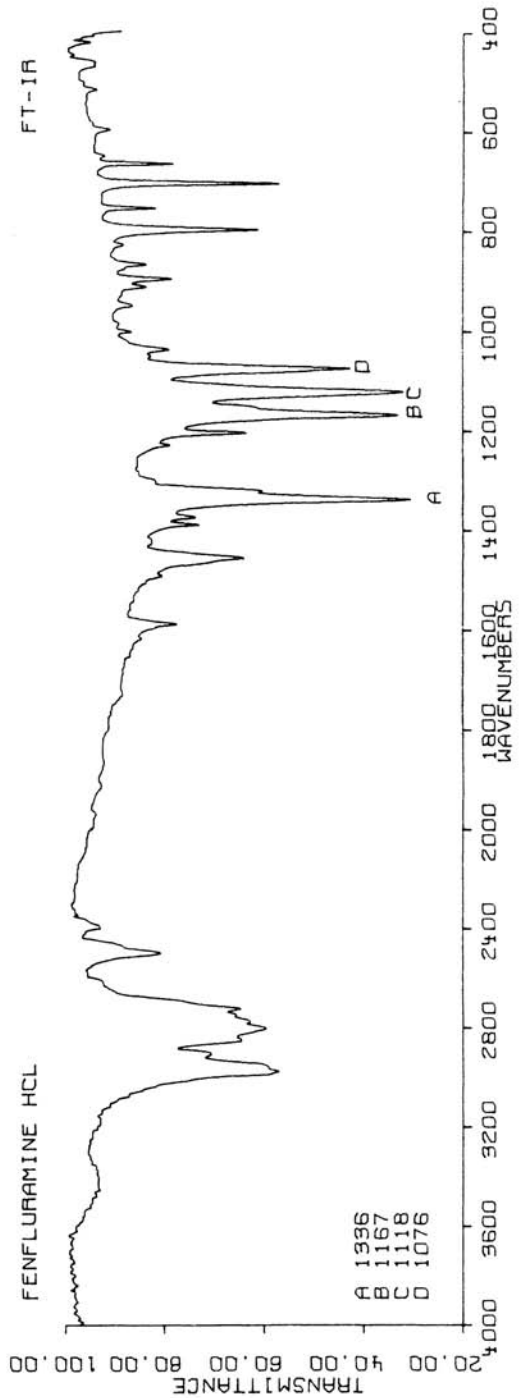
Use: Anorexic
HPLC: Si-10; 2A:98B; 5.0
GC: 1231; 140°C







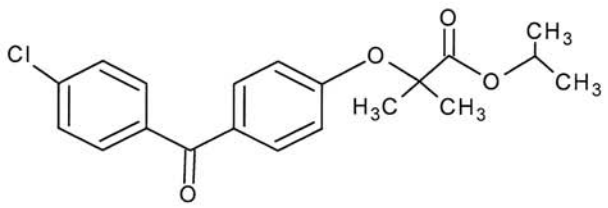

FENFLURAMINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 55 .00
2 73 1.34
3 75 1.36
4 42 1.54
5 98 1.56
6 46 1.59
7 11 2.93
8 15 2.96
9 14 2.97
10 15 3.01
11 9 3.09
12 9 3.11
13 9 3.15
14 9 3.17
15 11 3.65
16 10 3.66
17 10 3.69
18 9 3.71
19 52 7.27
20 35 7.42
21 54 7.44
22 29 7.47
23 13 7.50
24 12 7.50
25 17 7.52
26 14 7.52

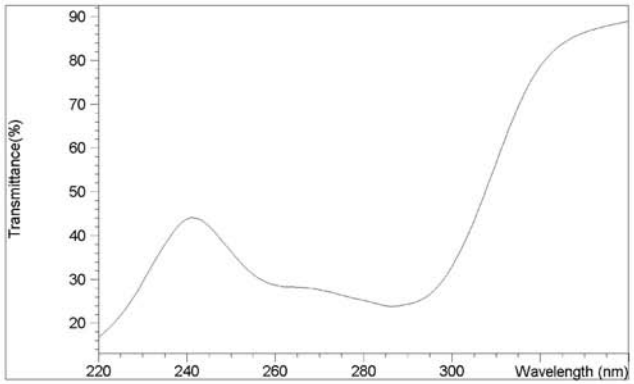

FENFLURAMINE HCL
FT-IR
TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
BC
D
A 1336
B 1167
C 1118
D 1076

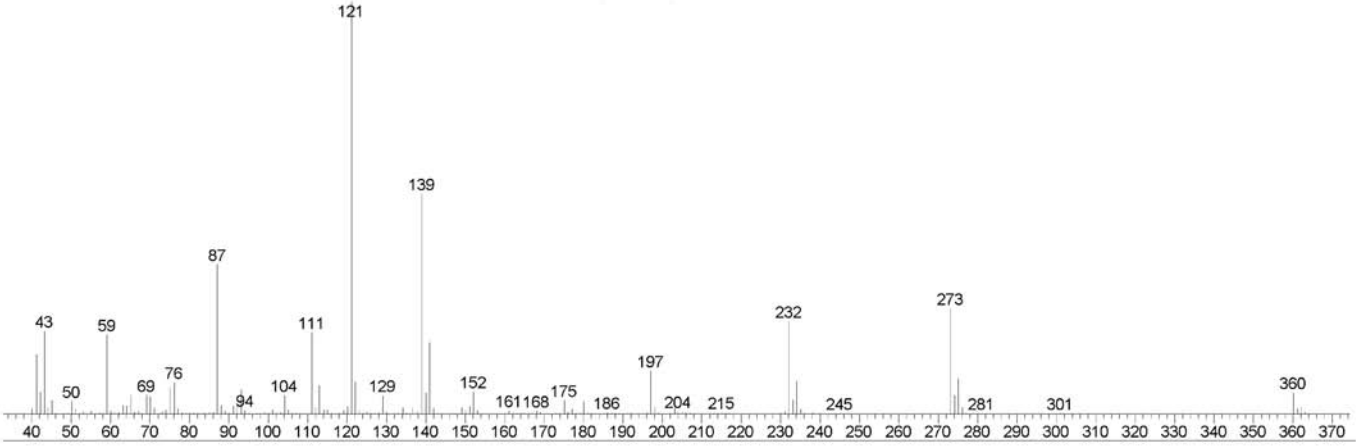
FENOFIBRATE

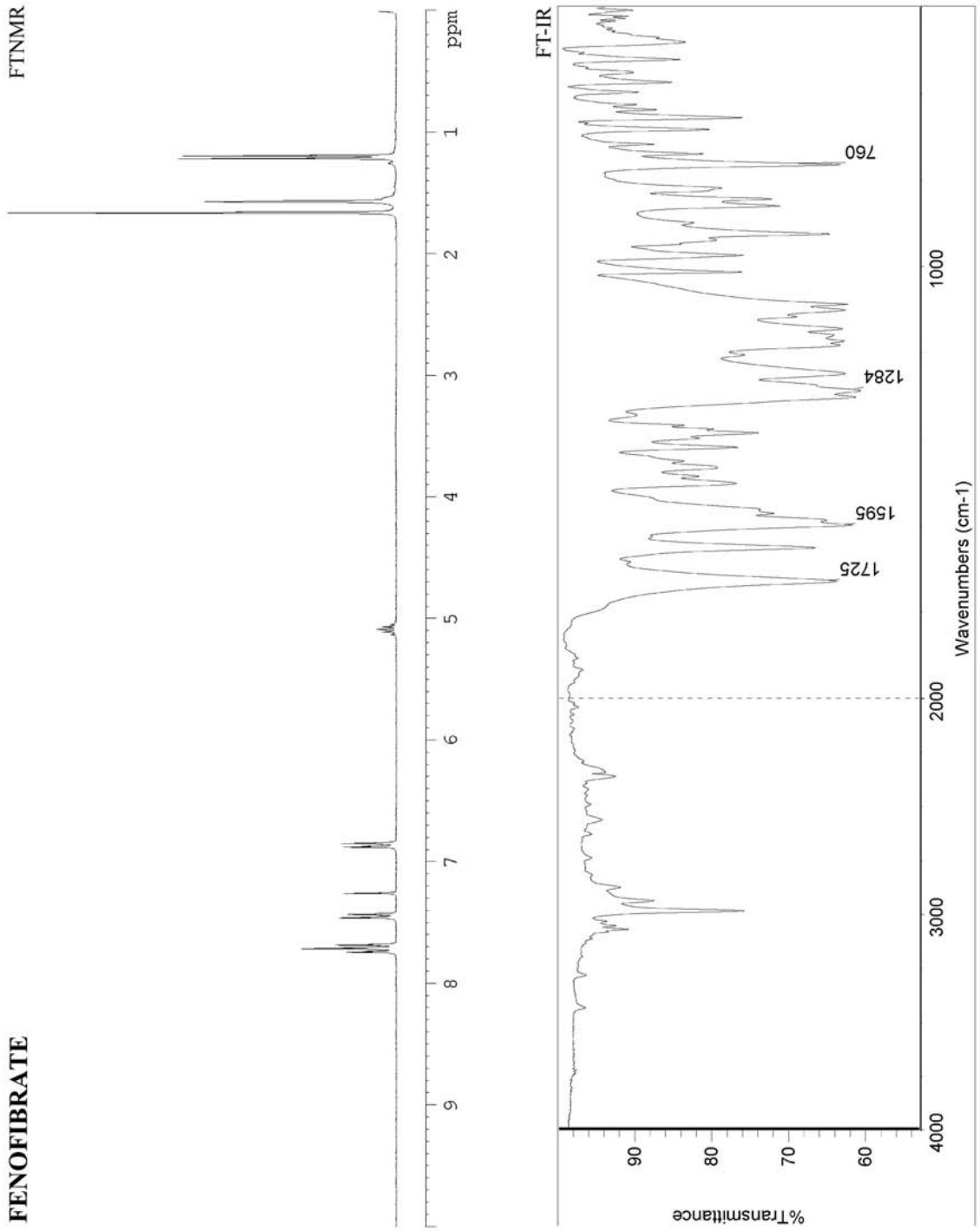
$C_{20}H_{21}ClO_4$

Molecular Weight: 60.83 (360.11)
Synonyms: 2-[4-(4-Chlorobenzoyl)phenoxy]-2-methylpropanoic acid 1-methylethyl ester, procetofen, procetofene
Trade names: Ankebin, LF-178, Elasterin, Fenobrate, Lipanthyl, Liposit, Nolipax, Procetoken, Secalip
Use: Antihyperlipoproteinemic







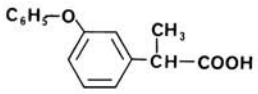

FENOFIBRATE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
760
1284
1595
1725
%Transmittance
90
80
70
60
4000
3000
2000
1000
Wavenumbers (cm-1)

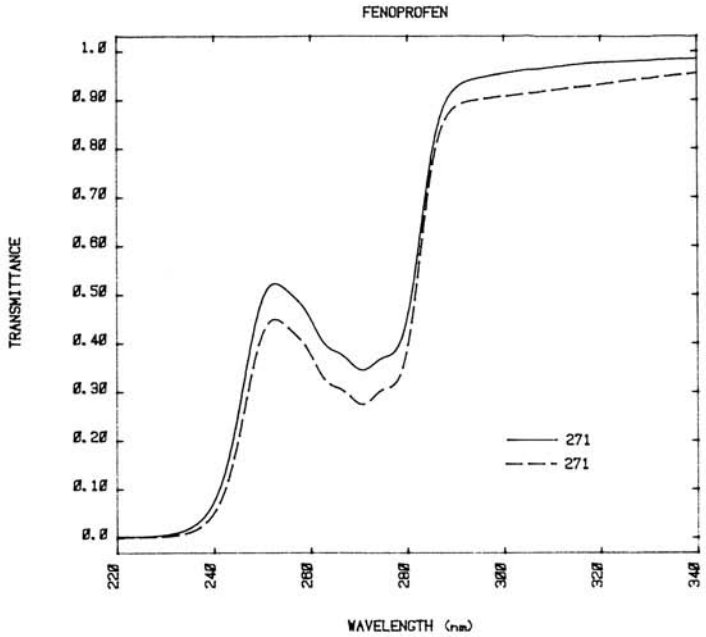
FENOPROFEN

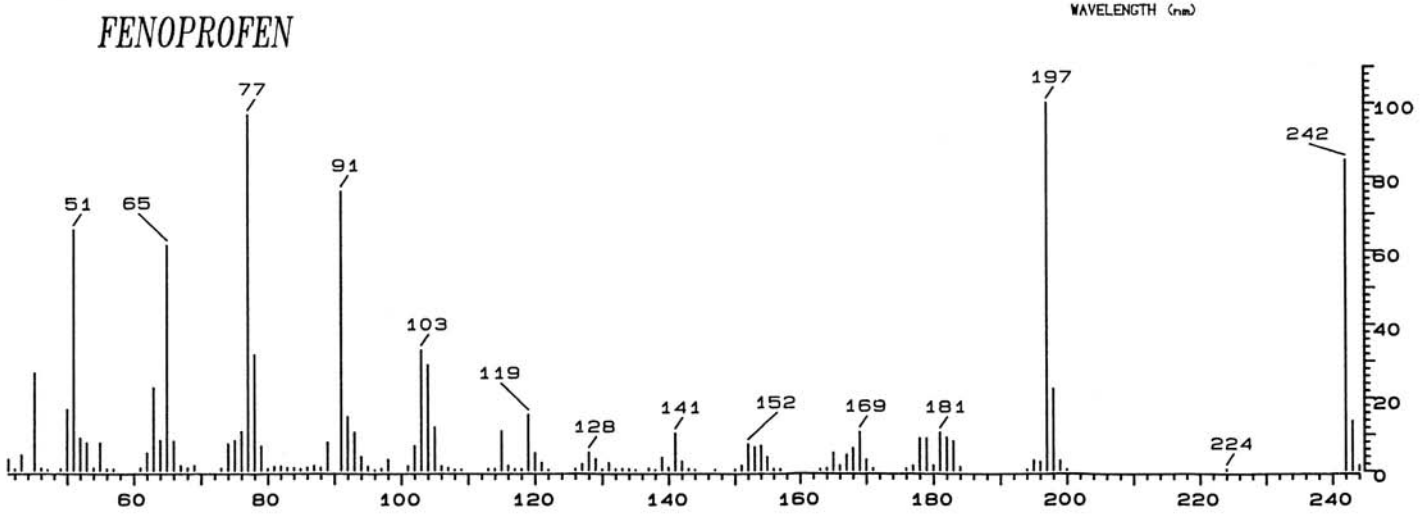
$C_{15}H_{14}O_3$

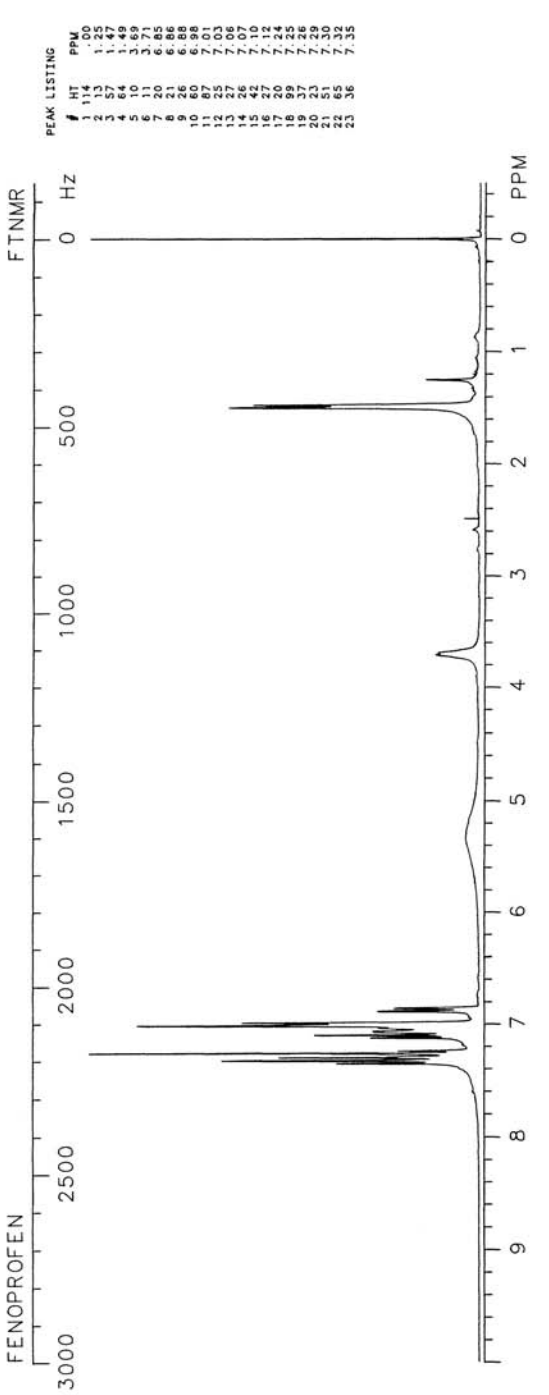
Molecular weight: 242.27 (242.09)
Synonyms: α-Methyl-3-phenoxybenzenacetic acid;α -dl-2-(3-phenoxyphenyl)propionic acid
Trade names: Nalfon

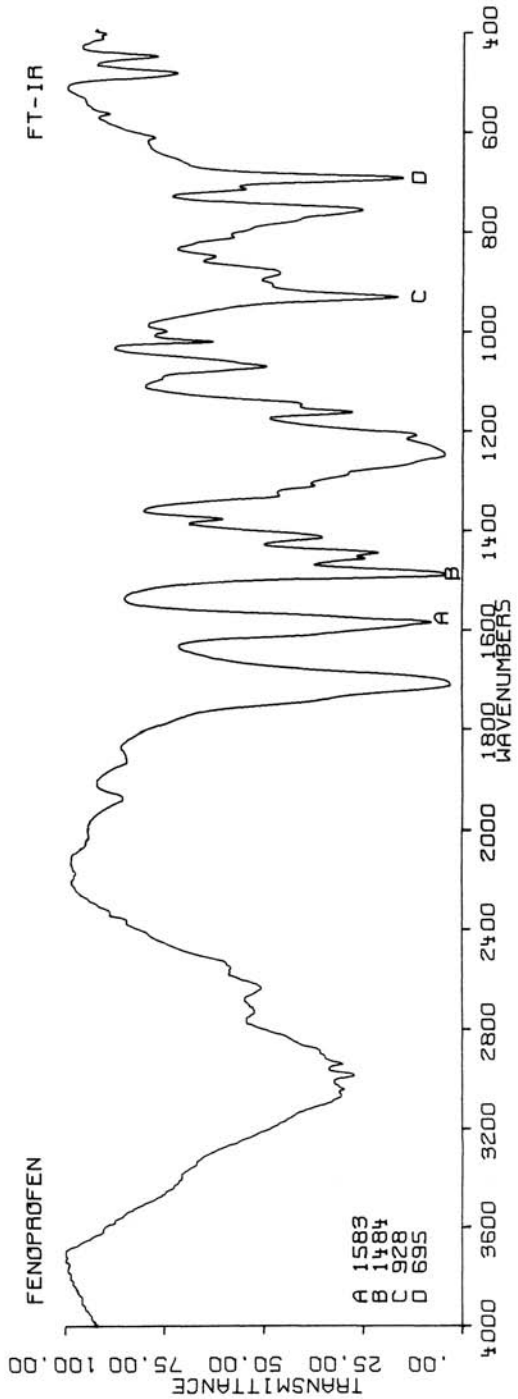
Use: Anti-inflammatory
HPLC: Si-10; 20A:80B; 4.0
GC: 2042; 250°C








FENOPROFEN
FTNMR
PEAK LISTING
HT PPM
1 114 1.00
2 13 1.25
3 57 1.47
4 64 1.49
5 10 1.69
6 11 3.71
7 20 6.85
8 21 6.86
9 26 6.88
10 60 6.98
11 87 7.01
12 25 7.03
13 27 7.06
14 26 7.07
15 42 7.10
16 27 7.12
17 20 7.24
18 39 7.25
19 37 7.26
20 23 7.29
21 51 7.30
22 65 7.32
23 36 7.35
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

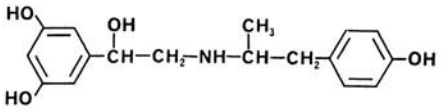

FT-IR
FENOPROFEN
A 1583
B 1484
C 928
D 695
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

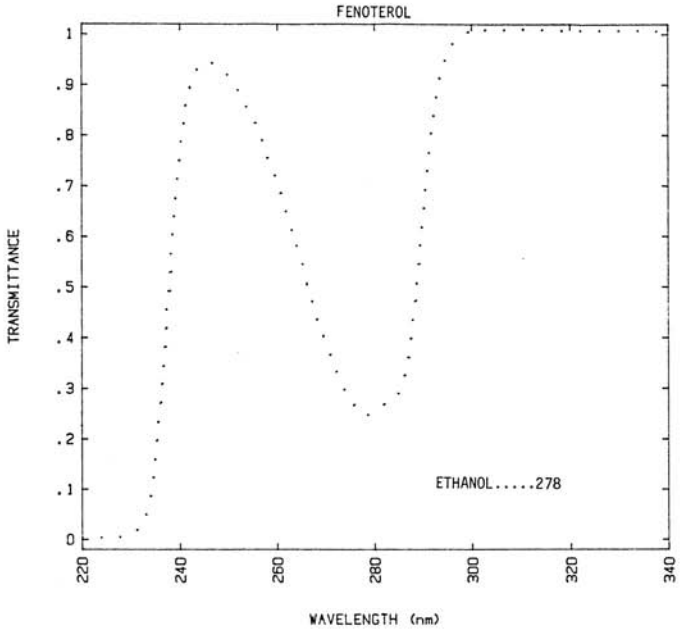
FENOTEROL

$C_{17}H_{21}NO_4$

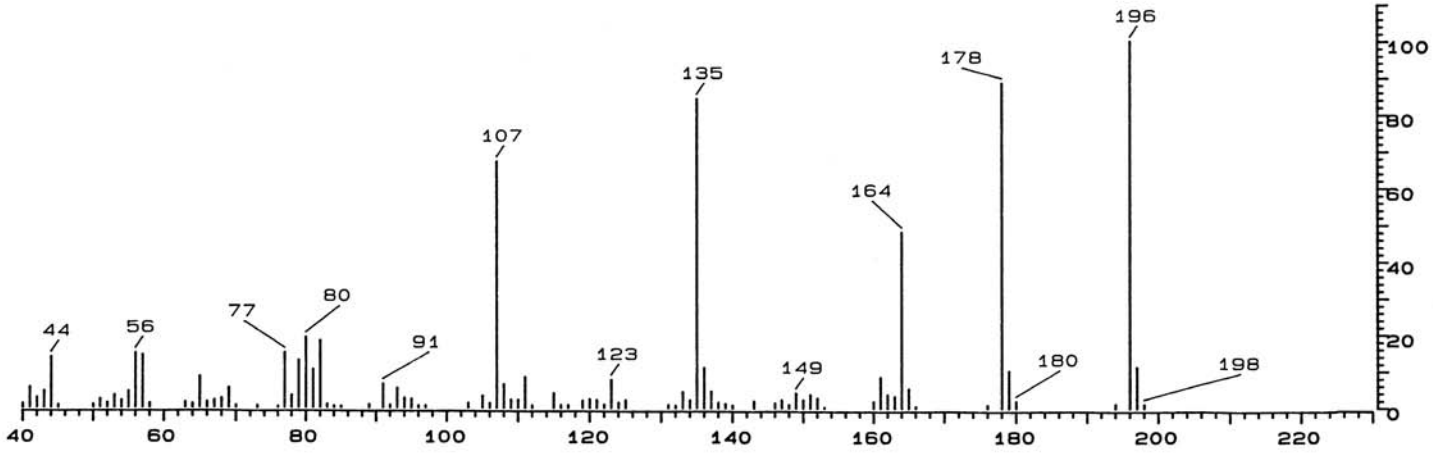
Molecular weight: 303.37 (303.15)
Synonyms: 5-[1-Hydroxy-2-[[2-(4-Hydroxyphenyl)-1-methylethyl] amino]ethyl]-1,3-benzenediol
Trade names: Berotec, Duovent, Partusisten

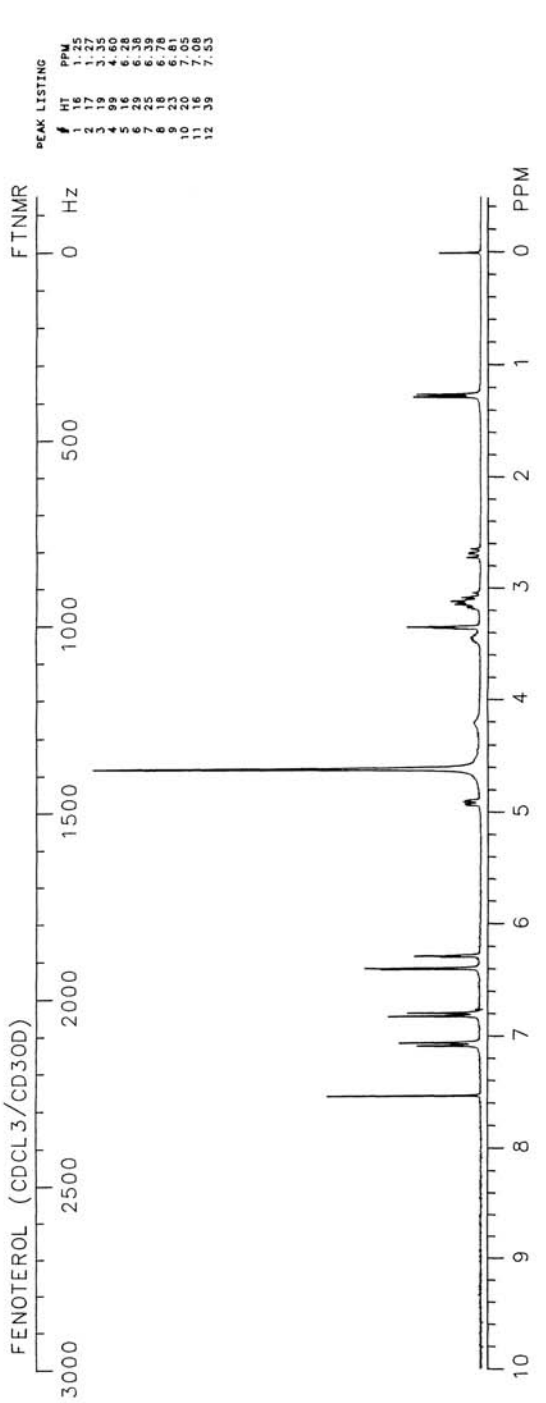
Use: Bronchodilator
HPLC: Si-10; 10A:90B; 9.8
GC:

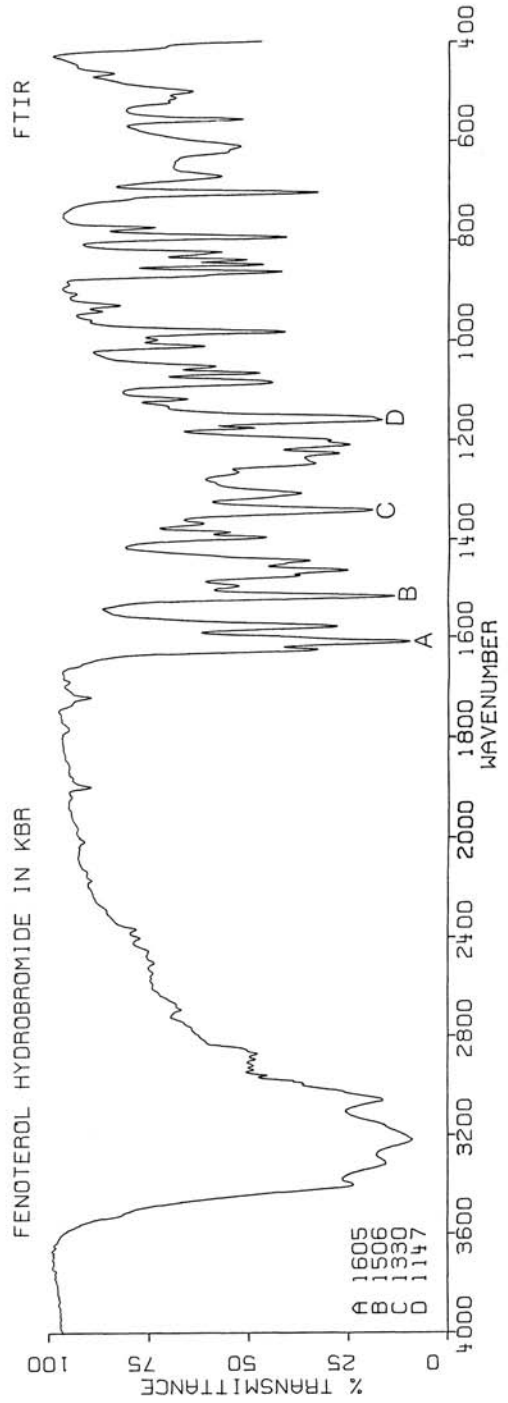




FENOTEROL -- DIP




FENOTEROL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 16 1.25
2 11 1.27
3 19 3.35
4 99 4.60
5 16 6.28
6 29 6.38
7 25 6.39
8 18 6.78
9 21 6.81
10 20 7.05
11 16 7.08
12 39 7.53
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

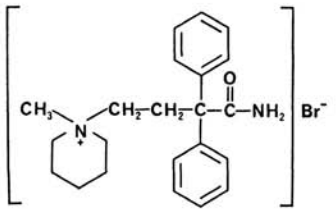

FENOTEROL HYDROBROMIDE IN KBR
FTIR
A 1605
B 1506
C 1330
D 1147
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

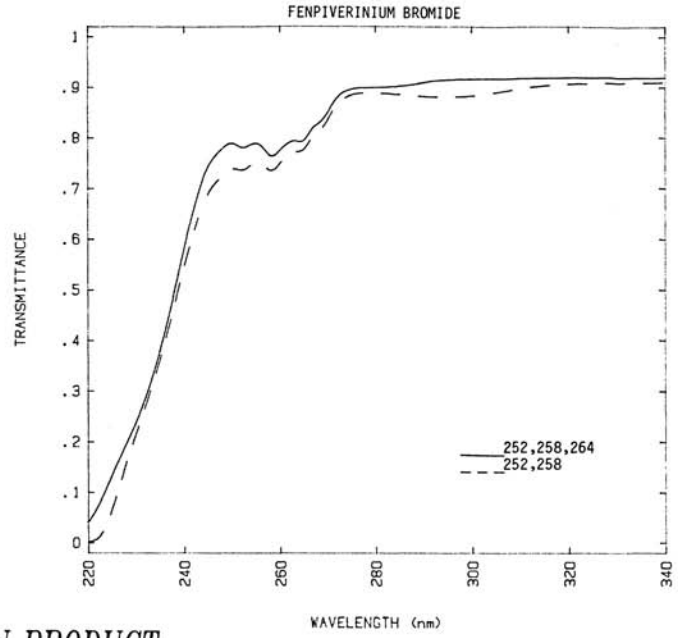
FENPIVERINIUM BROMIDE

$C_{22}H_{29}BrN_2O$

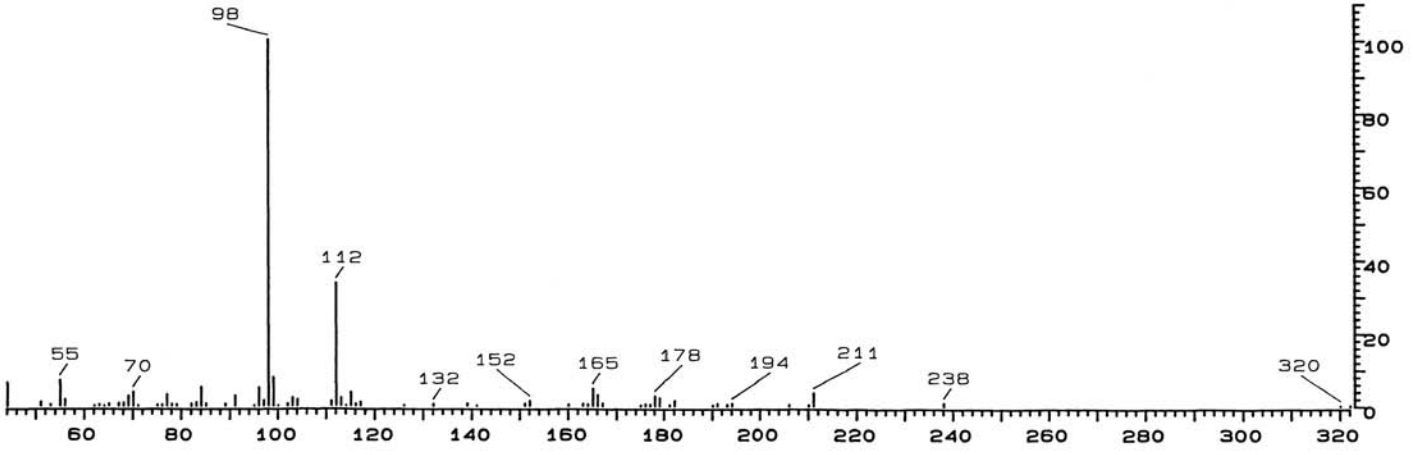
Molecular weight: 417.41 (416.15)
Synonyms: 1-(4-Amino-4-oxo-3,3-diphenylbutyl)-1-methylpiperidinium bromide; fenpipramide methobromide
Trade names: Resantin

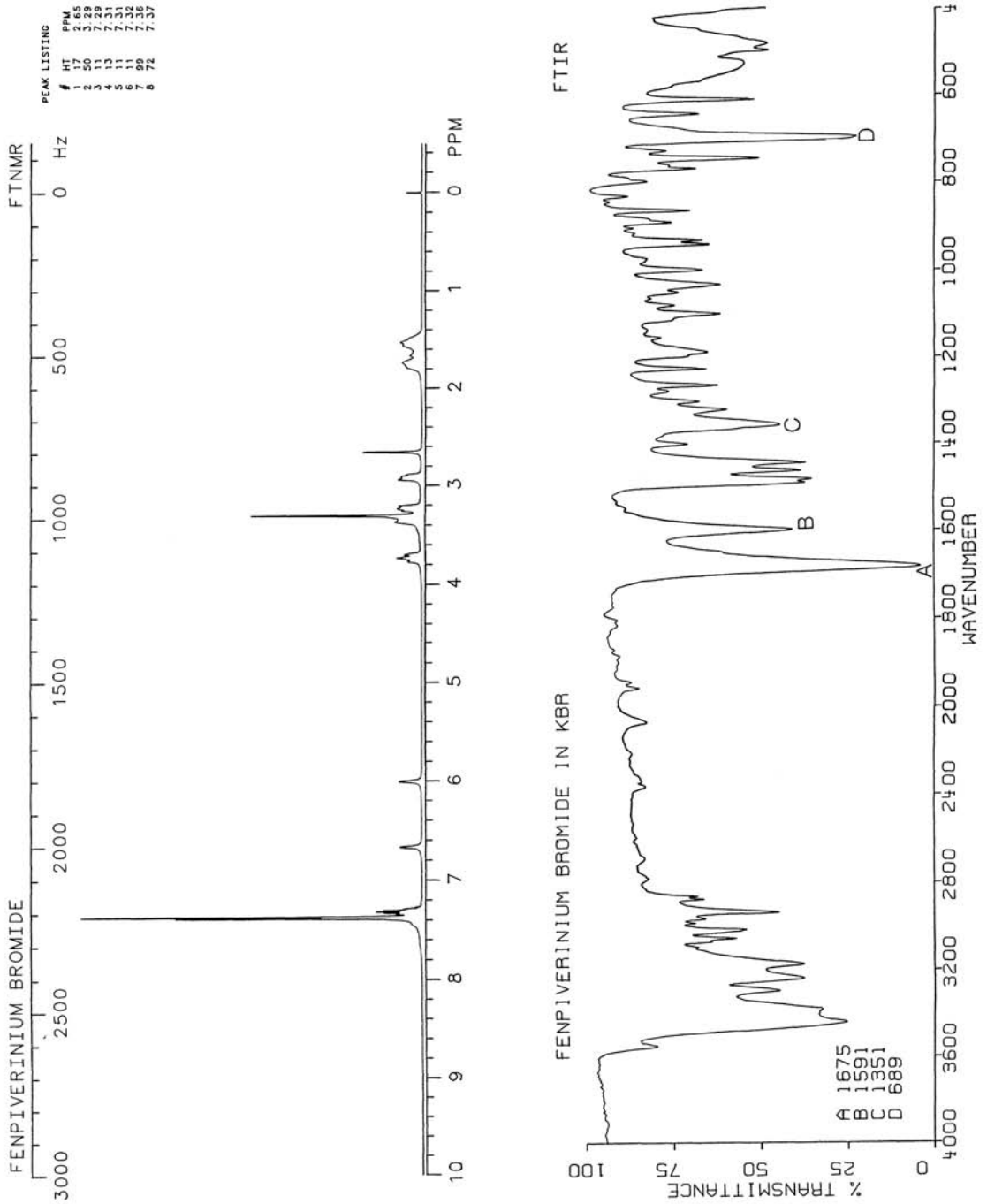
Use: Antispasmodic
HPLC: Si-10; 10A:90B; 4.3
GC:





FENPIVERINIUM BROMIDE--DECOMPOSITION PRODUCT




FENPIVERINIUM BROMIDE
FTNMR
PEAK LISTING
HT PPM
1 17 2.65
2 50 3.29
3 11 7.29
4 13 7.31
5 11 7.32
6 11 7.36
7 99 7.37
8 72
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FENPIVERINIUM BROMIDE IN KBR
FTIR
A 1675
B 1591
C 1351
D 689
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

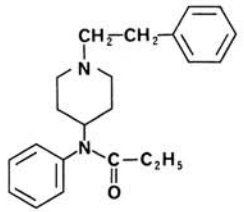
FENTANYL

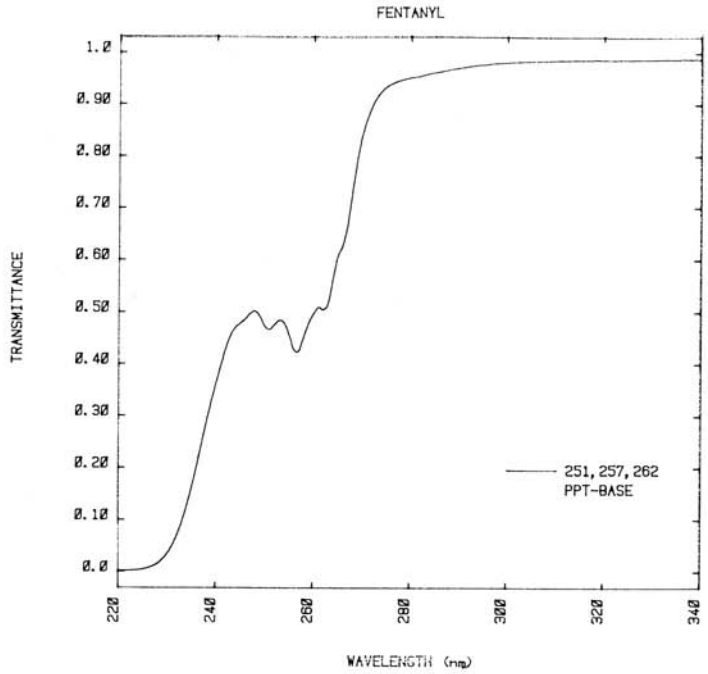
$C_{22}H_{28}N_2O$

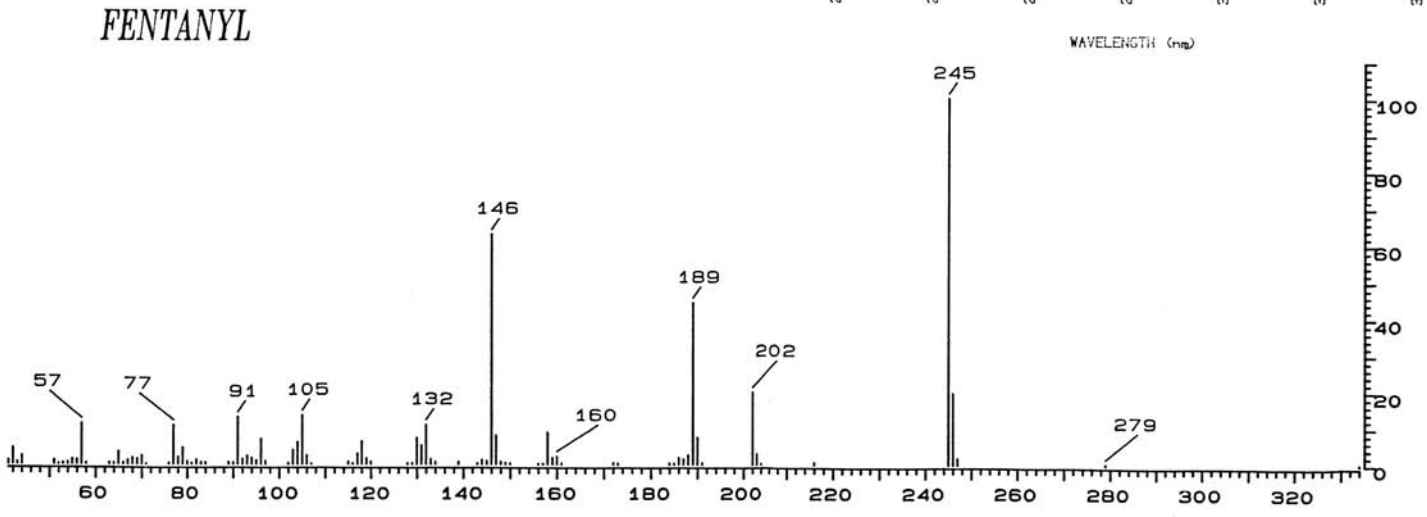
Molecular weight: 336.48 (336.22)
Synonyms: N-Phenyl-N-[1-(2-phenylethyl)-4-piperidinyl]propanamide

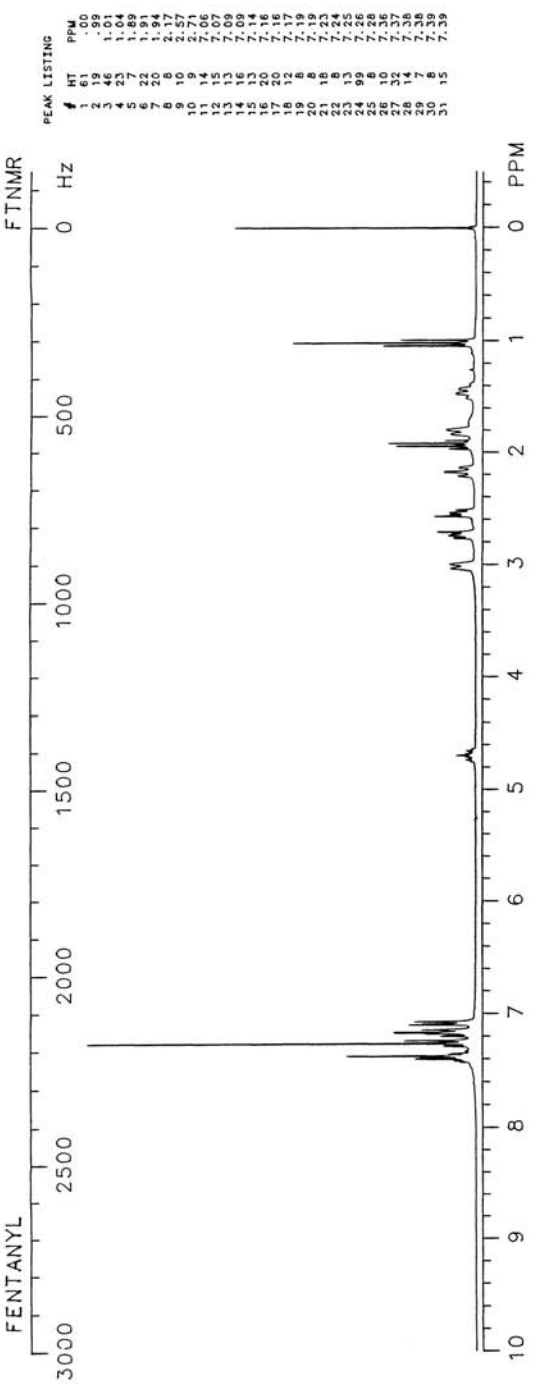
Trade names: Innovar, Leptanal, Sublimaze

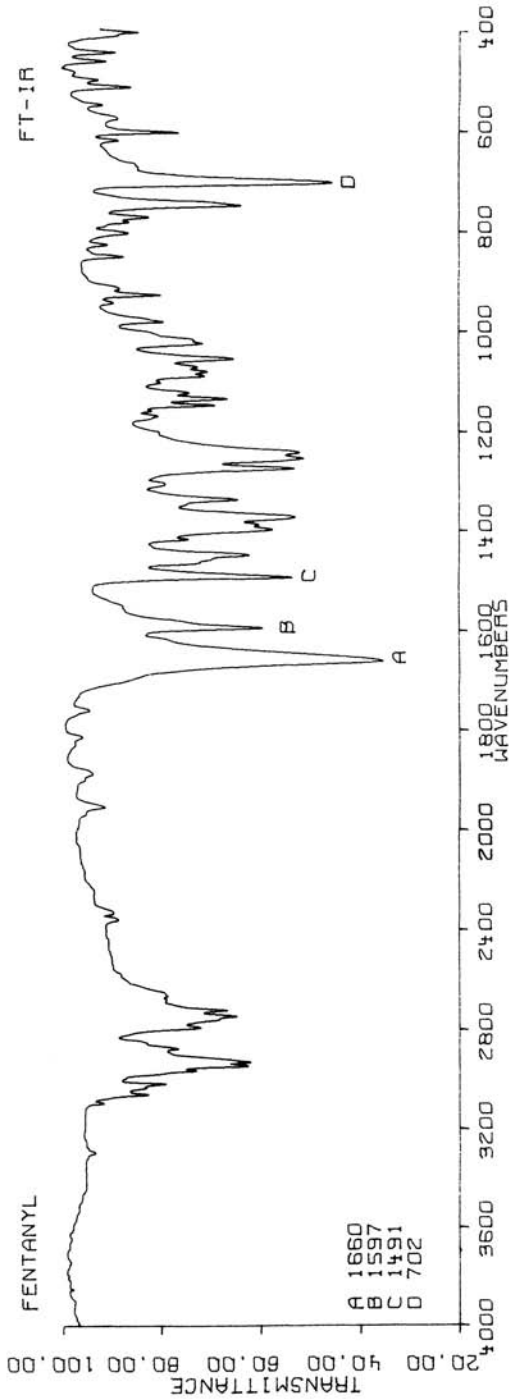
Use: Narcotic analgesic
HPLC: Si-10; 2A:98B; 4.8
GC: 2734; 250°C








FENTANYL
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 .00
2 19 .89
3 46 1.01
4 23 1.04
5 7 1.89
6 22 1.91
7 20 1.94
8 8 2.17
9 10 2.57
10 9 7.01
11 14 7.06
12 15 7.07
13 13 7.09
14 16 7.09
15 13 7.14
16 20 7.16
17 12 7.16
18 12 7.17
19 8 7.19
20 8 7.23
21 18 7.24
22 11 7.25
23 93 7.26
24 8 7.28
25 8 7.36
26 10 7.37
27 32 7.38
28 14 7.38
29 7 7.39
30 8 7.39
31 15 7.39


FENTANYL
FT-IR
A 1660
B 1597
C 1491
D 702
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

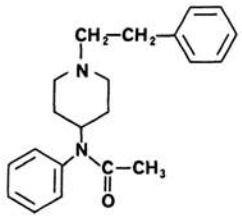
FENTANYL ACETYL ANALOG

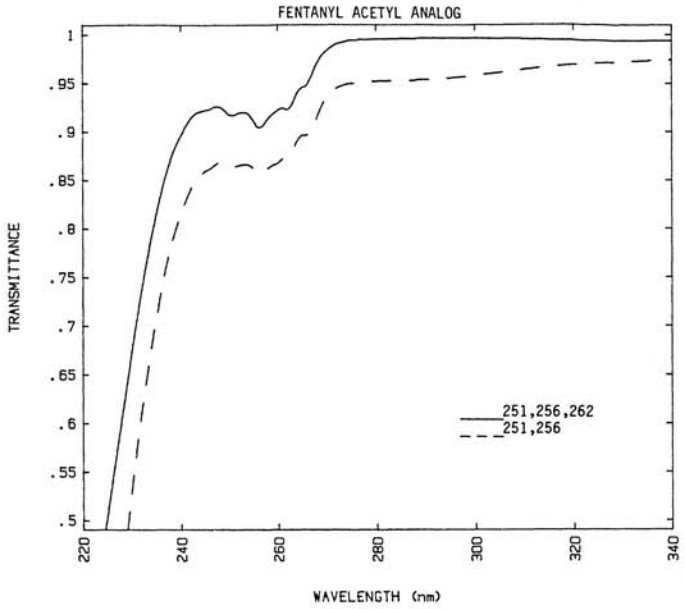
$C_{21}H_{26}N_2O$

Molecular weight: 322.45 (322.21)
Synonyms: N-Phenyl-N[1-(2-phenylethyl)-4-piperidinyl]acetamide

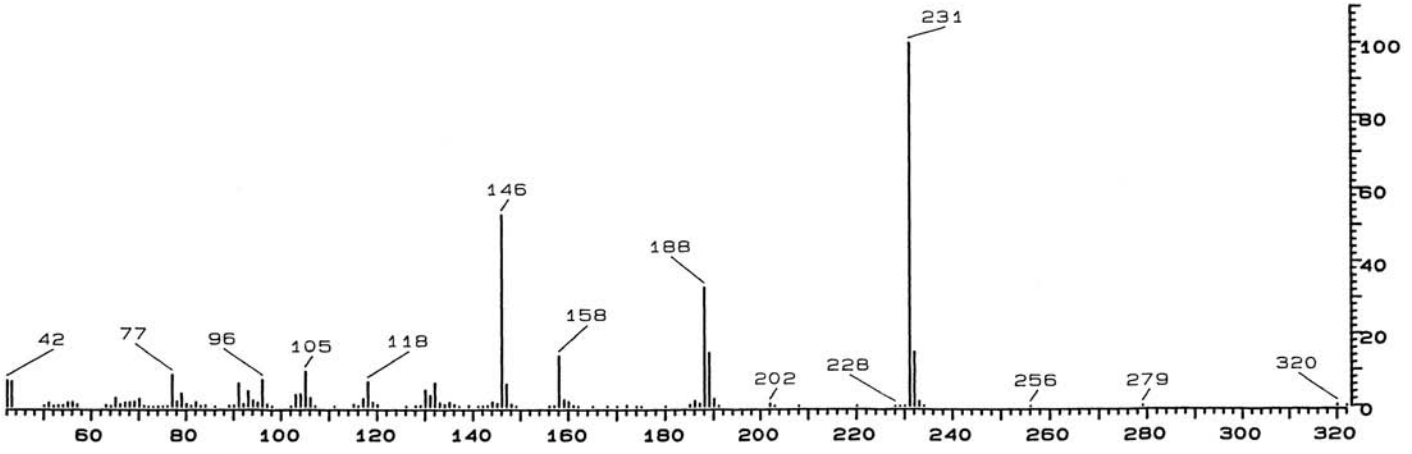
Trade names:

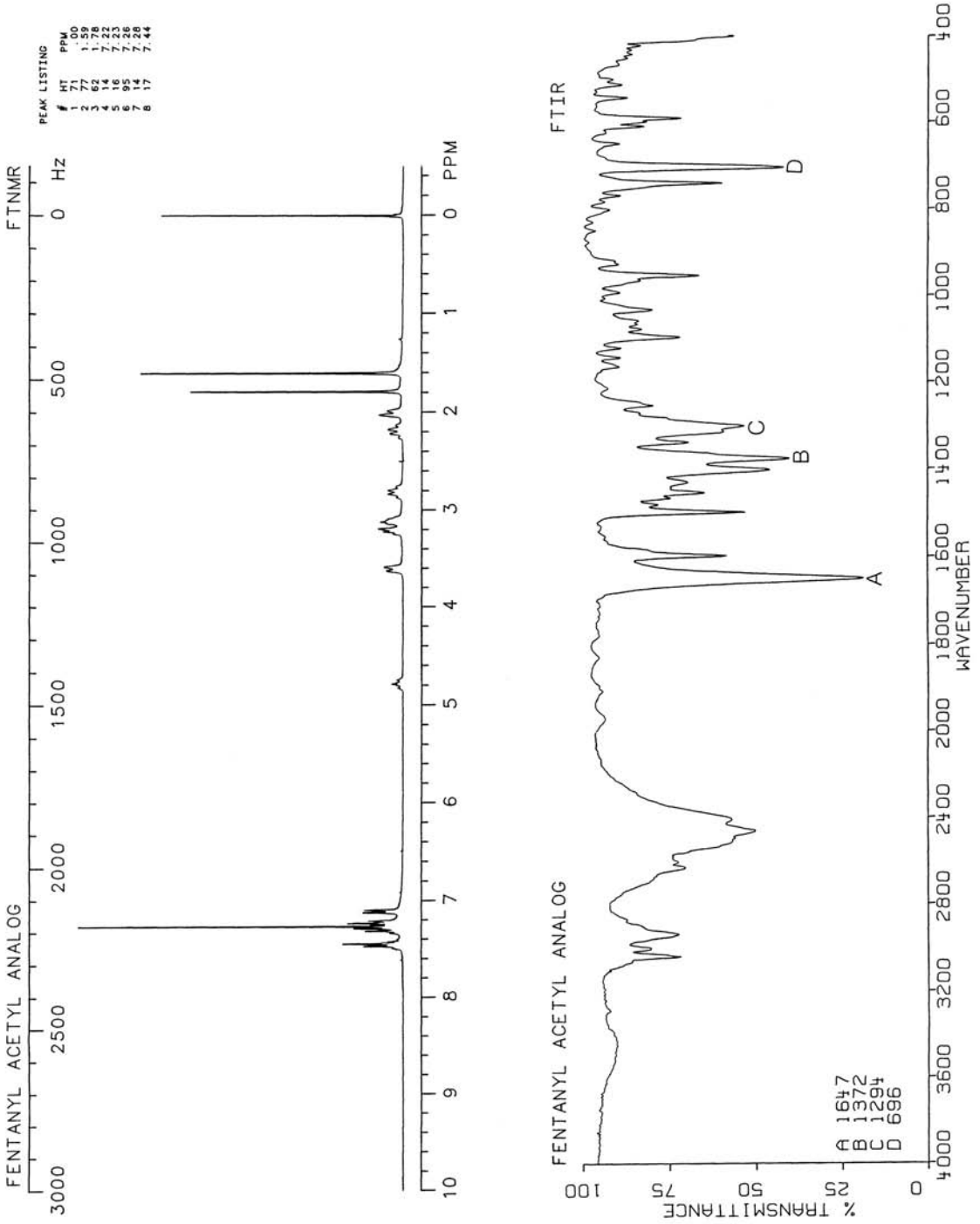
Use:
HPLC: Si-10; 2A:98B; 3.7
GC: 2693; 280°C





FENTANYL ACETYL ANALOG




FENTANYL ACETYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 71 1.00
2 77 1.59
3 62 1.78
4 14 7.22
5 16 7.23
6 95 7.26
7 14 7.28
8 17 7.44
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FENTANYL ACETYL ANALOG
FTIR
A 1647
B 1372
C 1294
D 696
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

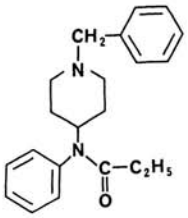
FENTANYL METHYL ANALOG

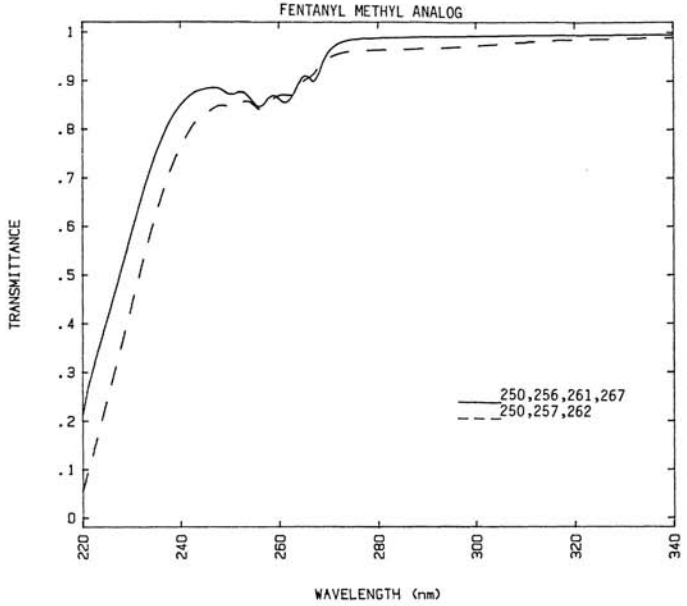
$C_{21}H_{26}N_2O$

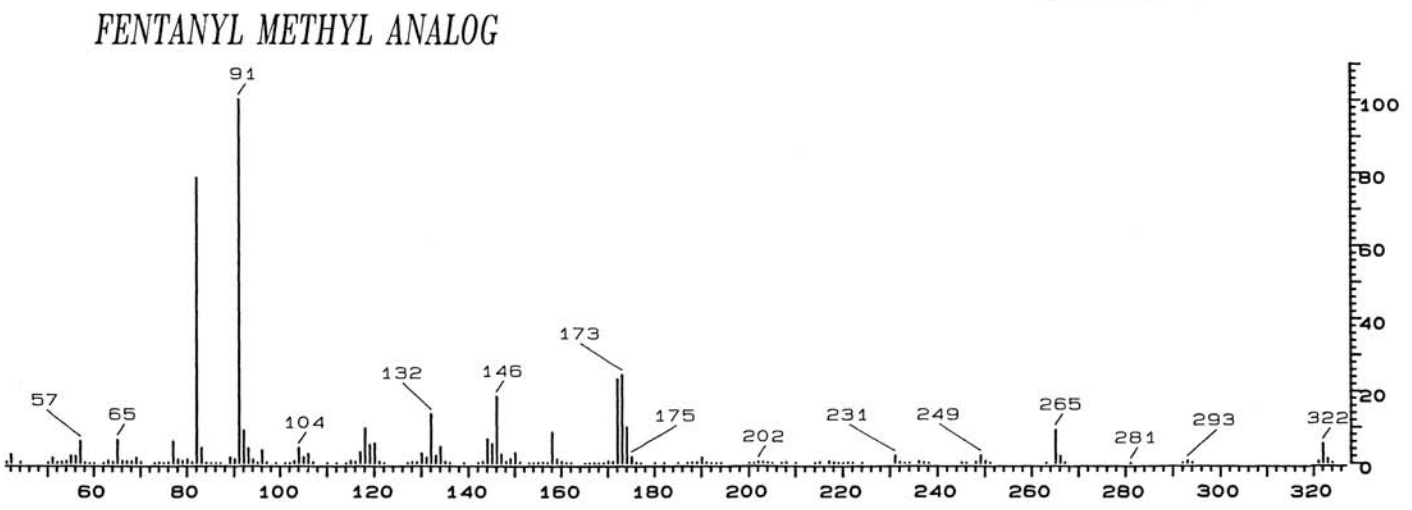
Molecular weight: 322.45 (322.21)
Synonyms: N-Penyl-N-[(1-phenylmethyl)-4-piperidinyl]propanamide

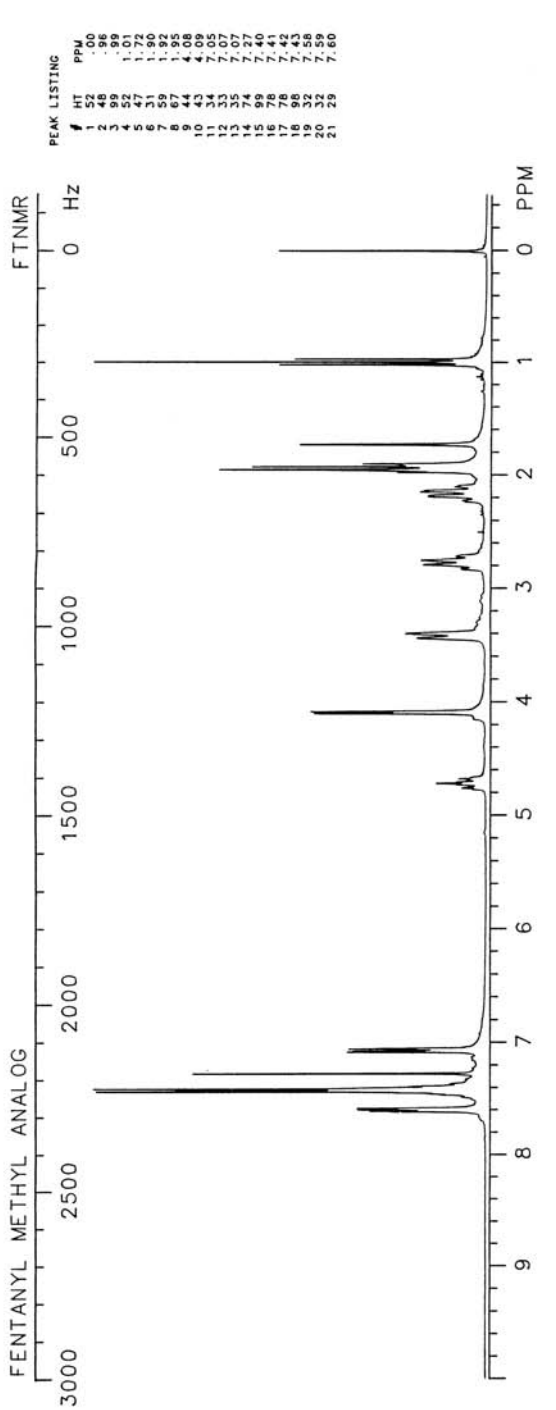
Trade names:

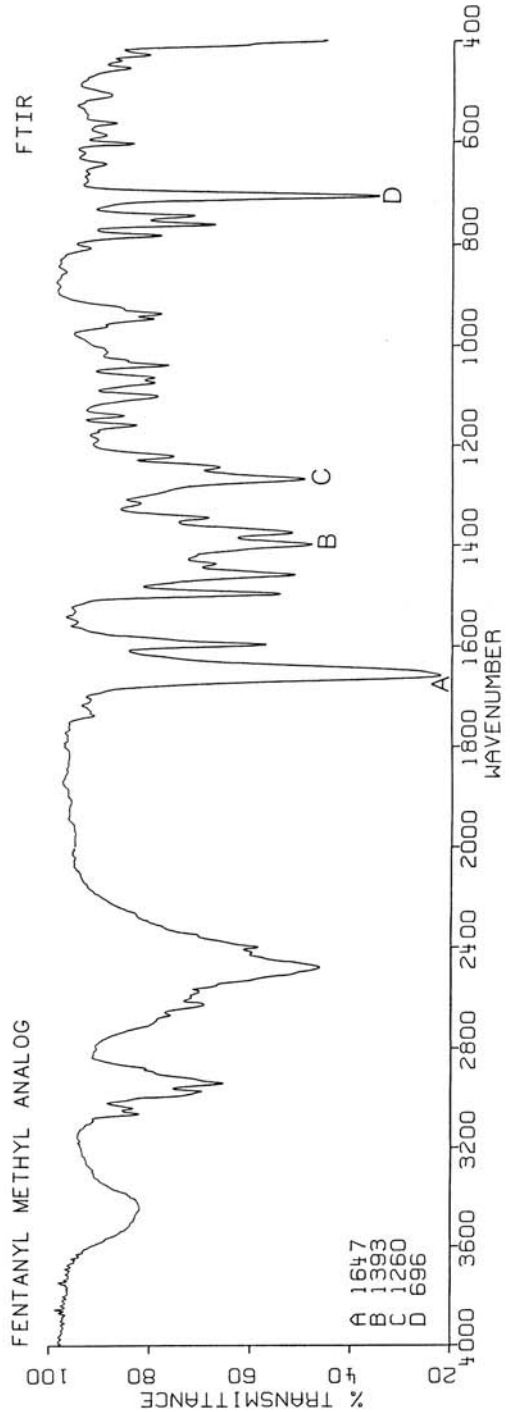
Use:
HPLC: Si-10; 2A:98B; 4.2
GC: 2632; 280°C








FENTANYL METHYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 52 .00
2 48 .98
3 59 1.89
4 52 1.91
5 47 1.72
6 31 1.90
7 59 1.92
8 67 1.95
9 44 4.08
10 43 4.09
11 34 7.05
12 33 7.07
13 35 7.07
14 74 7.27
15 99 7.40
16 78 7.41
17 98 7.42
18 92 7.58
19 32 7.59
20 32 7.59
21 29 7.60
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


FENTANYL METHYL ANALOG
FTIR
A 1647
B 1393
C 1260
D 696
A
B
C
D
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

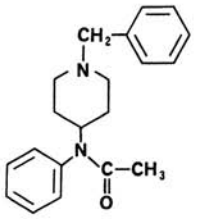
FENTANYL METHYL ACETYL ANALOG

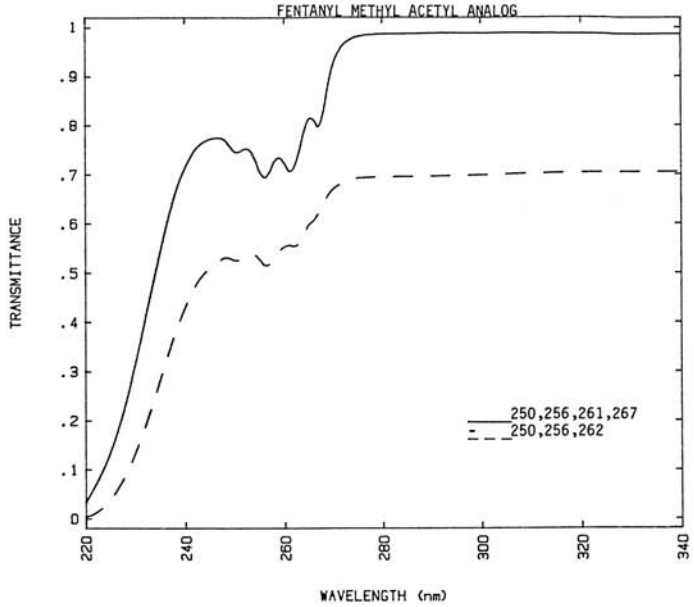
$C_{20}H_{24}N_2O$

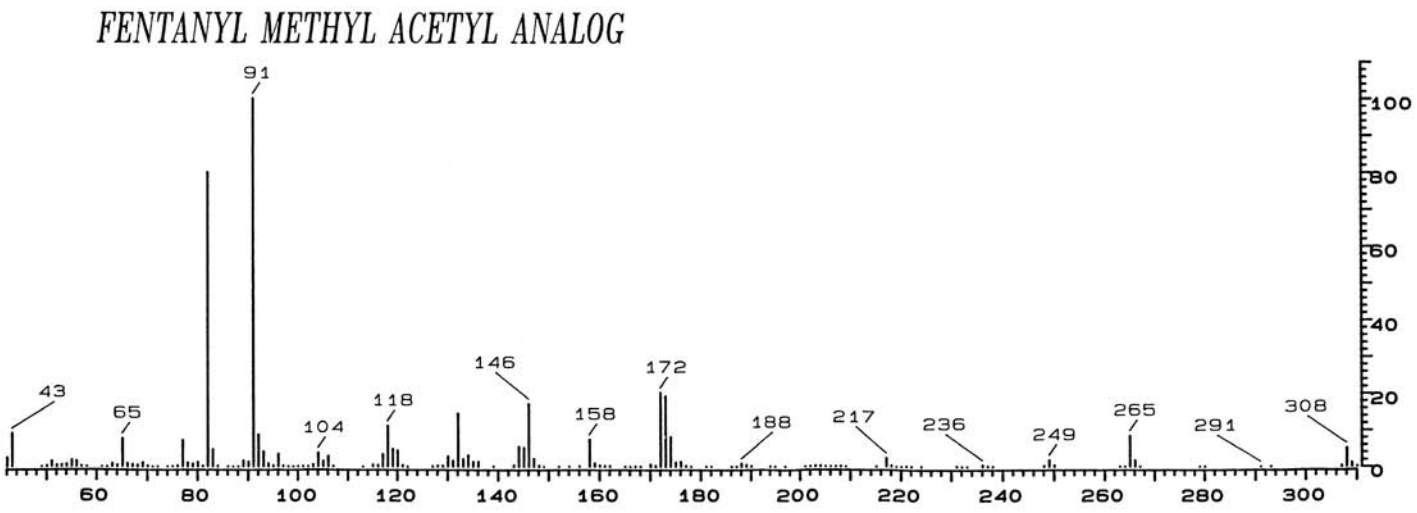
Molecular weight: 308.42 (308.19)
Synonyms: N-Phenyl-N-[(1-phenylmethyl)-4-piperidinyl]acetamide

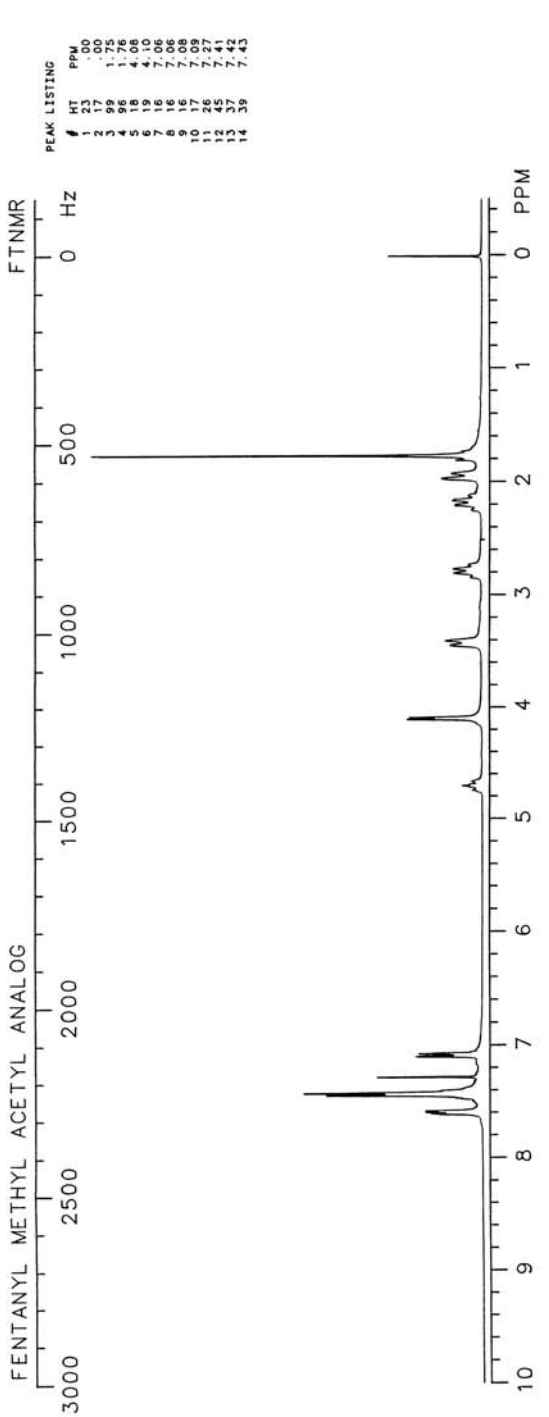
Trade names:

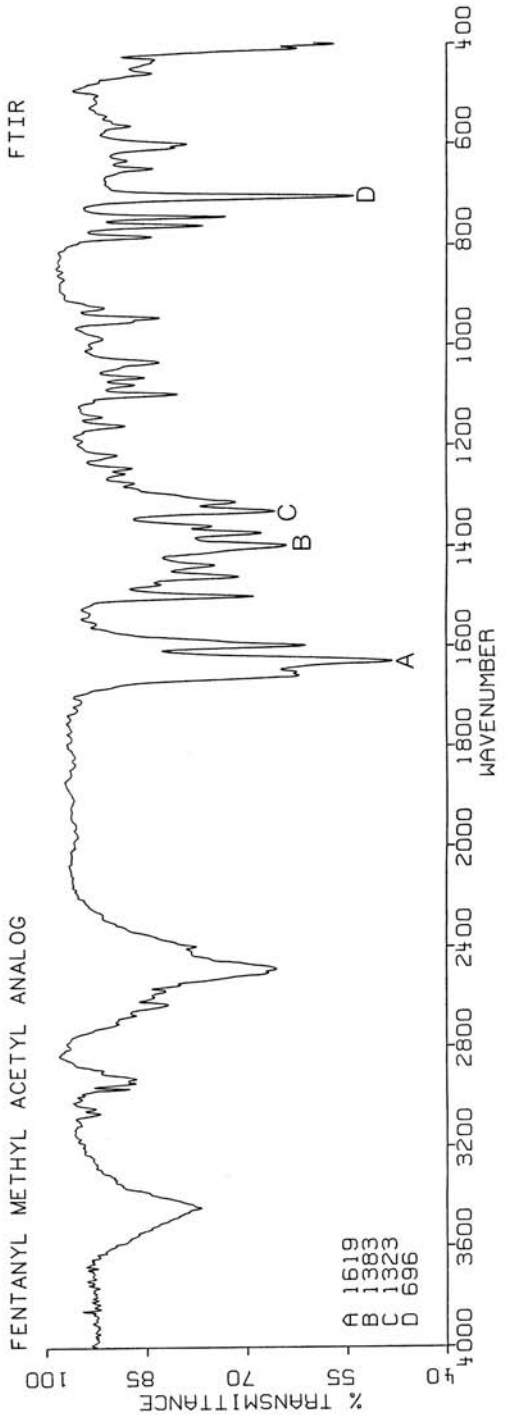
Use:
HPLC: Si-10; 2A:98B; 4.7
GC:








FTNMR
FENTANYL METHYL ACETYL ANALOG
PEAK LISTING
HT PPM
1 23 .00
2 17 .00
3 99 1.75
4 96 1.76
5 18 4.08
6 19 4.10
7 16 7.06
8 16 7.06
9 16 7.08
10 17 7.09
11 26 7.27
12 45 7.41
13 37 7.42
14 39 7.43
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

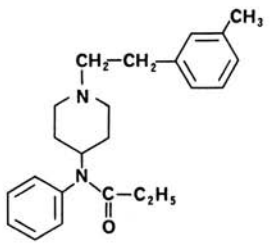

FTIR
FENTANYL METHYL ACETYL ANALOG
A 1619
B 1383
C 1323
D 696
A
B C
D
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

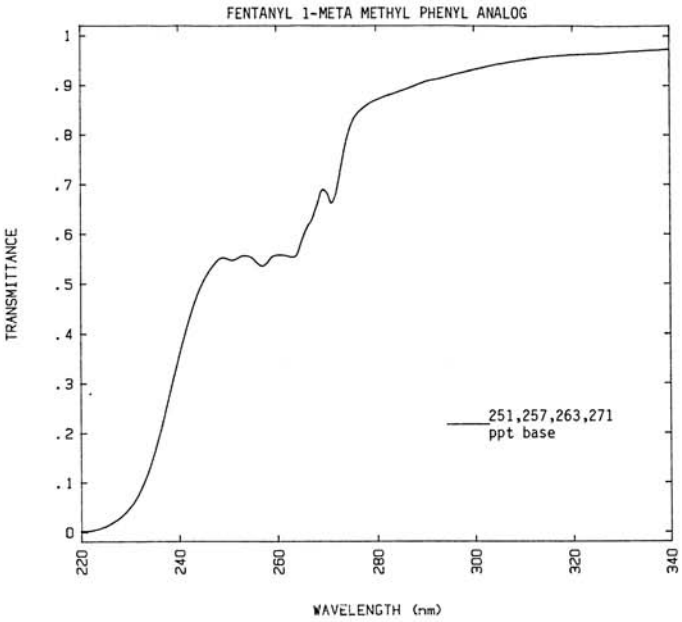
FENTANYL 1-META METHYLPHENYL ANALOG

$C_{23}H_{30}N_2O$

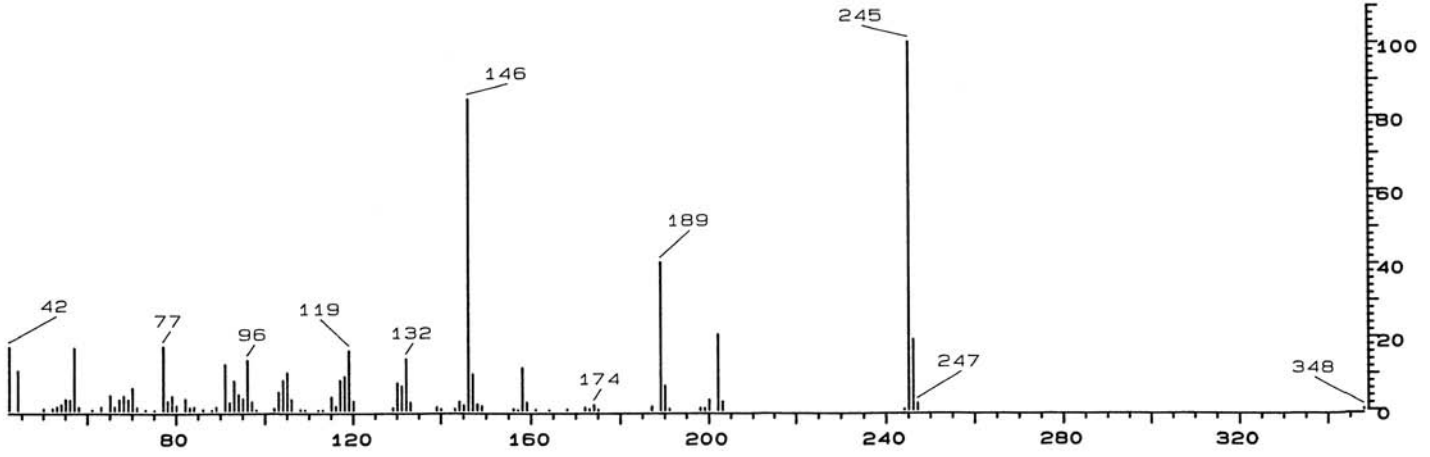
Molecular weight: 350.50 (350.24)
Synonyms: N-Phenyl-N-[1-(2-(3-methylphenyl)ethyl)-4-piperidinyl]-
propanamide
Trade names:

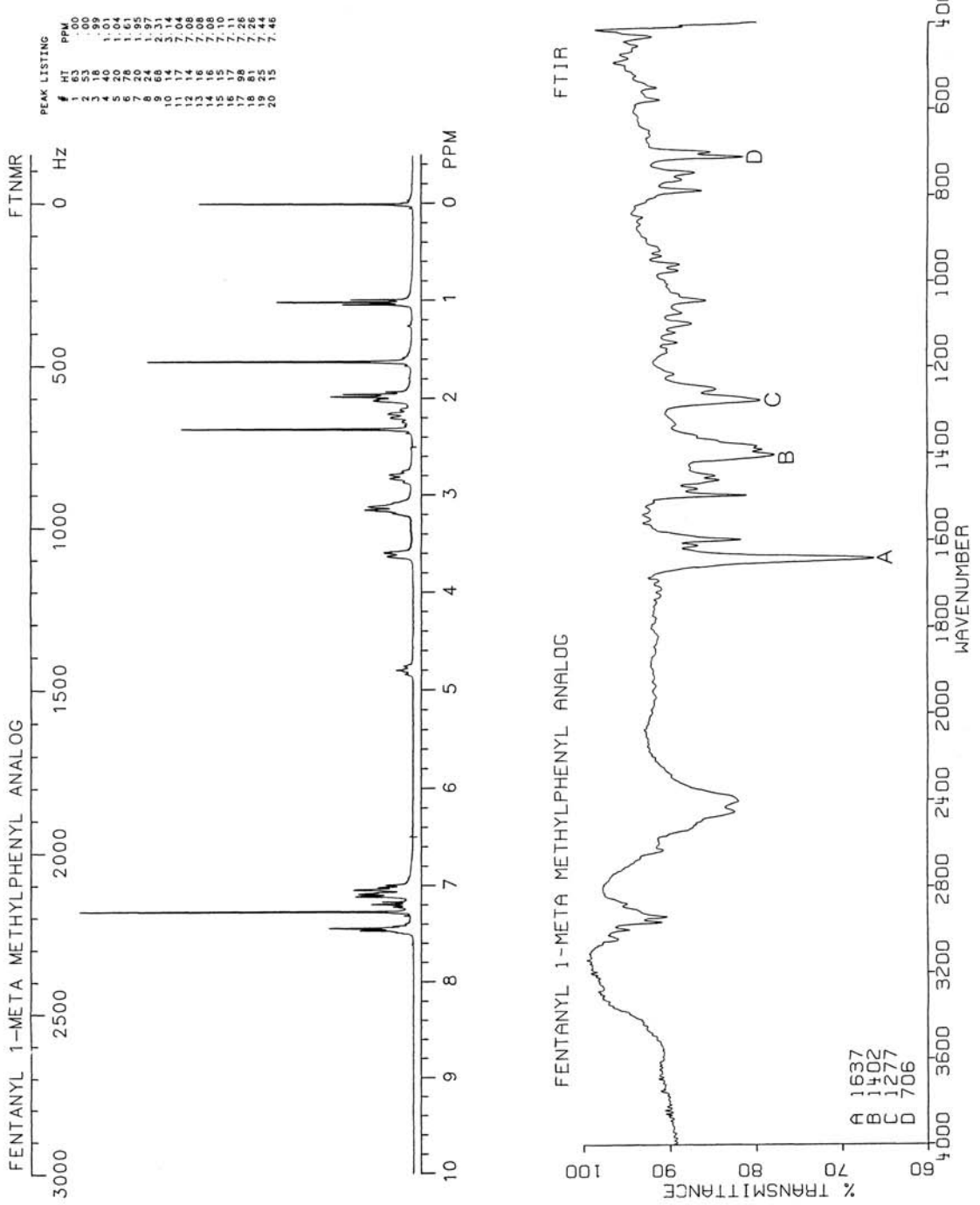
Use:
HPLC: Si-10; 2A:98B; 4.0
GC: 2848; 280°C





FENTANYL 1-META METHYLPHENYL ANALOG



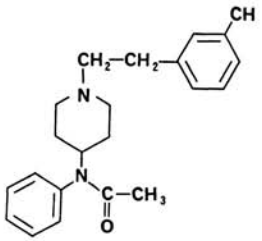

FENTANYL 1-META METHYLPHENYL ANALOG
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 63 8.00
2 53 7.99
3 18 7.99
4 40 1.01
5 20 1.04
6 20 1.61
7 20 1.95
8 24 1.97
9 68 2.31
10 14 7.04
11 17 7.04
12 14 7.08
13 16 7.08
14 16 7.08
15 15 7.10
16 17 7.11
17 98 7.26
18 81 7.44
19 25 7.44
20 15 7.46
FENTANYL 1-META METHYLPHENYL ANALOG
FTIR
A 1637
B 1402
C 1277
D 706
A
B
C
D
100 90 80 70 60
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

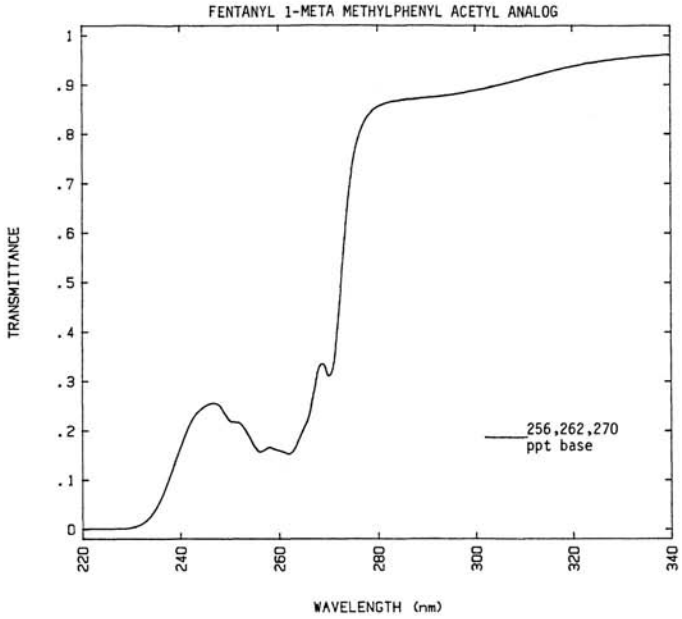
FENTANYL 1-META METHYLPHENYL ACETYL ANALOG

$C_{22}H_{28}N_2O$

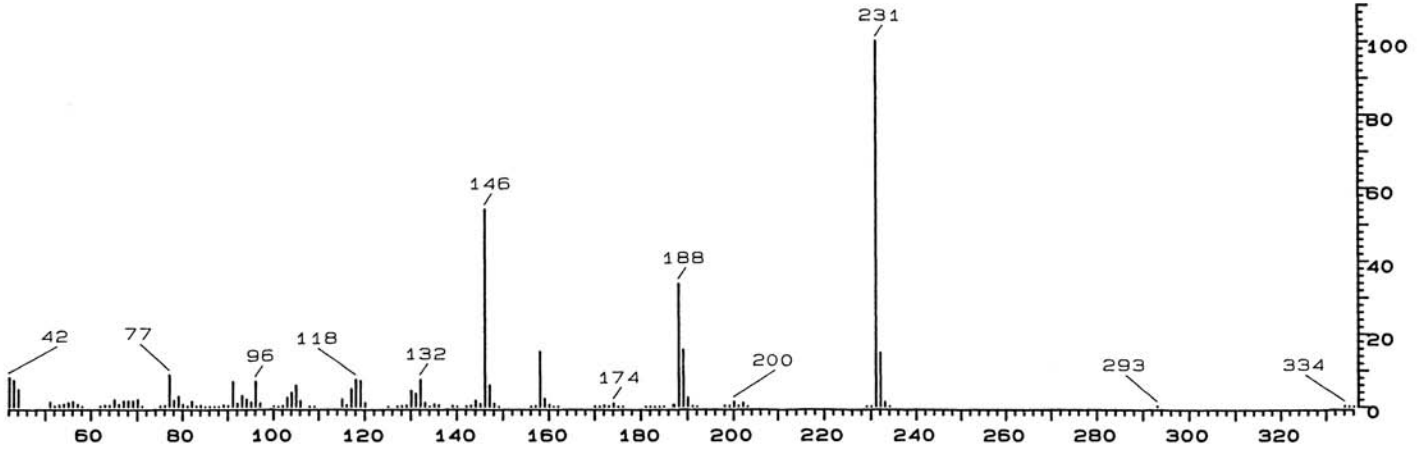
Molecular weight: 336.47 (336.22)
Synonyms: N-Phenyl-N-[1-(2-(3-methylphenyl)ethyl)-4-piperidinyl]-acetamide
Trade names:

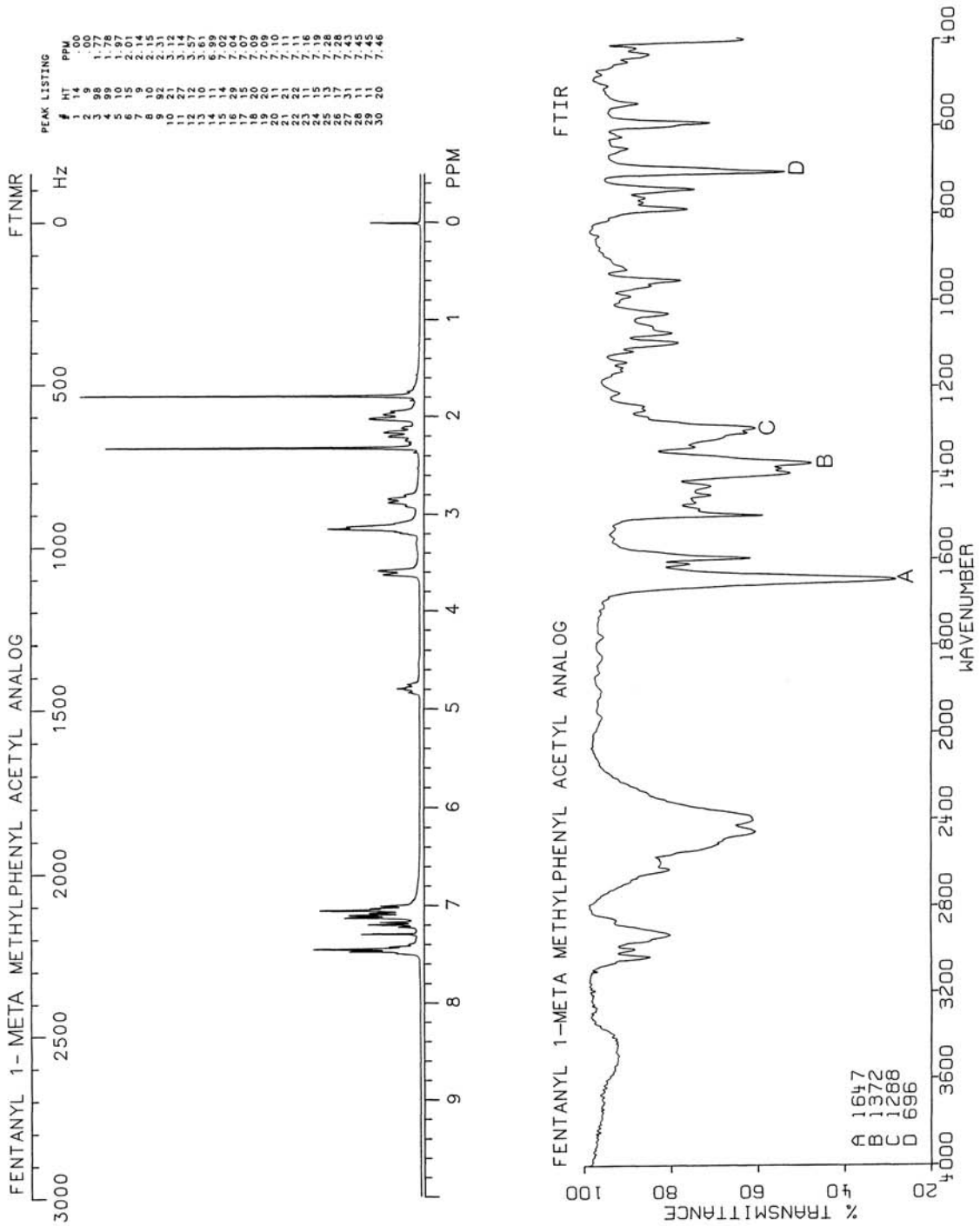
Use:
HPLC: Si-10; 2A:98B; 3.5
GC: 2809; 280°C





FENTANYL 1-META METHYLPHENYL ACETYL ANALOG



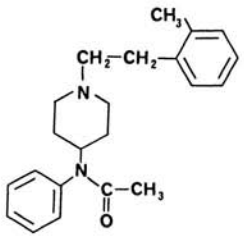

FENTANYL 1- META METHYLPHENYL ACETYL ANALOG
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 14 .00
2 9 .00
3 98 1.77
4 99 1.78
5 10 1.97
6 15 2.01
7 9 2.14
8 10 2.15
9 92 2.31
10 21 3.12
11 27 3.14
12 12 3.57
13 12 3.61
14 11 6.99
15 14 7.02
16 29 7.04
17 15 7.07
18 20 7.09
19 20 7.10
20 11 7.10
21 21 7.11
22 22 7.11
23 11 7.16
24 15 7.19
25 13 7.28
26 17 7.28
27 31 7.43
28 11 7.45
29 11 7.45
30 20 7.46
FENTANYL 1-META METHYLPHENYL ACETYL ANALOG
FTIR
% 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 1647
B 1372
C 1288
D 696

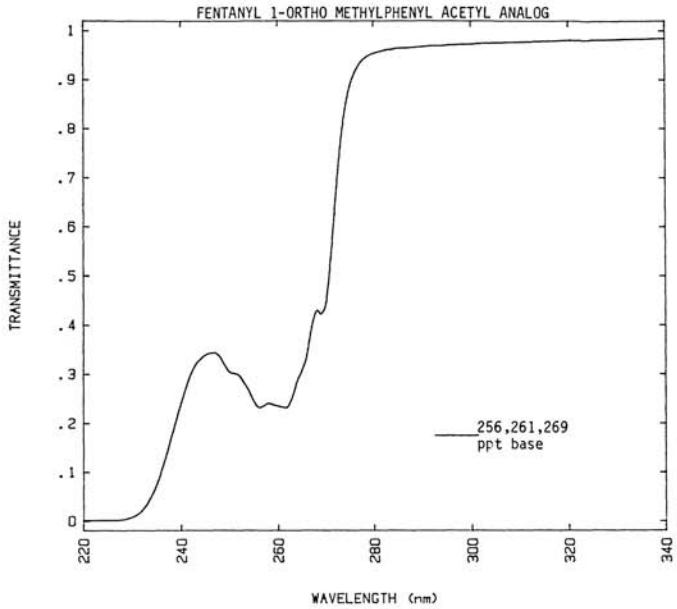
FENTANYL 1-ORTHO METHYLPHENYL ACETYL ANALOG

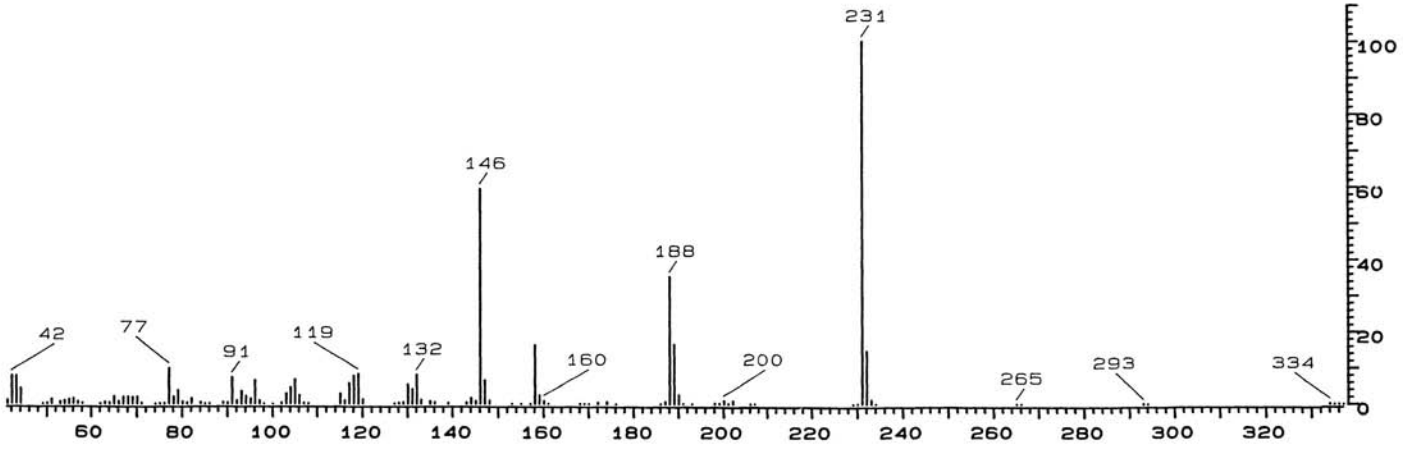
$C_{22}H_{28}N_2O$

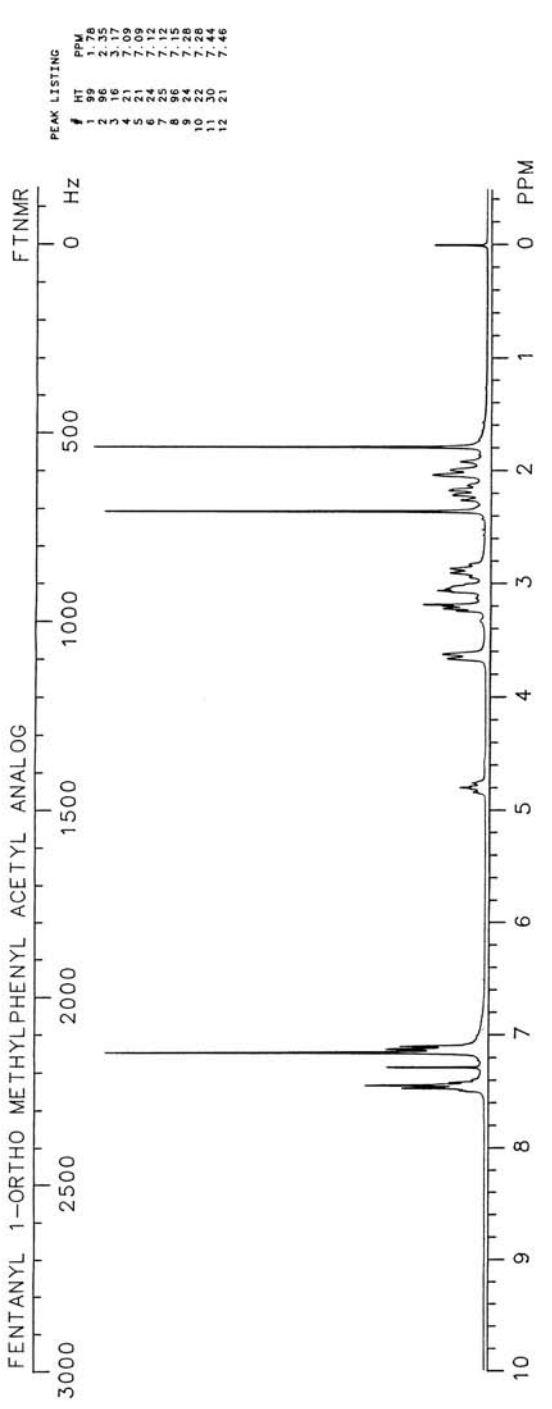
Molecular weight: 336.47 (336.22)
Synonyms: N-Phenyl-N-[1-(2-(2-methylphenyl)ethyl)-4-piperidinyl]-acetamide
Trade names:

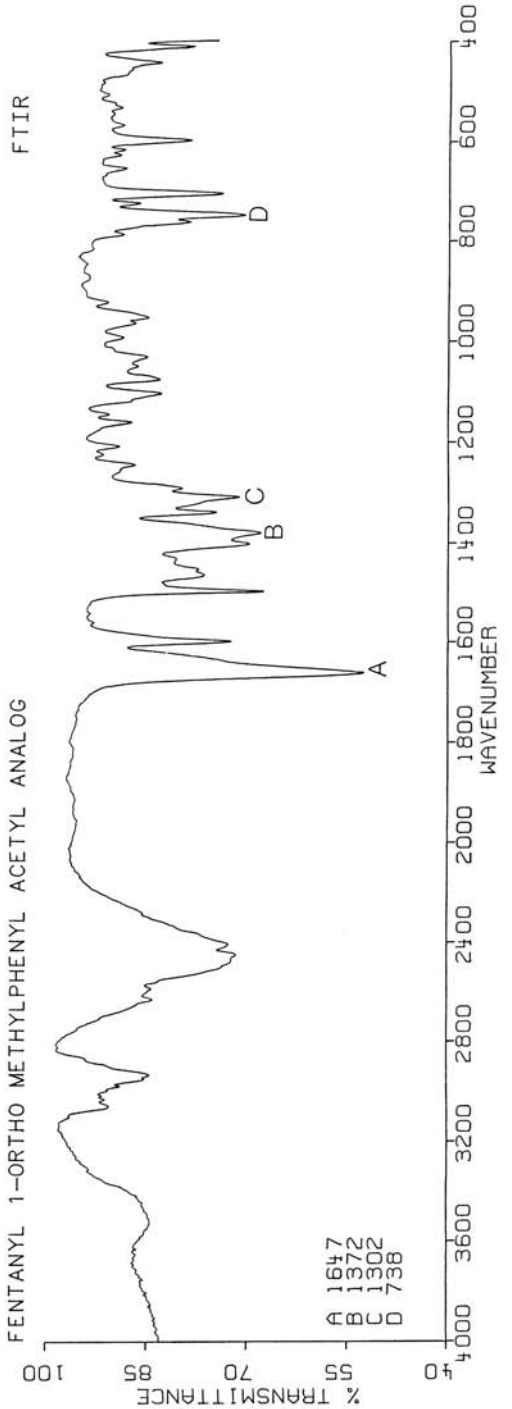
Use:
HPLC: Si-10; 2A:98B; 3.6
GC: 2832; 280°C








FENTANYL 1-ORTHO METHYLPHENYL ACETYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 99 1.78
2 96 2.35
3 16 3.17
4 21 7.09
5 21 7.09
6 24 7.12
7 96 7.12
8 96 7.15
9 24 7.28
10 22 7.28
11 30 7.44
12 21 7.46
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

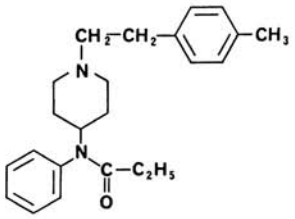

FENTANYL 1-ORTHO METHYLPHENYL ACETYL ANALOG
FTIR
A 1647
B 1372
C 1302
D 738
A
B
C
D
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

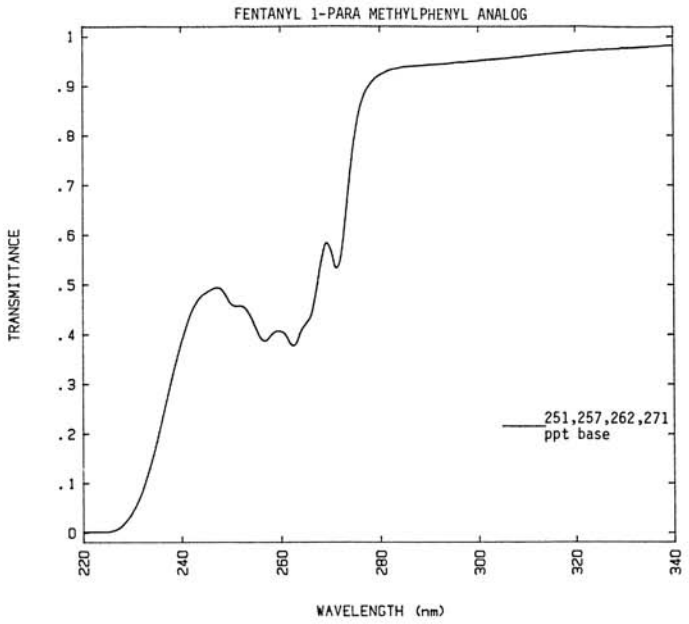
FENTANYL 1-PARA METHYLPHENYL ANALOG

$C_{23}H_{30}N_2O$

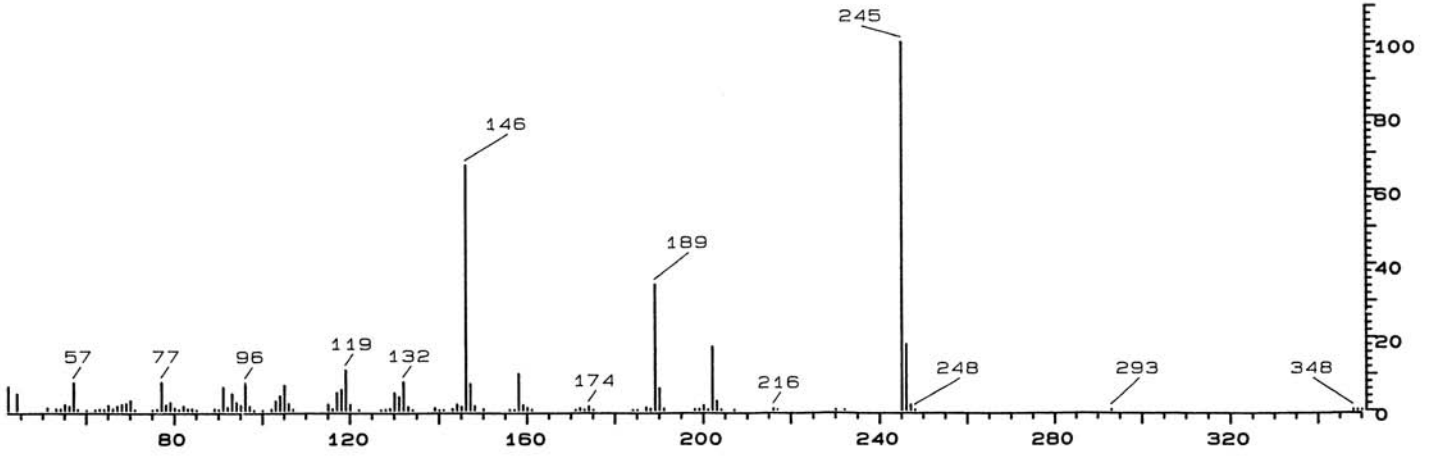
Molecular weight: 350.50 (350.24)
Synonyms: N-Phenyl-N-[1-(2-(4-methylphenyl)ethyl)-4-piperidinyl]-propanamide
Trade names:

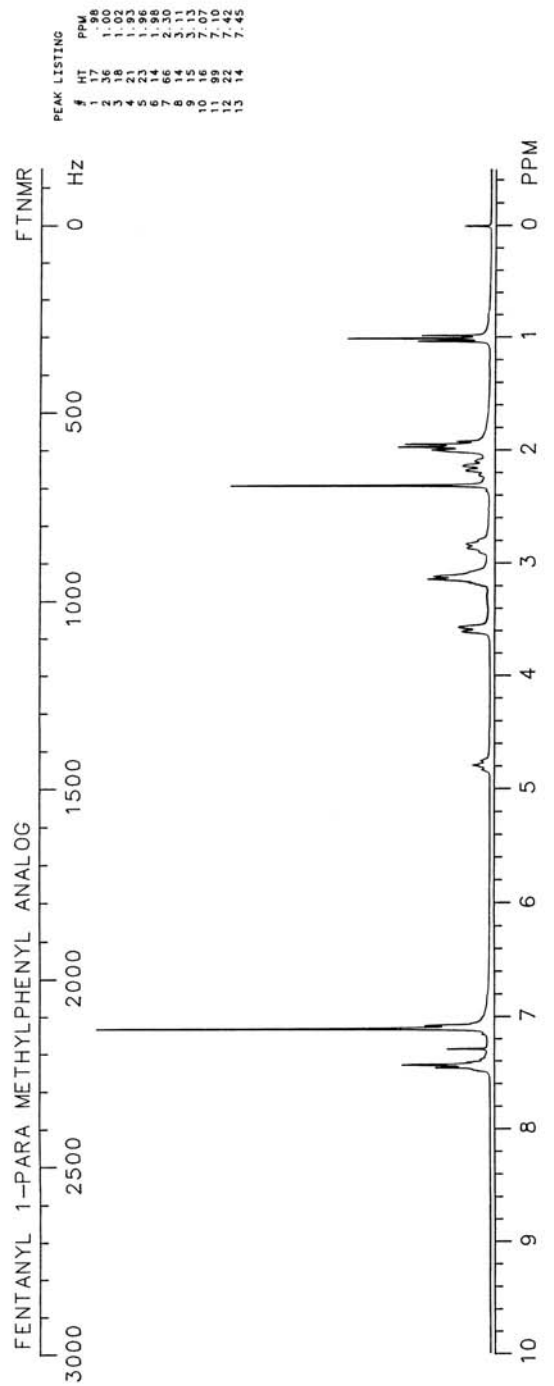
Use:
HPLC: Si-10; 2A:98B; 3.4
GC: 2867; 280°C

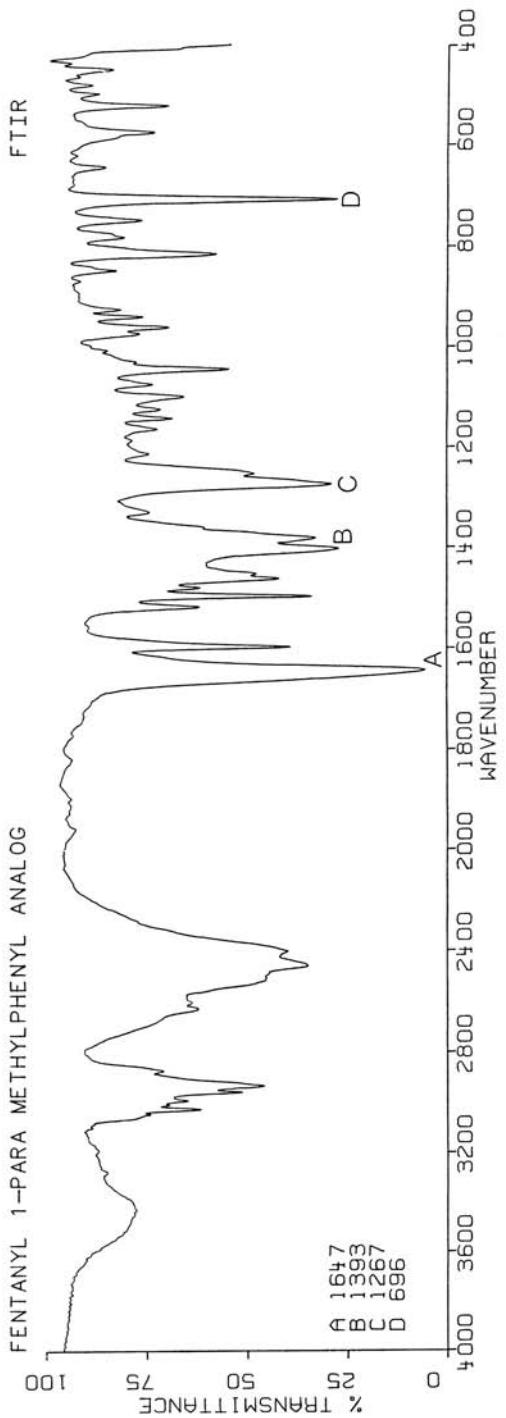




FENTANYL 1-PARA METHYLPHENYL ANALOG




FENTANYL 1-PARA METHYLPHENYL ANALOG
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 .88
2 36 1.00
3 18 1.02
4 21 1.93
5 23 1.96
6 14 1.98
7 66 2.30
8 14 3.11
9 15 3.13
10 16 7.07
11 99 7.10
12 22 7.42
13 14 7.45

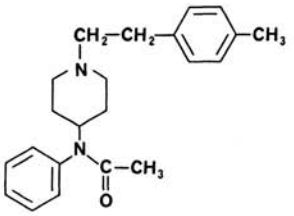

FENTANYL 1-PARA METHYLPHENYL ANALOG
FTIR
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D
A 1647
B 1393
C 1267
D 696

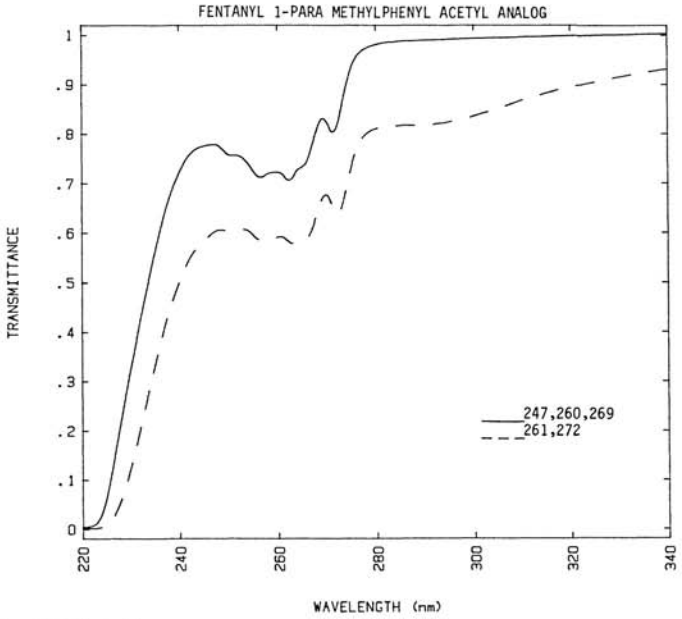
FENTANYL 1-PARA METHYLPHENYL ACETYL ANALOG

$C_{22}H_{28}N_2O$

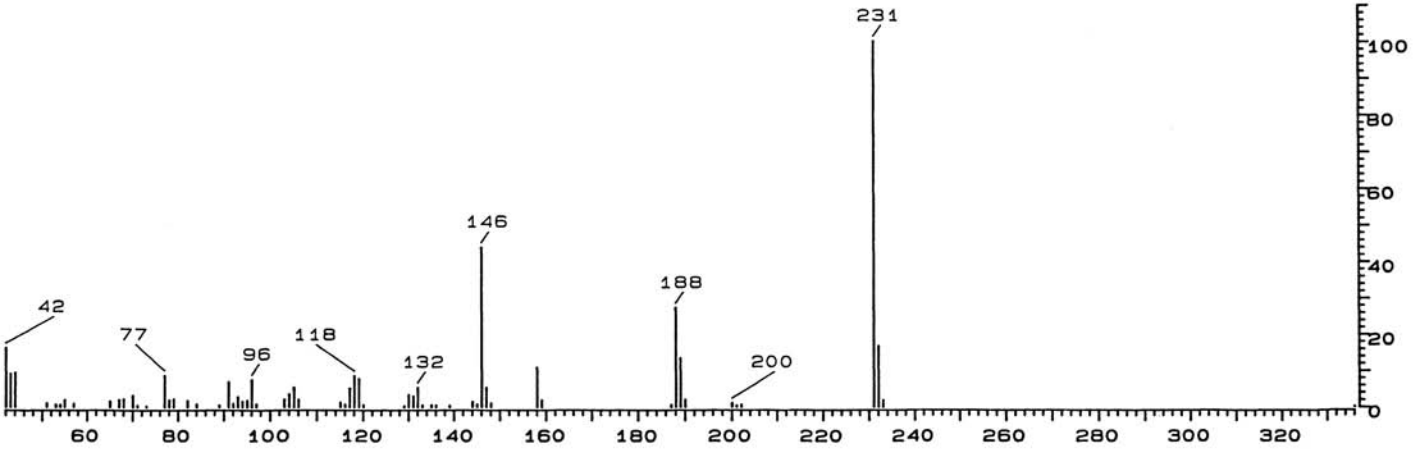
Molecular weight: 336.47 (336.22)
Synonyms: N-Phenyl-N-[1-(2-(4-methylphenyl)ethyl)-4-piperidinyl]-acetamide
Trade names:

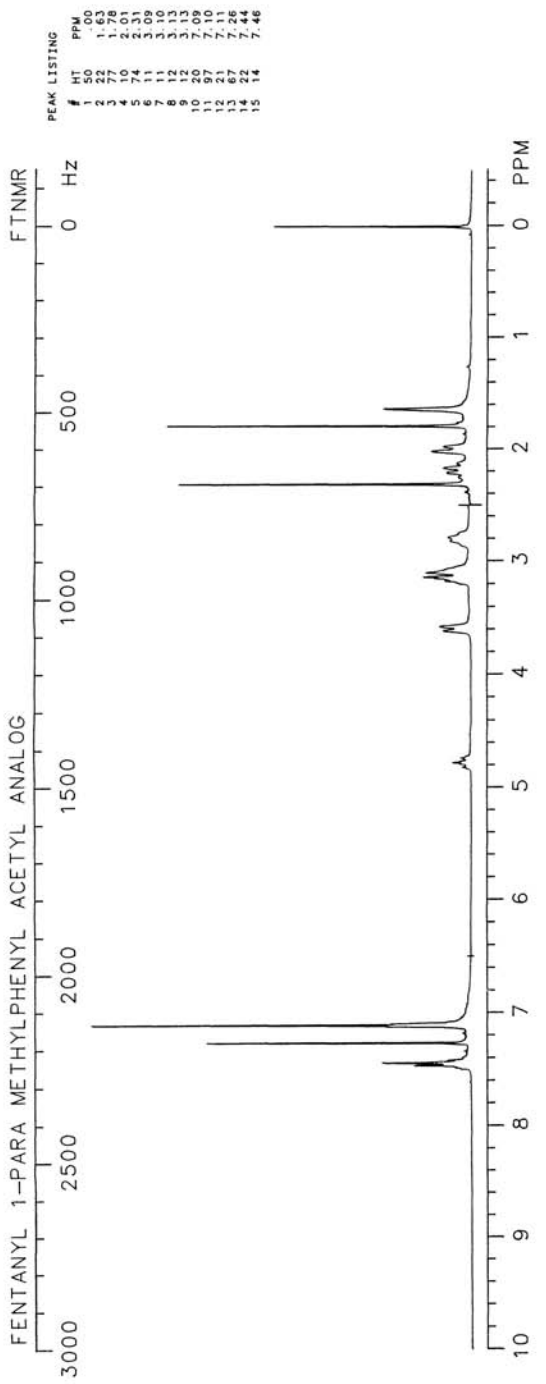
Use:
HPLC: Si-10; 2A:98B; 4.4
GC: 2823; 280°C

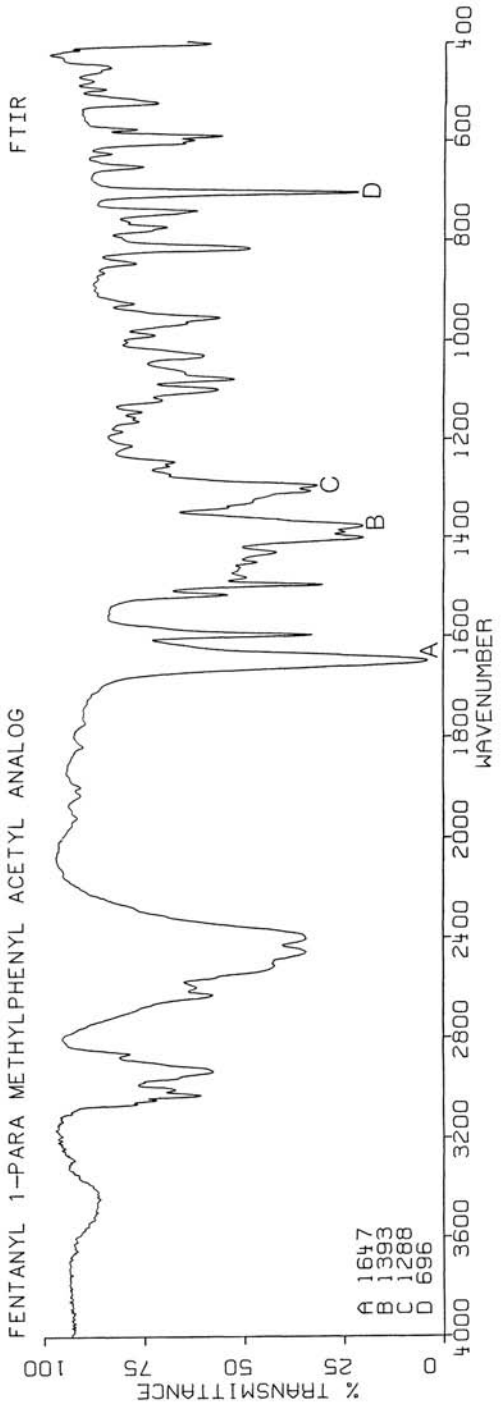




FENTANYL 1–PARA METHYLPHENYL ACETYL ANALOG




FENTANYL 1-PARA METHYLPHENYL ACETYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 50 .00
2 22 1.53
3 77 1.78
4 10 2.01
5 74 2.31
6 11 3.09
7 11 3.10
8 12 3.13
9 13 3.13
10 20 7.09
11 97 7.10
12 21 7.11
13 67 7.26
14 22 7.44
15 14 7.46
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

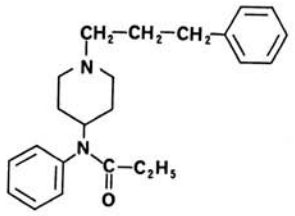

FENTANYL 1-PARA METHYLPHENYL ACETYL ANALOG
FTIR
A 1647
B 1393
C 1288
D 696
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

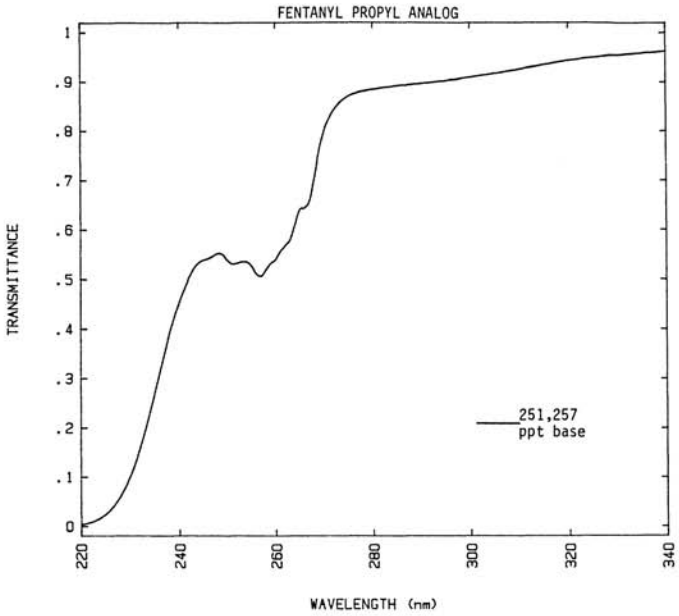
FENTANYL PROPYL ANALOG

$C_{23}H_{30}N_2O$

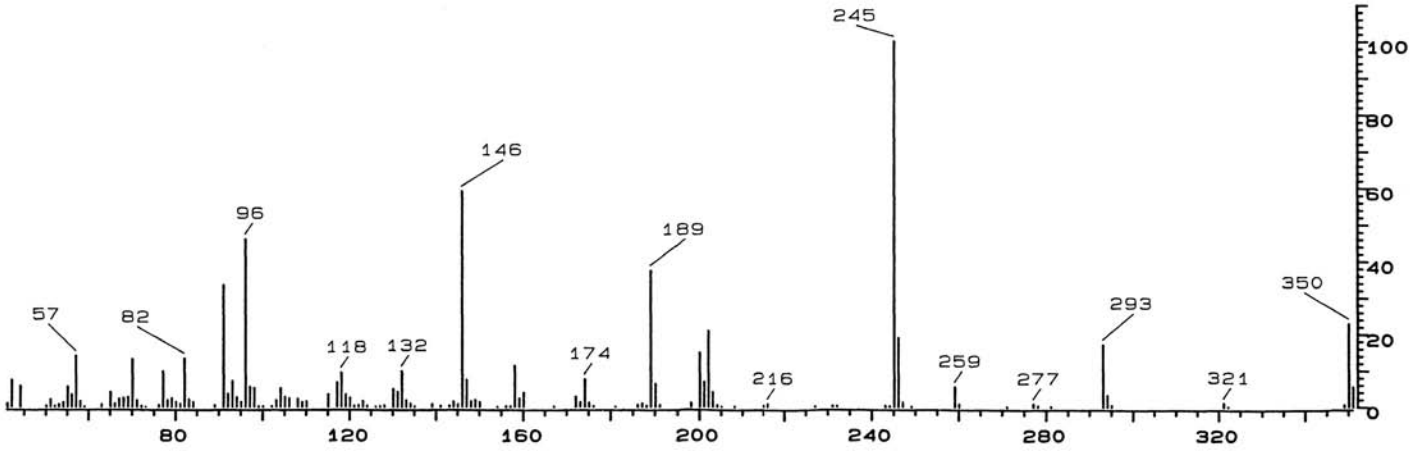
Molecular weight: 350.50 (350.24)
Synonyms: N-Phenyl-N-[1-(3-phenylpropyl)-4-piperidinyl]-propanamide
Trade names:

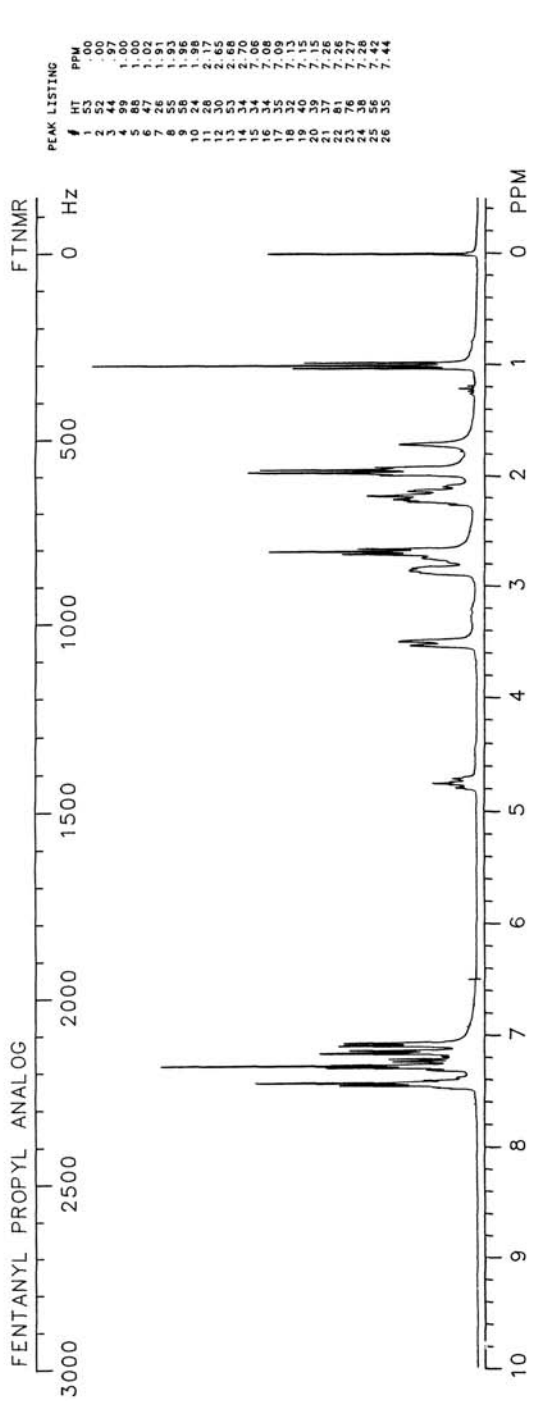
Use:
HPLC: Si-10; 2A:98B; 5.5
GC: 2867; 280°C

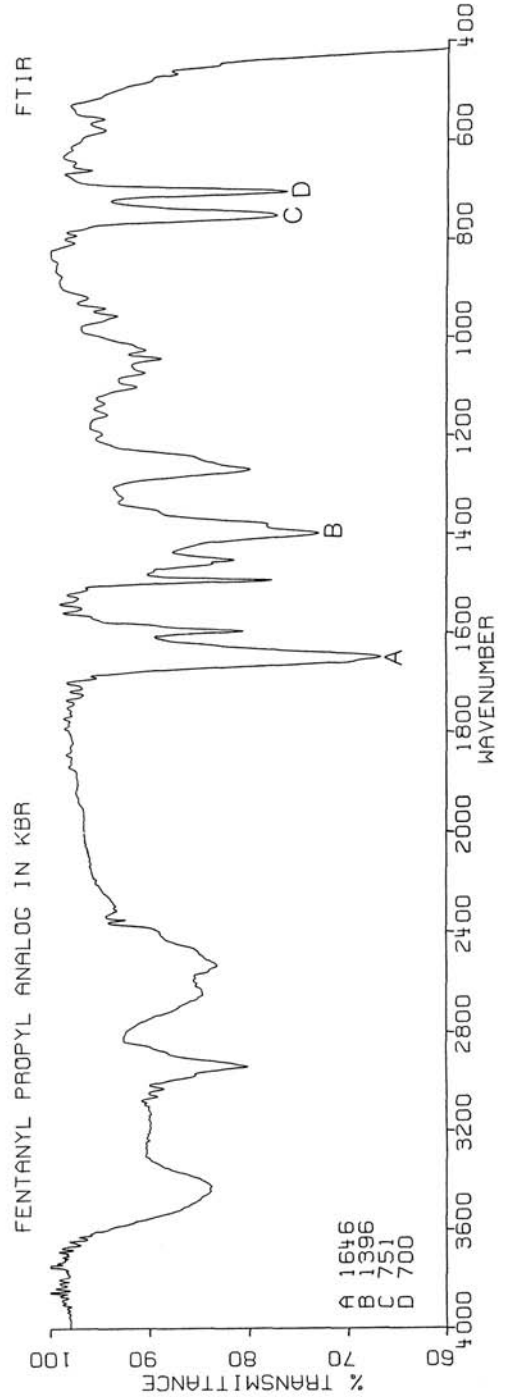




FENTANYL PROPYL ANALOG




FENTANYL PROPYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 53 7.44
2 52 7.42
3 44 7.28
4 99 7.27
5 88 7.26
6 47 7.15
7 26 7.13
8 55 7.09
9 58 7.08
10 24 7.06
11 28 2.70
12 30 2.68
13 53 2.65
14 34 2.17
15 34 1.98
16 34 1.96
17 35 1.93
18 32 1.91
19 40 1.02
20 39 1.00
21 37 .97
22 81 .00
23 76 .00
24 38 .00
25 56 .00
26 35 .00
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
FENTANYL PROPYL ANALOG IN KBR
A 1646
B 1396
C 751
D 700
A
B
C D
100 90 80 70 60
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

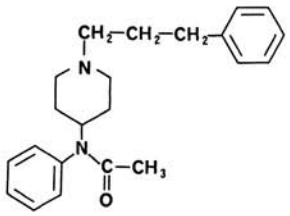
FENTANYL PROPYL ACETYL ANALOG

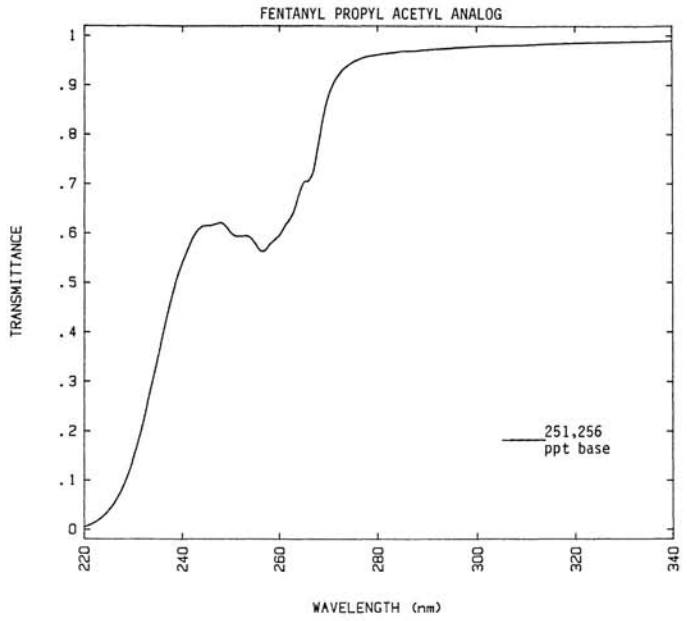
$C_{22}H_{28}N_2O$

Molecular weight: 336.47 (336.22)
Synonyms: N-Phenyl-N-[1-(3-phenylpropyl)-4-piperidinyl]acetamide

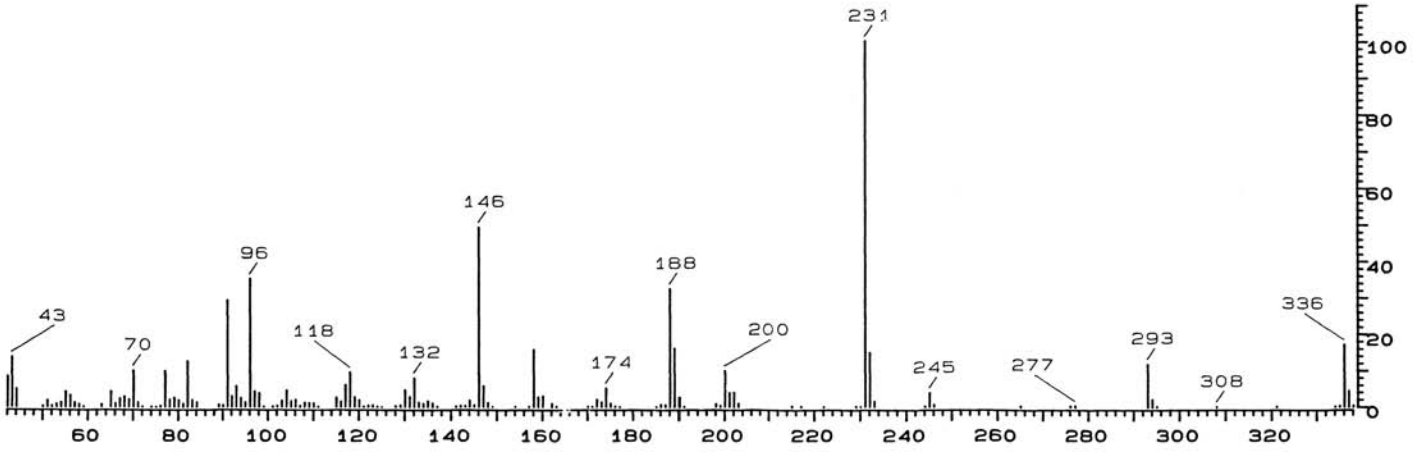
Trade names:

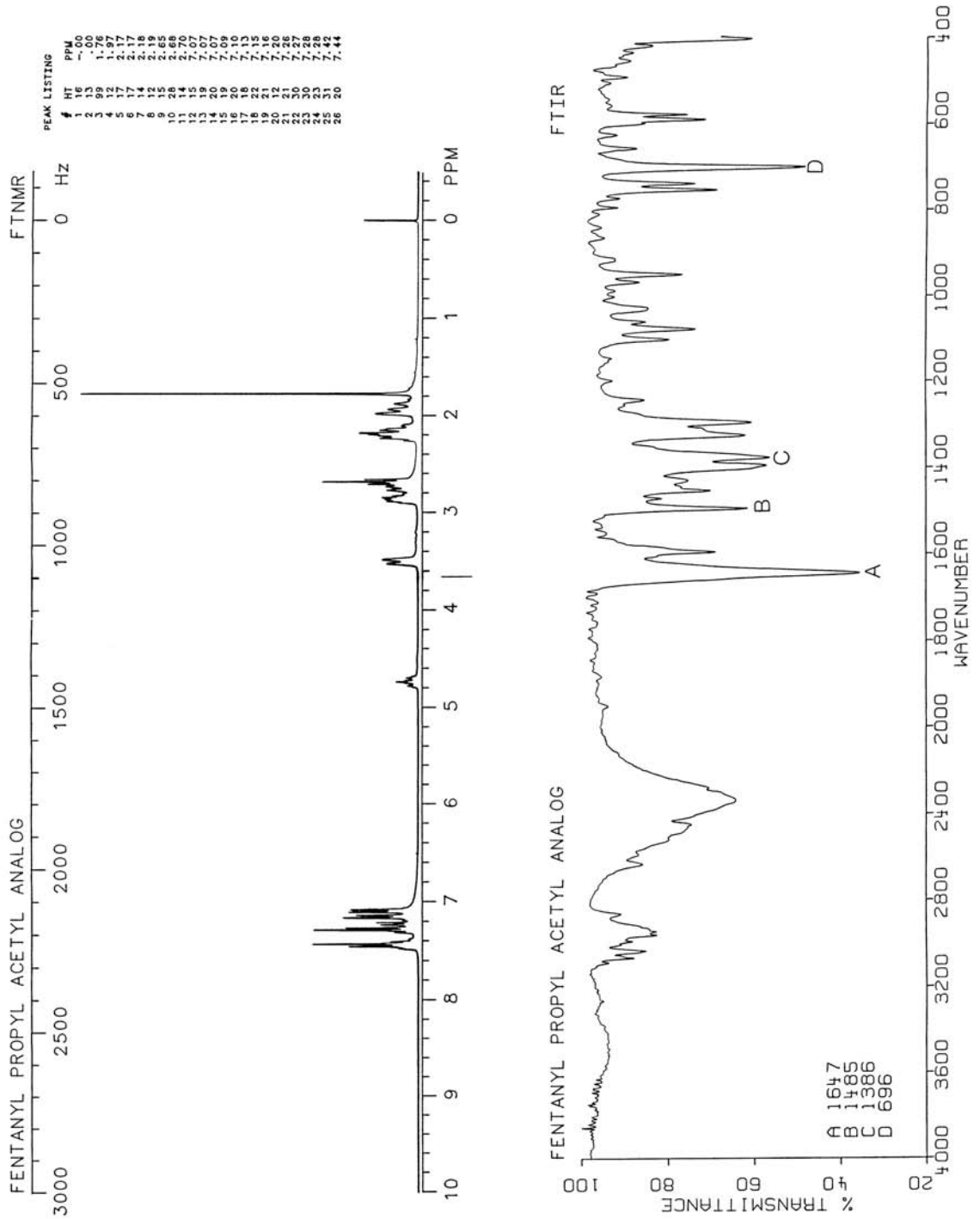
Use:
HPLC: Si-10; 2A:98B; 5.0
GC: 2829; 280°C





FENTANYL PROPYL ACETYL ANALOG



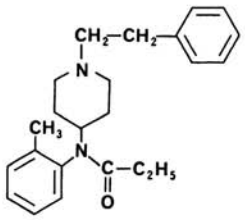

FENTANYL PROPYL ACETYL ANALOG
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 16 -.00
2 13 -.00
3 99 1.76
4 12 1.97
5 17 2.17
6 17 2.17
7 14 2.18
8 12 2.19
9 15 2.65
10 28 2.68
11 14 2.70
12 15 7.07
13 19 7.07
14 20 7.07
15 19 7.09
16 20 7.10
17 18 7.13
18 22 7.15
19 21 7.16
20 12 7.20
21 30 7.27
22 30 7.28
23 30 7.28
24 23 7.42
25 31 7.44
26 20
FENTANYL PROPYL ACETYL ANALOG
FTIR
A
B
C
D
A 1647
B 1485
C 1386
D 696
100
80
60
40
20
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

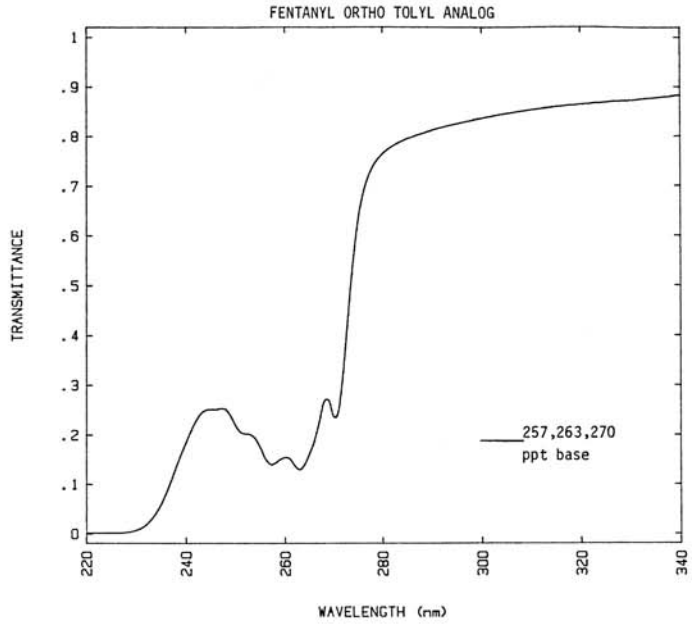
FENTANYL ORTHO TOLYL ANALOG

$C_{23}H_{30}N_2O$

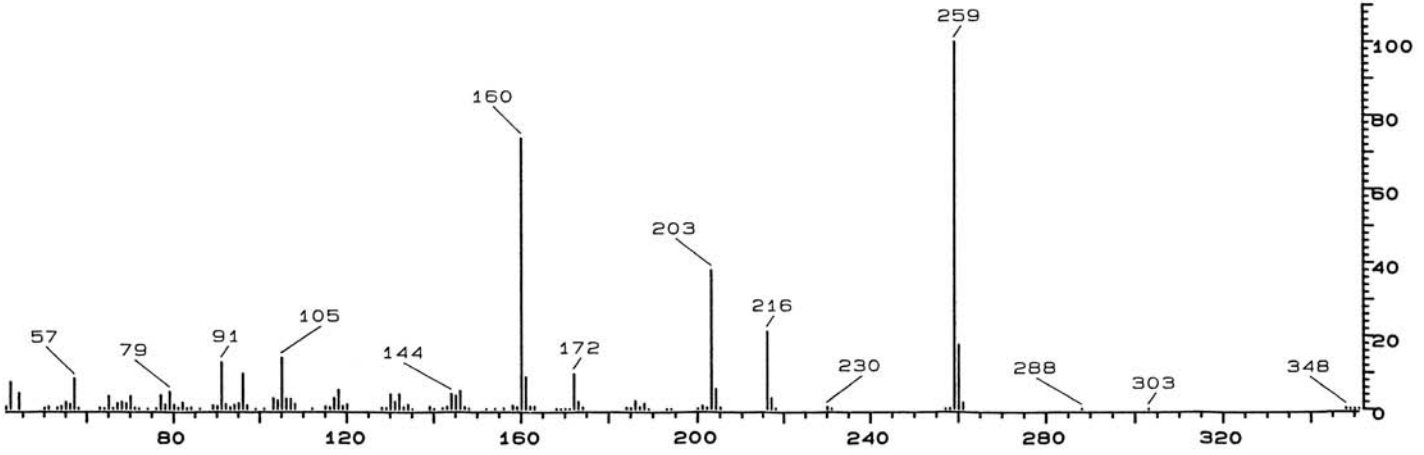
Molecular weight: 350.50 (350.24)
Synonyms: Ortho-Methylphenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-propanamide
Trade names:

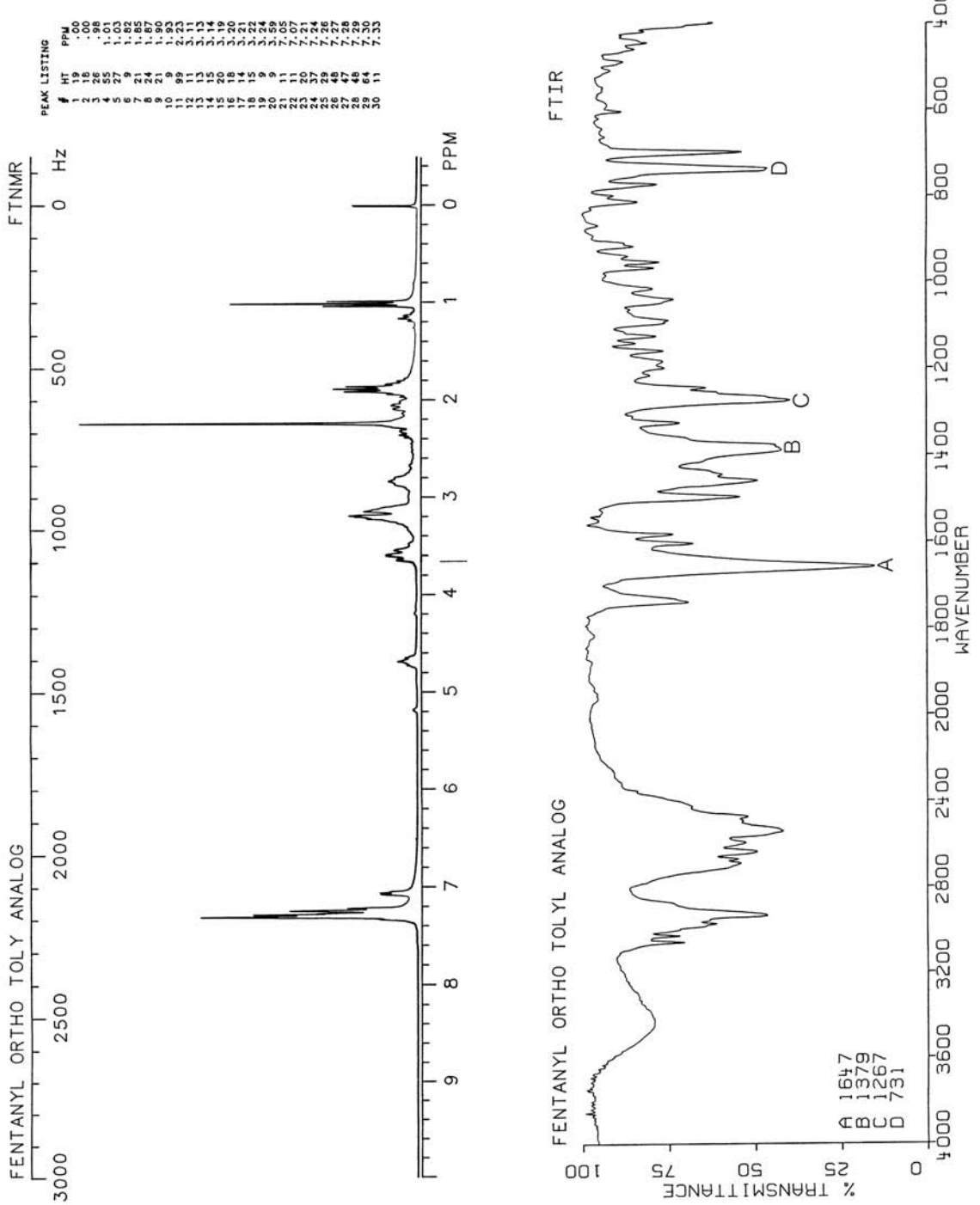
Use:
HPLC: Si-10; 2A:98B; 4.0
GC: 2837; 280°C





FENTANYL ORTHO TOLYL ANALOG



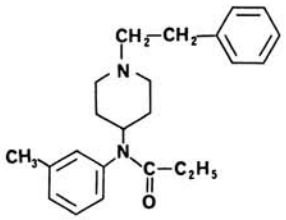

FTNMR
FENTANYL ORTHO TOLY ANALOG
PEAK LISTING
HT PPM
1 19 .00
2 18 .00
3 26 .98
4 55 1.01
5 27 1.03
6 9 1.62
7 21 1.65
8 24 1.87
9 21 1.90
10 9 1.93
11 99 2.23
12 11 3.11
13 11 3.13
14 15 3.14
15 20 3.19
16 18 3.20
17 14 3.21
18 15 3.22
19 9 3.24
20 9 3.29
21 11 7.05
22 11 7.07
23 20 7.21
24 37 7.24
25 29 7.26
26 46 7.27
27 47 7.28
28 46 7.29
29 64 7.30
30 11 7.33
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
FTIR
FENTANYL ORTHO TOLYL ANALOG
A 1647
B 1379
C 1267
D 731
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

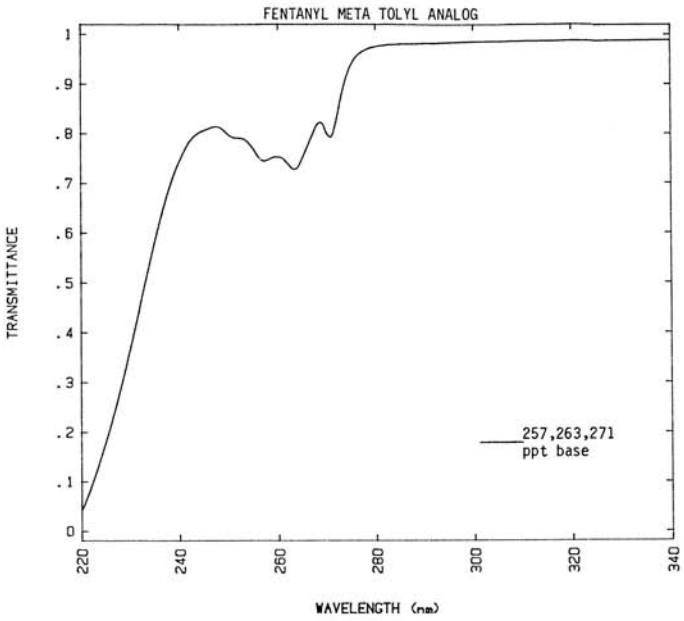
FENTANYL META TOLYL ANALOG

$C_{23}H_{30}N_2O$

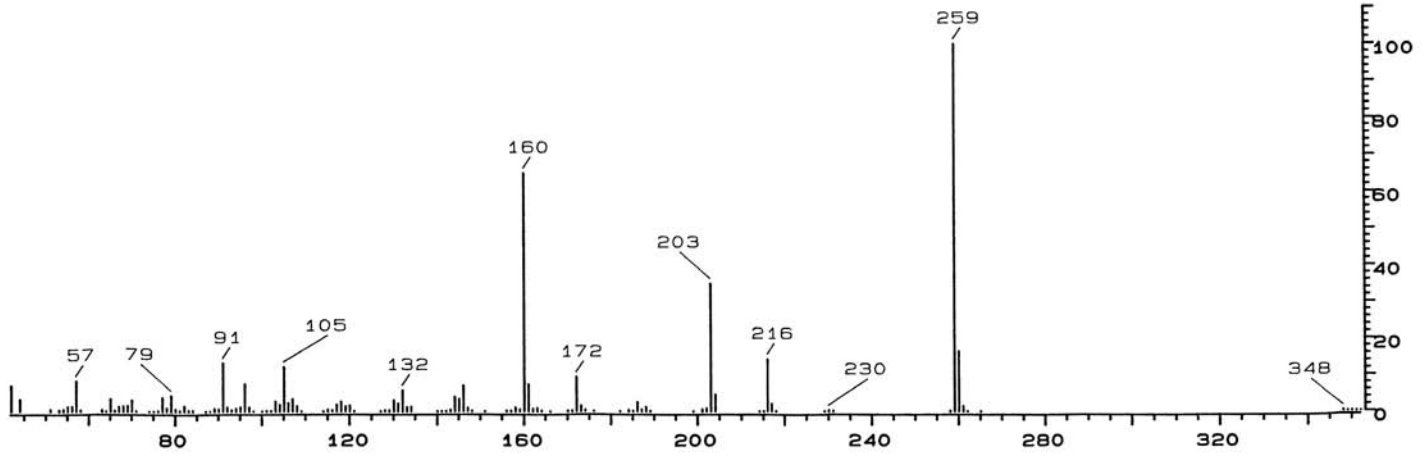
Molecular weight: 350.50 (350.24)
Synonyms: Meta-Methylphenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-propanamide
Trade names:

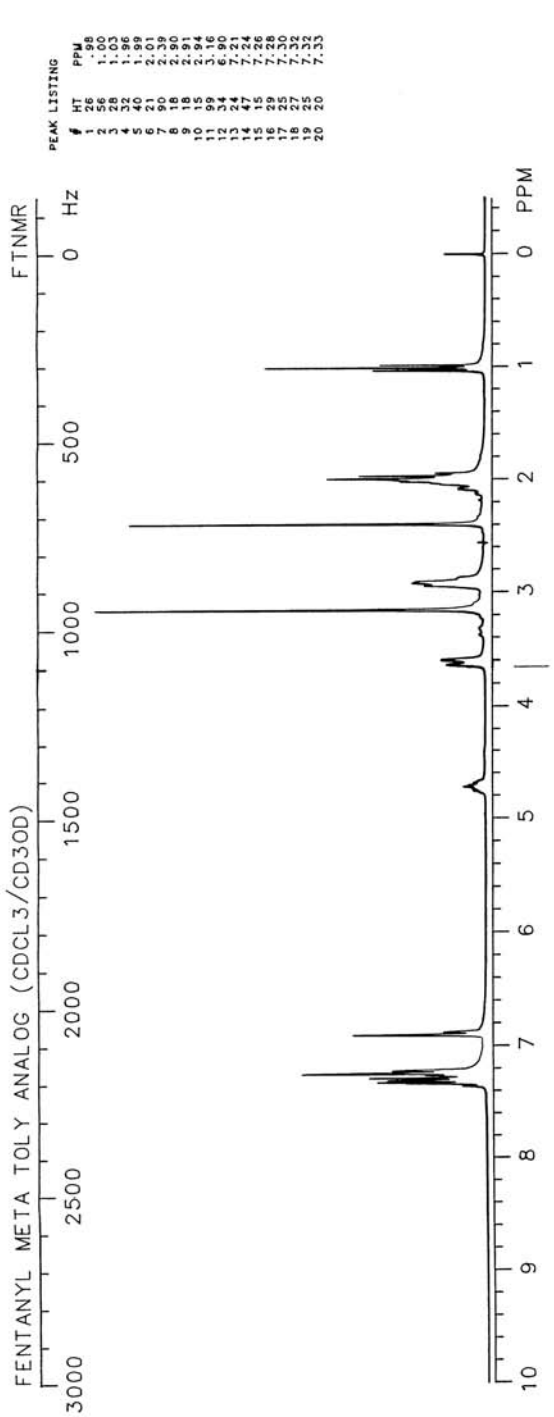
Use:
HPLC: Si-10; 2A:98B; 3.6
GC: 2823; 280°C

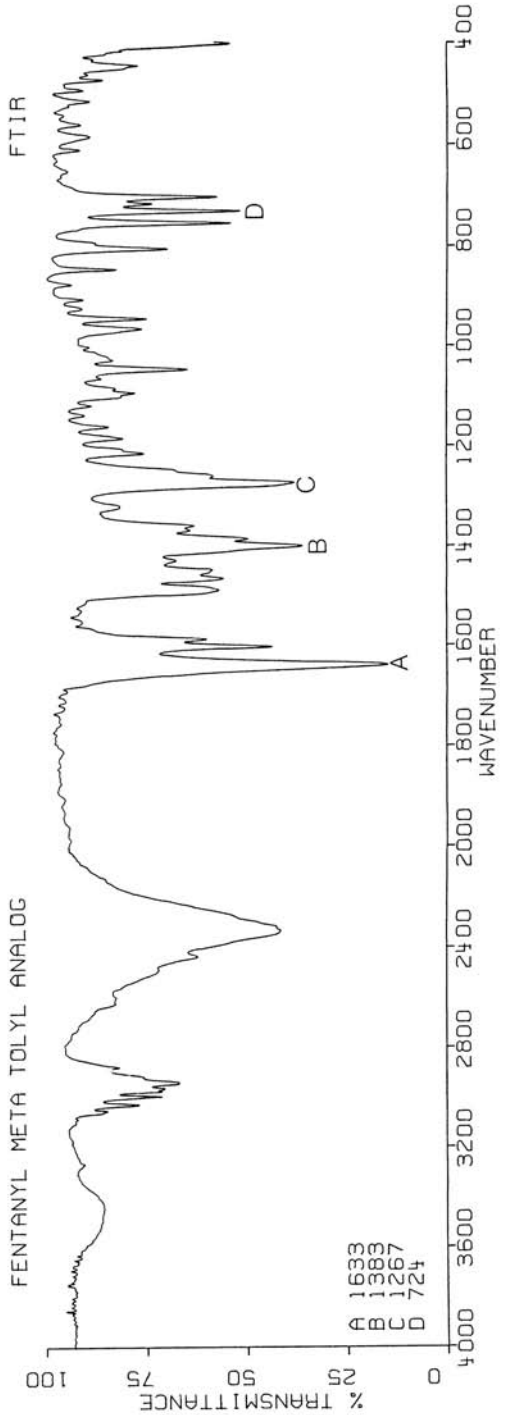




FENTANYL META TOLYL ANALOG




FENTANYL META TOLY ANALOG (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 26 .98
2 56 1.00
3 28 1.03
4 32 1.96
5 40 1.99
6 21 2.01
7 90 2.39
8 18 2.90
9 18 2.91
10 15 2.94
11 99 3.16
12 34 6.90
13 24 7.21
14 47 7.24
15 15 7.26
16 29 7.28
17 25 7.30
18 27 7.32
19 25 7.32
20 20 7.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

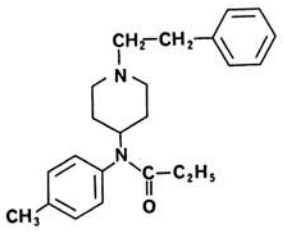

FENTANYL META TOLYL ANALOG
FTIR
A 1633
B 1383
C 1267
D 724
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

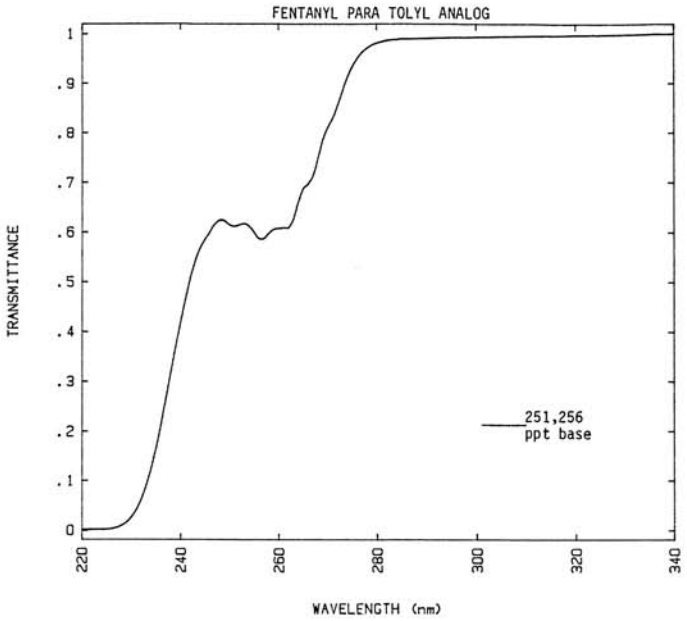
FENTANYL PARA TOLYL ANALOG

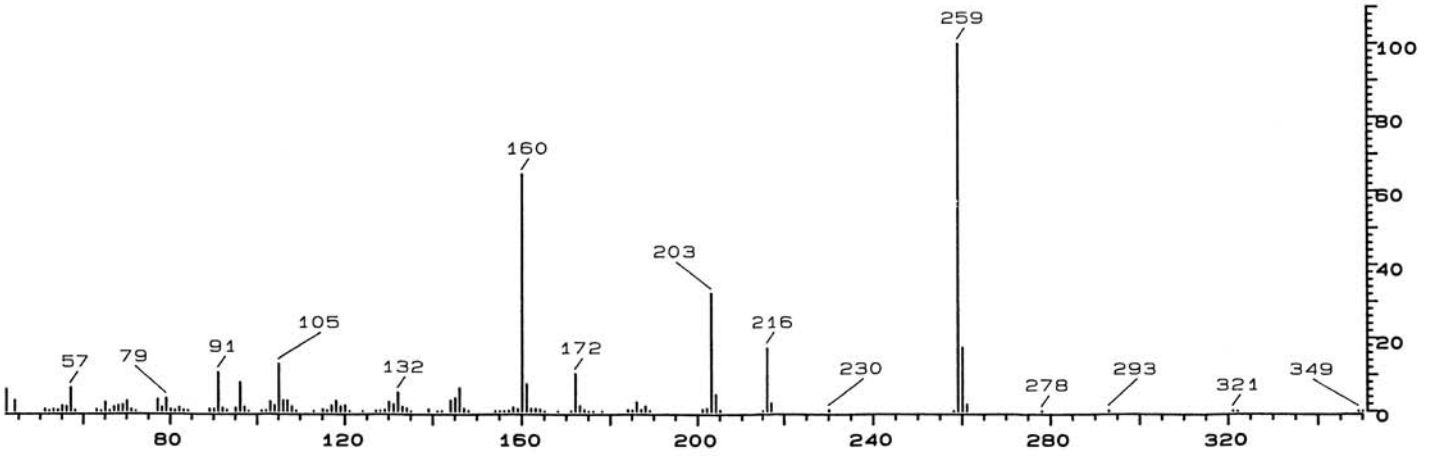
$C_{23}H_{30}N_2O$

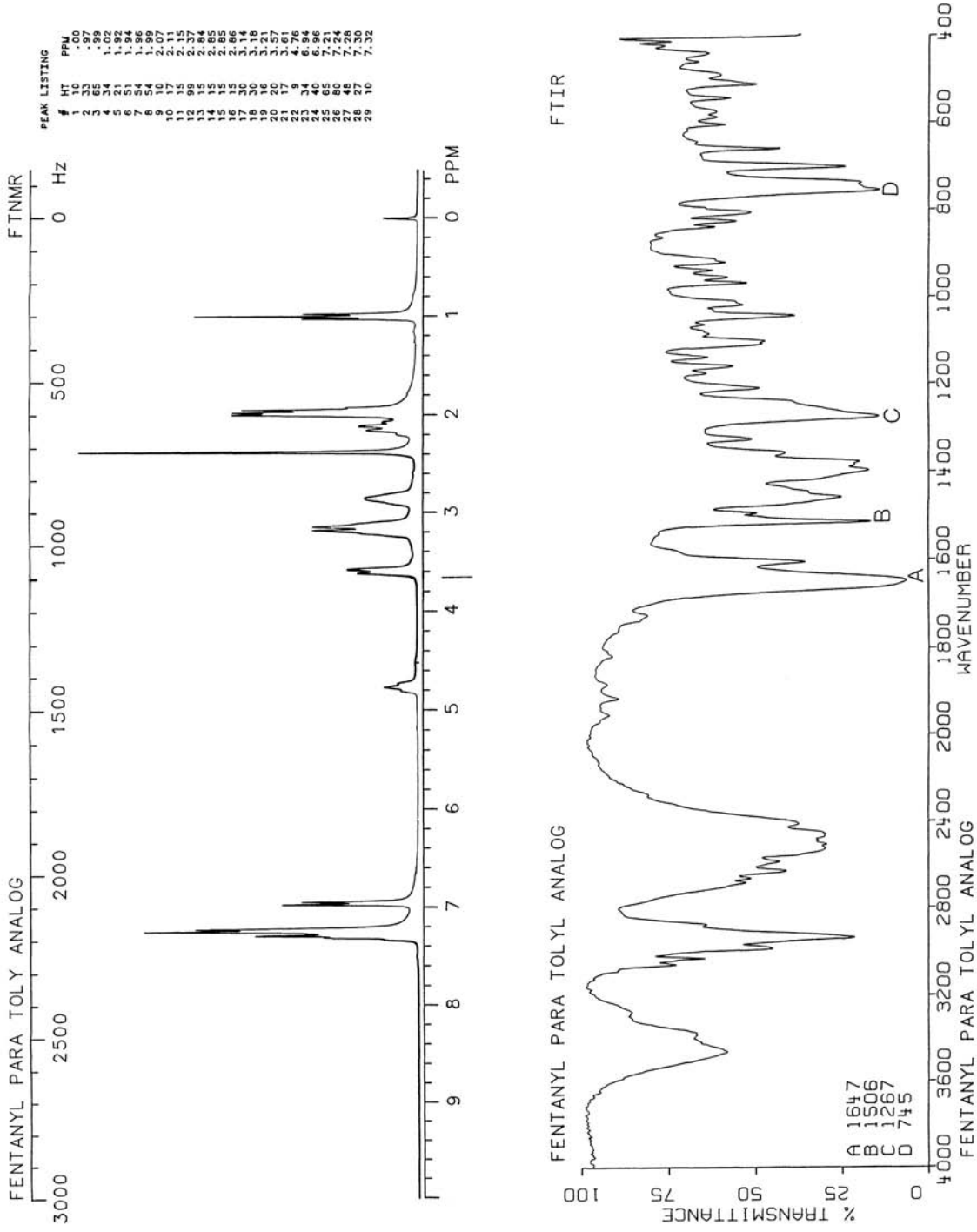
Molecular weight: 350.50 (350.24)
Synonyms: Para-Methylphenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-propanamide
Trade names:

Use:
HPLC: Si-10; 2A:98B; 3.6
GC: 2848; 280°C







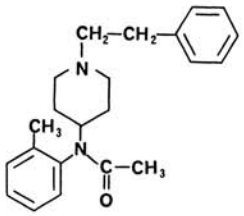

FTNMR
FENTANYL PARA TOLY ANALOG
PEAK LISTING
HT PPM
1 10 .00
2 33 .97
3 65 1.09
4 34 1.92
5 21 1.94
6 51 1.96
7 54 1.99
8 54 2.07
9 10 2.11
10 17 2.15
11 17 2.37
12 99 2.84
13 15 2.85
14 15 2.85
15 15 2.86
16 15 3.14
17 30 3.18
18 16 3.21
19 16 3.57
20 20 3.61
21 17 4.76
22 9 6.94
23 34 6.96
24 40 7.21
25 60 7.24
26 80 7.28
27 48 7.30
28 27 7.32
29 10
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
FTIR
FENTANYL PARA TOLYL ANALOG
A 1647
B 1506
C 1267
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
WAVENUMBER
FENTANYL PARA TOLYL ANALOG

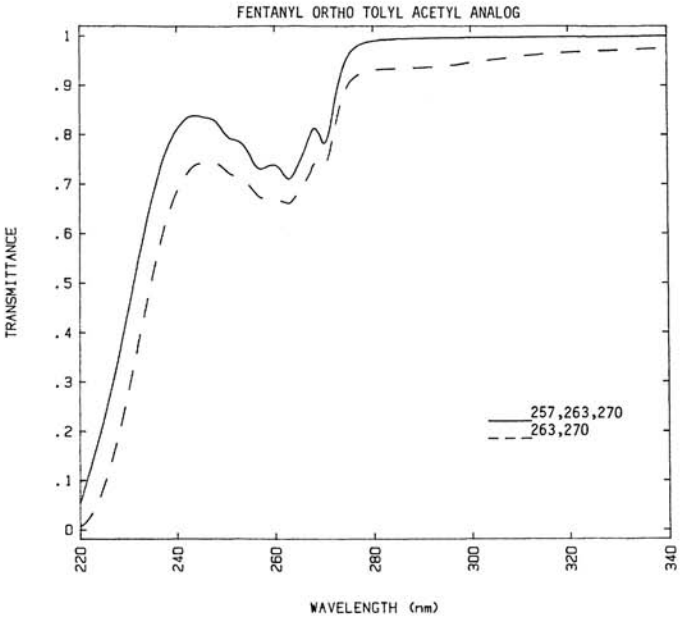
FENTANYL ORTHO TOLYL ACETYL ANALOG

$C_{22}H_{28}N_2O$

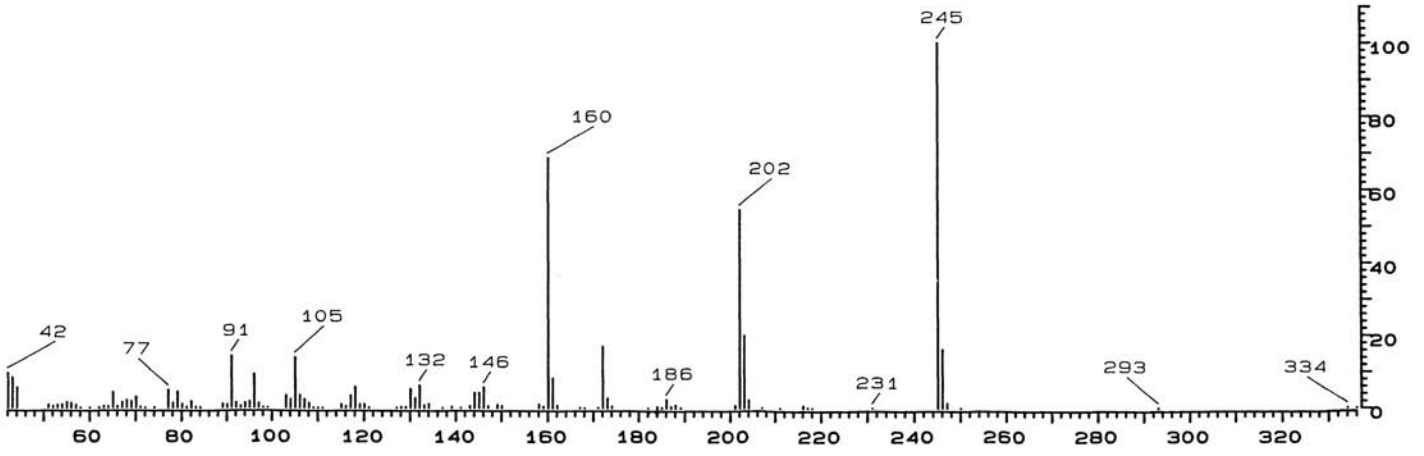
Molecular weight: 336.47 (336.22)
Synonyms: Ortho-Methylphenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-acetamide
Trade names:

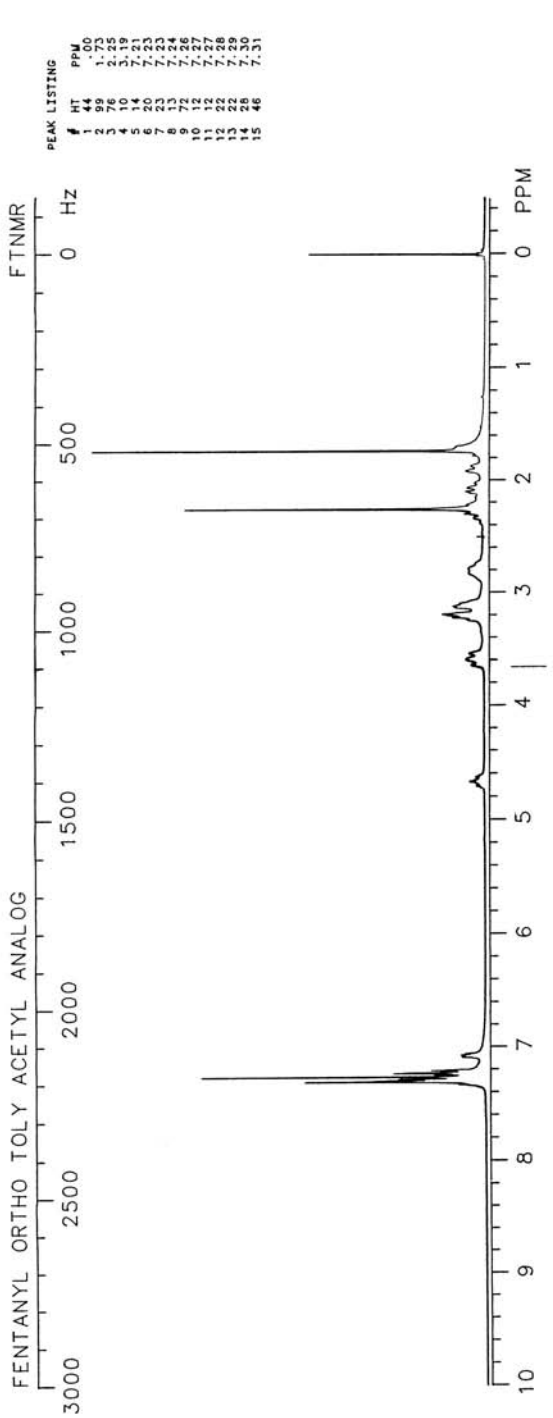
Use:
HPLC: Si-10; 2A:98B; 4.6
GC: 2791; 280°C

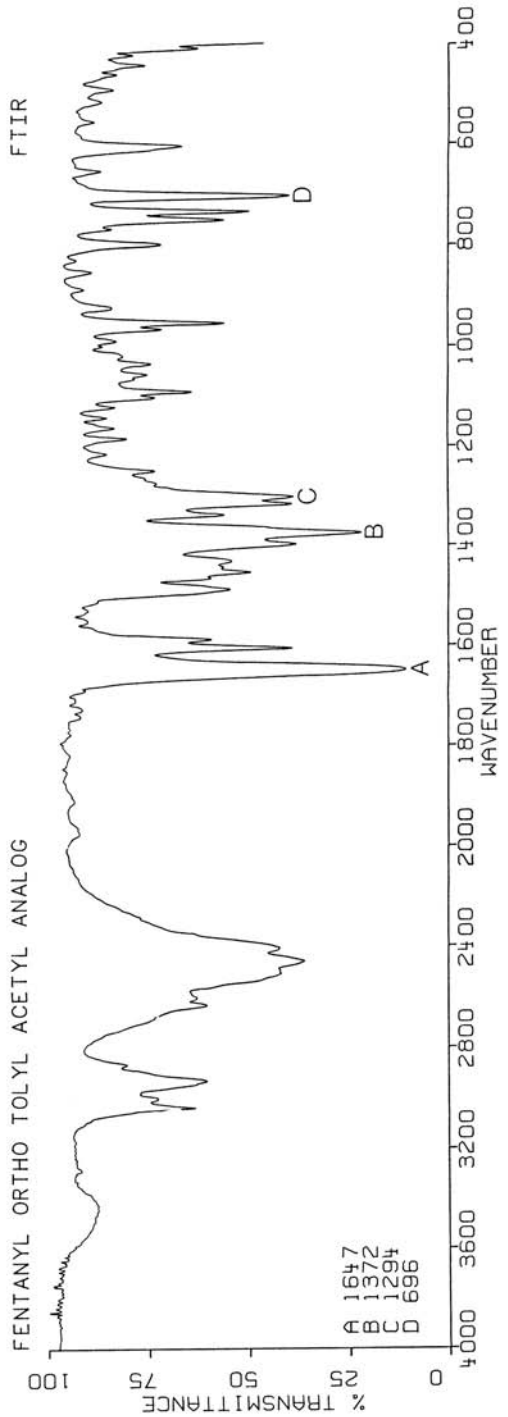




FENTANYL ORTHO TOLYL ACETYL ANALOG




FTNMR
FENTANYL ORTHO TOLY ACETYL ANALOG
PEAK LISTING
HT PPM
1 44 .00
2 99 1.73
3 76 2.15
4 10 2.19
5 14 7.21
6 20 7.23
7 23 7.23
8 13 7.24
9 72 7.26
10 12 7.27
11 12 7.27
12 22 7.28
13 22 7.29
14 28 7.30
15 46 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

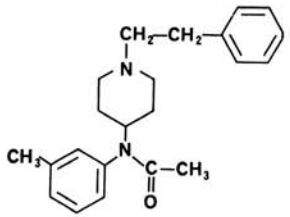

FTIR
FENTANYL ORTHO TOLYL ACETYL ANALOG
A 1647
B 1372
C 1294
D 696
A
B
C
D
100 75 50 25 0 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

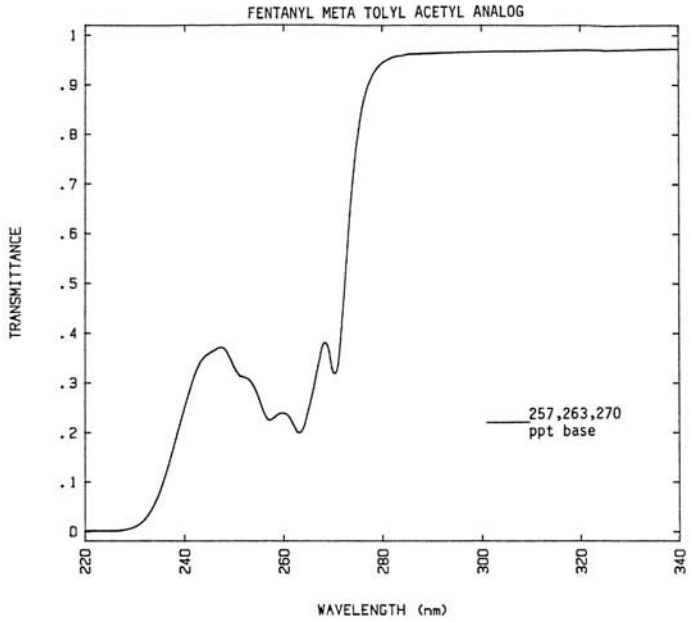
FENTANYL META TOLYL ACETYL ANALOG

$C_{22}H_{28}N_2O$

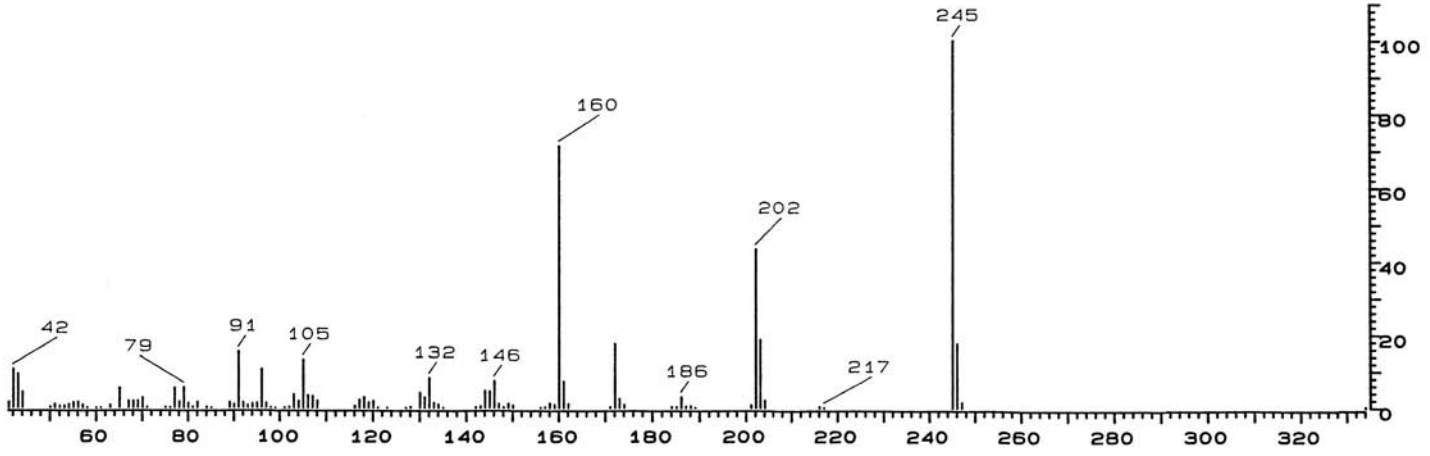
Molecular weight: 336.47 (336.22)
Synonyms: Meta-Methylphenyl-N-[1-(2-phenyllethyl)-4-piperidinyl]-
acetamide
Trade names:

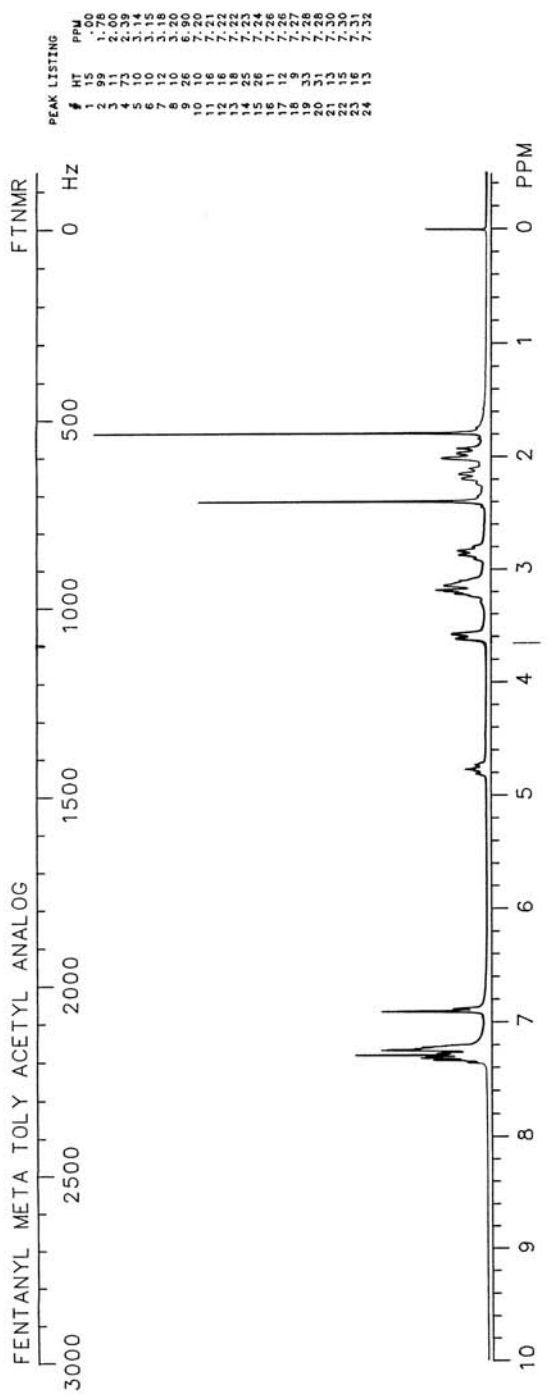
Use:
HPLC: Si-10; 2A:98B; 4.1
GC: 2770; 280°C

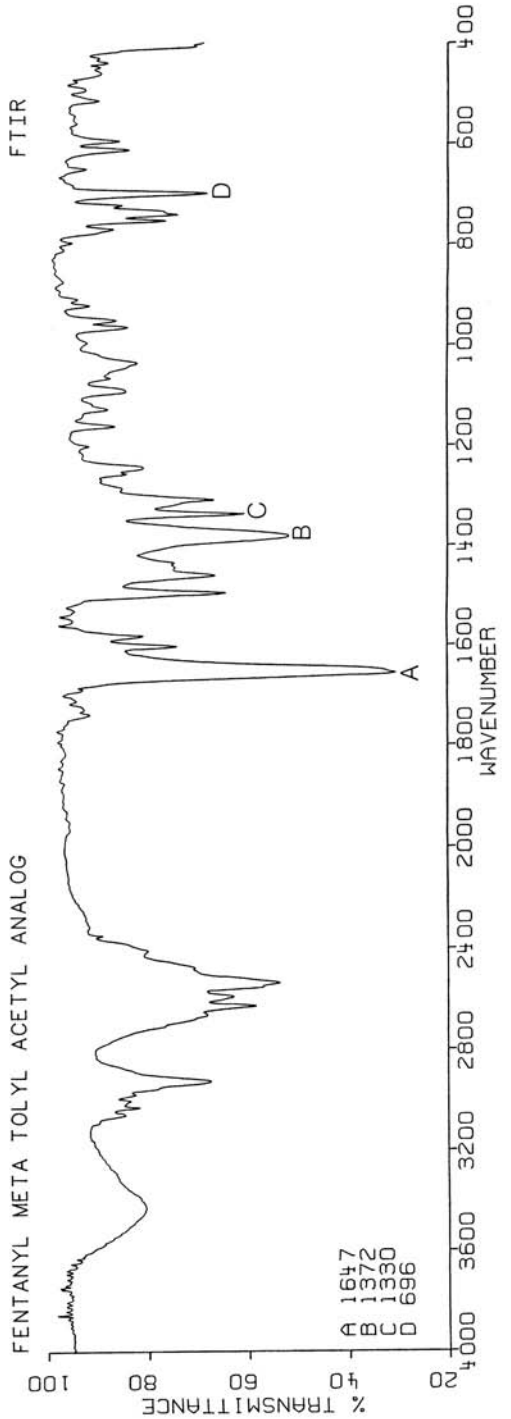




FENTANYL META TOLYL ACETYL ANALOG




FENTANYL META TOLY ACETYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 15 7.00
2 99 1.78
3 11 2.00
4 73 2.39
5 10 3.14
6 10 3.15
7 12 3.18
8 10 3.20
9 26 6.90
10 10 7.20
11 10 7.21
12 16 7.22
13 18 7.22
14 25 7.23
15 26 7.24
16 11 7.26
17 12 7.26
18 8 7.27
19 33 7.28
20 31 7.28
21 13 7.30
22 15 7.30
23 16 7.31
24 13 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

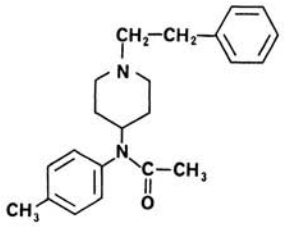

FENTANYL META TOLYL ACETYL ANALOG
FTIR
A 1647
B 1372
C 1330
D 696
A
B
C
D
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

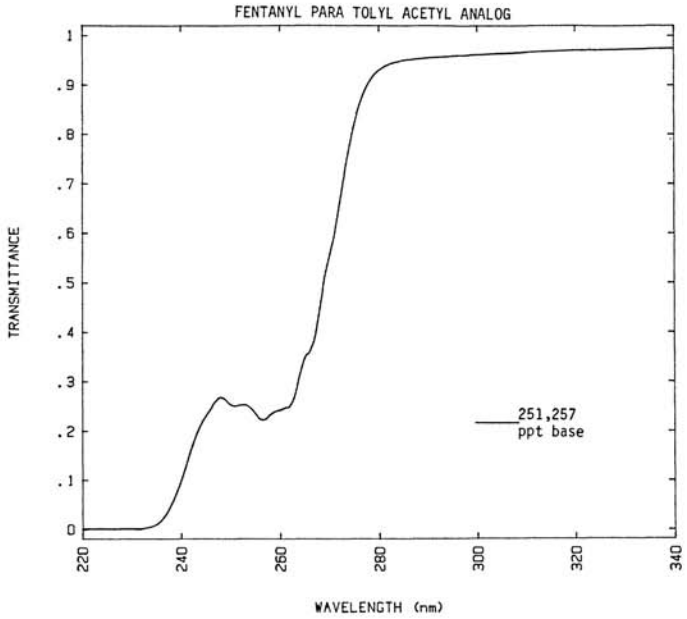
FENTANYL PARA TOLYL ACETYL ANALOG

$C_{22}H_{28}N_2O$

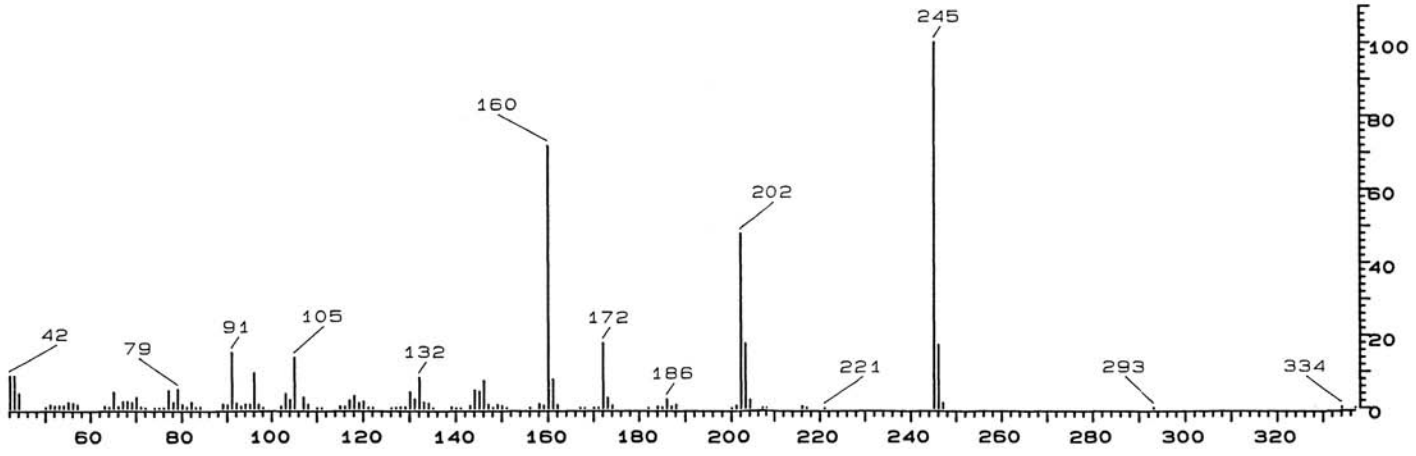
Molecular weight: 336.47 (336.22)
Synonyms: Para-Methylphenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-acetamide
Trade names:

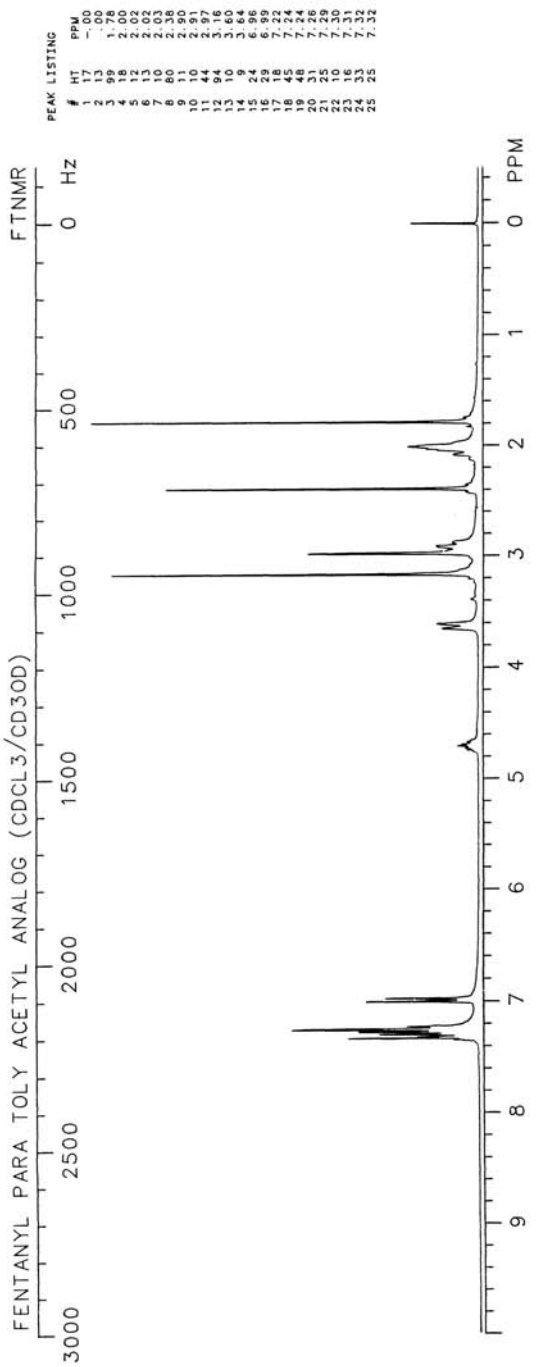
Use:
HPLC: Si-10; 2A:98B; 6.0
GC: 2809; 280°C

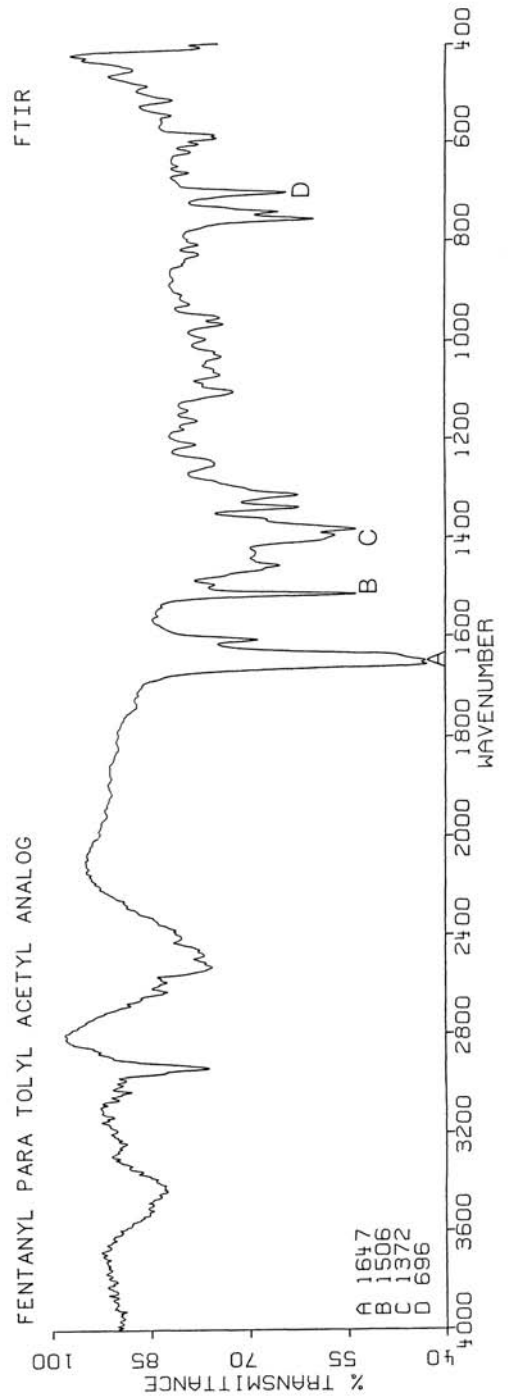




FENTANYL PARA TOLYL ACETYL ANALOG




FTNMR
FENTANYL PARA TOLY ACETYL ANALOG (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 17 .00
2 13 .70
3 99 1.28
4 18 2.00
5 12 2.02
6 13 2.02
7 10 2.03
8 80 2.38
9 11 2.90
10 11 2.91
11 44 2.97
12 94 3.16
13 10 3.60
14 9 3.64
15 24 6.96
16 19 7.22
17 18 7.22
18 45 7.24
19 48 7.24
20 31 7.26
21 25 7.29
22 10 7.30
23 16 7.31
24 33 7.32
25 25

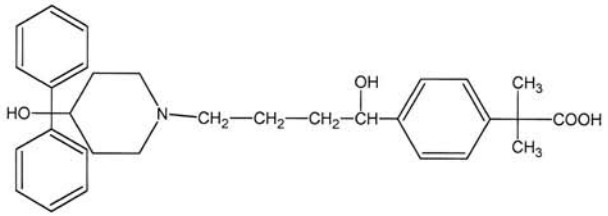

FTIR
FENTANYL PARA TOLYL ACETYL ANALOG
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A 1647
B 1506
C 1372
D 696
A
B C
D

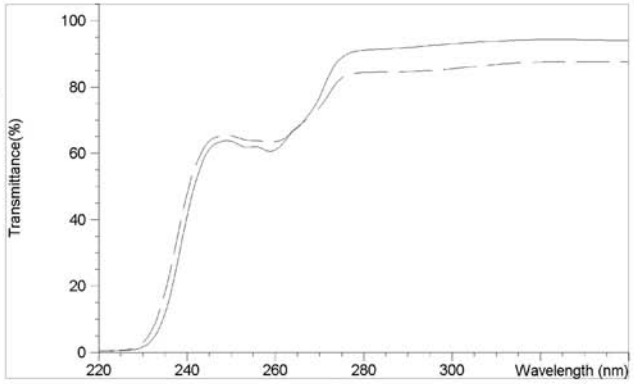
FEXOFENADINE

$C_{32}H_{39}NO_4$

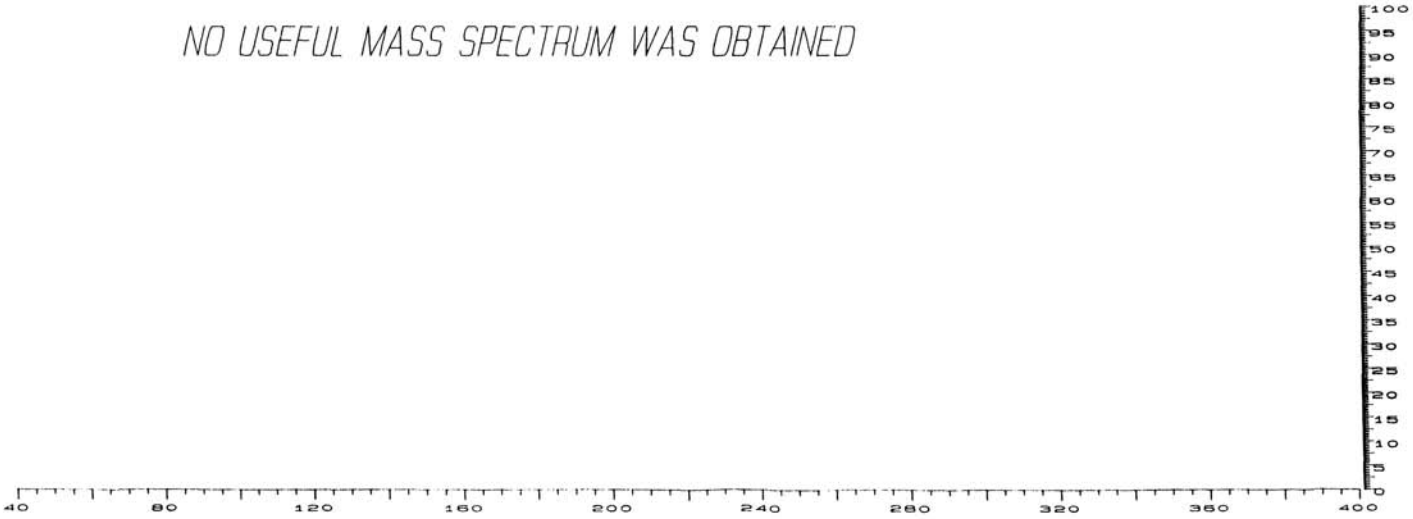
Molecular Weight: 501.66 (501.29)
Synonyms: α,α-Dimethyl-4-[1-hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]butyl]-benzeneacetic acid, carboxyterfenadine, terfenadine carboxylate

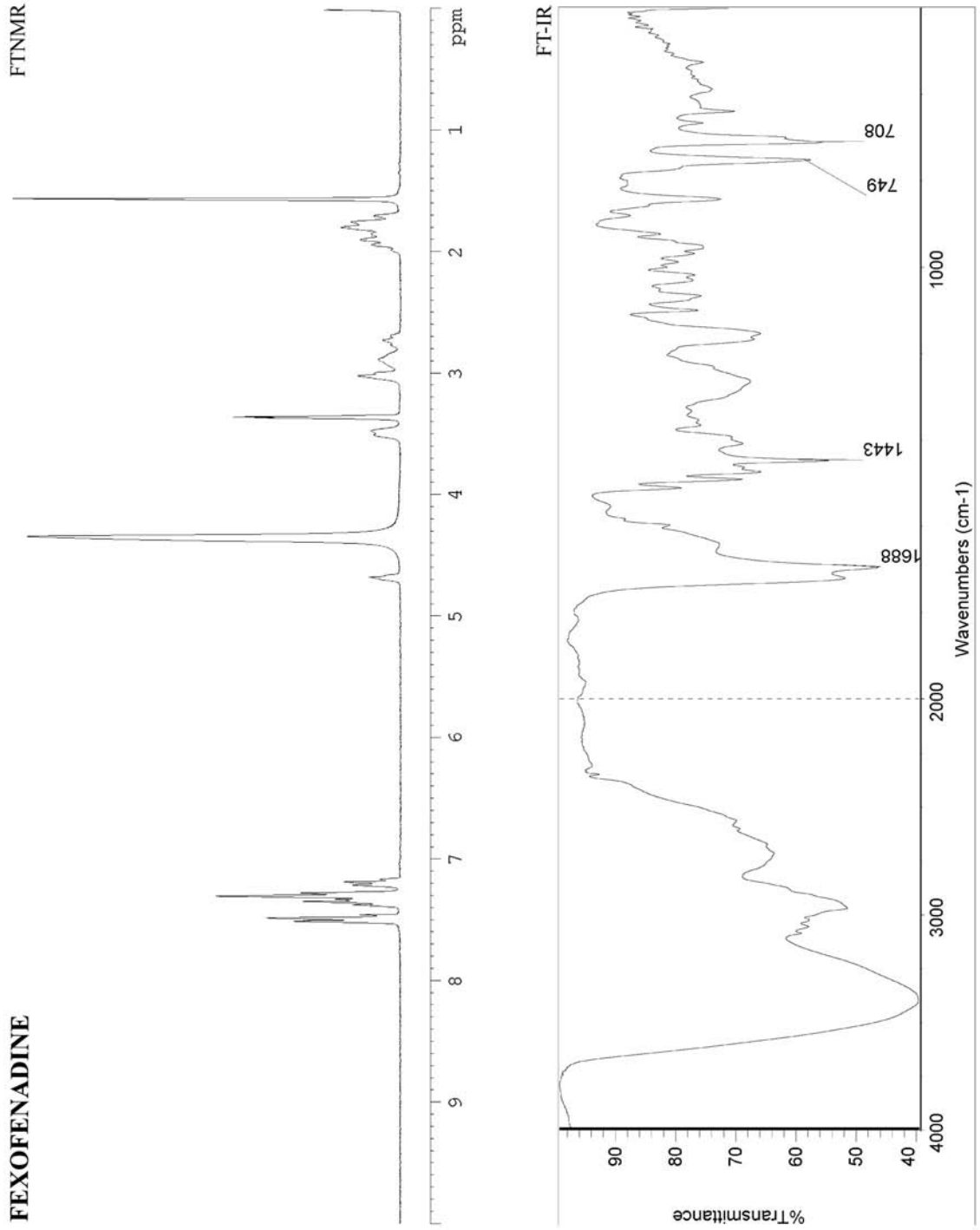
Trade names: Allegra, Telfast
Use: Antihistaminic





NO USEFUL MASS SPECTRUM WAS OBTAINED



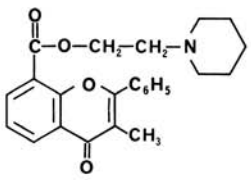

FEXOFENADINE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
%Transmittance
90
80
70
60
50
40
4000
3000
2000
1000
Wavenumbers (cm-1)
1688
1443
749
708

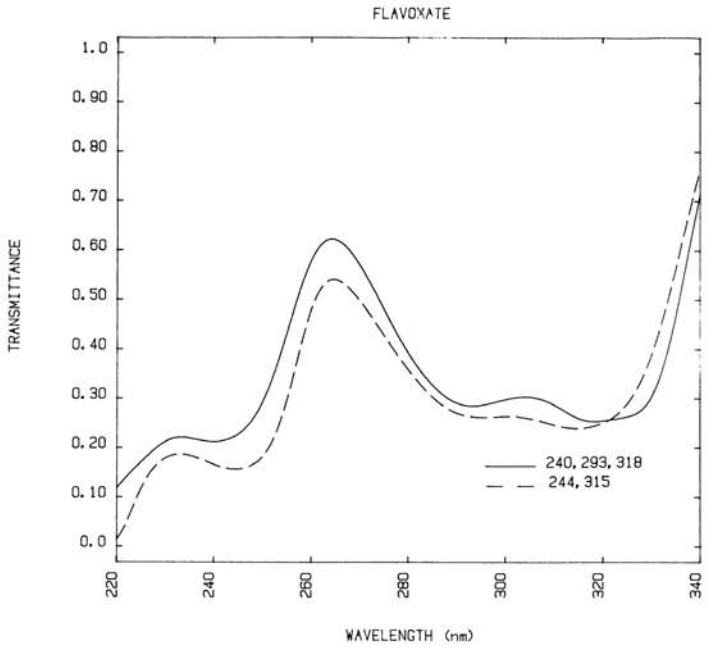
FLAVOXATE

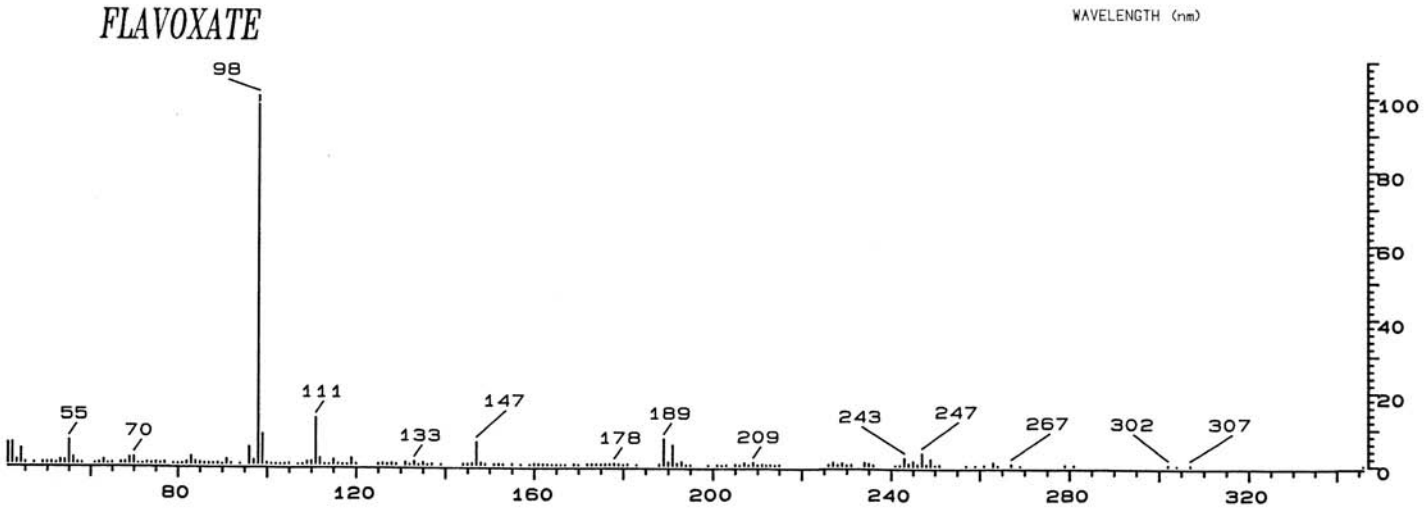
$C_{24}H_{25}NO_4$

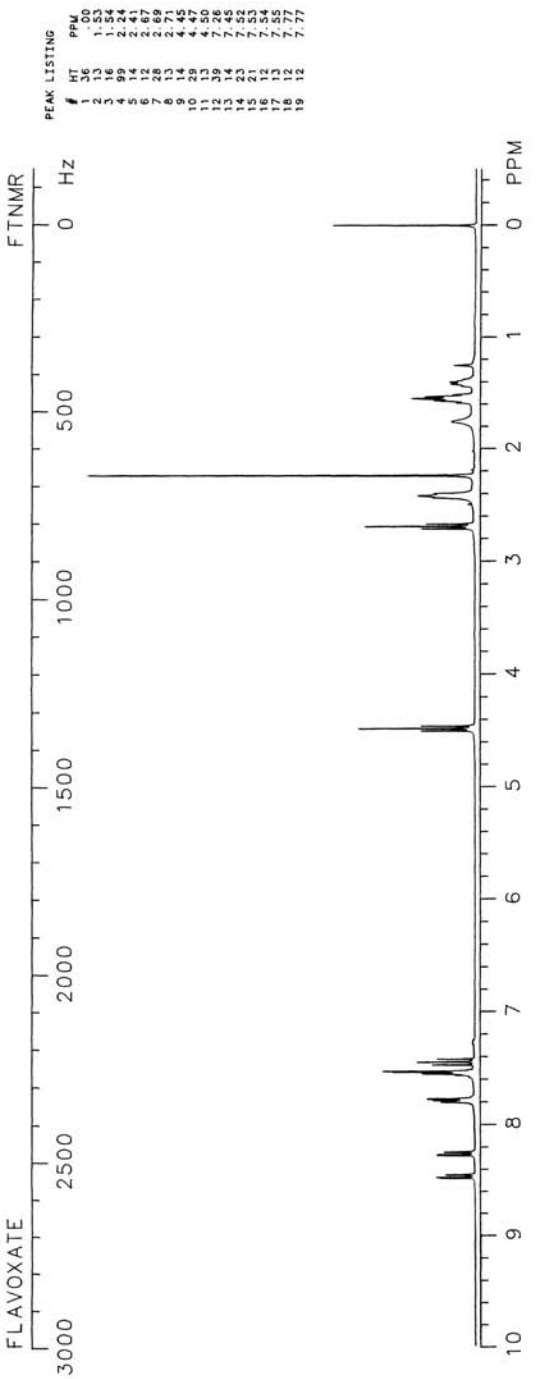
Molecular weight: 391.47 (391.18)
Synonyms: 3-Methyl-4-oxo-2-phenyl-4H-1-benzopyran-8-carboxylic acid 2-piperidinoethyl ester
Trade names: Urispas

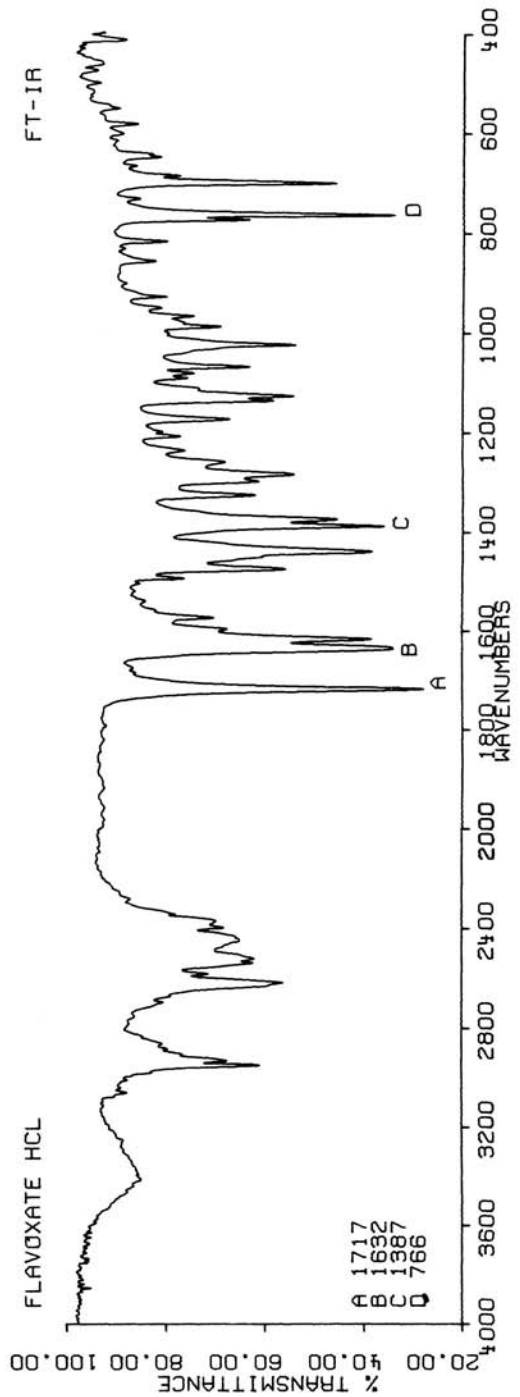
Use: Muscle relaxant
HPLC: Si-10; 2A:98B; 6.0
GC:








FLAVOXATE
FTNMR
PEAK LISTING
HT PPM
1 36 1.50
2 35 1.53
3 16 1.54
4 99 2.24
5 14 2.41
6 12 2.67
7 28 2.69
8 13 2.71
9 14 4.45
10 29 4.47
11 13 4.50
12 39 7.26
13 14 7.45
14 23 7.52
15 21 7.53
16 11 7.54
17 13 7.55
18 12 7.77
19 12 7.77
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
FLAVOXATE HCL
A 1717
B 1632
C 1387
D 766
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

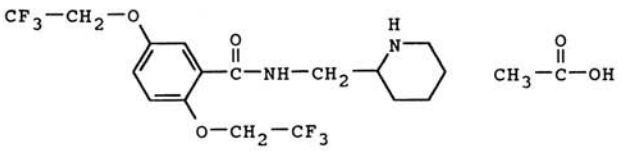
FLECAINIDE ACETATE

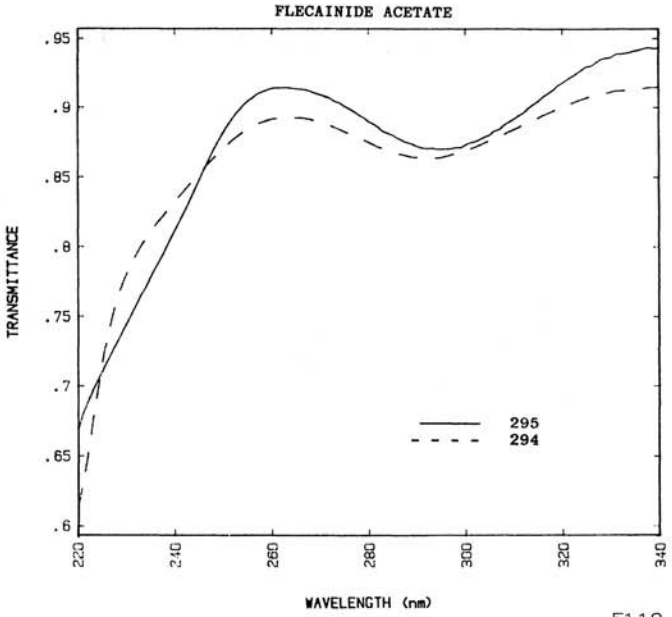
$C_{19}H_{24}F_6N_2O_5$

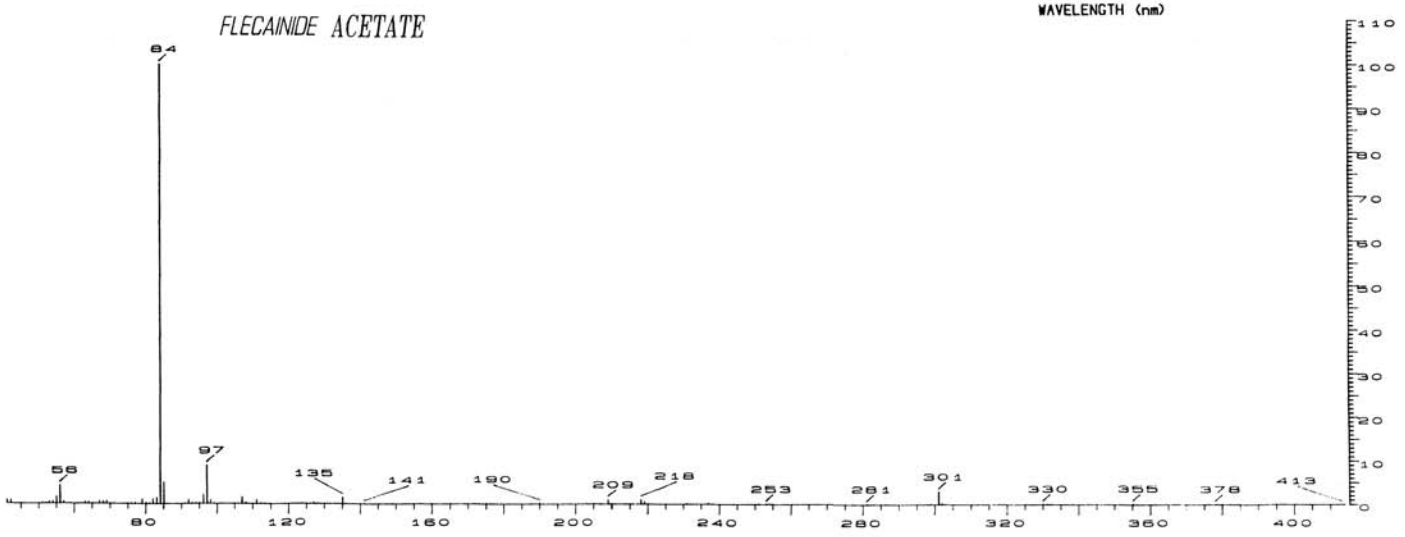
Molecular weight: 474.40 (474.16)

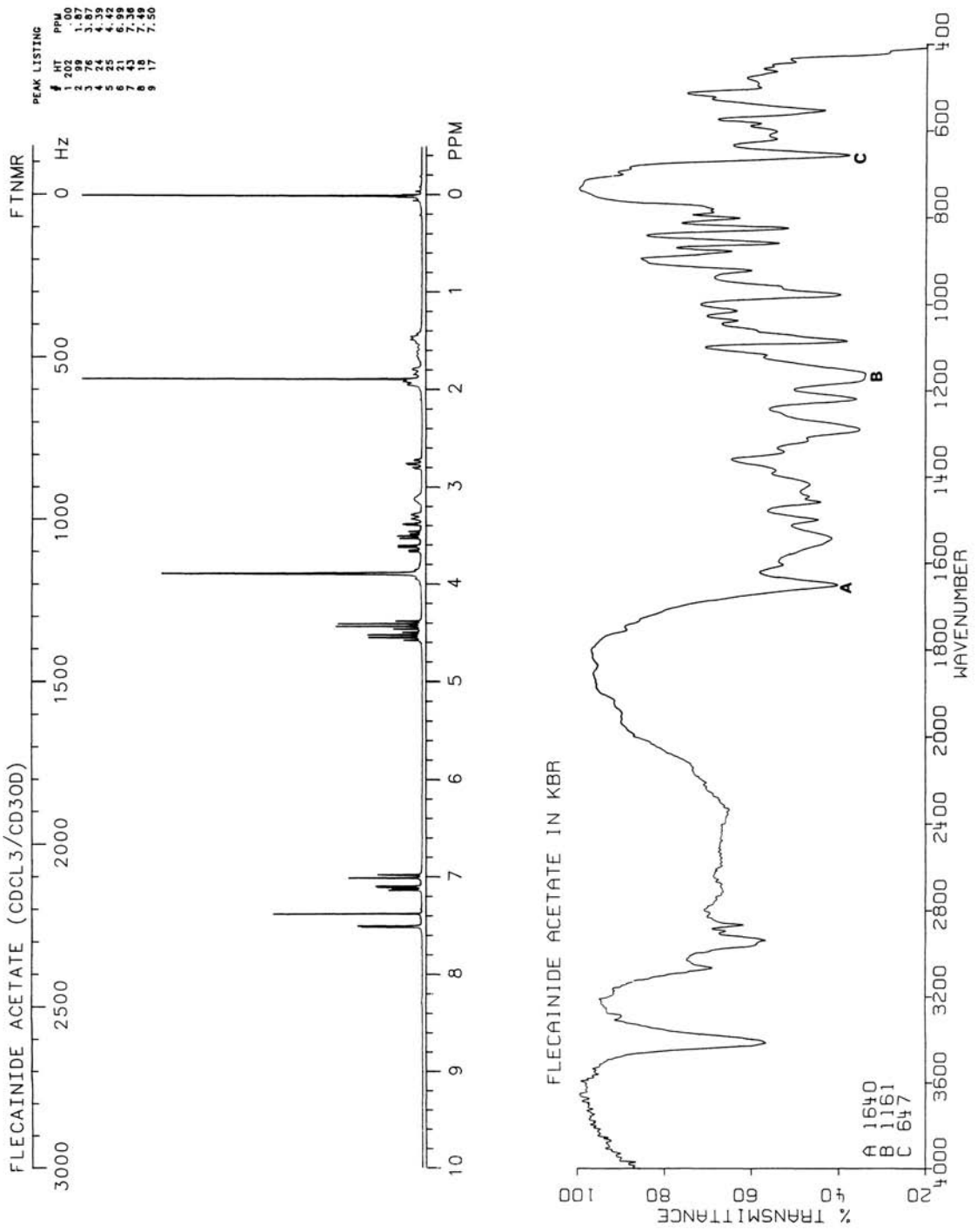
Synonyms: N-(2-Piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)benzamide acetate
Trade names: Almarytm, Apocard, Modicard, Tambocor

Use: Cardiac depressant
HPLC: 80A:20C; 2.2
GC: 2245; 280°








FLECAINIDE ACETATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 202 .00
2 99 1.87
3 76 3.87
4 74 4.19
5 25 4.32
6 21 6.99
7 43 7.36
8 18 7.49
9 17 7.50
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLECAINIDE ACETATE IN KBR
A 1640
B 1161
C 647
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

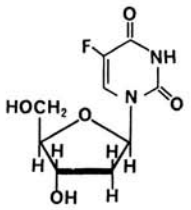
FLOXURIDINE

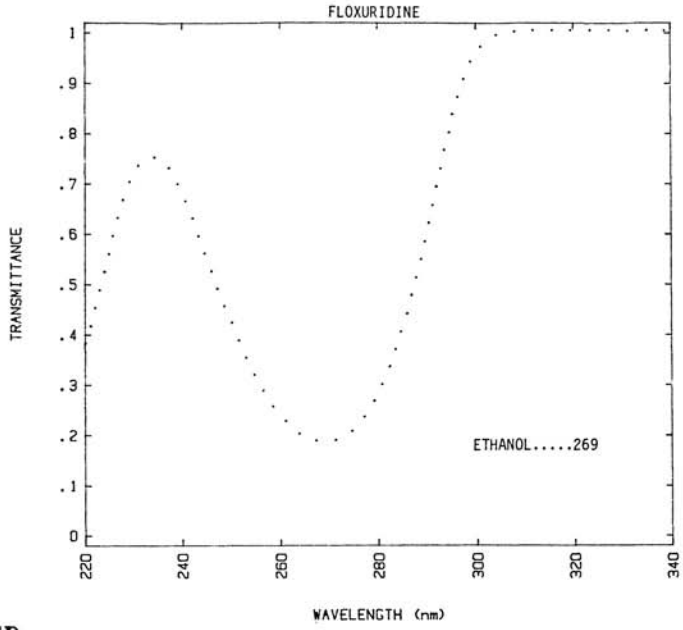
$C_9H_{11}FN_2O_5$

Molecular weight: 246.21 (246.07)
Synonyms: 2'-Deoxy-5-fluorouridine; 5-fluoro-2'-deoxy-β-uridine

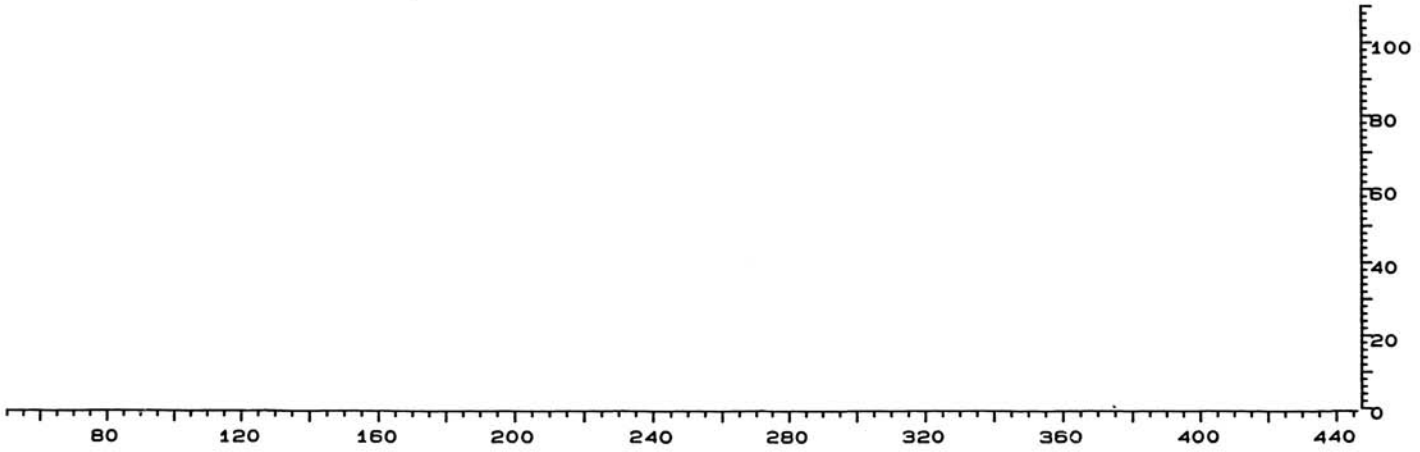
Trade names: FUDR

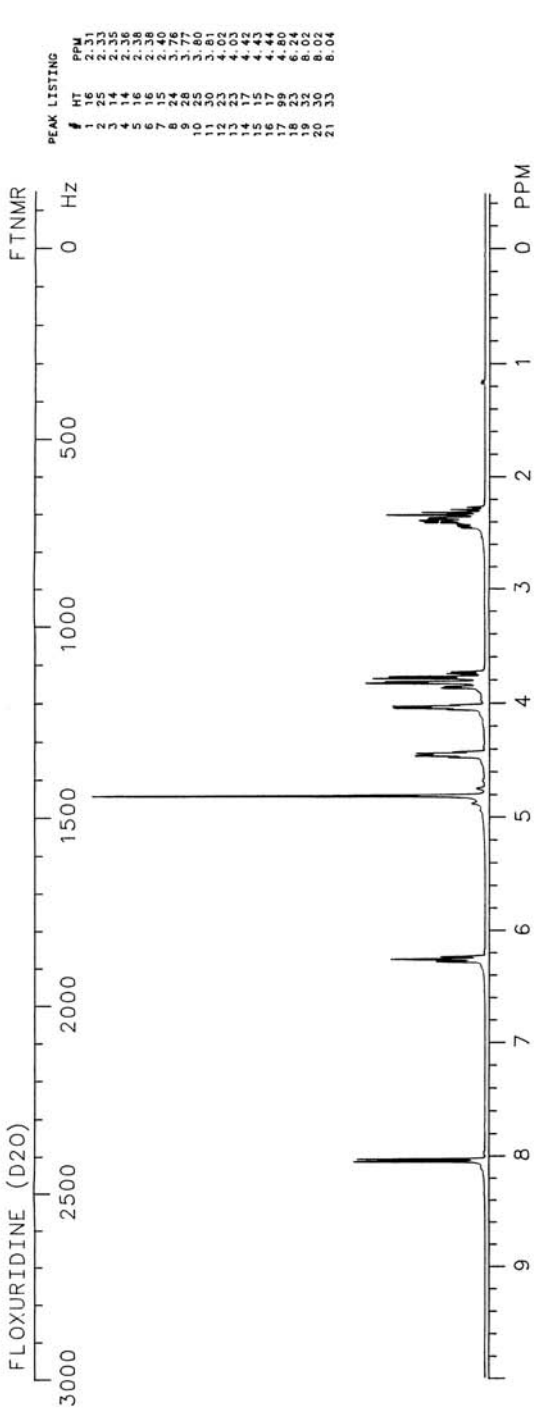
Use: Antiviral
HPLC: Si-10; 5A:95B; 10.0
GC:

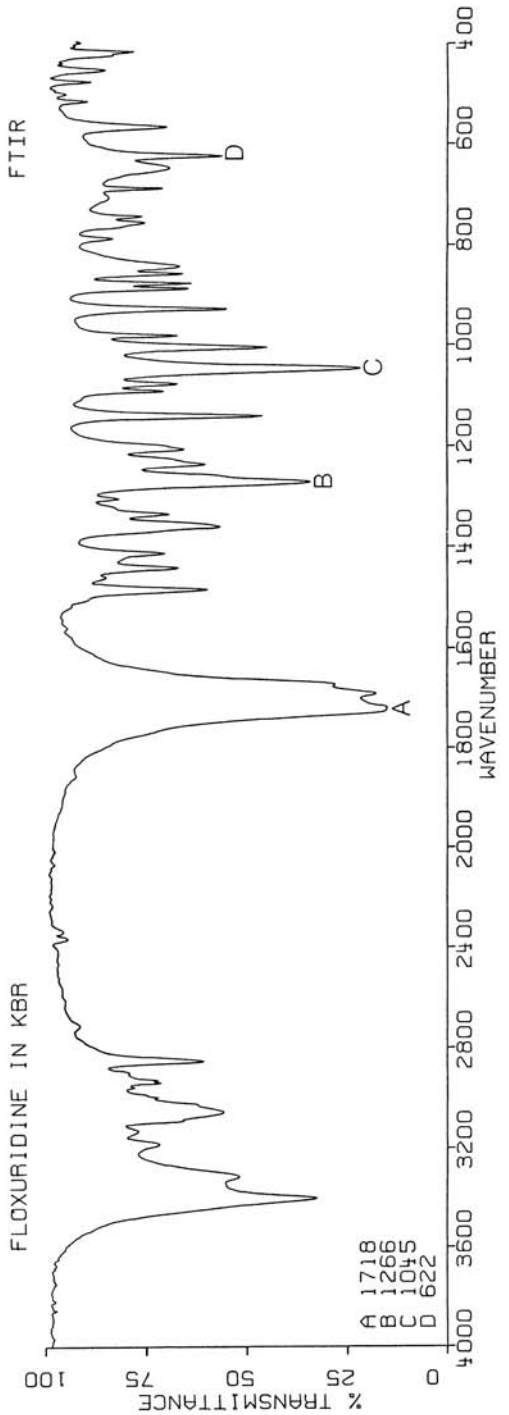




NO USEFUL MASS SPECTRUM WAS OBTAINED




FLOXURIDINE (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 16 2.31
2 25 2.33
3 14 2.35
4 14 2.36
5 16 2.38
6 16 2.38
7 15 2.40
8 24 3.76
9 28 3.77
10 25 3.80
11 20 3.81
12 23 4.02
13 23 4.03
14 17 4.42
15 15 4.43
16 17 4.44
17 99 4.80
18 23 6.24
19 32 8.02
20 30 8.02
21 33 8.04

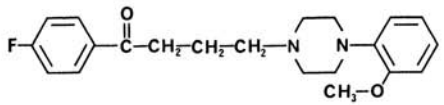

FLOXURIDINE IN KBR
FTIR
A 1718
B 1266
C 1045
D 622
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

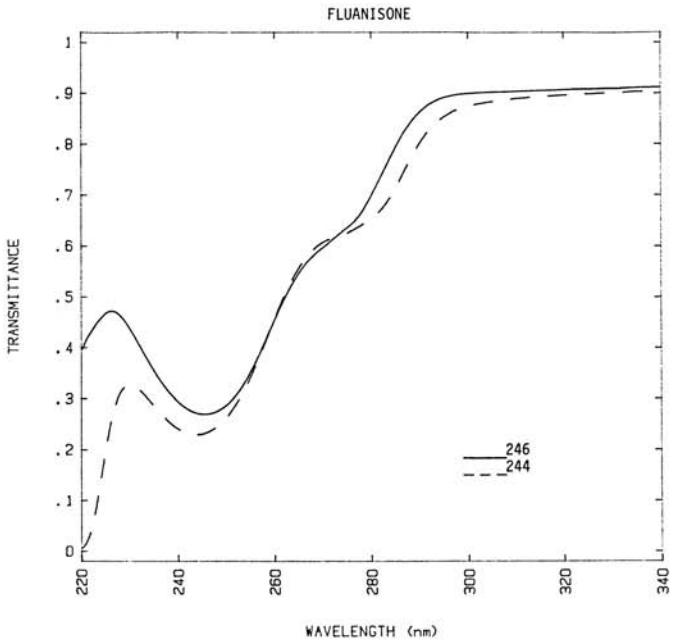
FLUANISONE

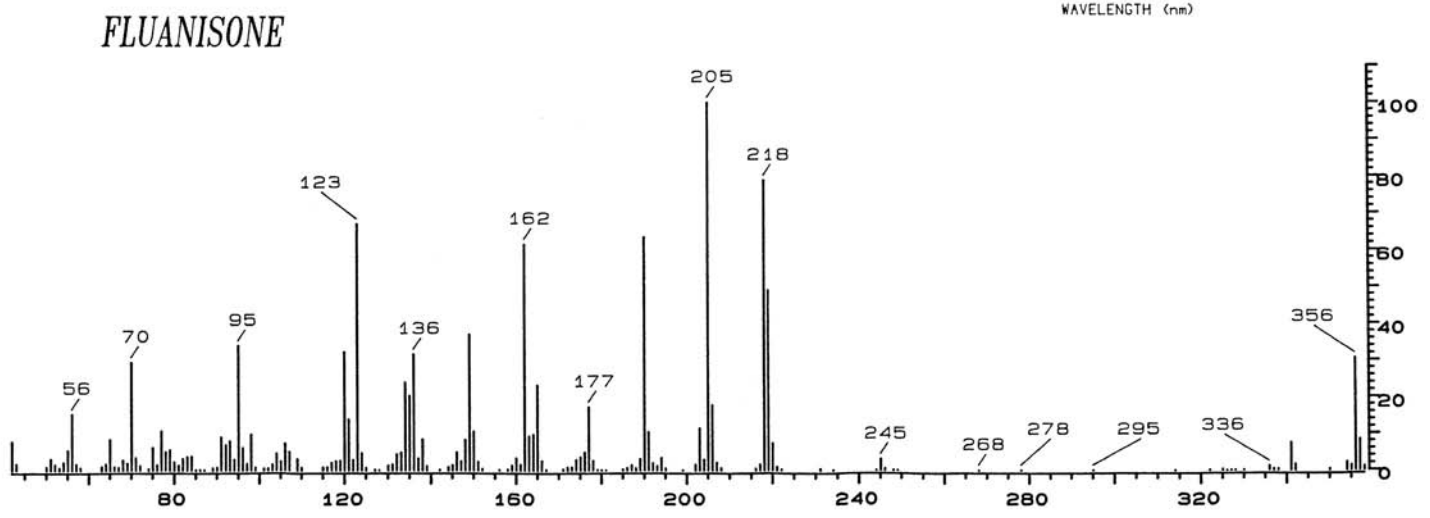
$C_{21}H_{25}FN_2O_2$

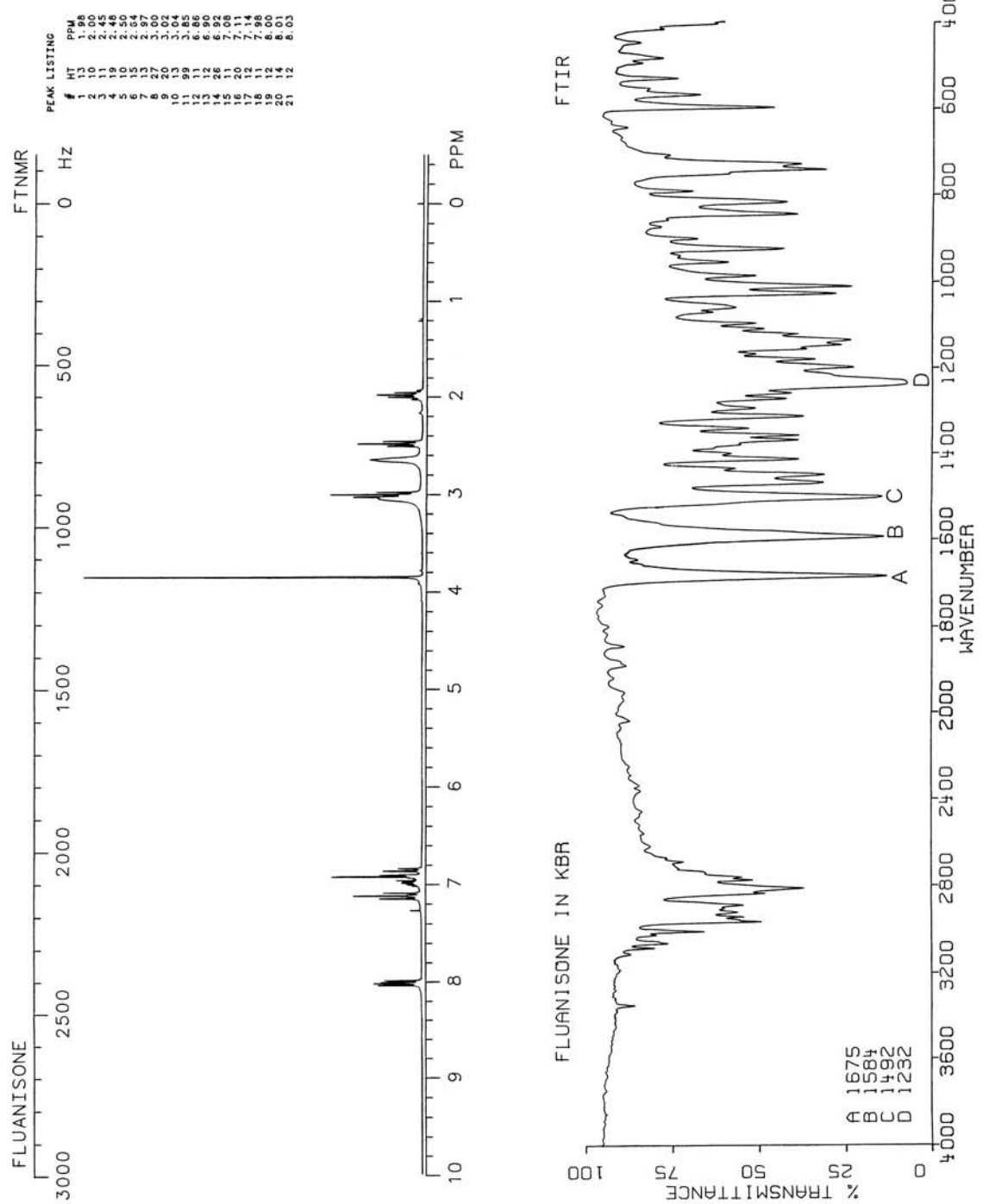
Molecular weight: 356.45 (356.19)
Synonyms: 1-(4-Fluorophenyl)-4-[4-(2-methoxyphenyl)-1-piperazinyl]-1-butanone; haloanisone
Trade names: Sedalande

Use: Neuroleptic
HPLC:
GC: 2800; 280°C








FLUANISONE
FTNMR
PEAK LISTING
HT PPM
1 13 1.88
2 10 2.00
3 11 2.45
4 19 2.46
5 10 2.50
6 15 2.64
7 13 2.97
8 27 3.00
9 20 3.02
10 13 3.04
11 99 3.85
12 11 6.86
13 12 6.90
14 26 6.92
15 11 7.08
16 10 7.11
17 12 7.14
18 11 7.98
19 12 8.00
20 14 8.01
21 12 8.03
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUANISONE IN KBR
FTIR
A 1675
B 1584
C 1492
D 1232
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

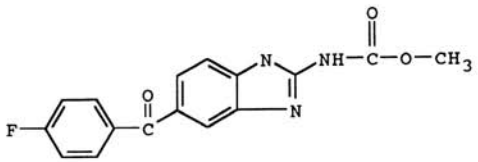
FLUBENDAZOLE

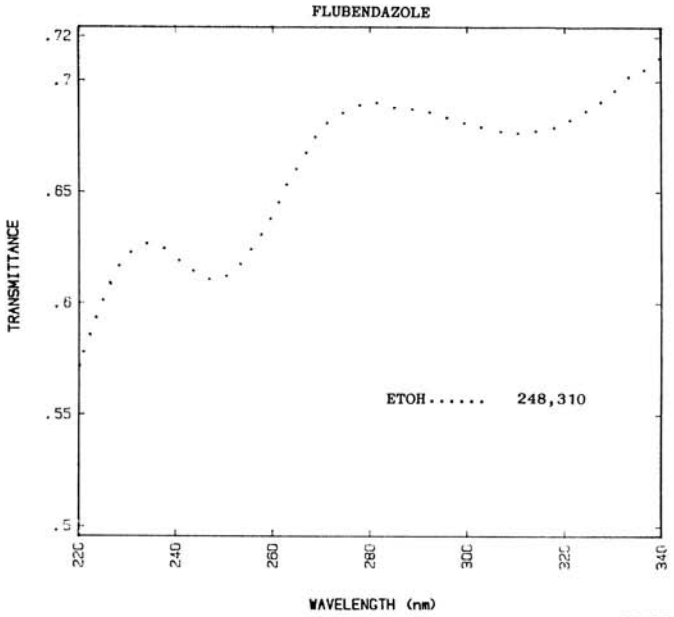
$C_{16}H_{12}FN_3O_3$

Molecular weight: 313.30 (313.09)

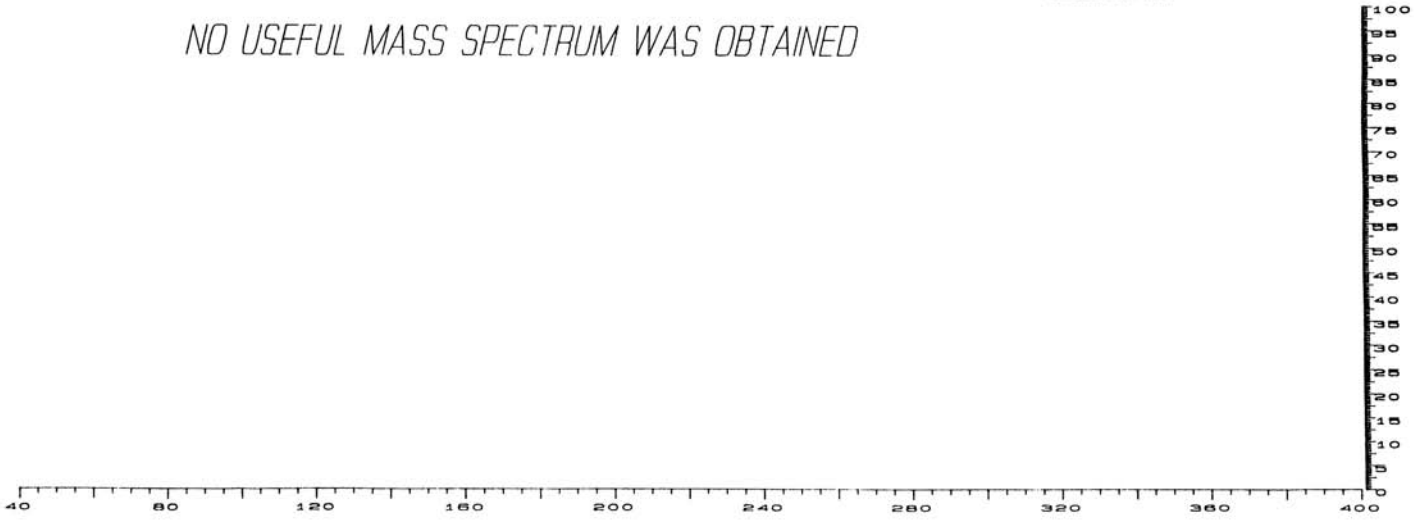
Synonyms: [S-(4-Fluorobenzoyl)-1H-benzimidazol-2-yl]carbamic acid methyl ester
Trade names: Flubenol, Flumoxal, Flumoxane, Fluvermal

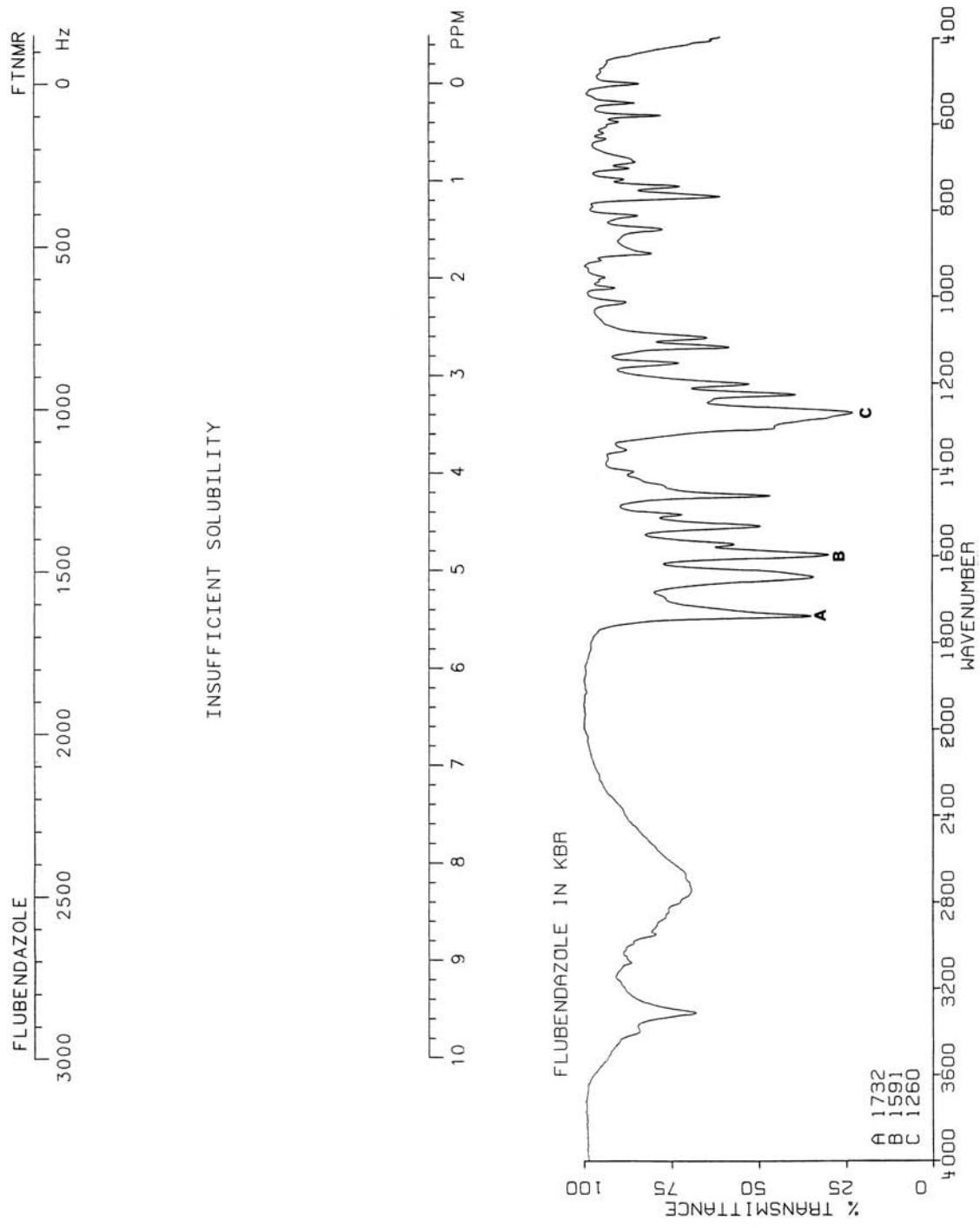
Use: Anthelmintic
HPLC: 70A:30B; 5.0
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




FLUBENDAZOLE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUBENDAZOLE IN KBR
A 1732
B 1591
C 1260
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

FLUCONAZOLE

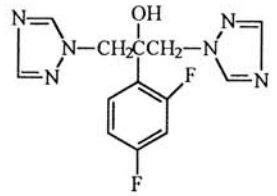
$C_{13}H_{12}F_2N_6O$

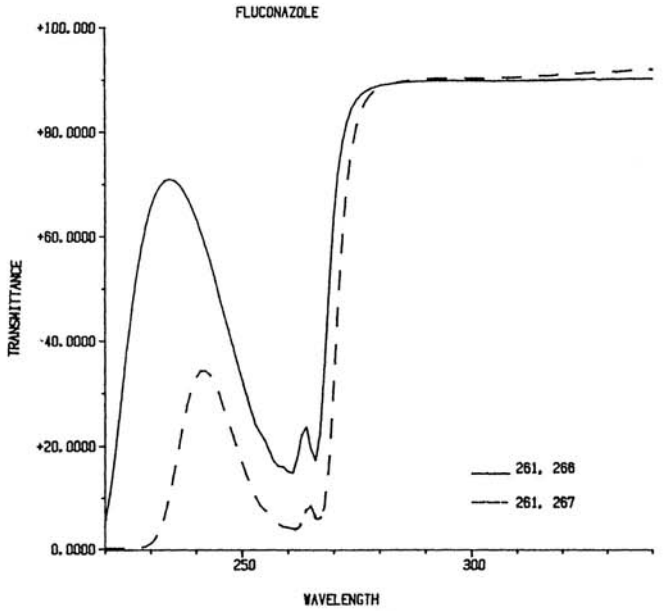
Molecular Weight: 306.27 (306.10)

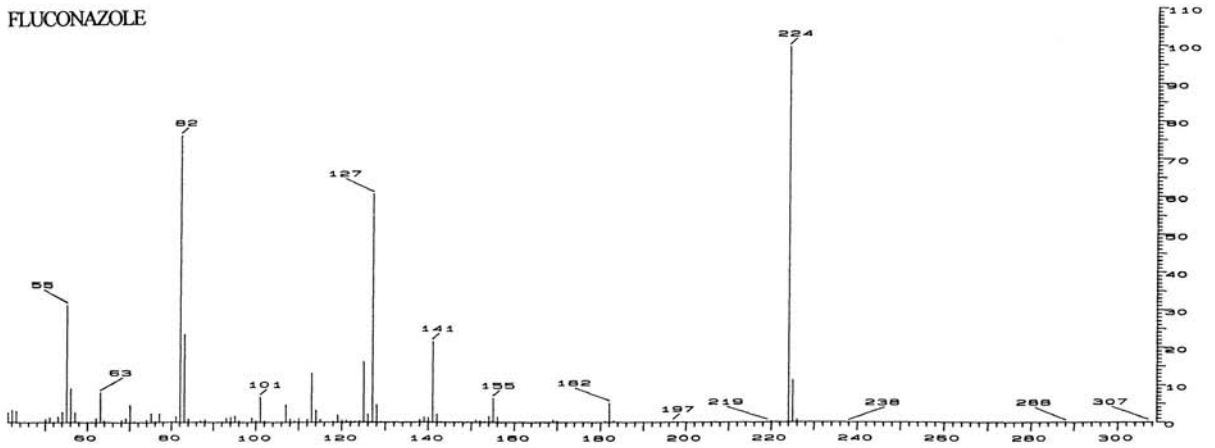
Synonyms: α-(2,4-Difluorophenyl)-α-(1H-1,2,4-driazol-1-ylmethyl)-1H-1,2,4-triazole-1-ethanol
Trade Names: Diflucan, Triblucan

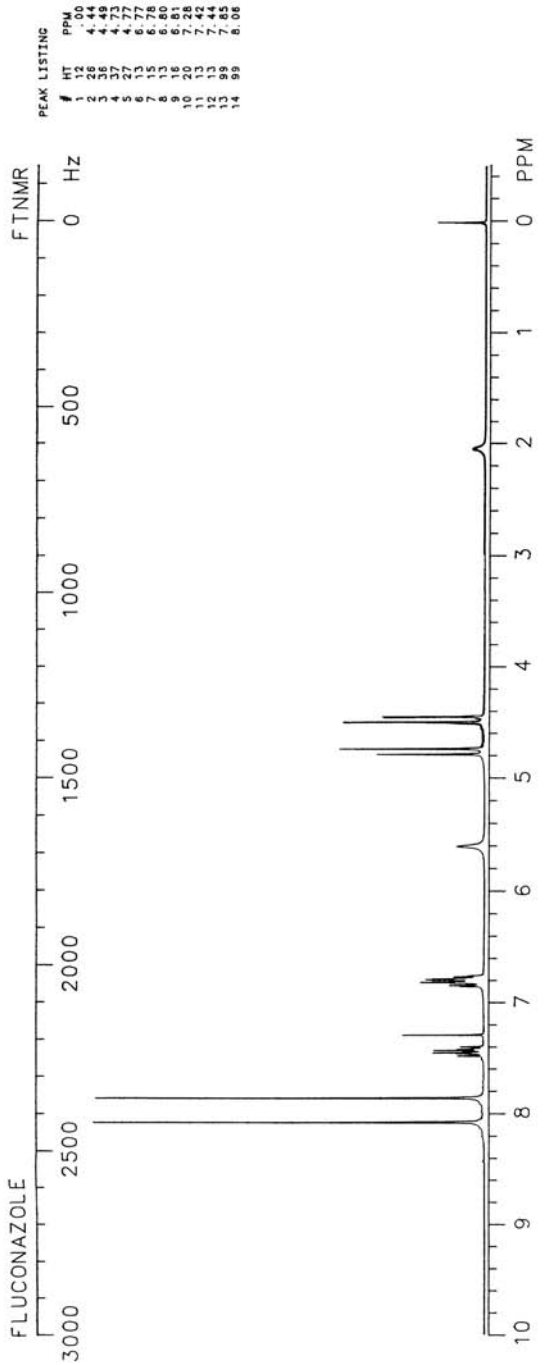
Use: Antifungal

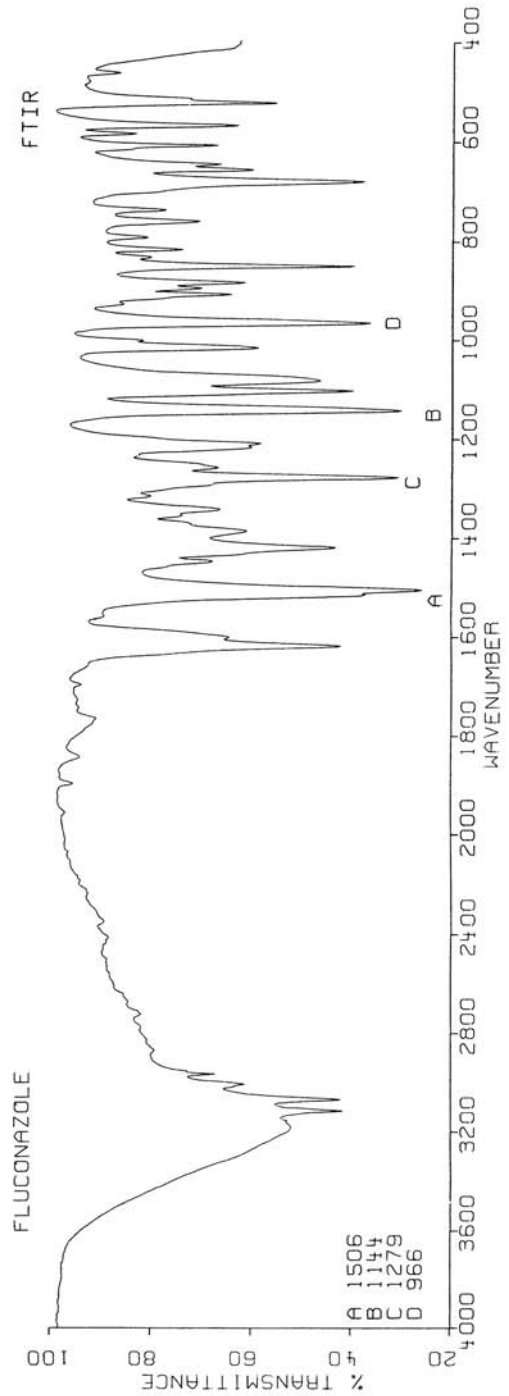
HPLC: Methanol: 2.4
GC: 2137; 250°








FLUCONAZOLE
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 4.00
2 28 4.44
3 36 4.49
4 37 4.73
5 27 4.77
6 13 6.77
7 15 6.78
8 13 6.80
9 16 6.81
10 20 7.28
11 13 7.42
12 13 7.44
13 99 7.85
14 99 8.06

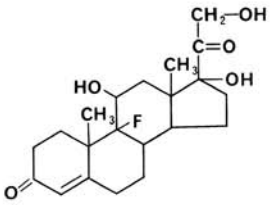

FLUCONAZOLE
FTIR
% TRANSMITTANCE
100
80
60
40
20
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D
A 1506
B 1144
C 1279
D 966

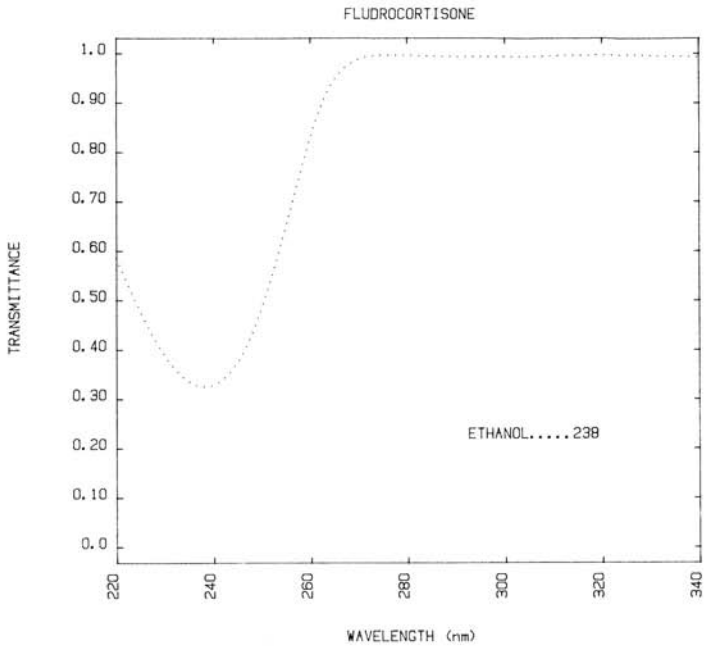
FLUDROCORTISONE

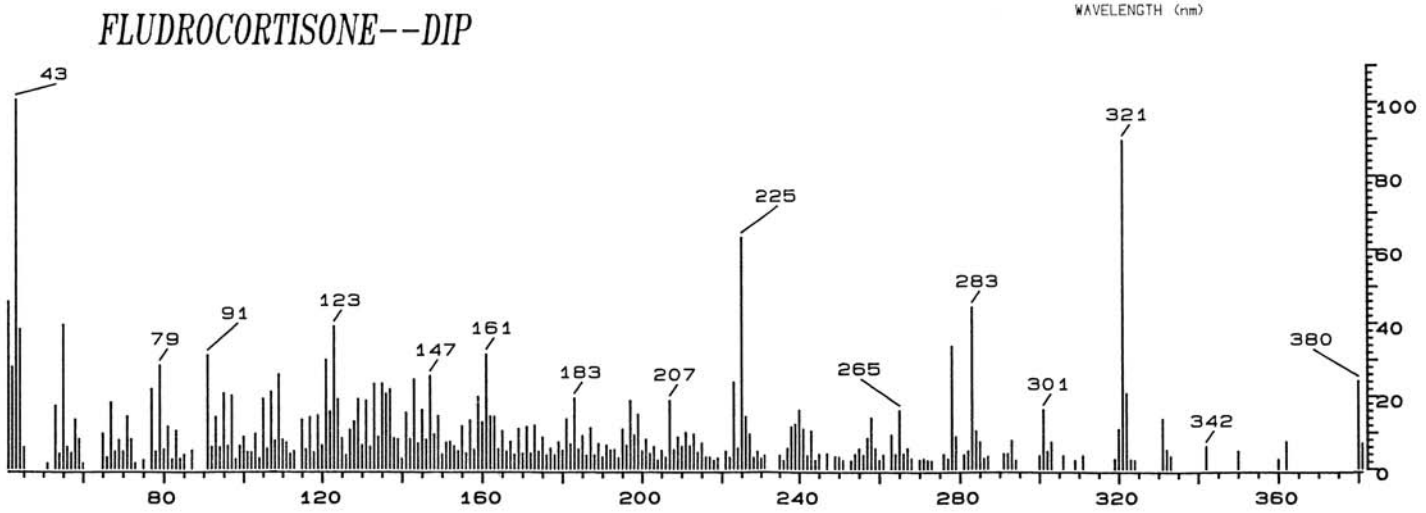
$C_{21}H_{29}FO_5$

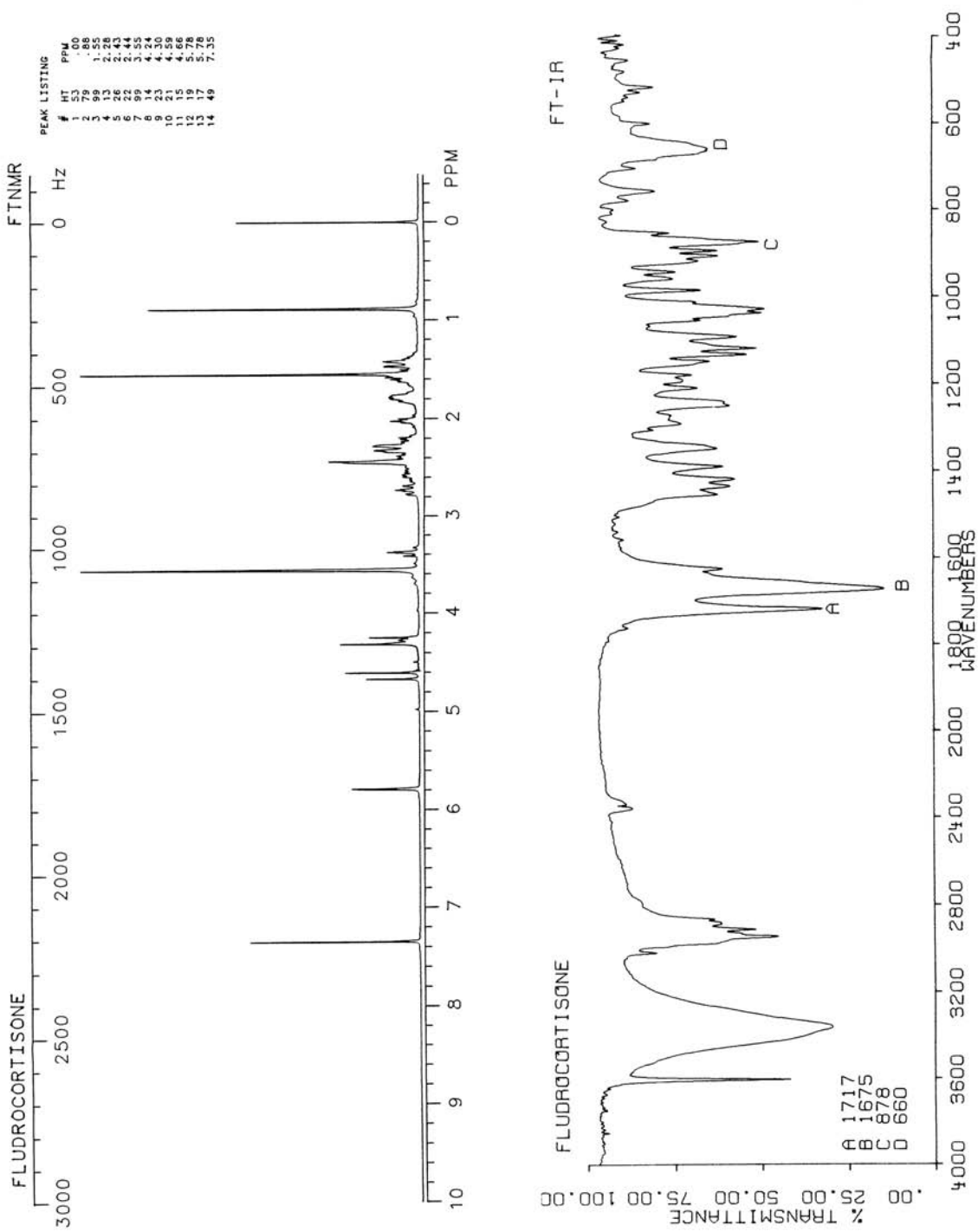
Molecular weight: 380.46 (380.20)
Synonyms: 9-Fluoro-11β,17,21-trihydroxy-pregn-4-ene-3,20-dione; 9α-fluorocortisol; fluodrocortisone; fluohydrisone
Trade names: Florinef

Use: Anti-inflammatory
HPLC:
GC:





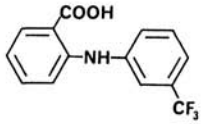


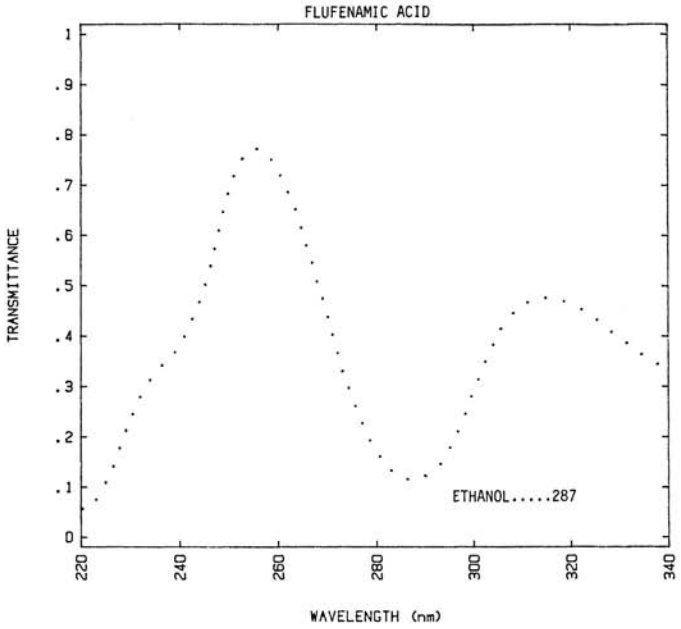

FLUDROCORTISONE
FTNMR
PEAK LISTING
HT PPM
1 53 .00
2 79 .88
3 79 1.55
4 13 2.20
5 26 2.43
6 22 2.44
7 99 3.55
8 14 4.24
9 23 4.30
10 21 4.69
11 15 4.86
12 19 5.78
13 17 5.78
14 49 7.35
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUDROCORTISONE
FT-IR
A 1717
B 1675
C 878
D 660
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

FLUFENAMIC ACID

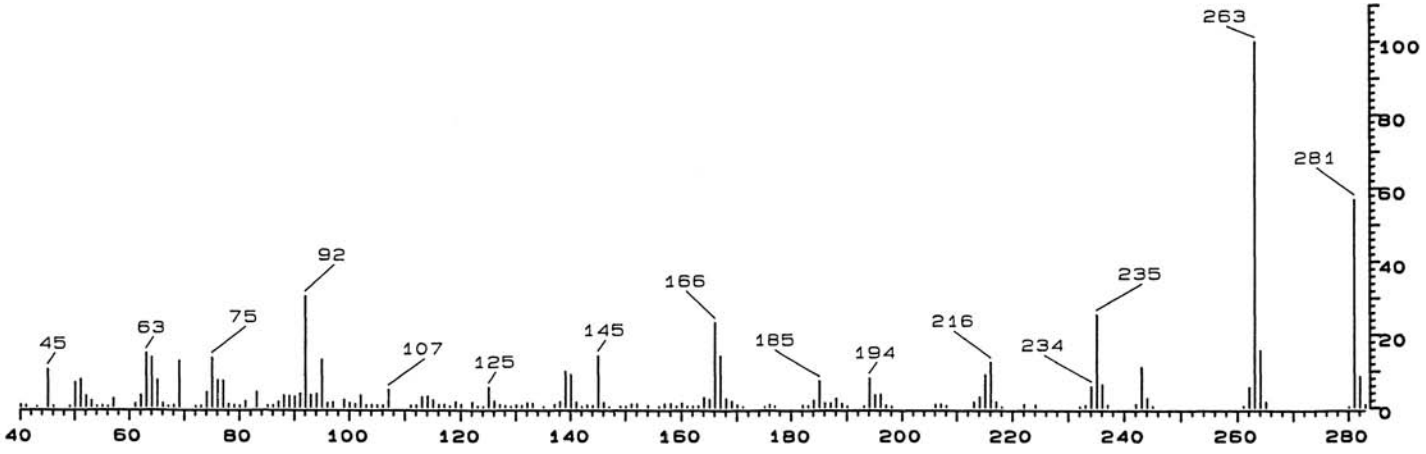
$C_{14}H_{10}F_3NO_2$

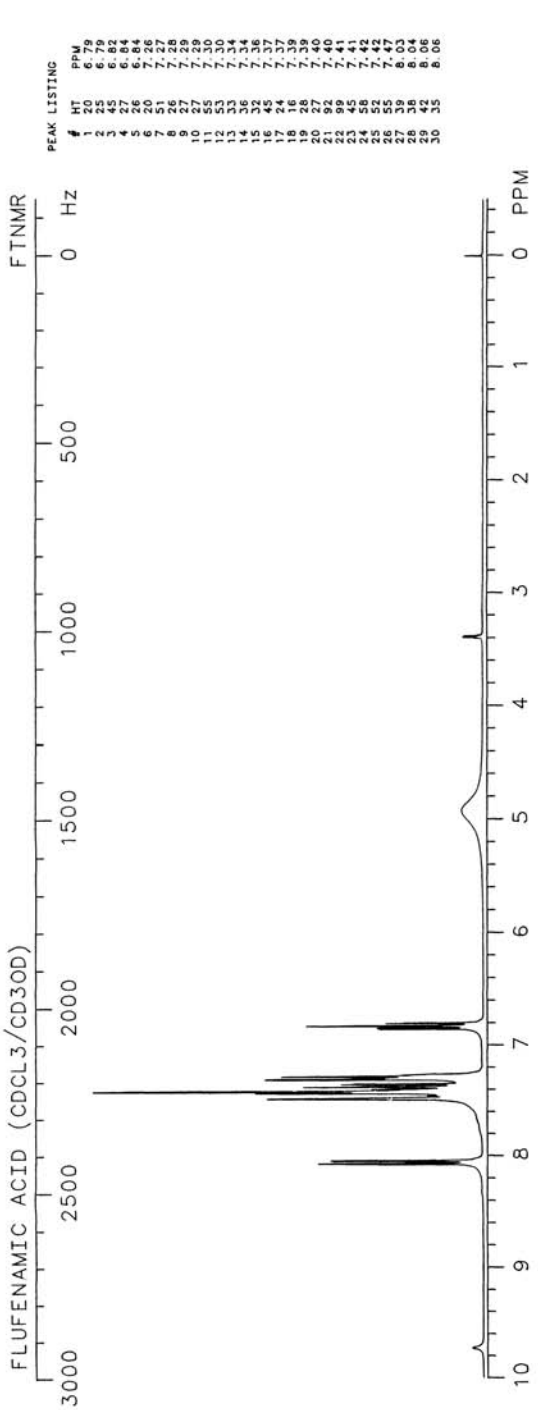
Molecular weight: 281.24 (281.07)
Synonyms: 2-[[3-(Trifluoromethyl)phenyl]amino]benzoic acid;
N-(α,α,α-trifluoro-m-tolyl)anthranilic acid
Trade names: Achless, Alfenamin, Ansatin, Arlef, Meralen, Opyrin, Parlef, Paraflu, Ristogen, Surika, Tecramine
Use: Anti-inflammatory, analgesic
HPLC: Si-10; 10A:90B; 4.7
GC: 1549; 200°C

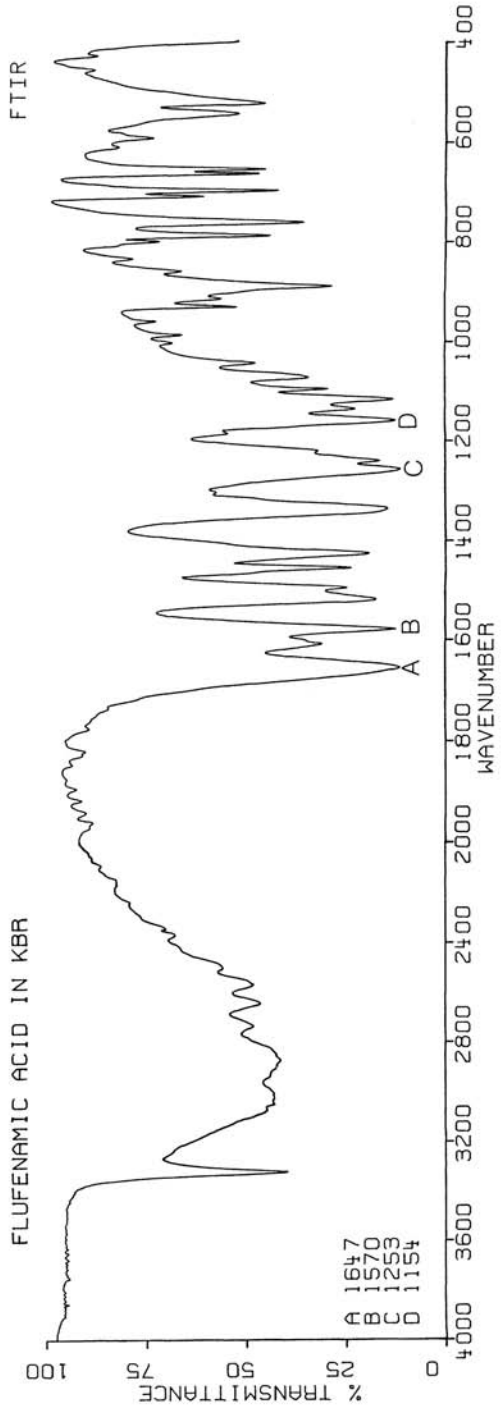




FLUFENAMIC ACID -- DIP




FLUFENAMIC 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 20 6.79
2 25 6.79
3 45 6.82
4 27 6.84
5 26 6.84
6 20 7.26
7 51 7.27
8 26 7.28
9 27 7.29
10 27 7.29
11 55 7.30
12 53 7.30
13 34 7.34
14 36 7.36
15 32 7.36
16 45 7.37
17 24 7.37
18 16 7.39
19 28 7.39
20 27 7.40
21 92 7.41
22 99 7.41
23 45 7.41
24 58 7.42
25 52 7.42
26 55 7.47
27 38 8.03
28 36 8.04
29 42 8.06
30 35 8.06


FLUFENAMIC ACID IN KBR
FTIR
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 1647
B 1570
C 1253
D 1154

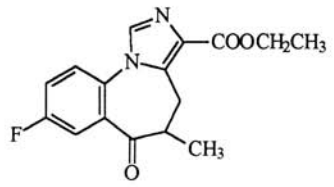
FLUMAZENIL

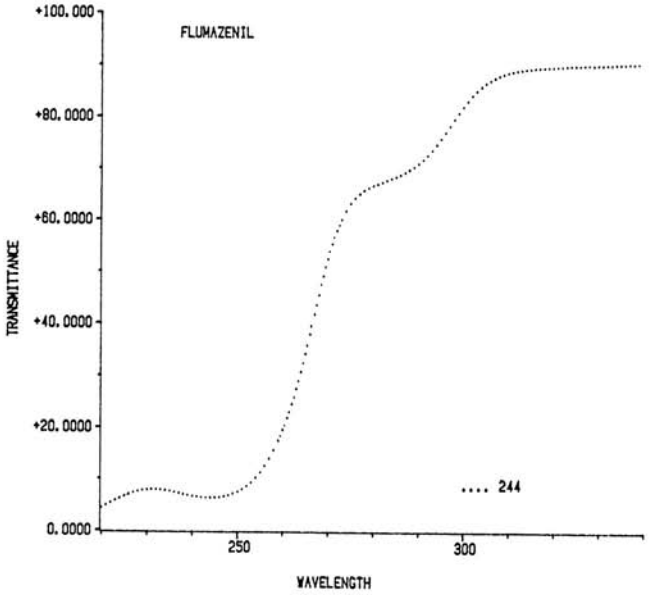
$C_{15}H_{14}FN_3O_3$

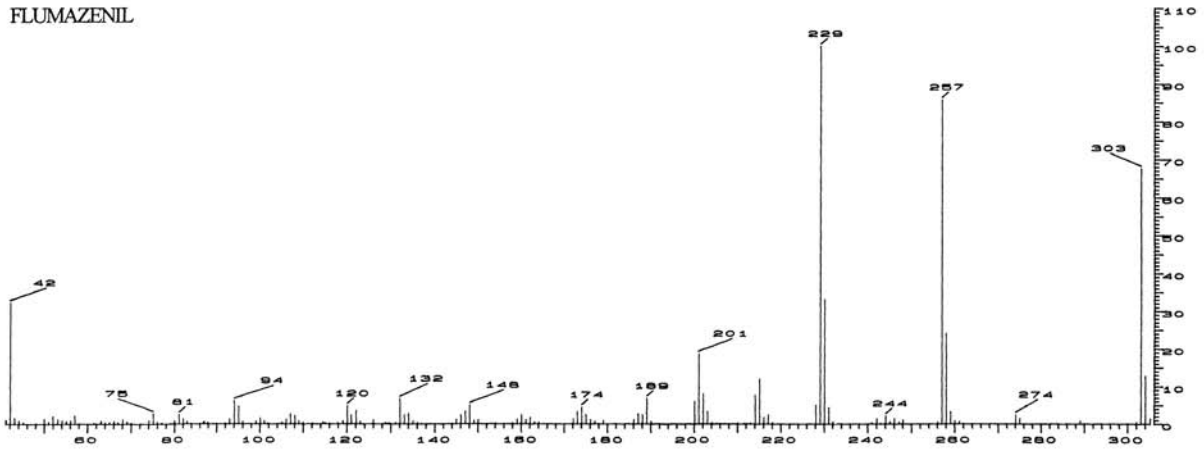
Molecular Weight: 303.29 (303.10)

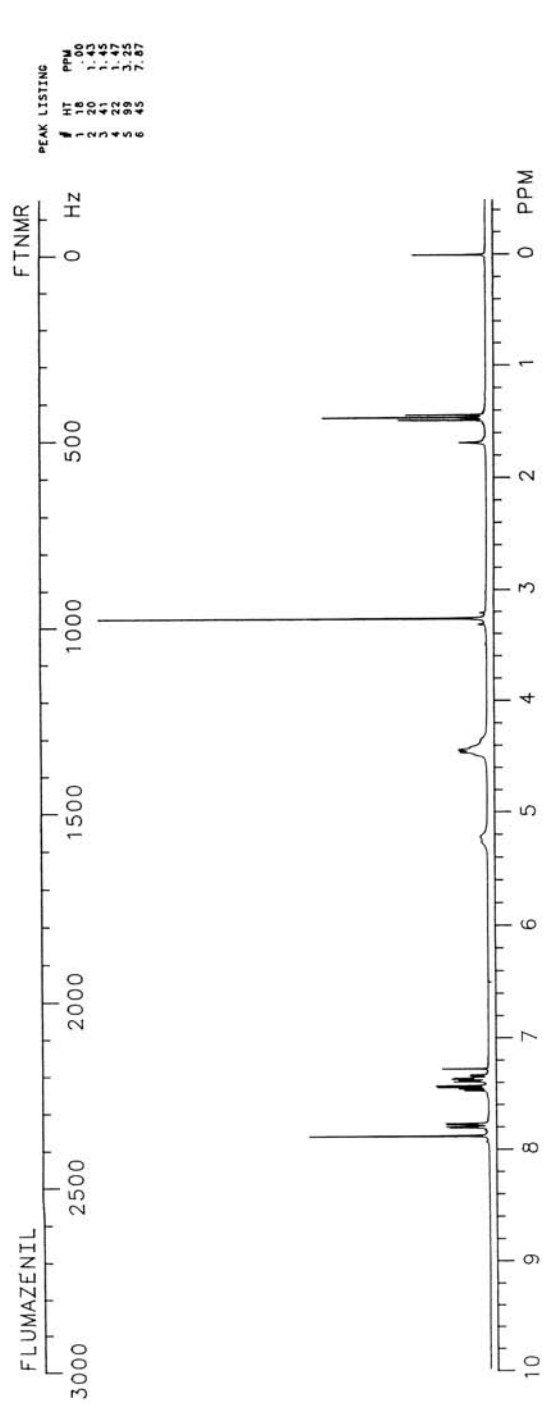
Synonyms: 8-Fluoro-5,6-dihydro-5-methyl-6-oxo-4H-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylic acid ethyl ester; flumazepil
Trade Names: Anexate, Lanexat
Use: Benzodiazepine antagonist

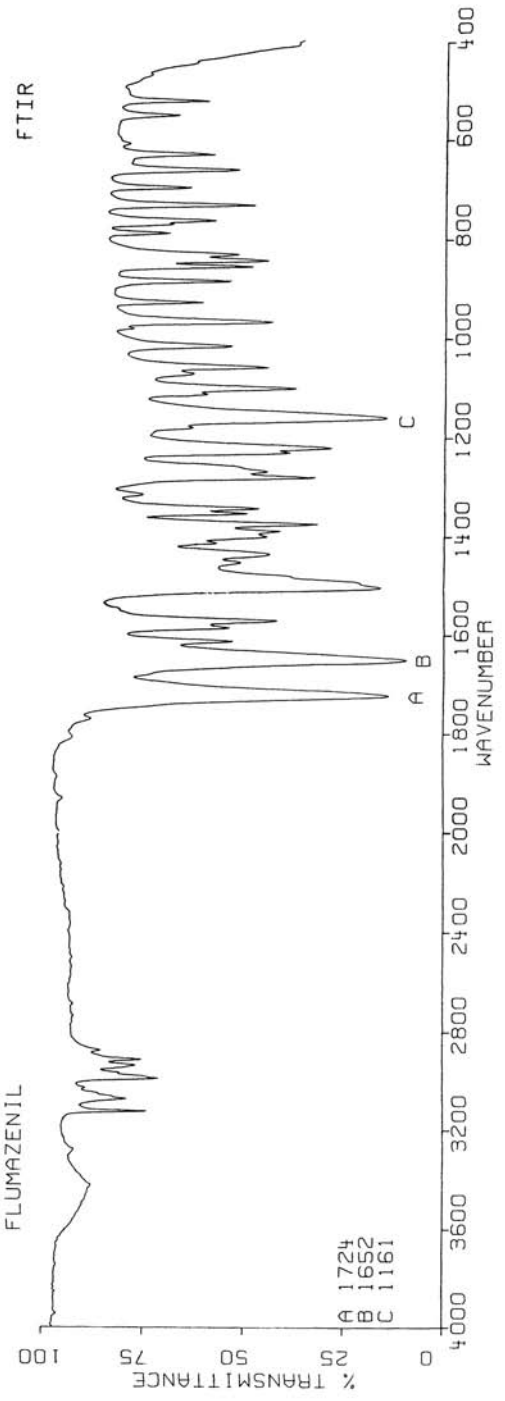
HPLC: Methanol: 3.4
GC: 2514; 250°








FLUMAZENIL
FTNMR
PEAK LISTING
HT PPM
1 16 1.00
2 20 1.43
3 41 1.45
4 22 1.47
5 99 3.25
6 45 7.87
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

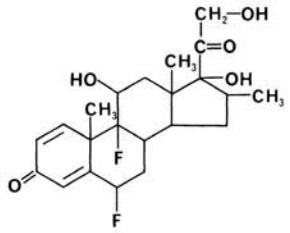

FTIR
FLUMAZENIL
A 1724
B 1652
C 1161
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C

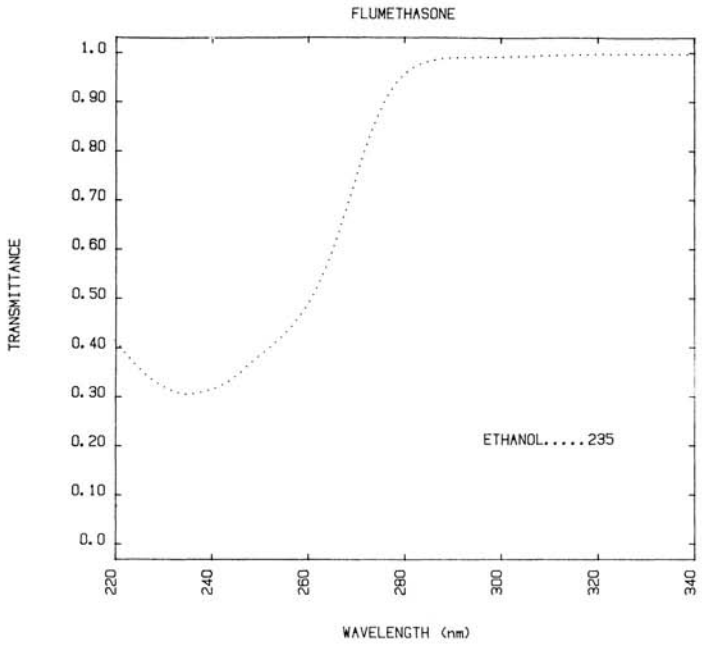
FLUMETHASONE

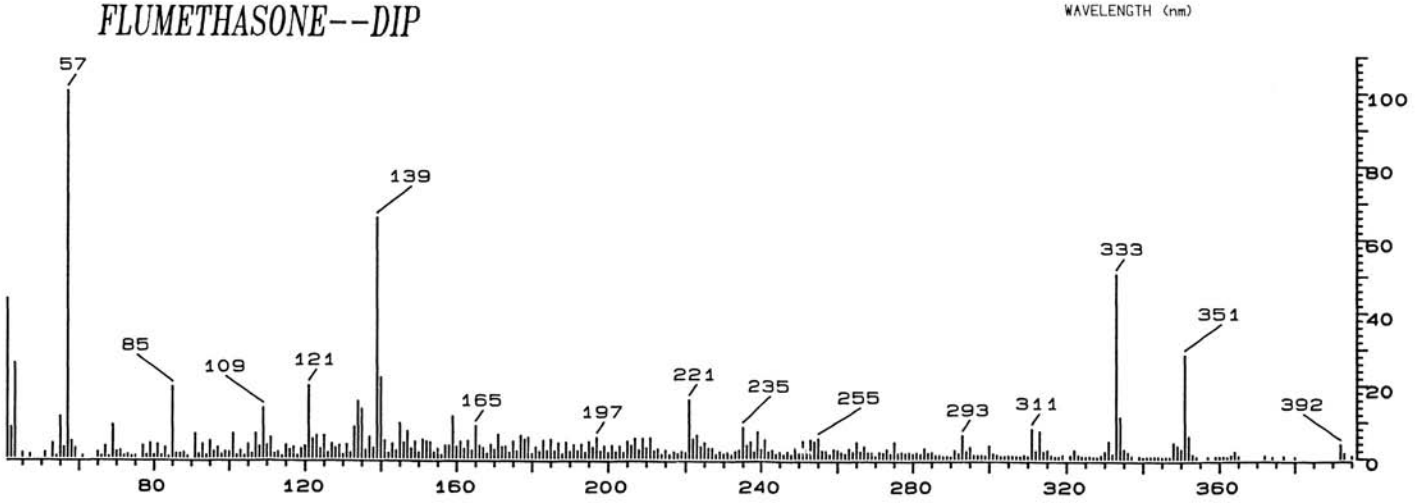
$C_{22}H_{28}F_2O_5$

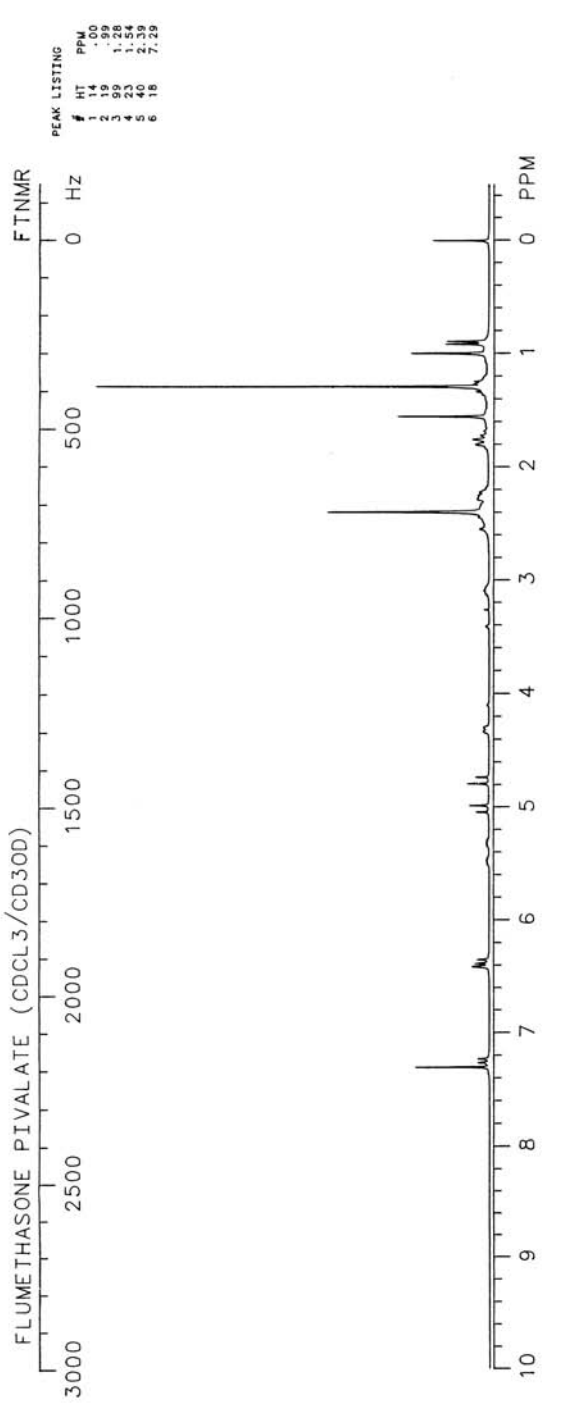
Molecular weight: 410.46 (410.19)
Synonyms: 6 ,9-Difluoro-11β,17α,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione; 6α-fluorodexamethasone
Trade names: Locorten

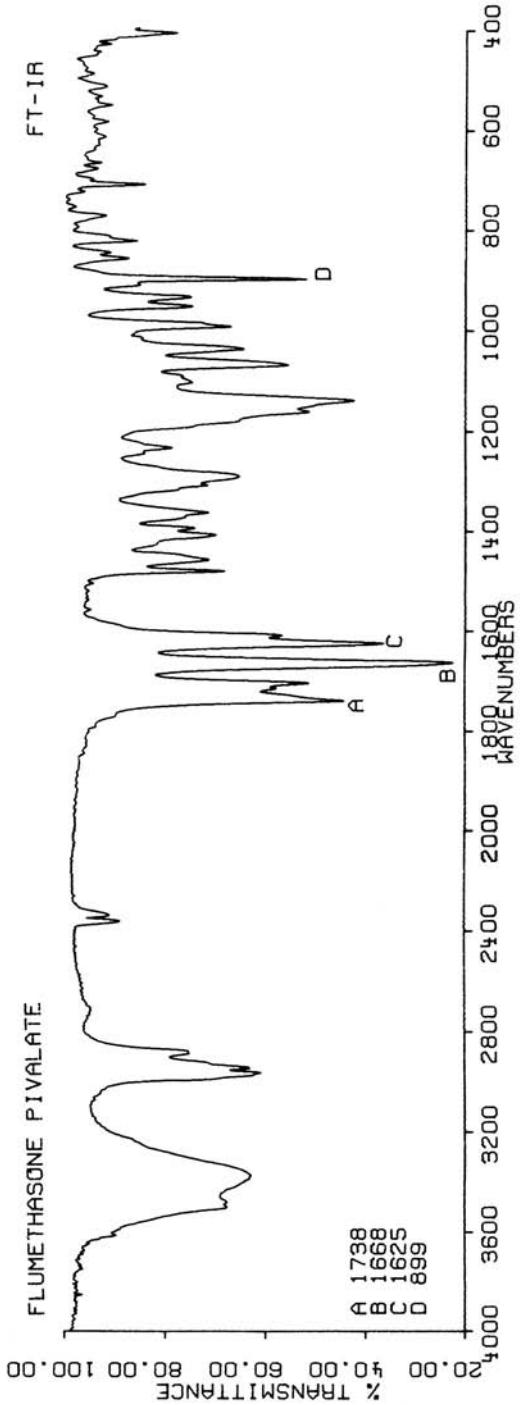
Use: Anti-inflammatory, glucocorticoid
HPLC: Si-10; 100B; 4.0
GC:








FLUMETHASONE PIVALATE (CDCL3/CD3OD)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 14 .00
2 19 .09
3 99 1.28
4 23 1.54
5 40 2.39
6 18 7.29
10
9
8
7
6
5
4
3
2
1
0 PPM

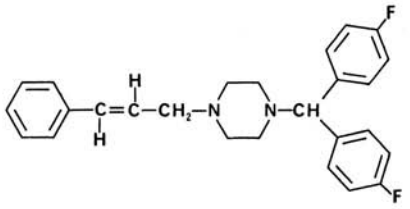

FT-IR
FLUMETHASONE PIVALATE
A 1738
B 1668
C 1625
D 899
A
B
C
D
100.00
80.00
60.00
40.00
20.00
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

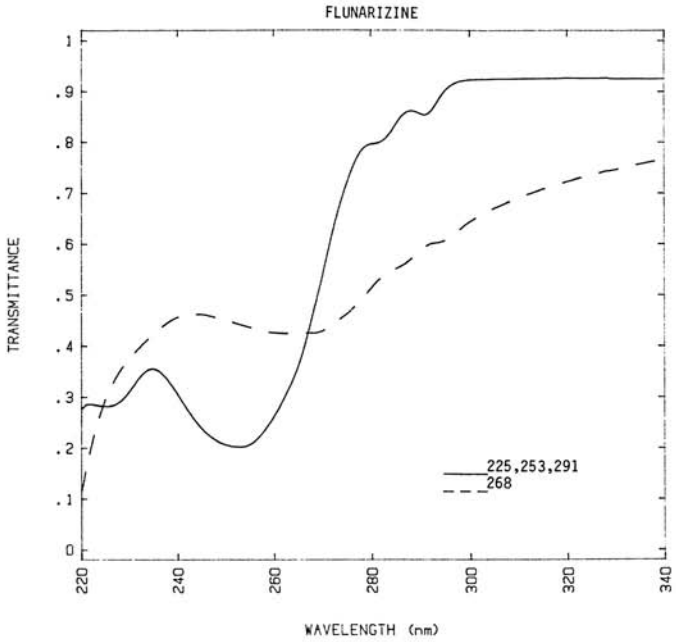
FLUNARIZINE

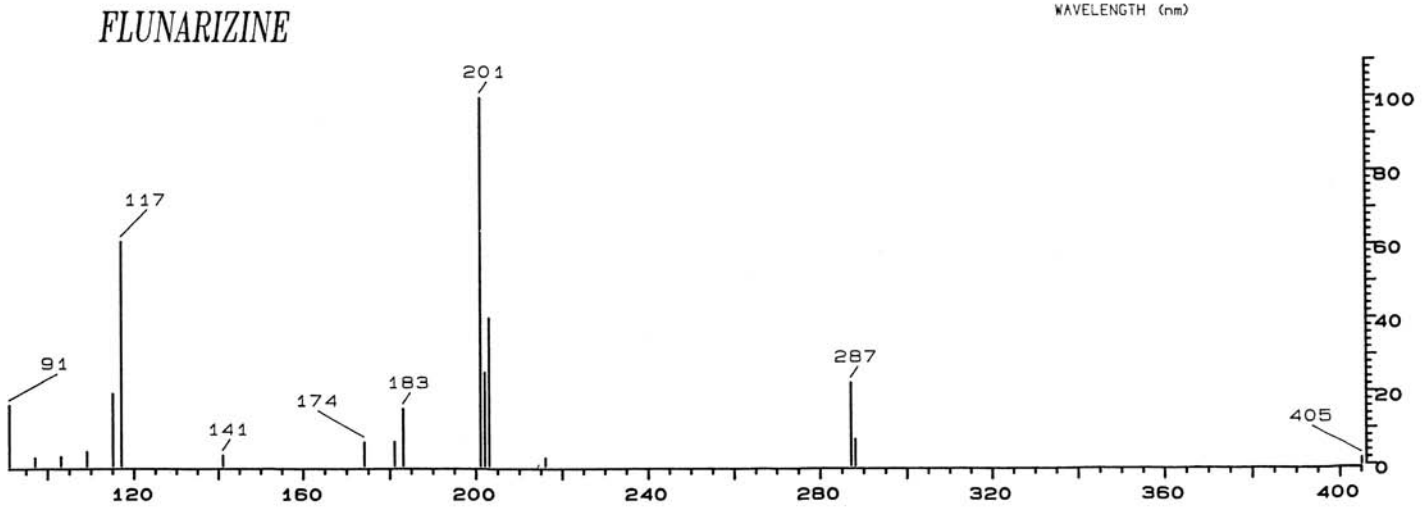
$C_{26}H_{26}F_2N_2$

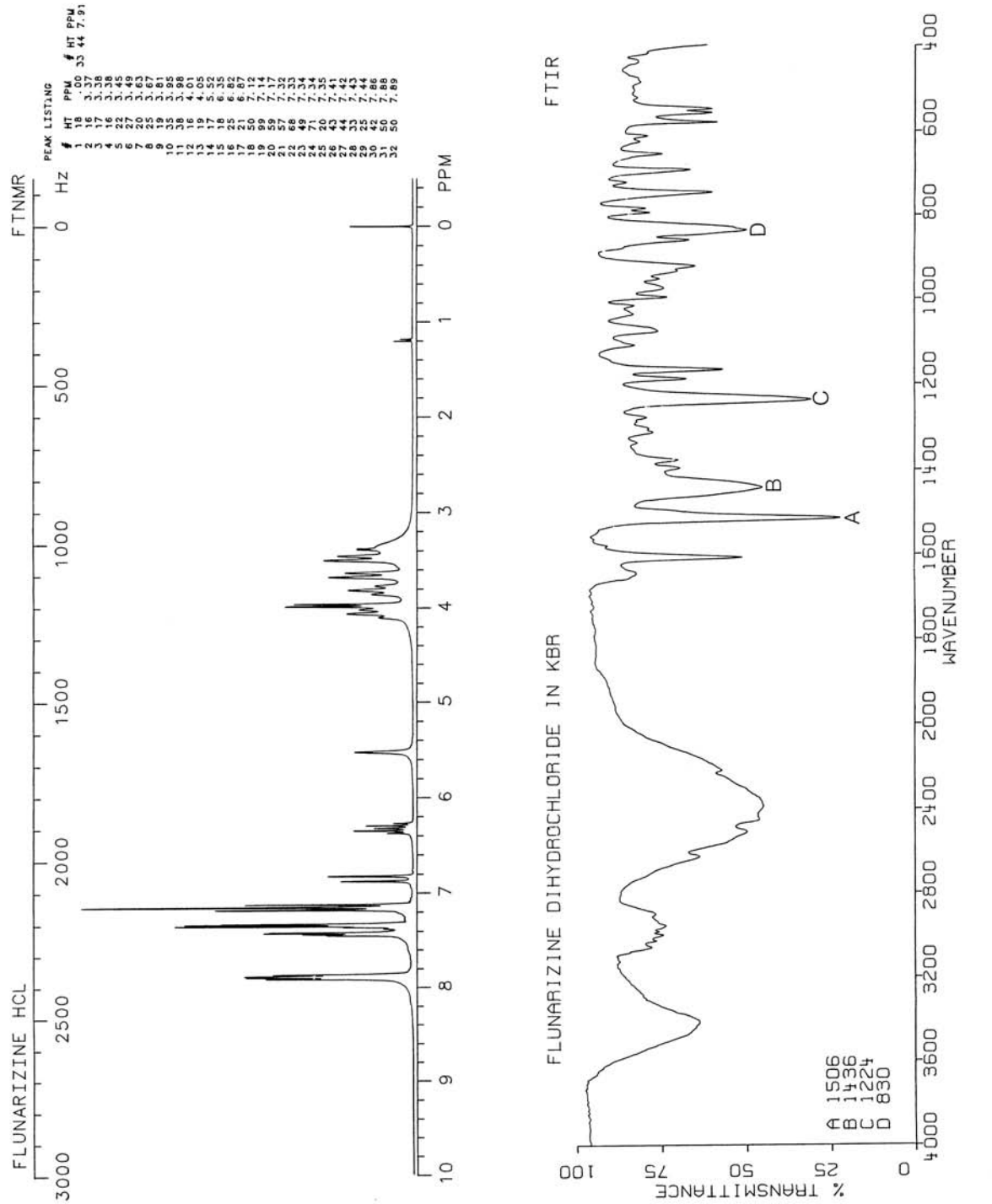
Molecular weight: 404.51 (404.21)
Synonyms: 1-[Bis(4-fluorophenyl)methyl]-4-(3-phenyl-2-propenyl)piperazine
1-cinnamyl-4-(di-p-fluorobenzhydryl)piperazine
Trade names: Flugeral, Gradient, Issium, Sibelium

Use: Vasodilator
HPLC:
GC: 3079; 280°C








FLUNARIZINE HCL
FTNMR
PEAK LISTING
HT PPM # HT PPM
1 18 7.00 33 44 7.91
2 16 3.37
3 17 3.38
4 16 3.38
5 22 3.45
6 27 3.49
7 20 3.63
8 25 3.67
9 19 3.81
10 35 3.95
11 38 3.98
12 16 4.01
13 19 4.05
14 17 5.52
15 18 6.55
16 25 6.82
17 21 6.87
18 50 7.12
19 99 7.14
20 59 7.17
21 57 7.32
22 68 7.33
23 49 7.34
24 71 7.35
25 20 7.41
26 43 7.42
27 44 7.43
28 33 7.44
29 25 7.46
30 42 7.86
31 50 7.88
32 50 7.89
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUNARIZINE DIHYDROCHLORIDE IN KBR
FTIR
A 1506
B 1436
C 1224
D 830
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

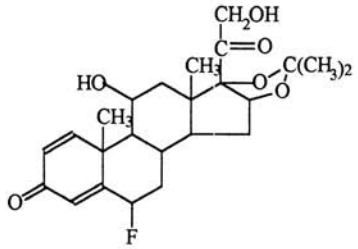
FLUNISOLIDE

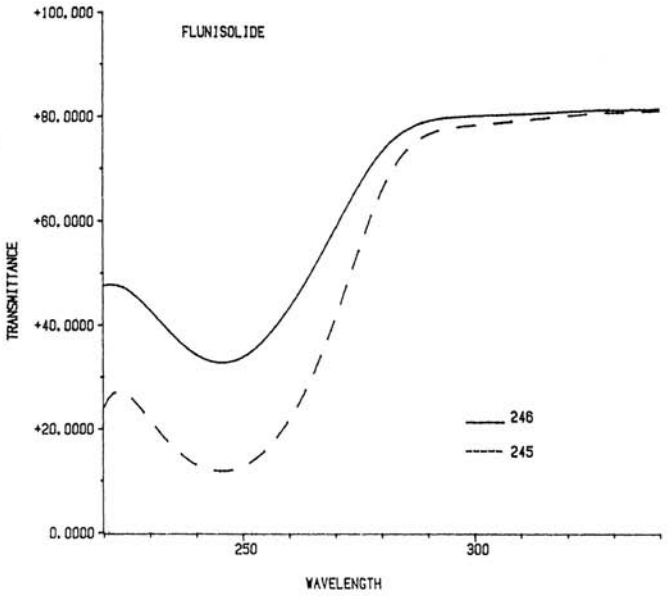
$C_{24}H_{31}FO_6$

Molecular Weight: 434.50 (434.21)

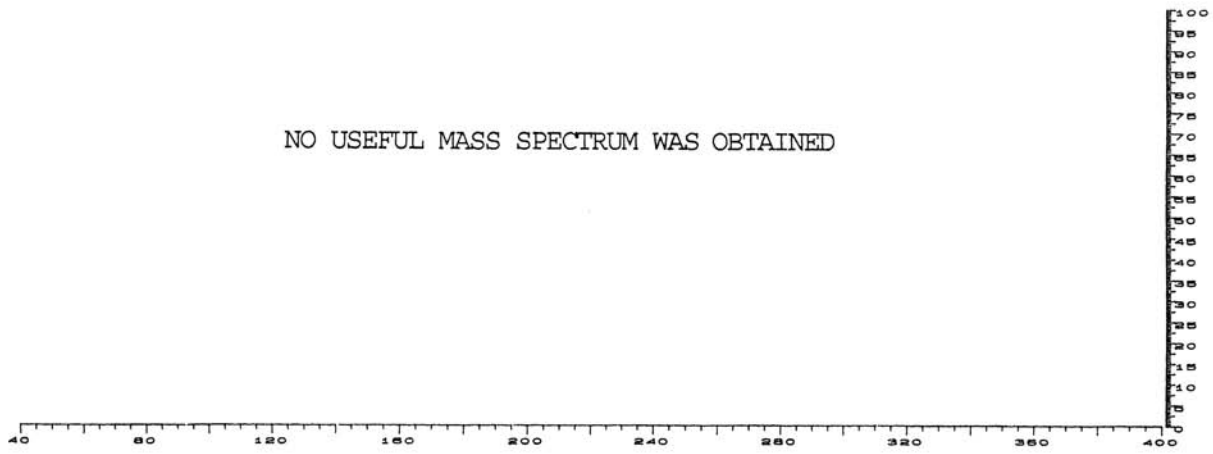
Synonyms: 6-Fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione
Trade Names: AeroBid, Lunis, Nasalide, Nasarel, Rhinalar, Syntaris, Yafrol
Use: Antiasthmatic

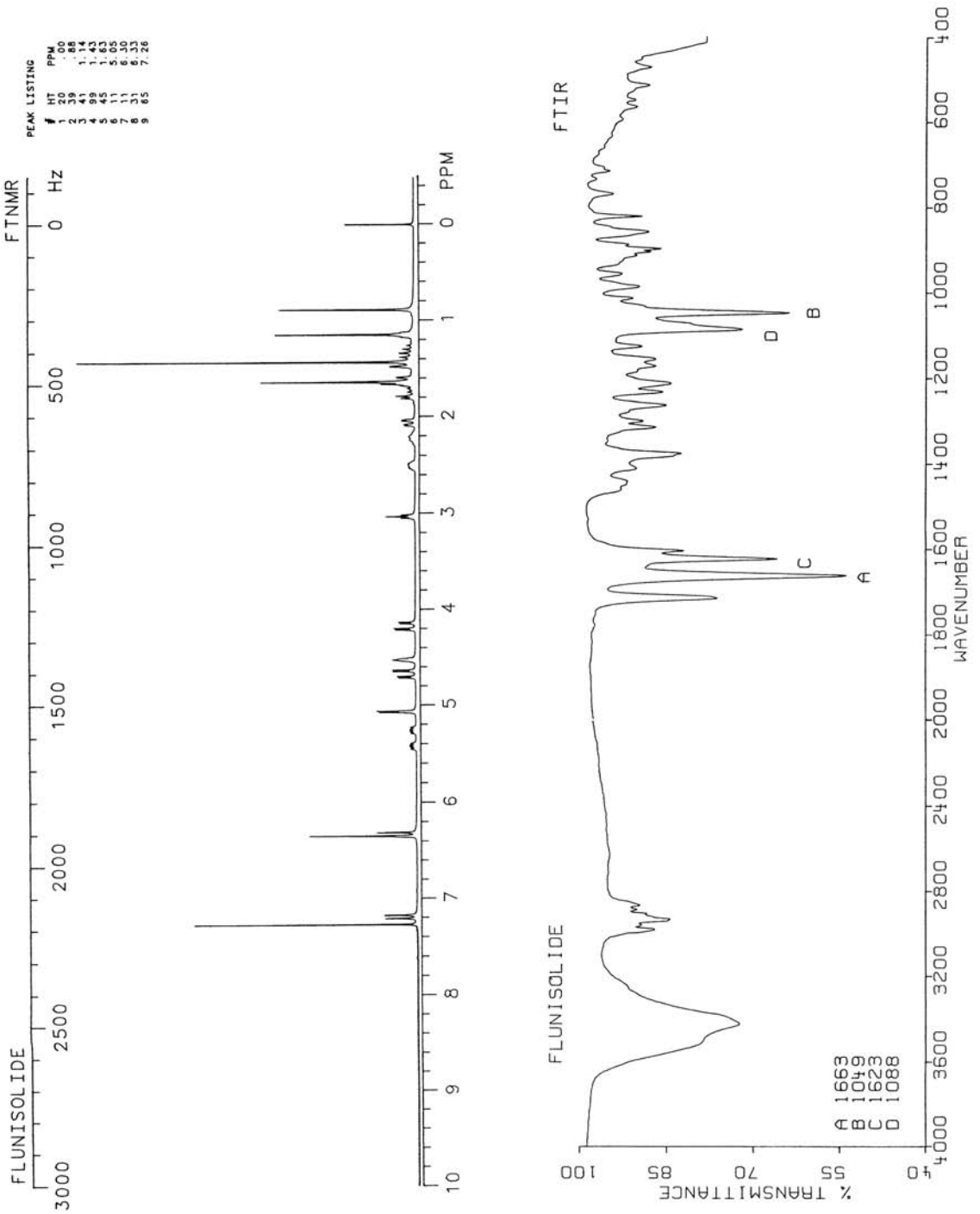
HPLC: Methanol: 2.8
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




FLUNISOLIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 10 PPM
PEAK LISTING
HT PPM
1 20 .00
2 39 .88
3 41 1.14
4 99 1.43
5 45 1.63
6 11 5.05
7 11 6.30
8 11 6.53
9 65 7.26
FLUNISOLIDE
FTIR
100 85 70 55 40
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1663
B 1049
C 1623
D 1088

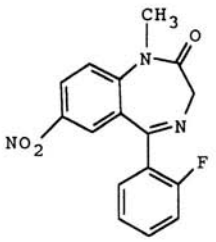
FLUNITRAZEPAM

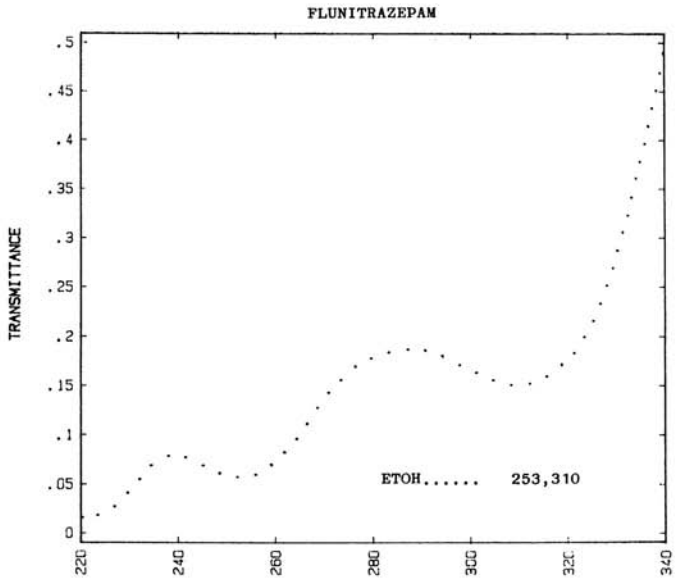
$C_{16}H_{12}FN_3O_3$

Molecular weight: 313.30 (313.09)

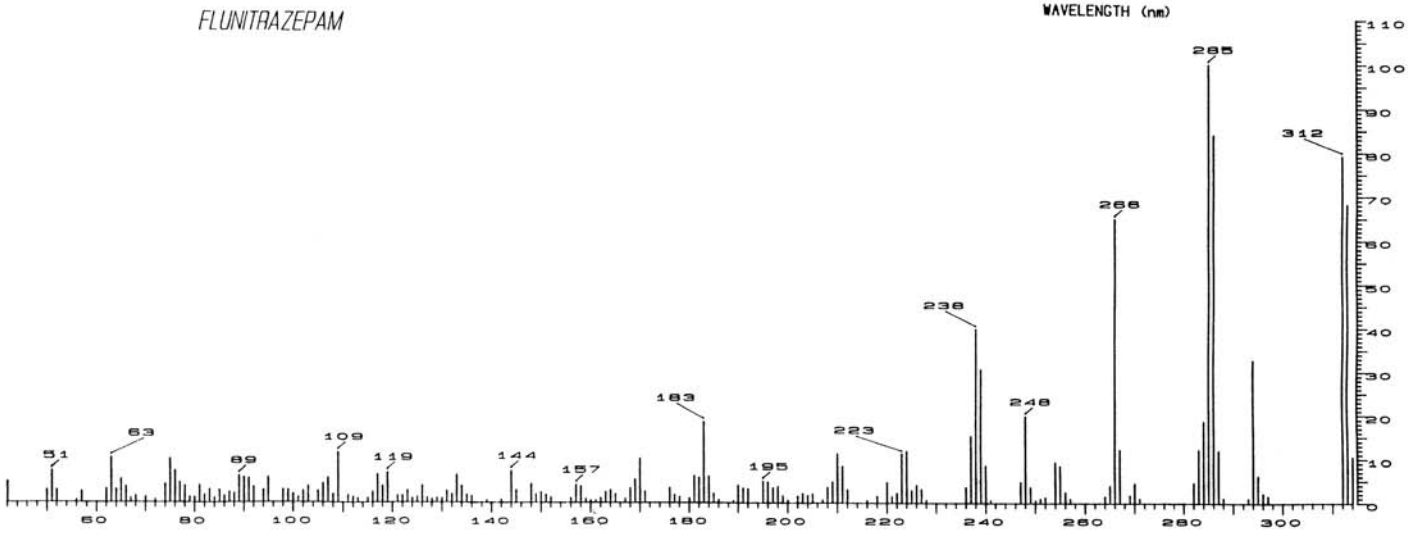
Synonyms: 5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-2H-1,4-benzodiazepin-2-one
Trade names: Narcozep, Primun, Rohypnol, Roipnol

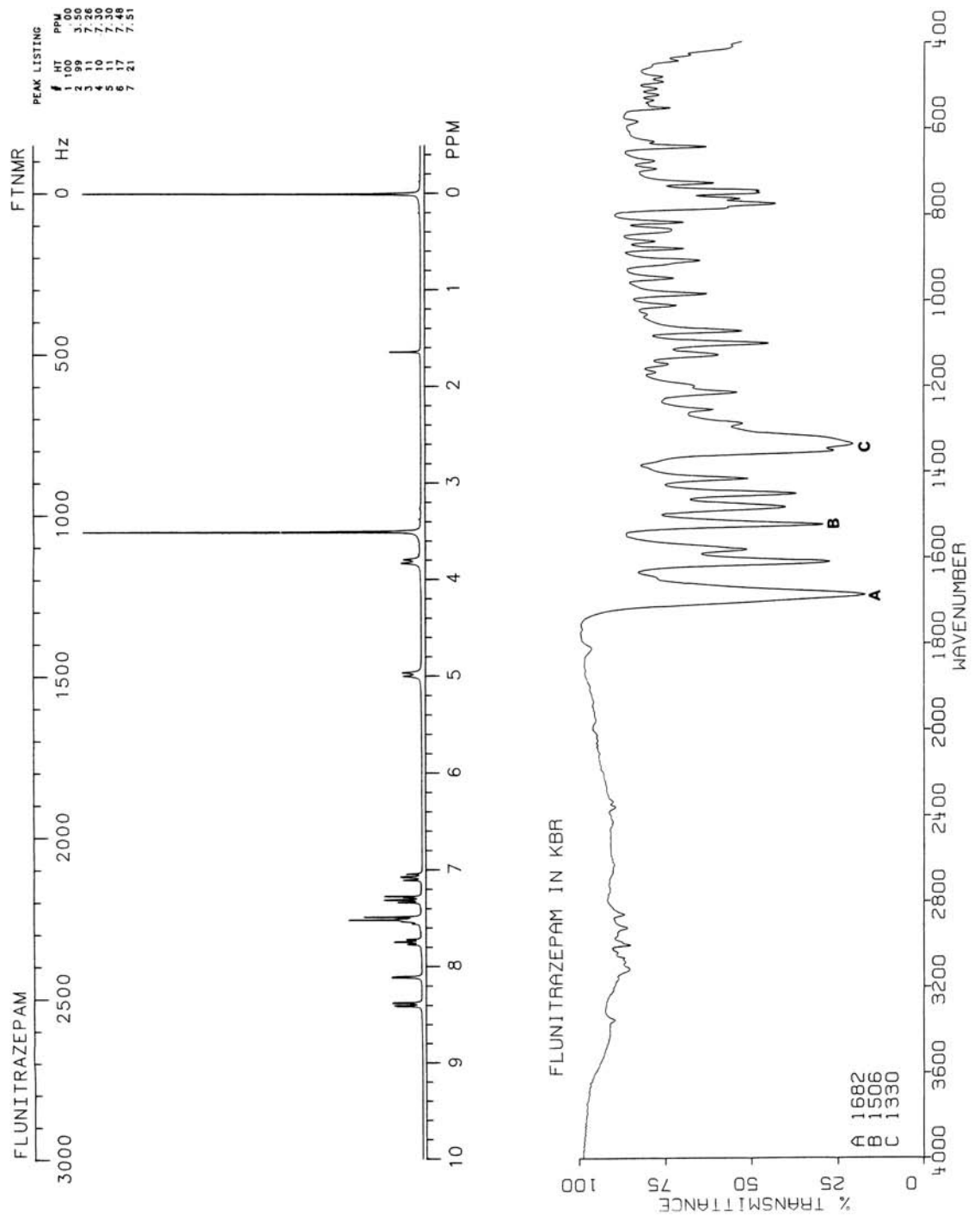
Use: Hypnotic
HPLC: 90A:10B; 3.1
GC: 2620; 250°





FLUNITRAZEPAM

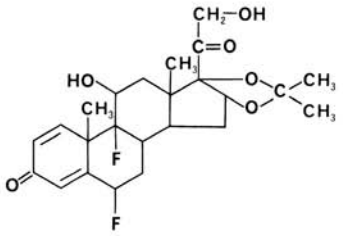


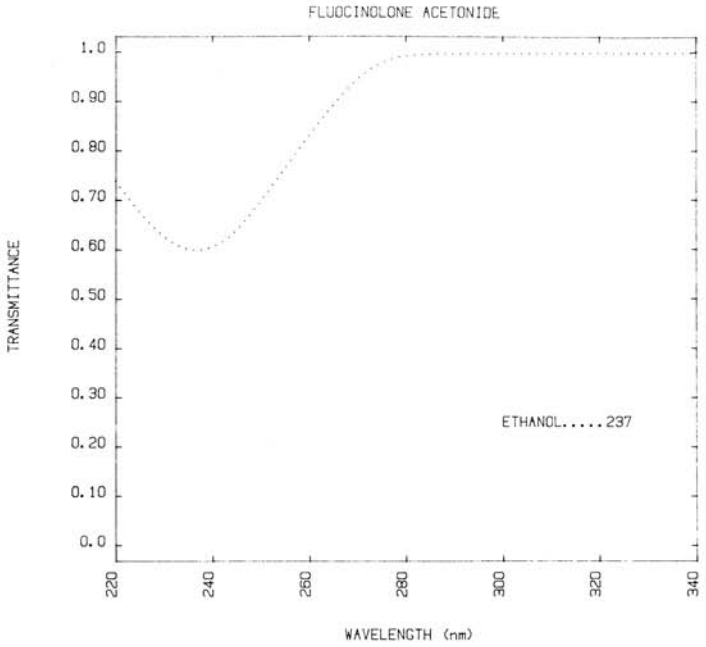

FLUNITRAZEPAM
FTNMR
PEAK LISTING
HT PPM
1 100 3.00
2 99 3.50
3 11 7.26
4 10 7.30
5 11 7.30
6 17 7.48
7 21 7.51
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUNITRAZEPAM IN KBR
A 1682
B 1506
C 1330
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

FLUOCINOLONE ACETONIDE

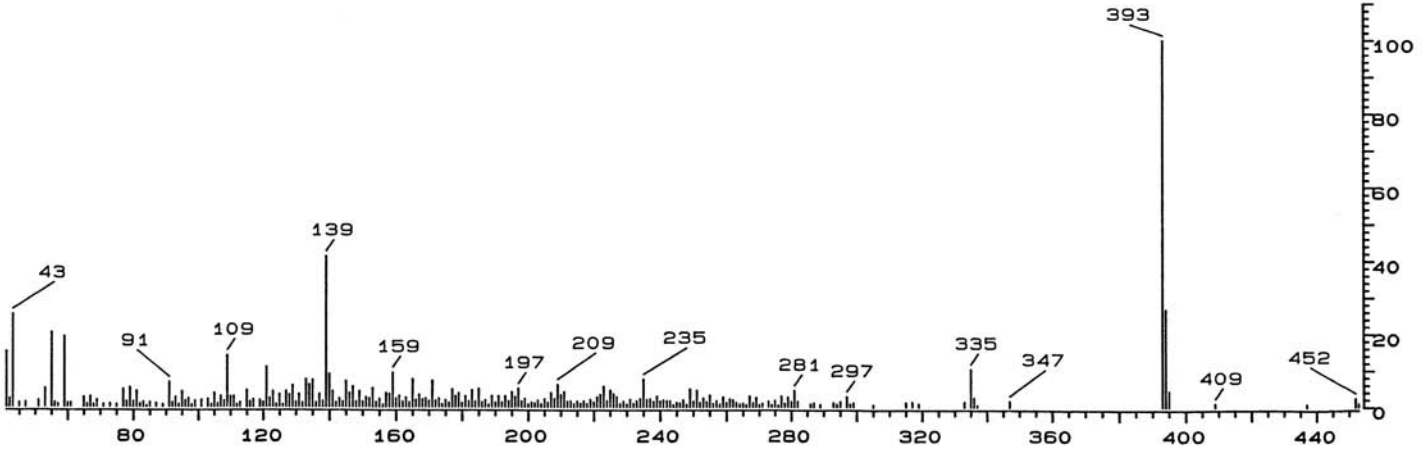
$C_{24}H_{30}F_2O_6$

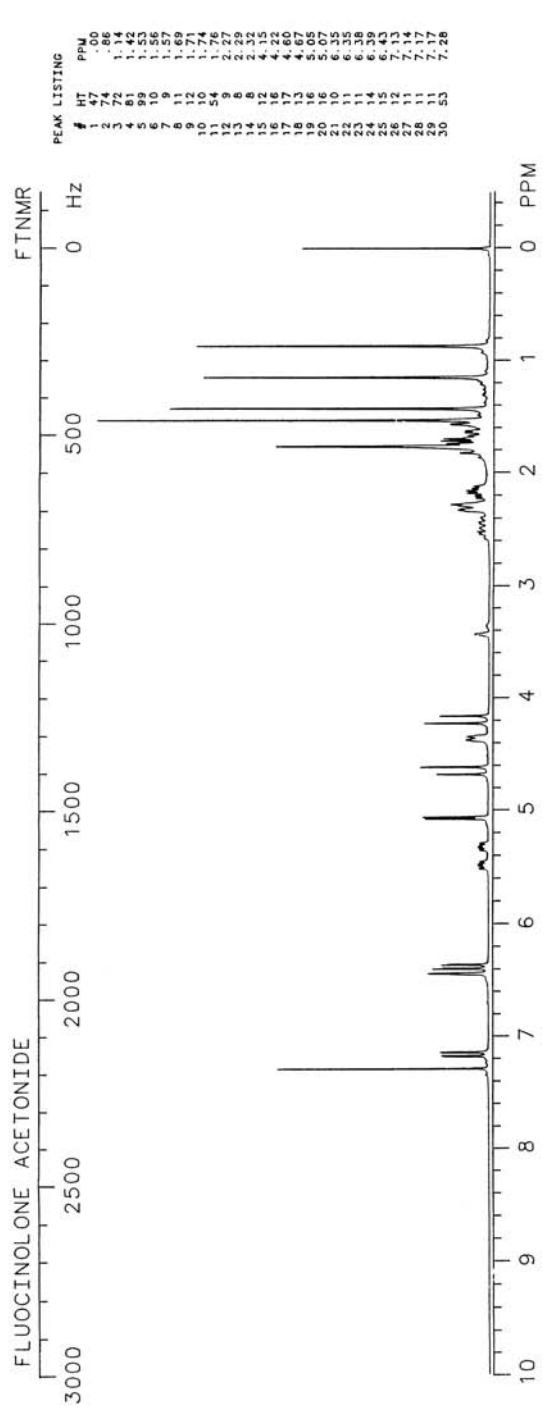
Molecular weight: 452.50 (452.20)
Synonyms: 6α,9-Difluoro-11β,21-dihydroxy-16α,17-[(1-methylethylidine)bis(oxy)]pregna-1,4-diene-3,20-dione
Trade names: Derma-Smoothe/FS, Fluonid, Neo-Synalar, Synalar, Synemol
Use: Anti-inflammatory, glucocorticoid
HPLC: Si-10; 2A:98B; 4.3
GC:

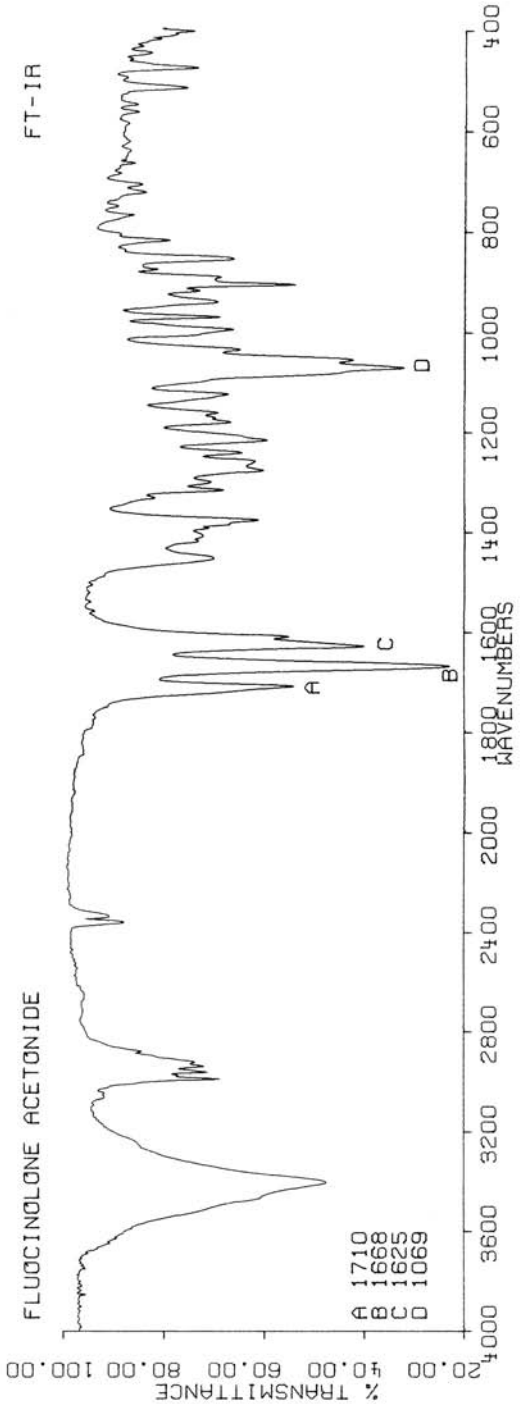




FLUOCINOLONE ACETONIDE--DIP




FLUOCINOLONE ACETONIDE
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 74 .86
3 72 1.14
4 81 1.42
5 99 1.53
6 10 1.56
7 9 1.57
8 11 1.69
9 12 1.71
10 54 1.74
11 9 1.76
12 8 2.27
13 8 2.29
14 8 2.32
15 12 4.15
16 11 4.22
17 13 4.60
18 13 4.67
19 16 5.05
20 16 5.07
21 10 6.35
22 11 6.36
23 11 6.38
24 15 6.39
25 15 6.43
26 12 7.13
27 11 7.14
28 11 7.17
29 11 7.17
30 53 7.28


FT-IR
FLUOCINOLONE ACETONIDE
% 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 1710
B 1668
C 1625
D 1069
A
B
C
D

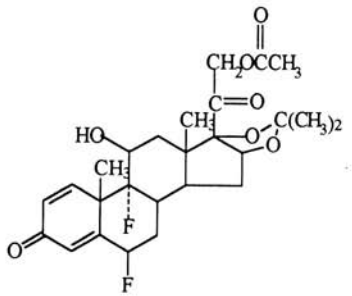
FLUOCINONIDE

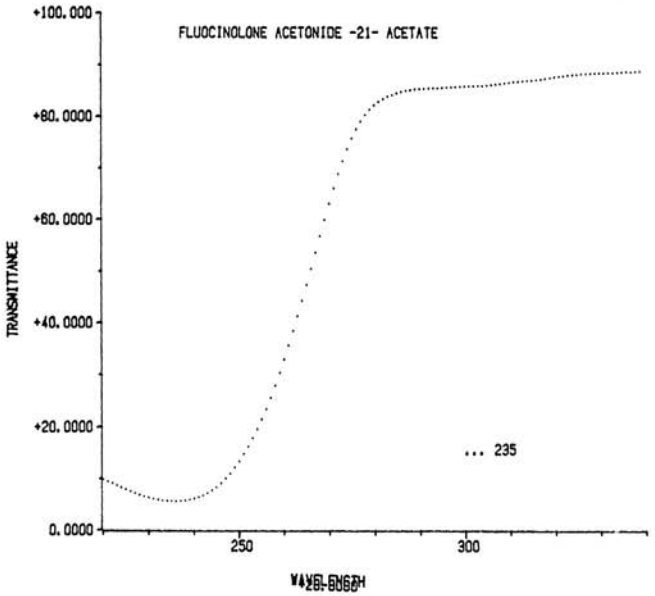
$C_{26}H_{32}F_2O_7$

Molecular Weight: 494.52 (494.21)

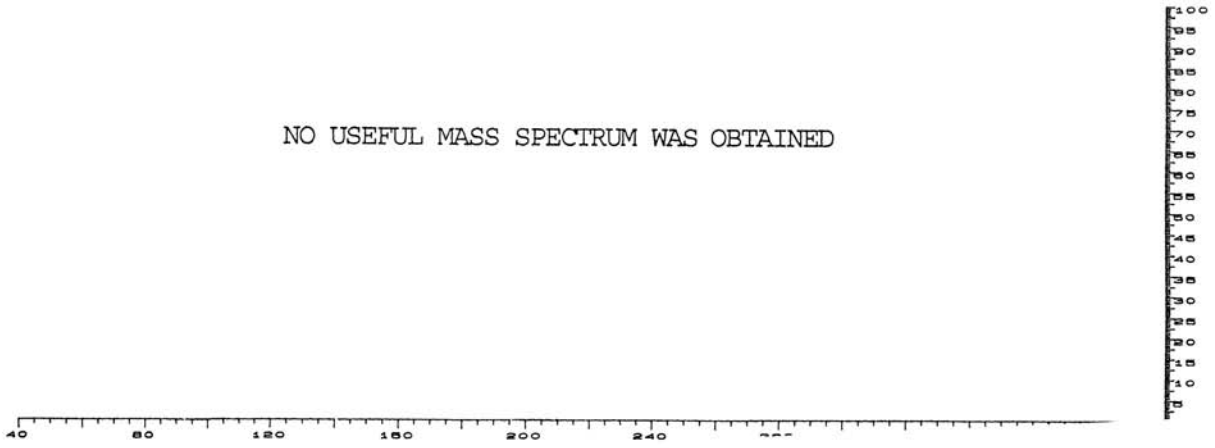
Synonyms: 6α,9α-Difluoro-16α-hydroxyoredbusikibe-16,17-acetonide-21-acetate; fluocinolone acetonide-21-acetate
Trade Names: Lidex, Dermacin, Fluocinonide E
Use: Anti-inflammatory

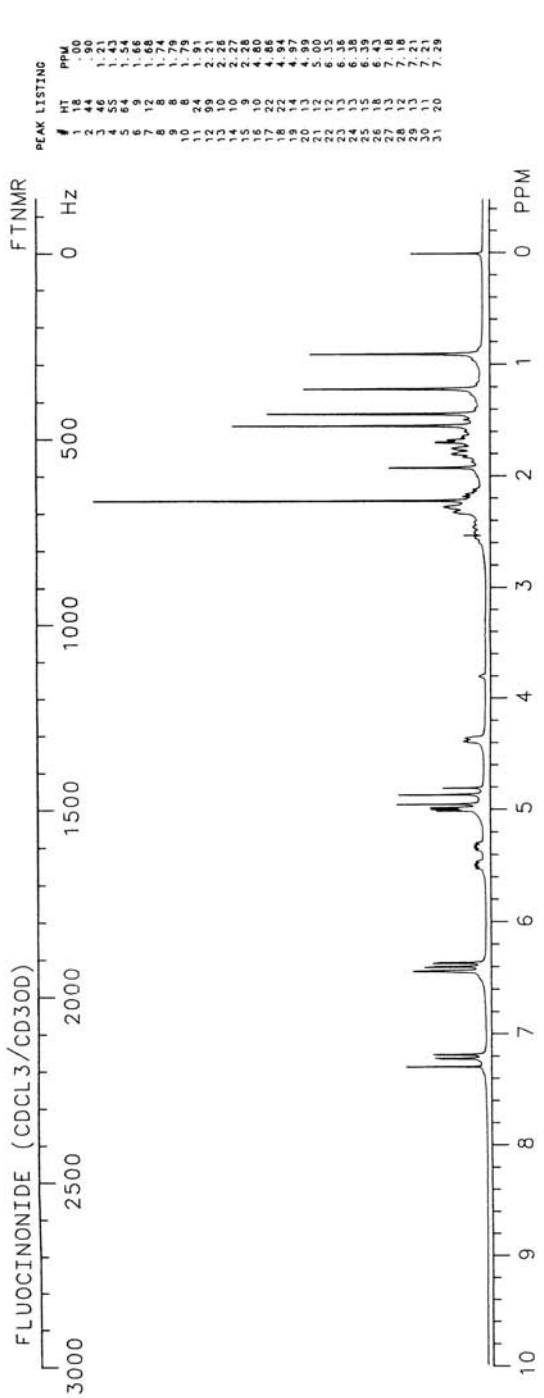
HPLC: Ethanol: 2.5
GC:

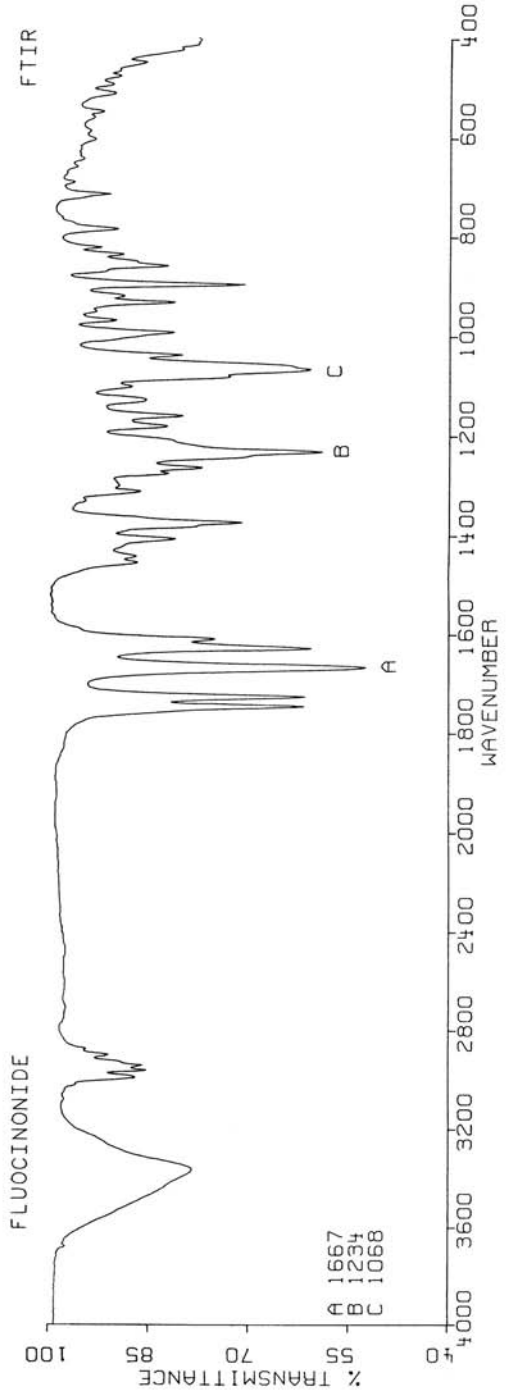




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
FLUOCINONIDE (CDCL3/CD3OD)
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 18 .00
2 44 .90
3 46 1.21
4 55 1.43
5 64 1.54
6 9 1.66
7 12 1.66
8 8 1.74
9 8 1.79
10 8 1.79
11 24 1.91
12 99 2.21
13 10 2.26
14 9 2.27
15 9 2.28
16 10 4.80
17 22 4.86
18 22 4.94
19 14 4.97
20 13 4.99
21 12 5.00
22 12 6.35
23 13 6.36
24 13 6.38
25 15 6.39
26 18 6.43
27 13 7.18
28 13 7.18
29 13 7.21
30 11 7.21
31 20 7.29
0 PPM
1
2
3
4
5
6
7
8
9
10


FTIR
FLUOCINONIDE
% TRANSMITTANCE
100
85
70
55
40
A 1667
B 1234
C 1068
A
B
C
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

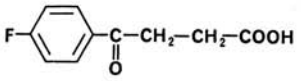
FLUOROBENZOYLPROPIONIC ACID

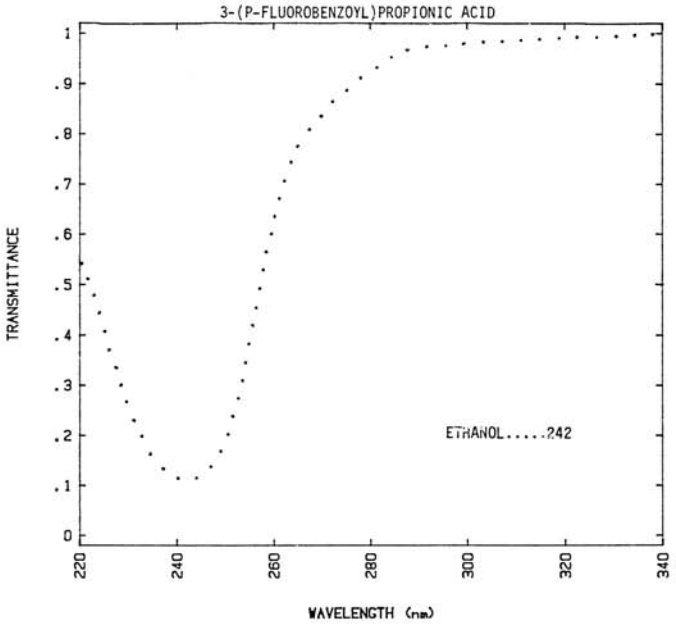
$C_{10}H_9FO_3$

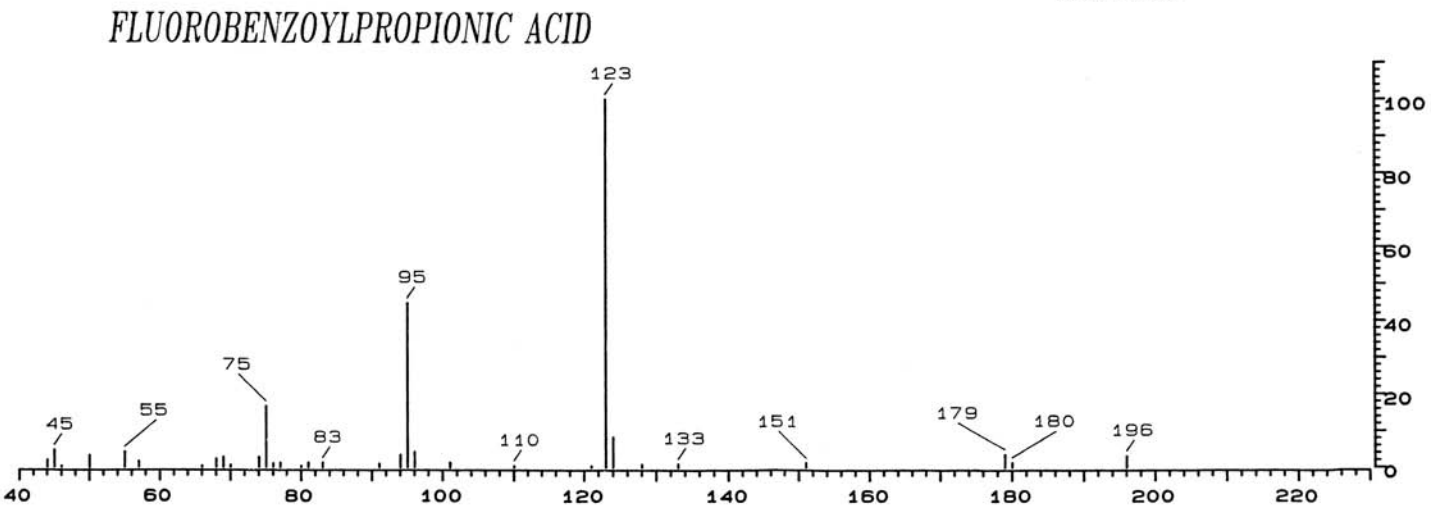
Molecular weight: 196.16 (196.05)
Synonyms: 3-(p-Fluorobenzoyl)propionic acid

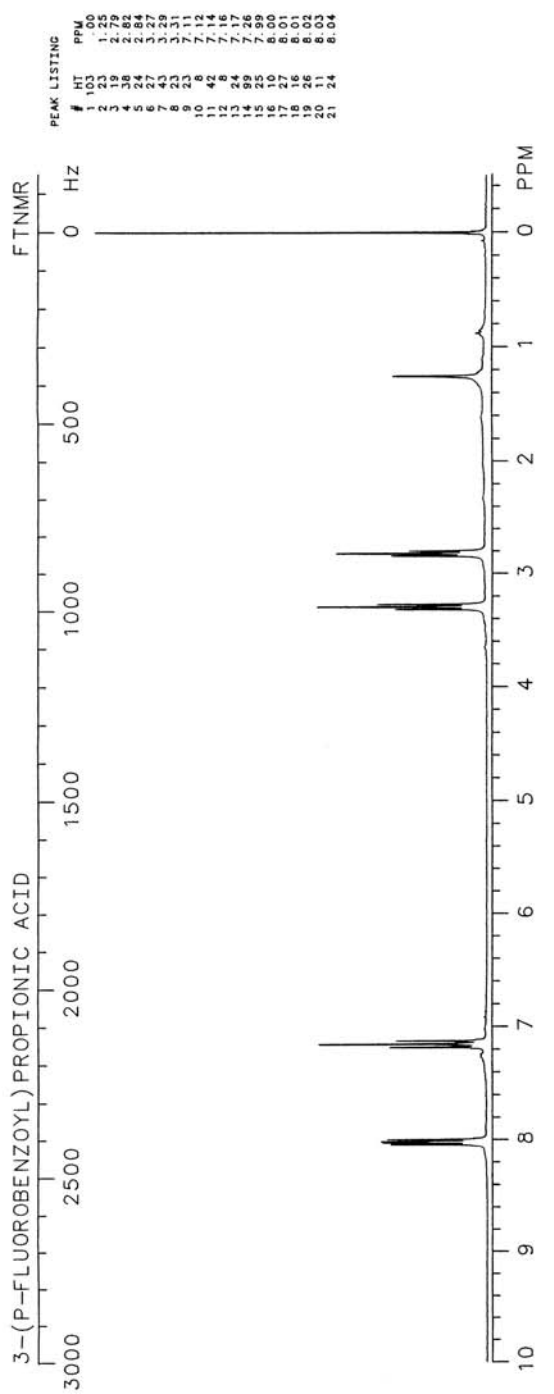
Trade names:

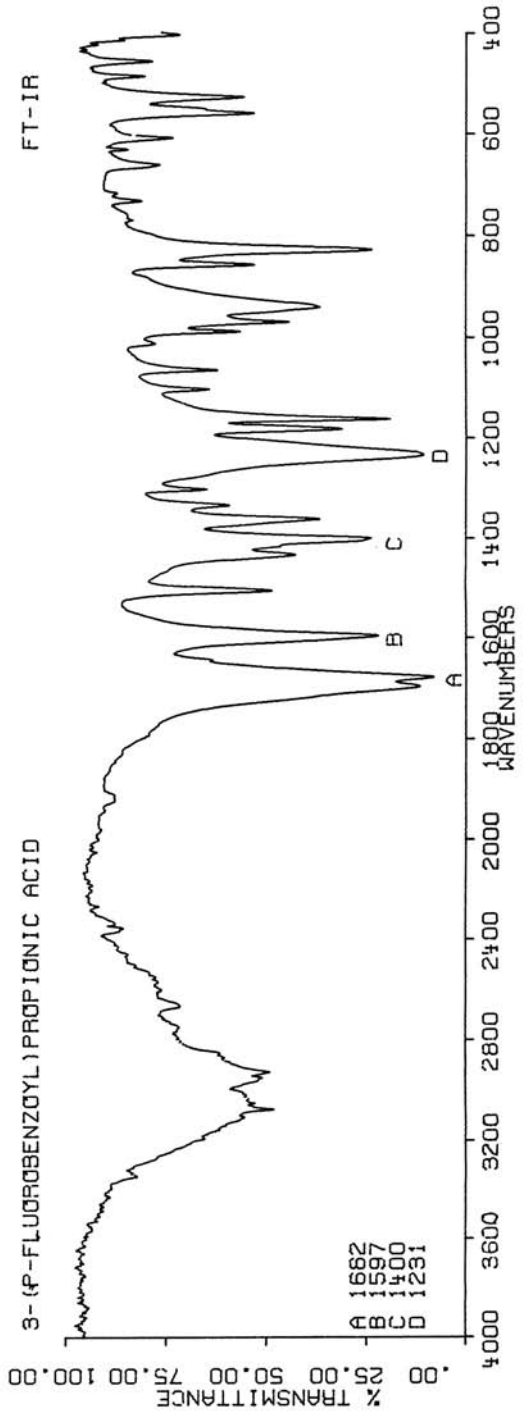
Use:
HPLC: Si-10; 10A:90B; 10.5
GC:








3-(P-FLUOROBENZOYL)PROPIONIC 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
1 101 .00
2 23 1.25
3 19 2.79
4 38 2.82
5 24 2.84
6 27 3.27
7 43 3.29
8 23 3.31
9 23 7.11
10 8 7.12
11 42 7.14
12 8 7.16
13 24 7.17
14 89 7.96
15 25 7.99
16 10 8.00
17 27 8.01
18 16 8.01
19 26 8.02
20 11 8.03
21 24 8.04

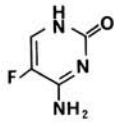

3-(P-FLUOROBENZOYL)PROPIONIC ACID
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1682
B 1597
C 1400
D 1231
A
B
C
D

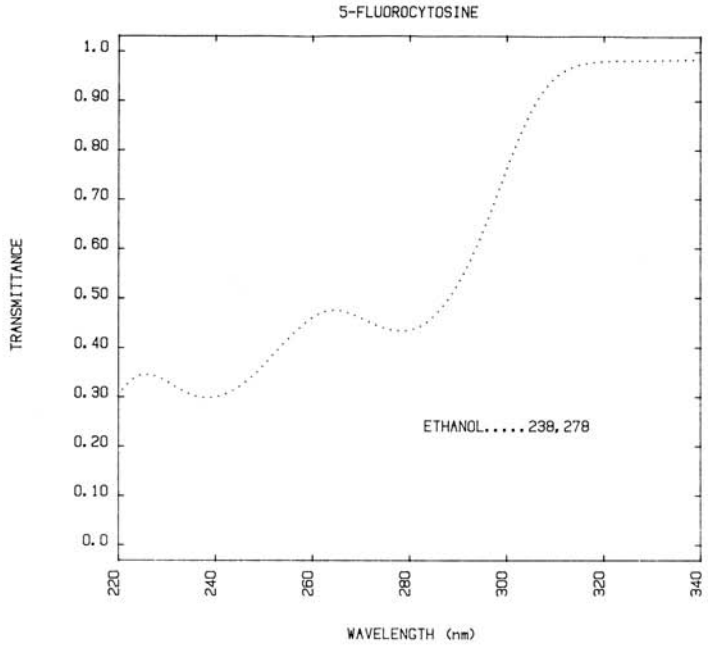
FLUOROCYTOSINE

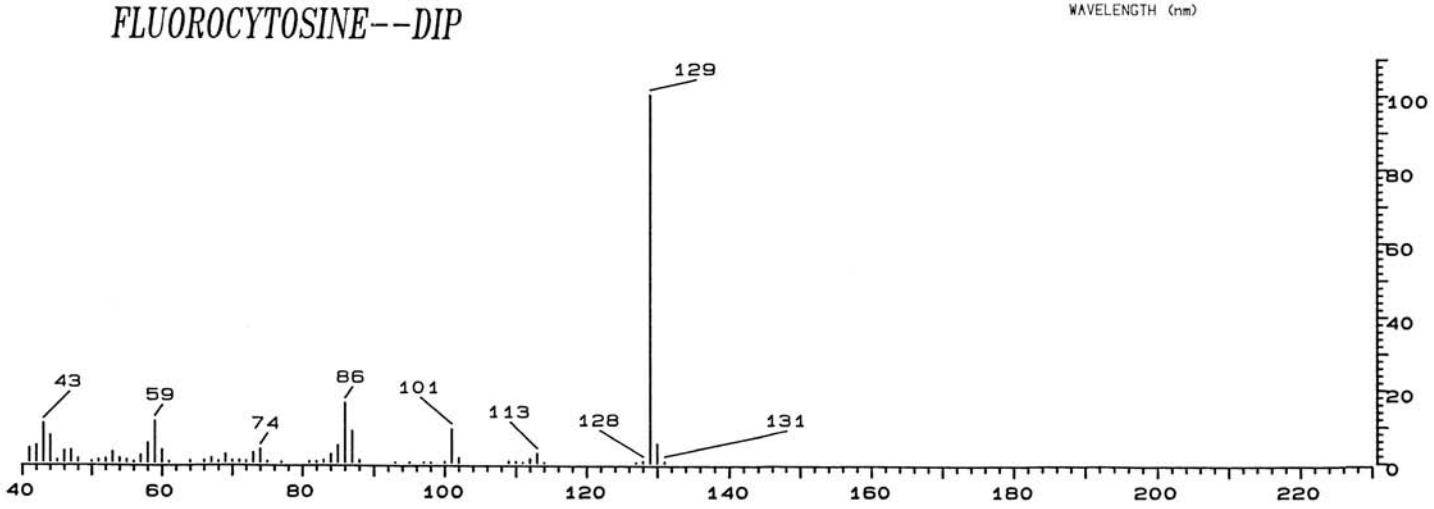
$C_4H_4FN_3O$

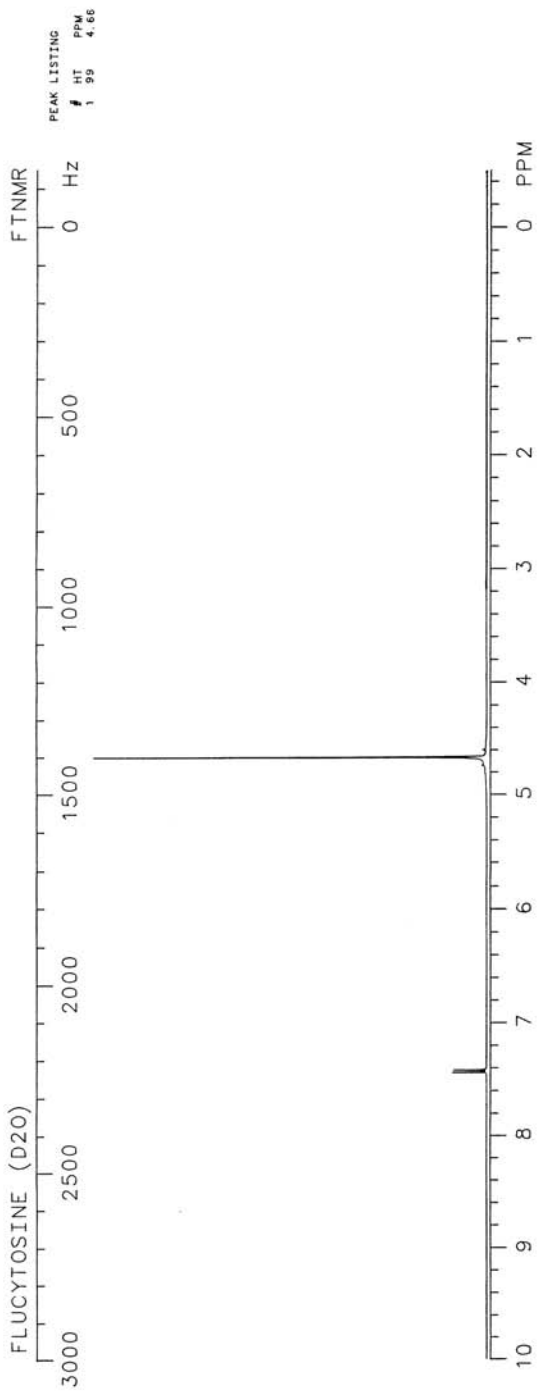
Molecular weight: 129.09 (129.03)
Synonyms: 5-Fluorocytosine; 4-amino-5-fluoro-2(1H)-pyrimidinone; flucytosine
Trade names: Ancobon

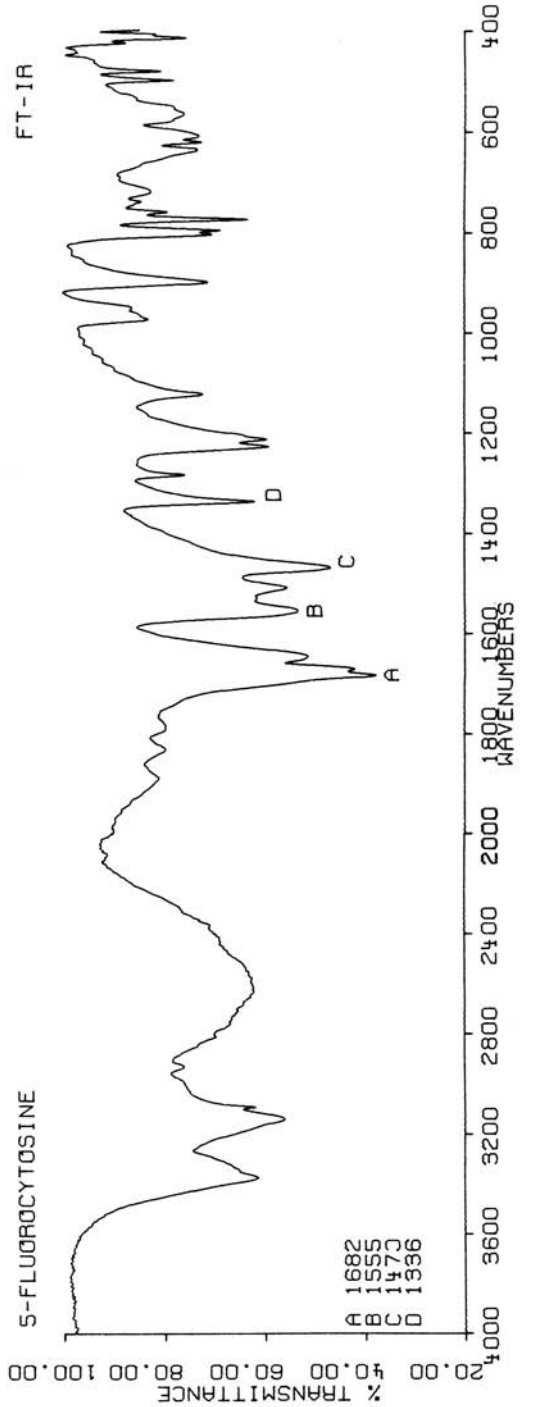
Use: Antifungal
HPLC: Si-10; 10A:90B; 5.5
GC:








FLUCYTOSINE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 99 4.66
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

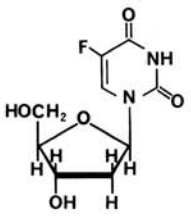

5-FLUOROCYTOSINE
FT-IR
A 1682
B 1555
C 1470
D 1336
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

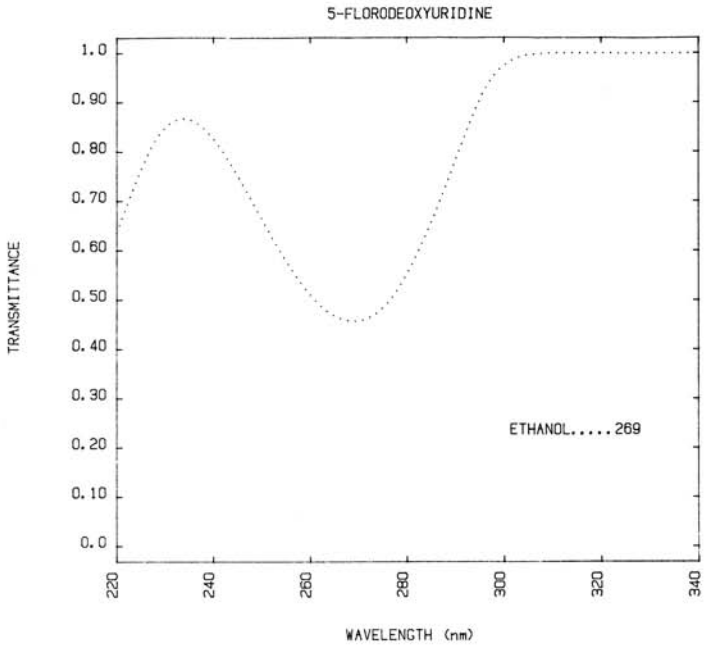
FLUORODEOXYURIDINE

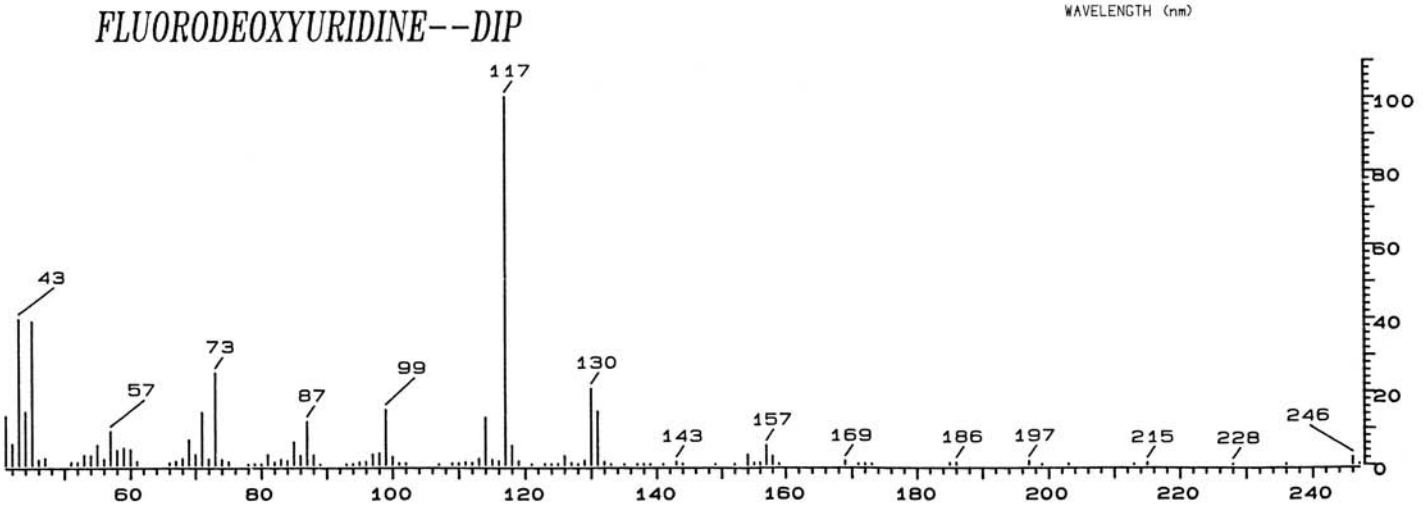
$C_9H_{11}FN_2O_5$

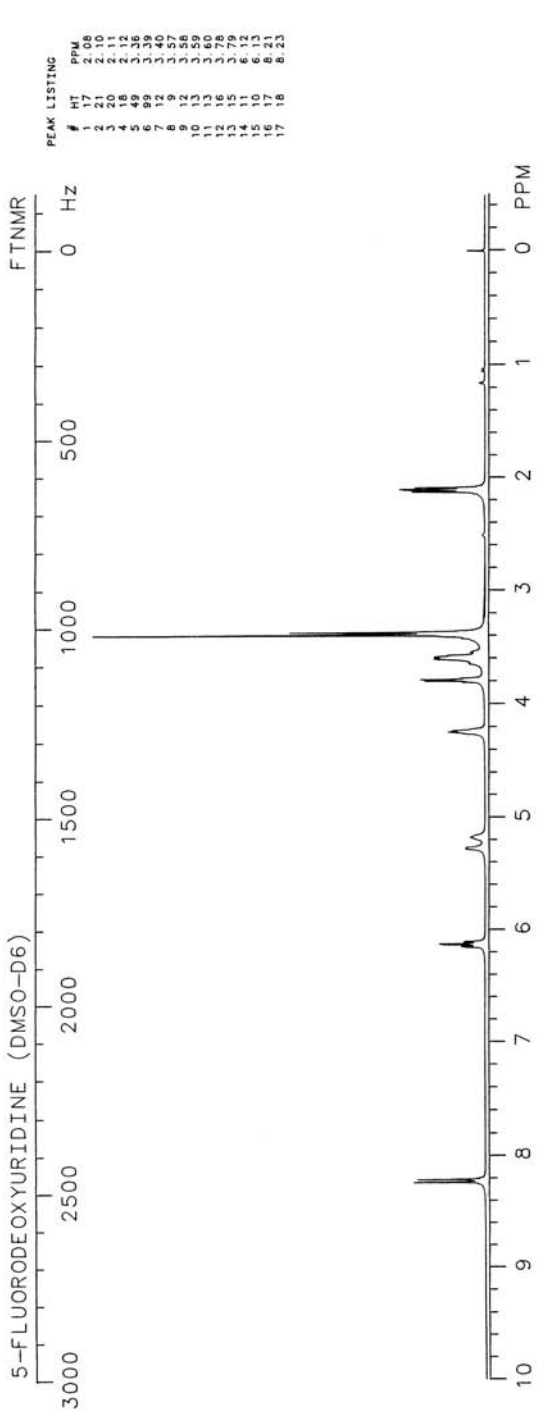
Molecular weight: 246.20 (246.06)
Synonyms: 2'-Deoxy-5-fluorouridine; 5-fluoro-2'-deoxy-β-uridine; floxuridine
Trade names: FUDR

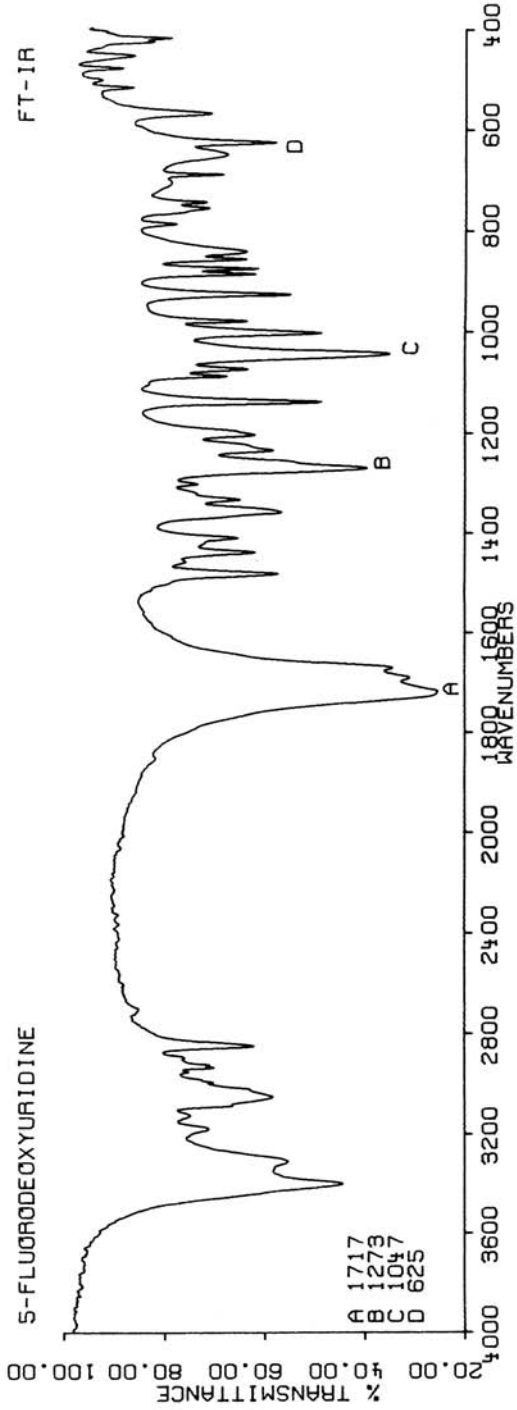
Use: Antiviral
HPLC: Si-10; 5A:95B; 4.5
GC:








5-FLUORODEOXYURIDINE (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 2.08
2 21 2.10
3 20 2.11
4 16 3.12
5 49 3.36
6 99 3.39
7 12 3.40
8 9 3.57
9 12 3.58
10 13 3.59
11 13 3.60
12 16 3.75
13 15 3.79
14 11 6.12
15 10 6.13
16 17 8.21
17 18 8.23

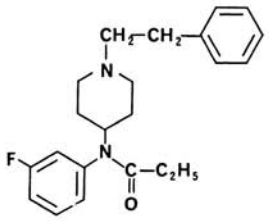

5-FLUORODEOXYURIDINE
FT-IR
A 1717
B 1273
C 1047
D 625
A
B
C
D
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

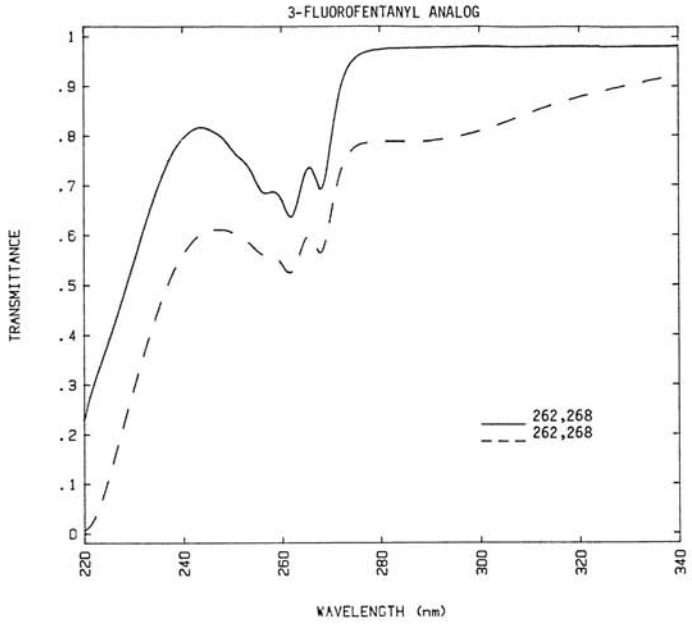
3-FLUOROFENTANYL ANALOG

$C_{22}H_{27}N_2FO$

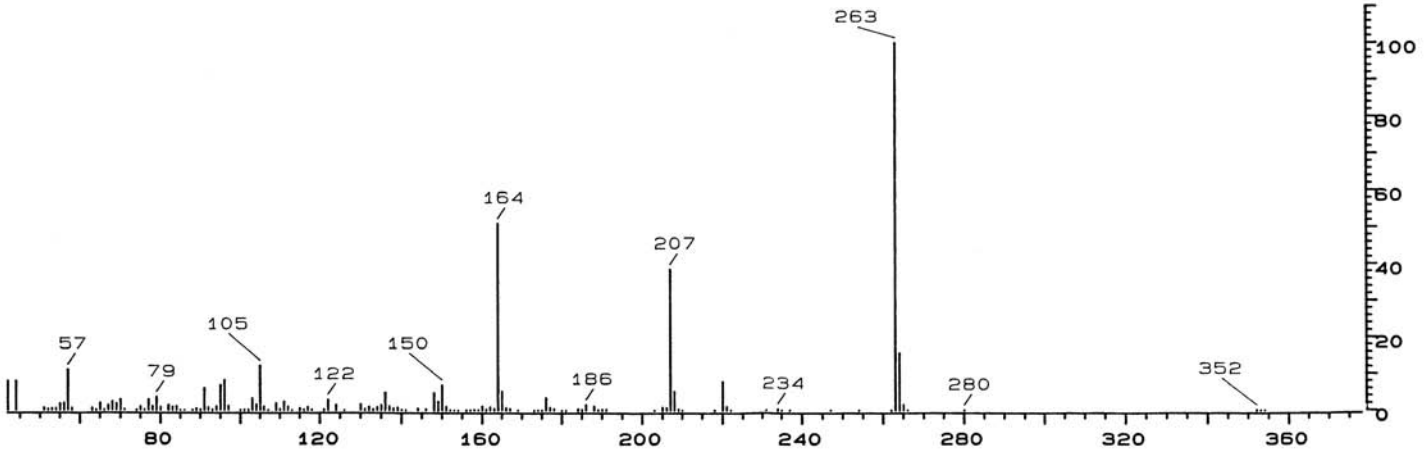
Molecular weight: 354.45 (354.21)
Synonyms: Meta-Fluorophenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-propanamide
Trade names:

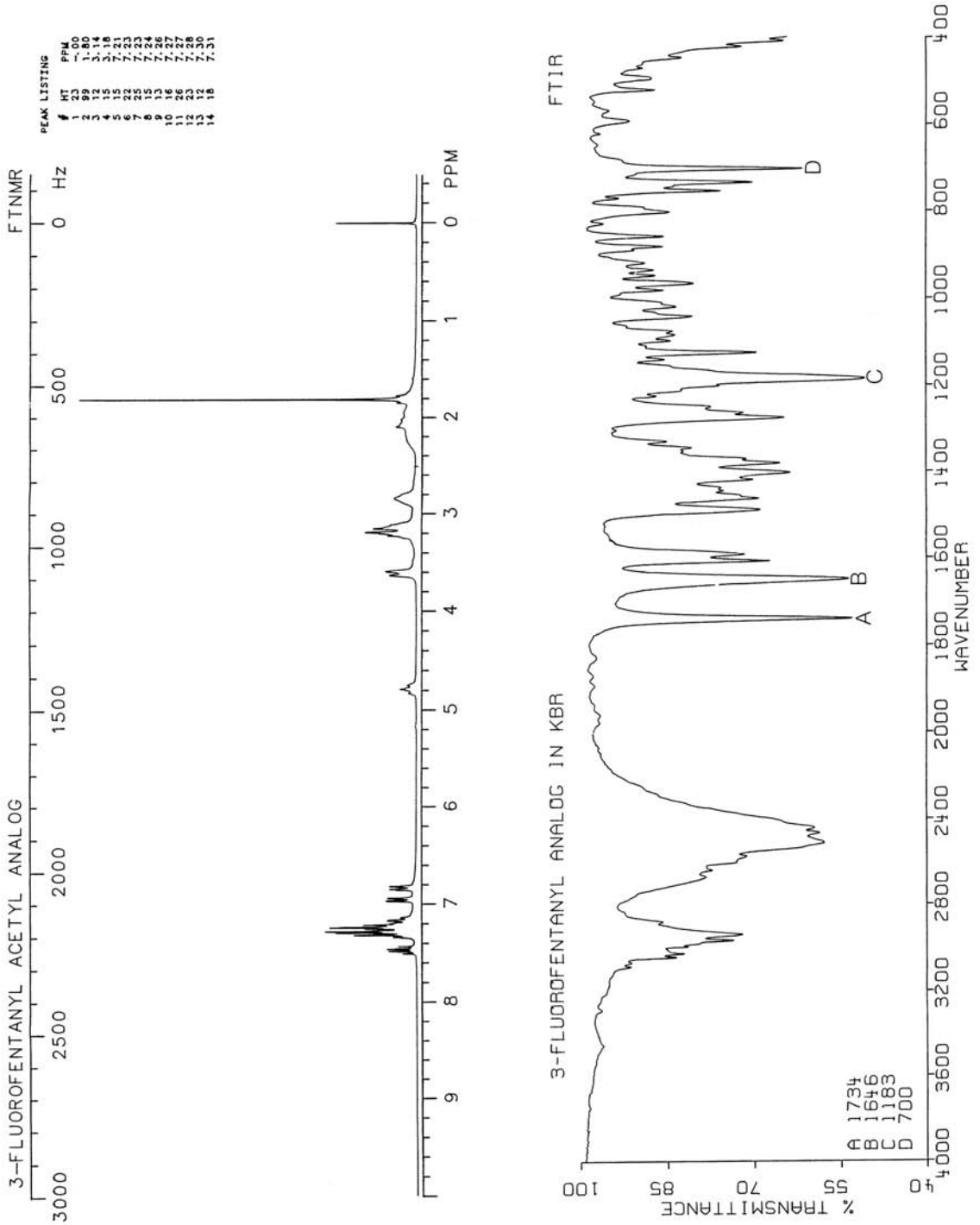
Use:
HPLC:
GC: 2683; 280°C





3-FLUOROFENTANYL ANALOG



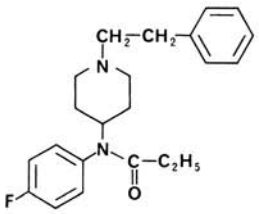

3-FLUOROFENTANYL ACETYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 23 -.00
2 99 1.80
3 12 3.14
4 15 3.16
5 15 7.21
6 25 7.23
7 25 7.23
8 15 7.24
9 13 7.26
10 16 7.27
11 26 7.27
12 23 7.28
13 12 7.30
14 18 7.31
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
3-FLUOROFENTANYL ANALOG IN KBR
FTIR
A 1734
B 1646
C 1183
D 700
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

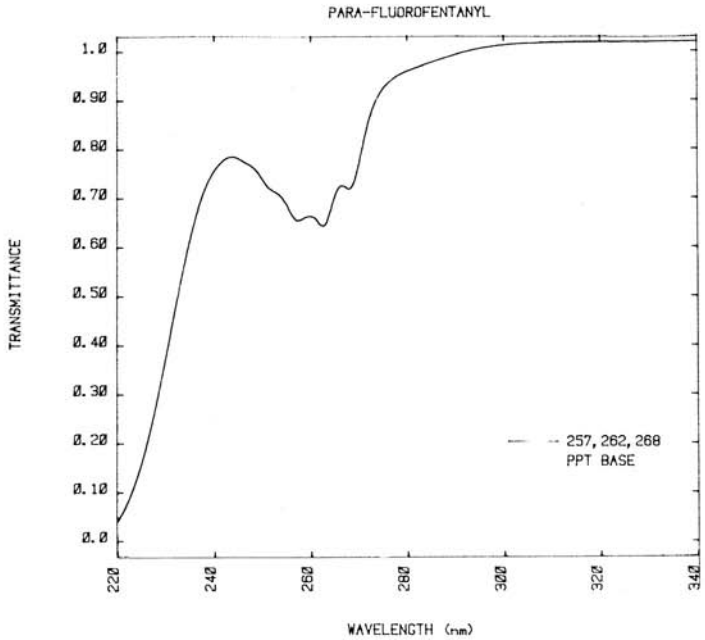
PARA-FLUOROFENTANYL ANALOG

$C_{22}H_{27}FN_2O$

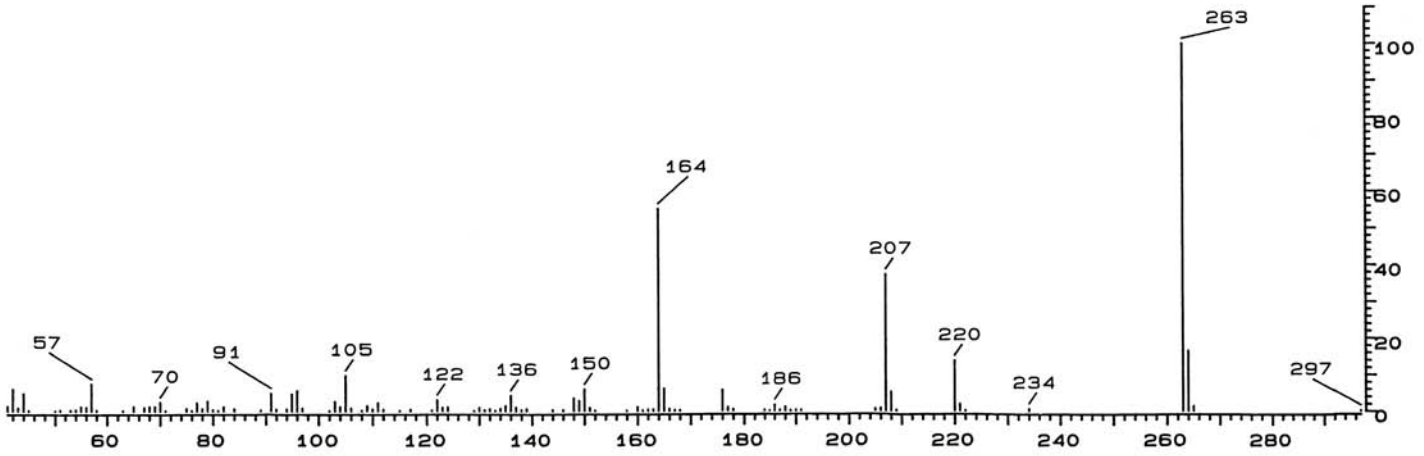
Molecular weight: 354.48 (354.21)
Synonyms: N-(4-Fluorophenyl)-N-[1-(2-phenylethyl)-4-piperidinyl]-propanamide; PFF
Trade names:

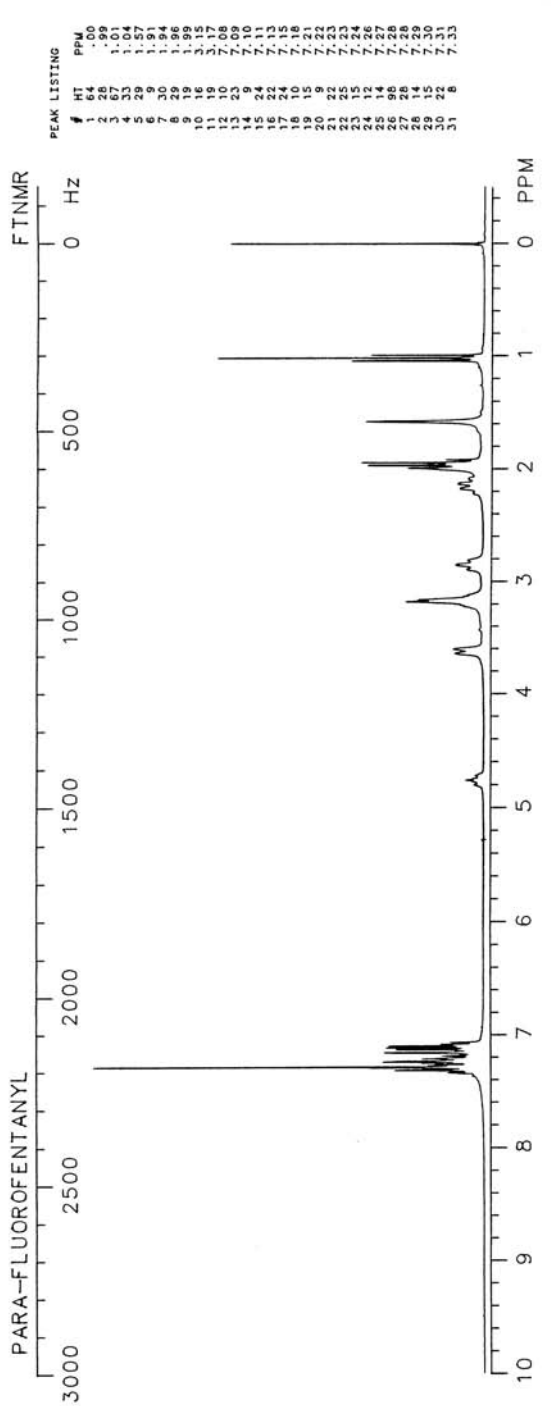
Use: Hallucinogen
HPLC: Si-10; 2A:98B; 6.6
GC: 2741; 280°C

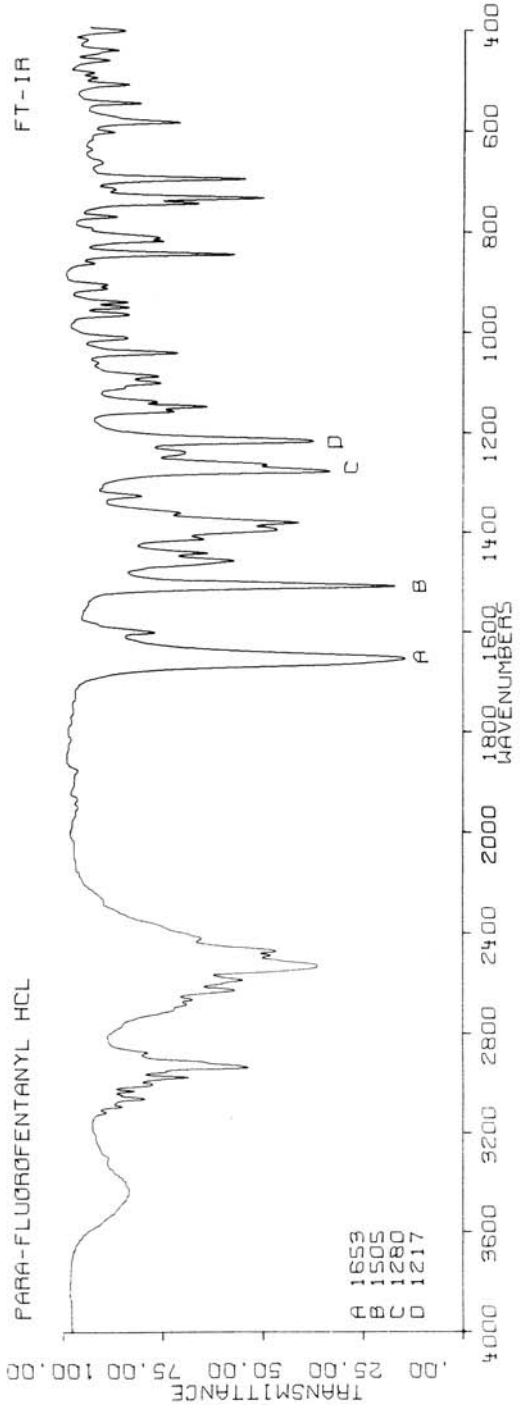




PARA-FLUOROFENTANYL




PARA-FLUOROFENTANYL
FTNMR
PEAK LISTING
HT PPM
1 64 .00
2 26 .99
3 67 1.01
4 33 1.04
5 29 1.57
6 9 1.91
7 30 1.94
8 29 1.96
9 19 1.98
10 16 3.15
11 19 3.17
12 10 7.08
13 23 7.09
14 9 7.10
15 24 7.11
16 22 7.13
17 24 7.15
18 10 7.18
19 15 7.21
20 9 7.22
21 22 7.23
22 25 7.24
23 12 7.26
24 12 7.27
25 14 7.28
26 98 7.28
27 28 7.28
28 14 7.29
29 15 7.30
30 22 7.31
31 8 7.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

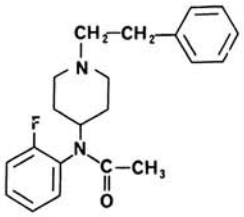

FT-IR
PARA-FLUOROFENTANYL HCL
A 1653
B 1505
C 1280
D 1217
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

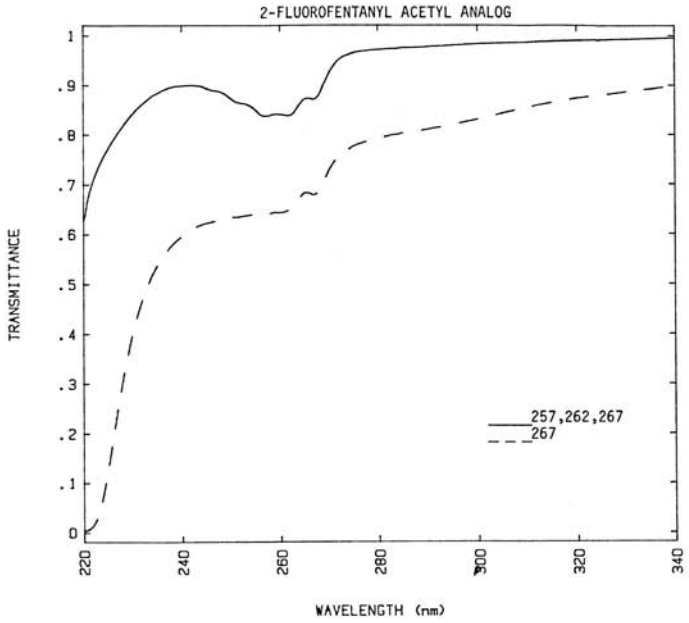
2-FLUOROFENTANYL ACETYL ANALOG

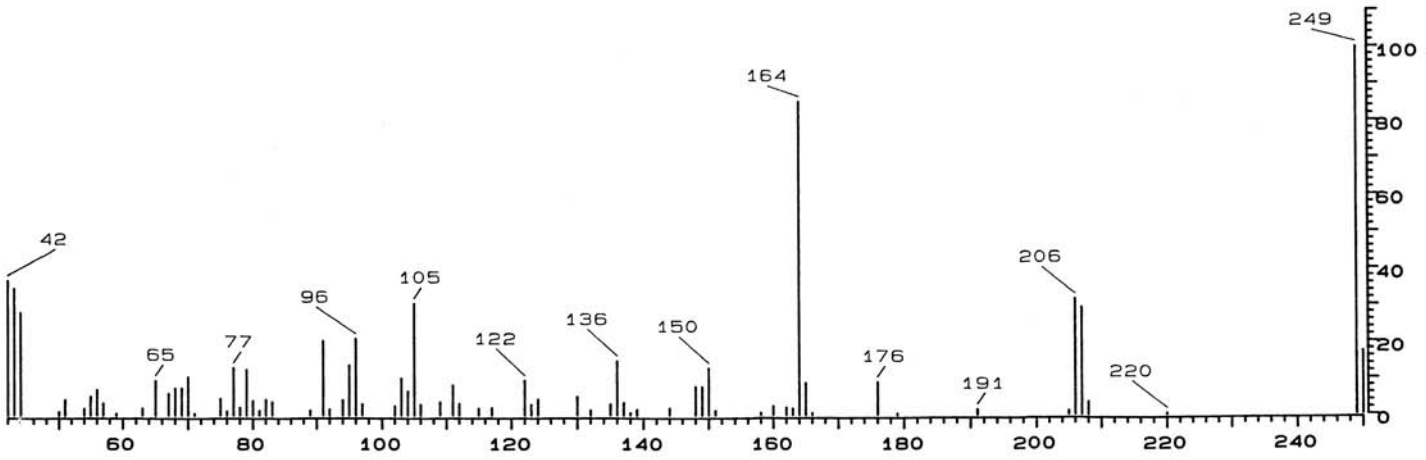
$C_{21}H_{25}N_2FO$

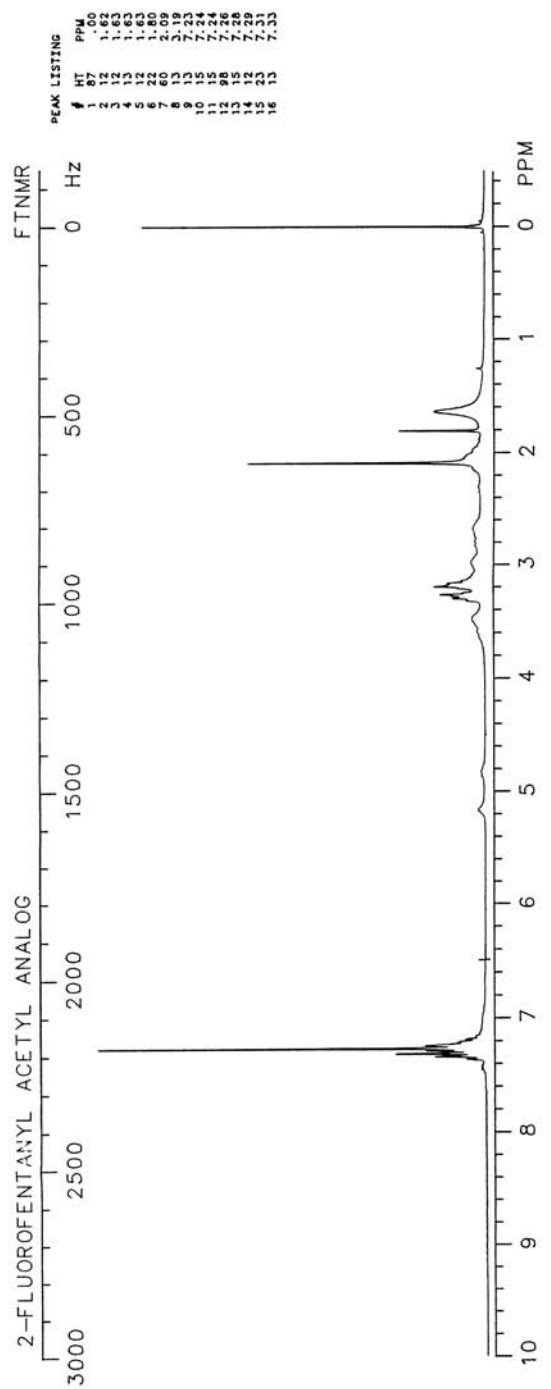
Molecular weight: 340.29 (340.20)
Synonyms: Ortho-Fluorophenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-acetamide
Trade names:

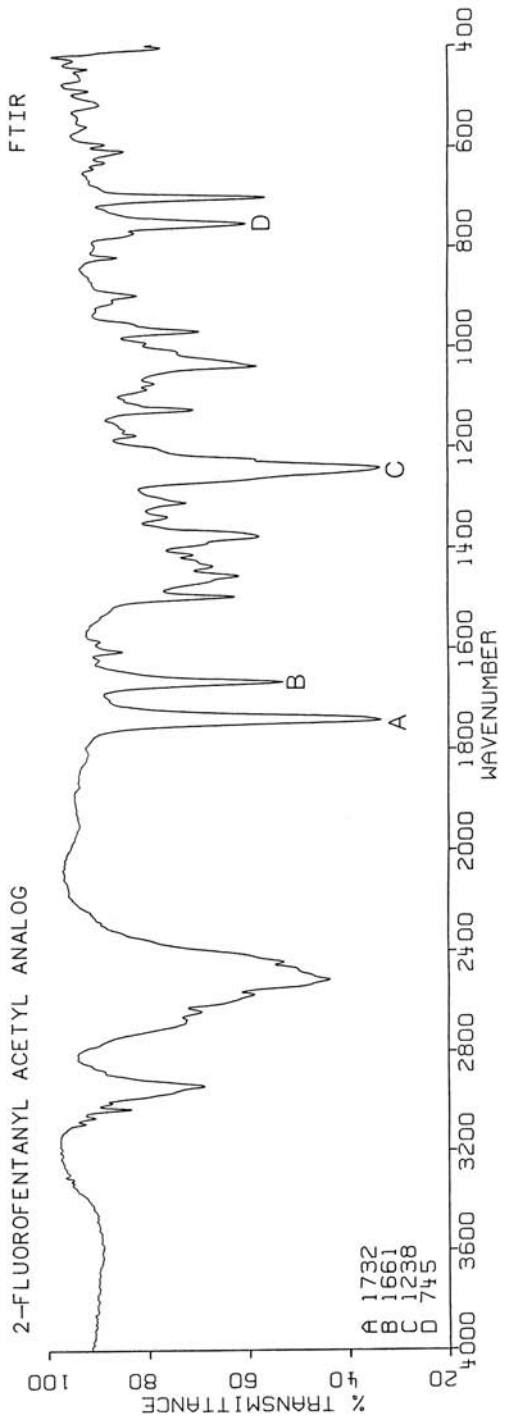
Use:
HPLC: Si-10; 2A:98B; 4.7
GC: ?660; 280°C








2-FLUOROFENTANYL ACETYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 87 7.00
2 12 1.62
3 12 1.62
4 13 1.63
5 12 1.63
6 22 1.80
7 60 2.09
8 13 2.19
9 13 7.23
10 15 7.24
11 15 7.24
12 98 7.26
13 15 7.28
14 12 7.29
15 23 7.31
16 15 7.33
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

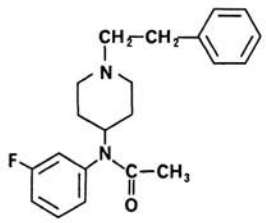

2-FLUOROFENTANYL ACETYL ANALOG
FTIR
A 1732
B 1661
C 1238
D 745
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

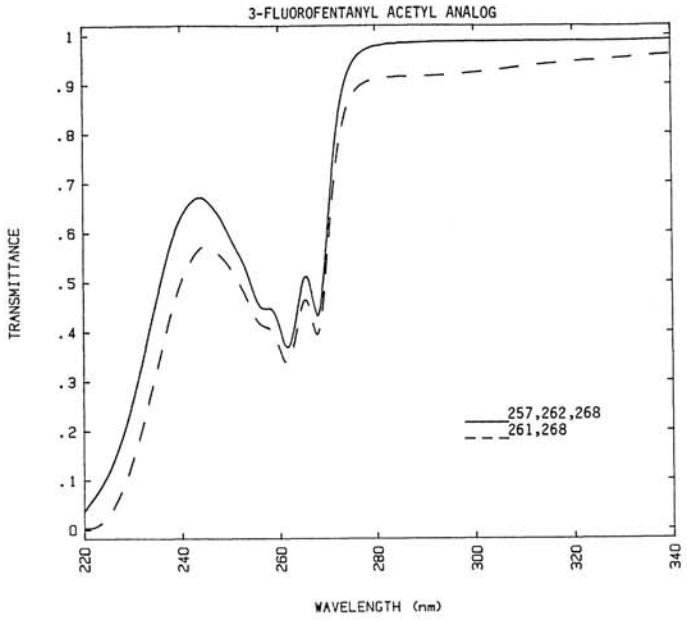
3-FLUOROFENTANYL ACETYL ANALOG

$C_{21}H_{25}N_2FO$

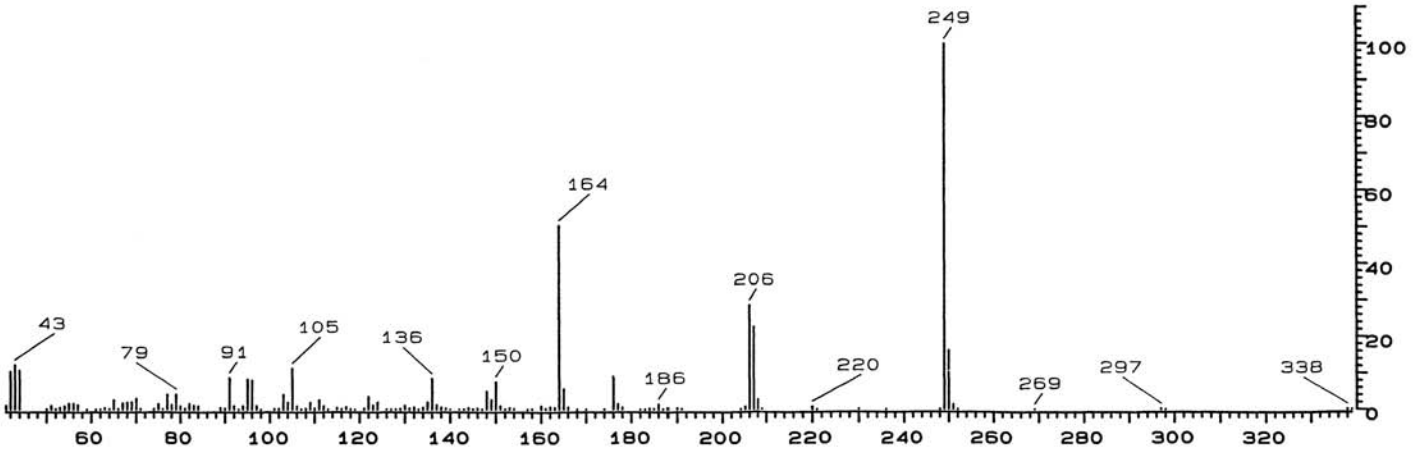
Molecular weight: 340.24 (340.20)
Synonyms: Meta-Fluorophenyl-N-[1-(2-phenylethyl)-4-piperidinyl]-acetamide
Trade names:

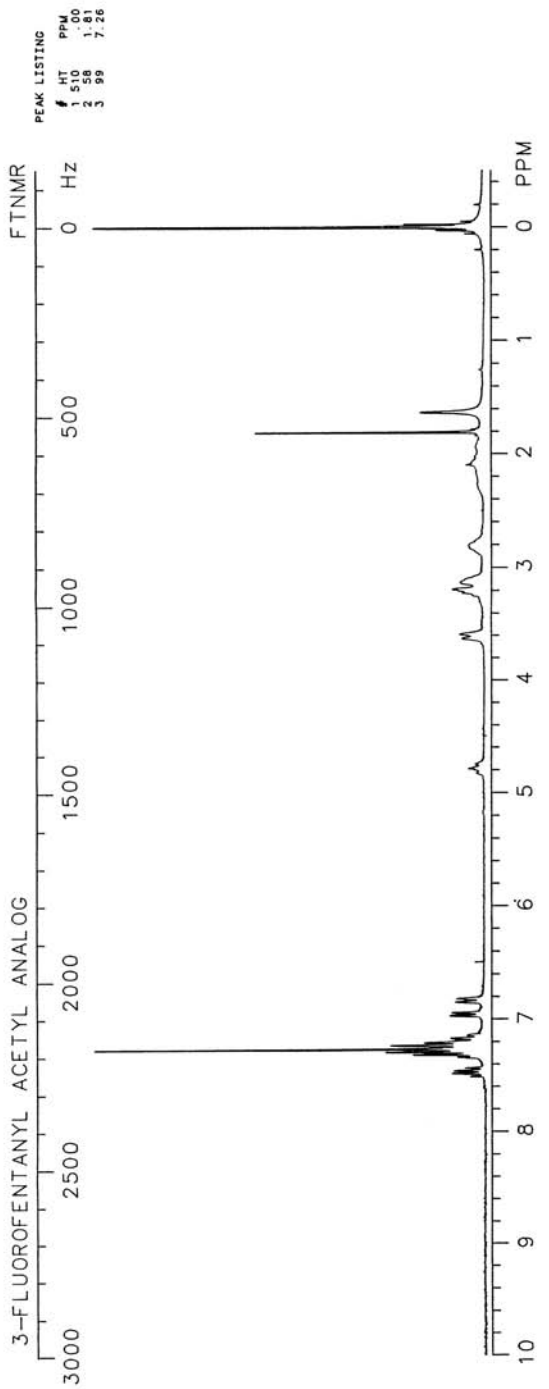
Use:
HPLC: Si-10; 2A:98B; 3.8
GC: 2612; 280°C

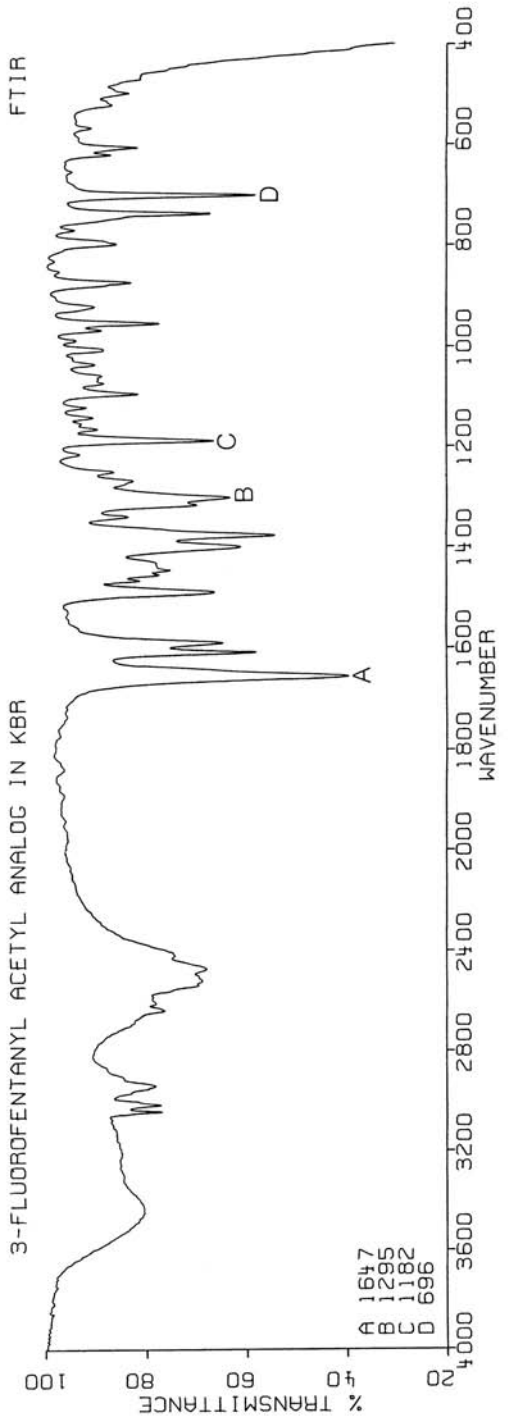




3-FLUOROFENTANYL ACETYL ANALOG




3-FLUOROFENTANYL ACETYL ANALOG
FTNMR
PEAK LISTING
HT PPM
1 510 .00
2 58 1.81
3 99 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

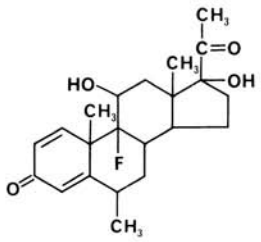

3-FLUOROFENTANYL ACETYL ANALOG IN KBR
FTIR
A 1647
B 1295
C 1182
D 696
A
B
C
D
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

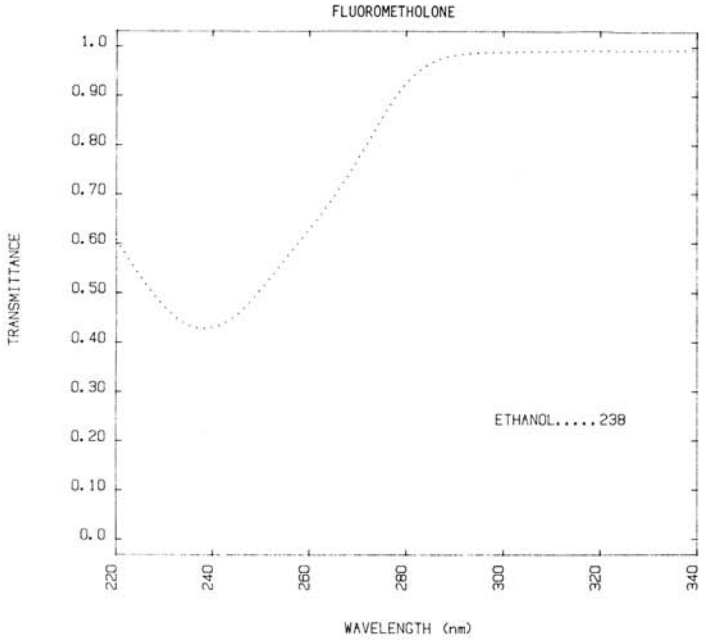
FLUOROMETHOLONE

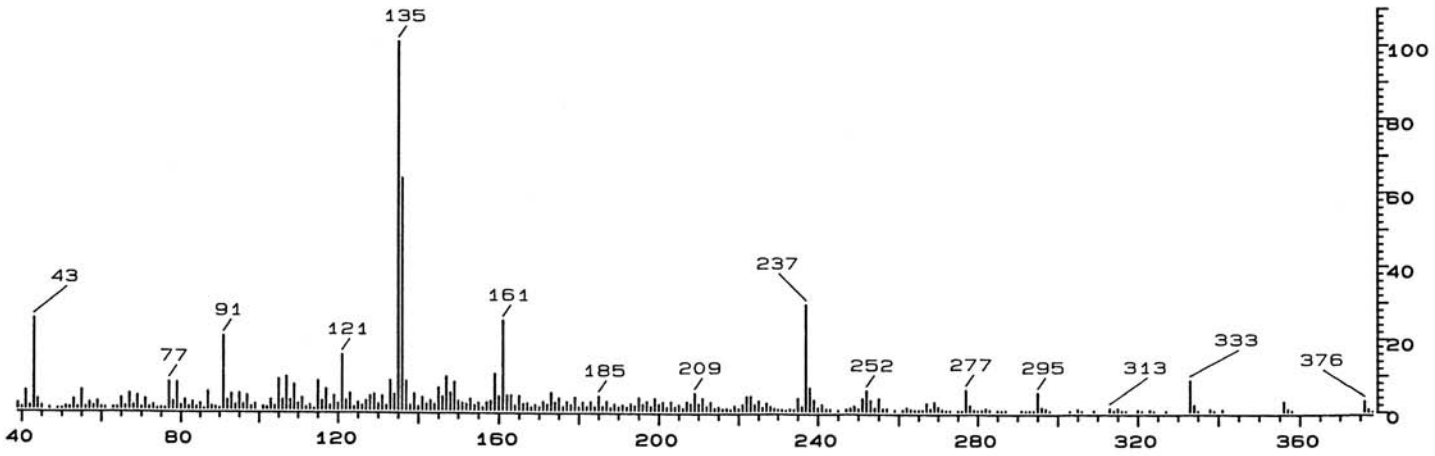
$C_{22}H_{29}FO_4$

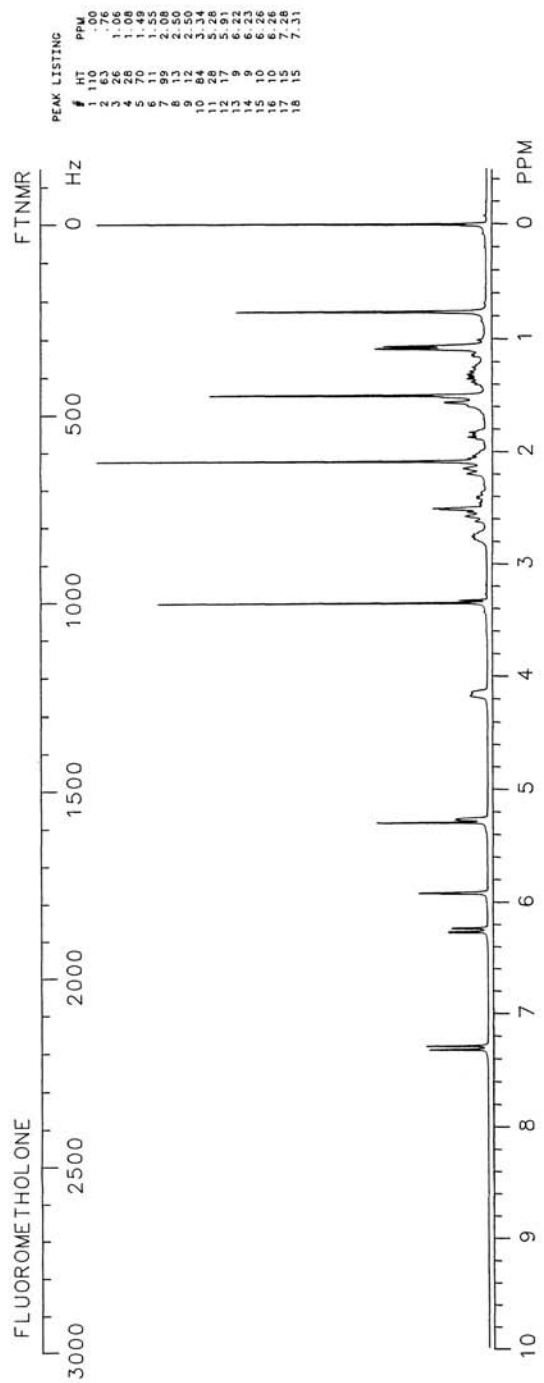
Molecular weight: 376.47 (376.21)
Synonyms: 9-Fluoro-11β,17-dihydroxy-6α-methylpregna-1,4-diene-3,20-dione; fluormetholon
Trade names: Oxylane

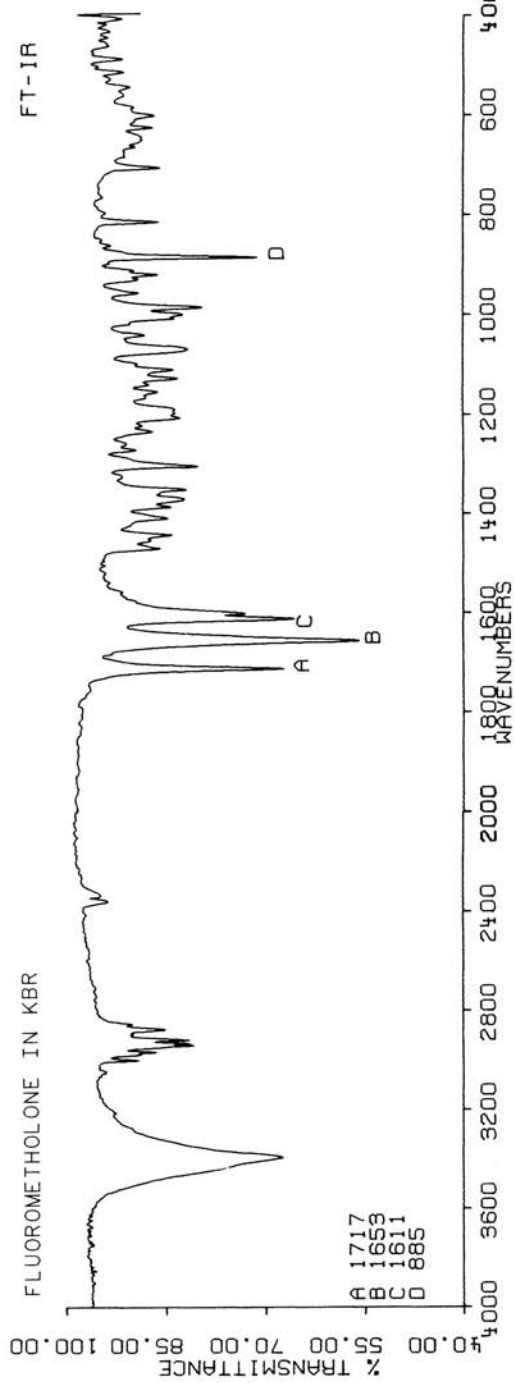
Use: Glucocorticoid, anti-inflammatory
HPLC: Si-10; 100B; 4.0
GC:








FTNMR
FLUOROMETHOLONE
PEAK LISTING
HT PPM
1 110 .00
2 63 .76
3 26 1.06
4 28 1.08
5 70 1.49
6 11 1.55
7 91 2.08
8 13 2.50
9 12 2.50
10 84 3.34
11 28 5.28
12 17 5.91
13 9 6.22
14 9 6.23
15 10 6.26
16 10 6.26
17 15 7.28
18 15 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FT-IR
FLUOROMETHOLONE IN KBR
A 1717
B 1653
C 1611
D 885
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

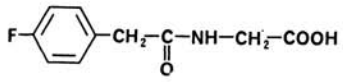
FLUOROPHENYL ACETYL GLYCINE

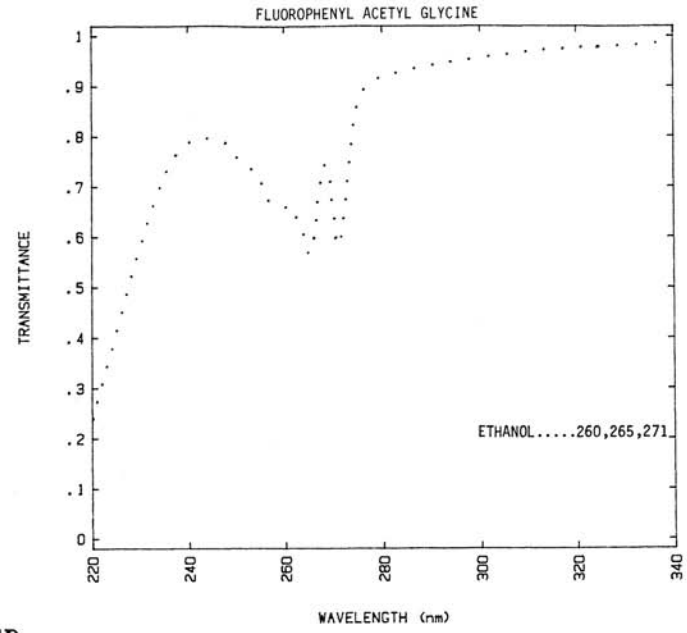
$C_{10}H_{10}FNO_3$

Molecular weight: 211.18 (211.06)
Synonyms: N-[(4-Fluorophenyl)acetyl]glycine

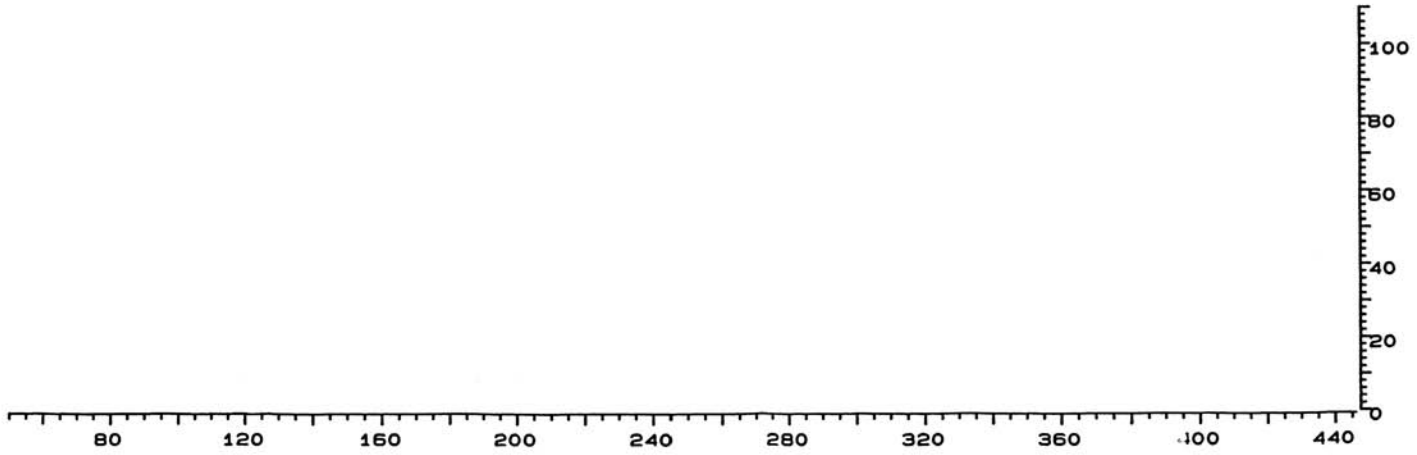
Trade names:

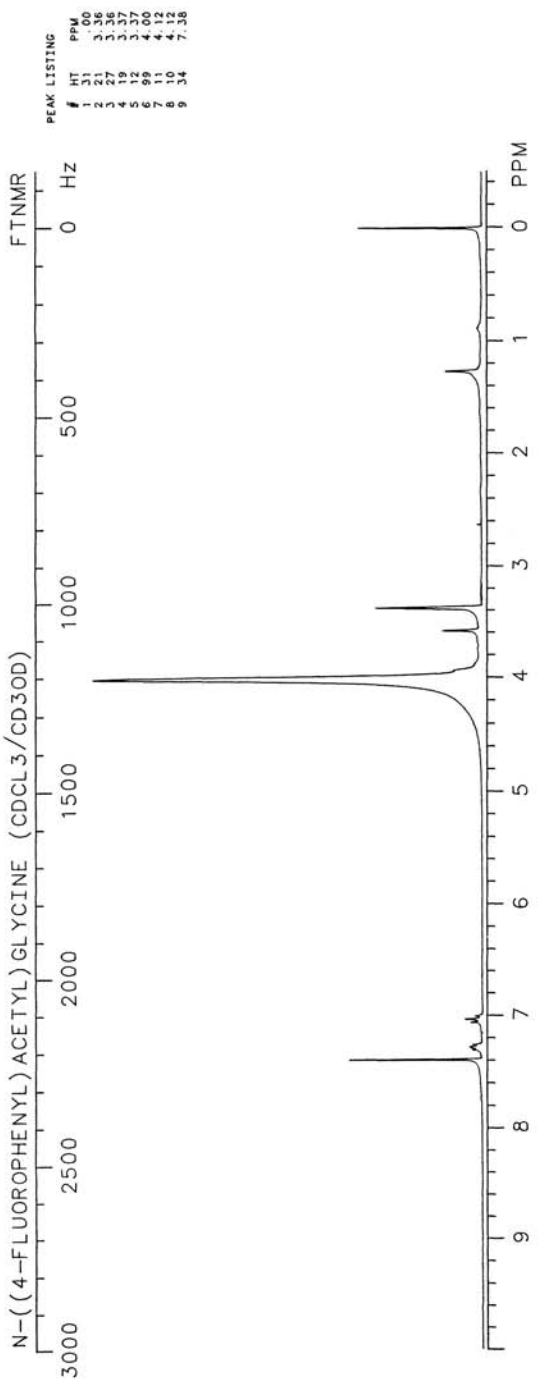
Use:
HPLC: Si-10; 20A:80B; 3.3
GC: 2809; 280°C

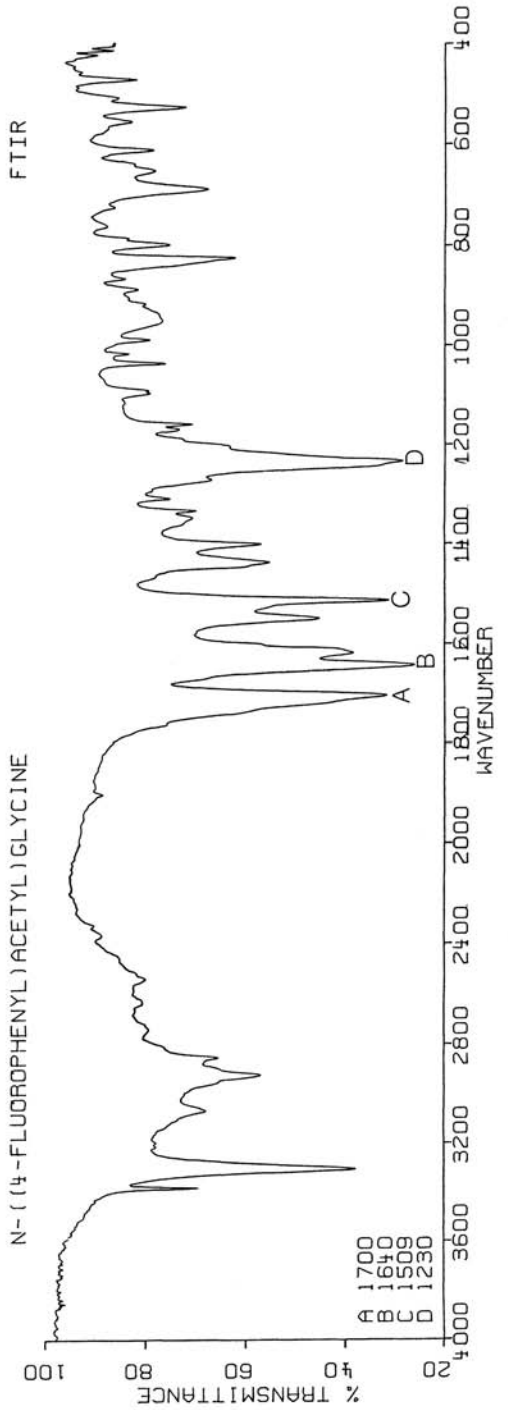




NO USEFUL MASS SPECTRUM WAS OBTAINED




N-((4-FLUOROPHENYL)ACETYL)GLYCINE (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 31 .00
2 21 3.36
3 27 3.36
4 19 3.37
5 12 3.37
6 89 4.00
7 11 4.12
8 10 4.12
9 34 7.38

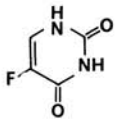

N-((4-FLUOROPHENYL)ACETYL)GLYCINE
FTIR
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1700
B 1640
C 1509
D 1230

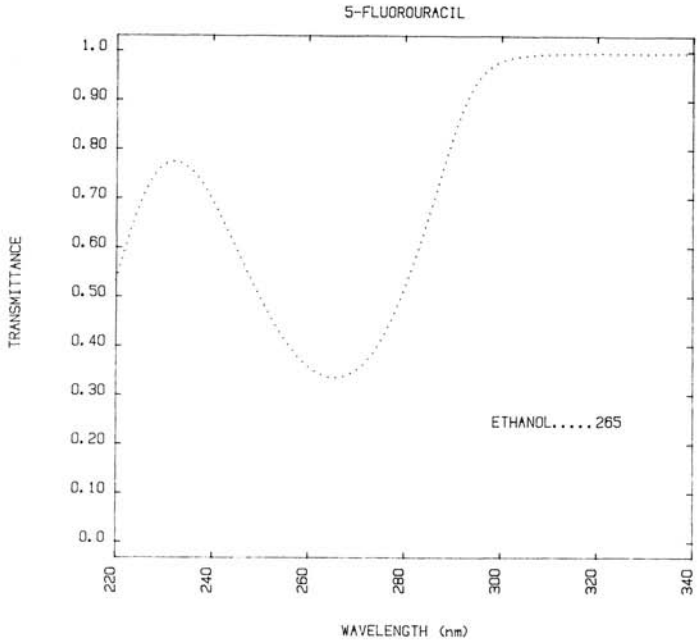
FLUOROURACIL

$C_4H_3FN_2O_2$

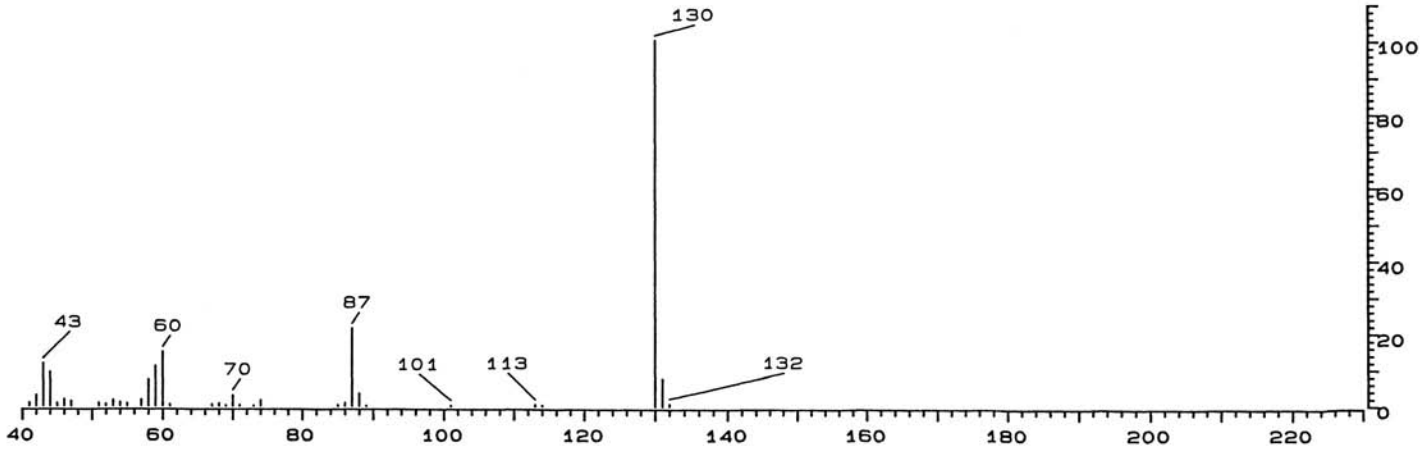
Molecular weight: 130.08 (130.02)
Synonyms: 5-Fluoro-2,4(1H,3H)-pyrimidinedione; 2,4-dioxo-5-fluoropyrimidine
Trade names: Adrucil, Efudex, Fluoroplex, Fluorouracil

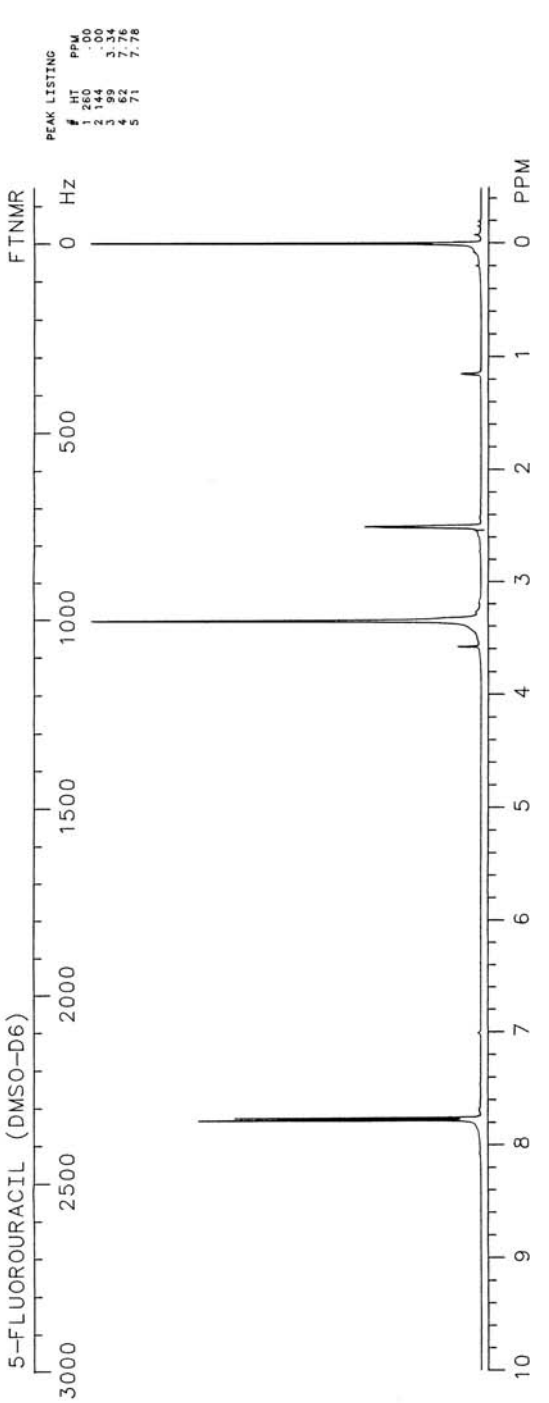
Use: Antineoplastic
HPLC: Si-10; 5A:95B; 4.0
GC:

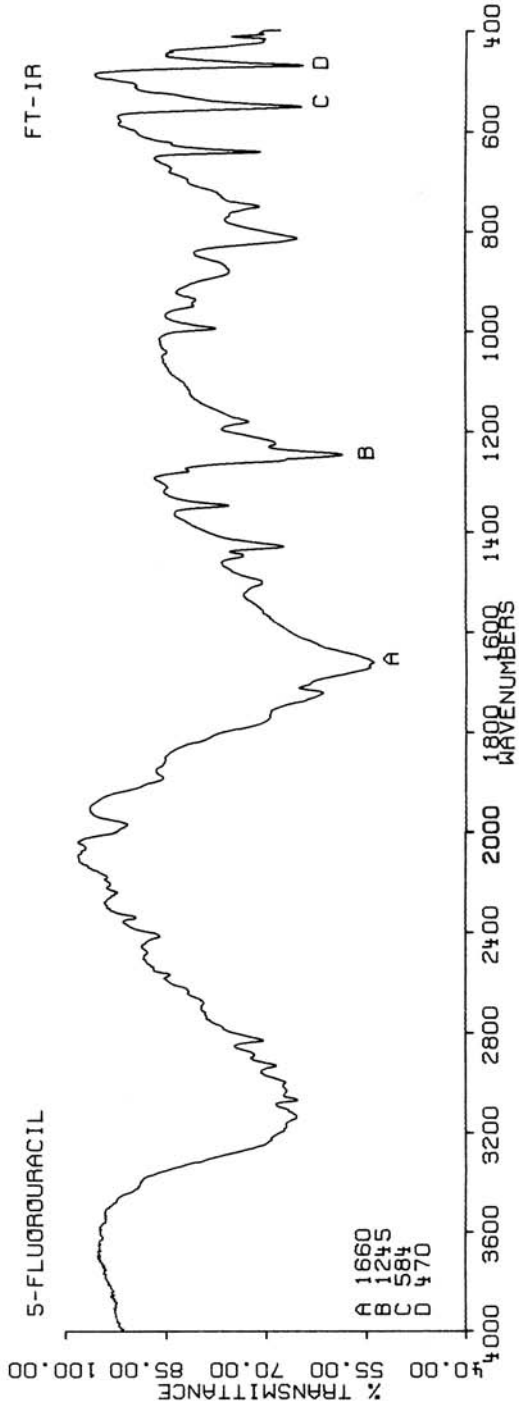




FLUOROURACIL--DIP




5-FLUOROURACIL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 260 .00
2 144 .00
3 99 3.34
4 62 7.76
5 71 7.78
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


5-FLUOROURACIL
FT-IR
A 1660
B 1245
C 584
D 470
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

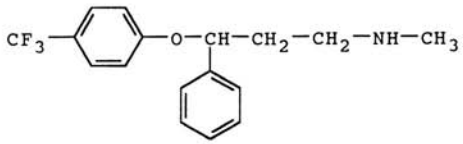
FLUOXETINE

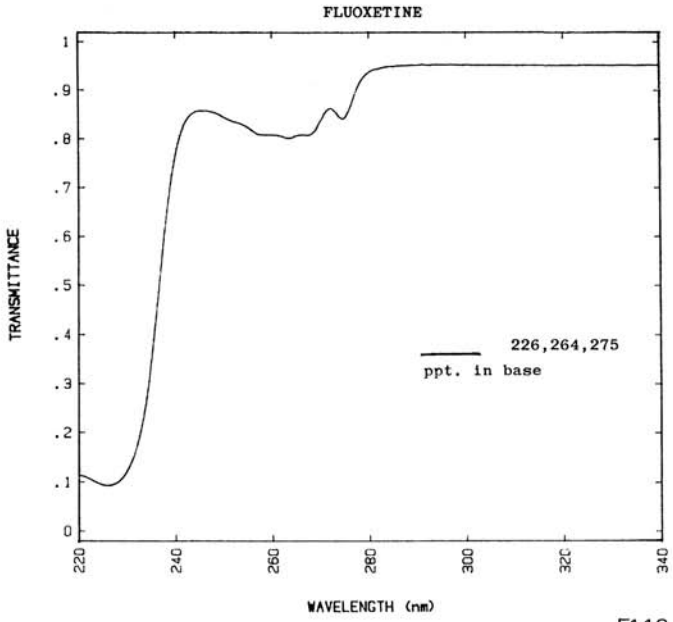
$C_{17}H_{18}F_3NO$

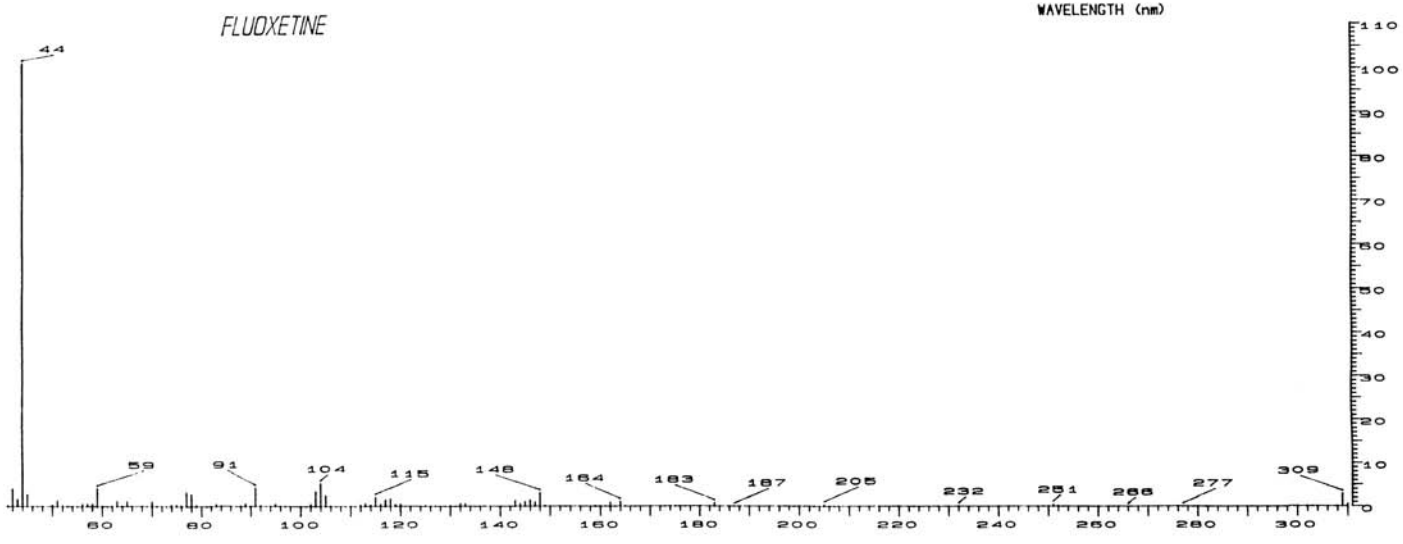
Molecular weight: 309.33 (309.13)

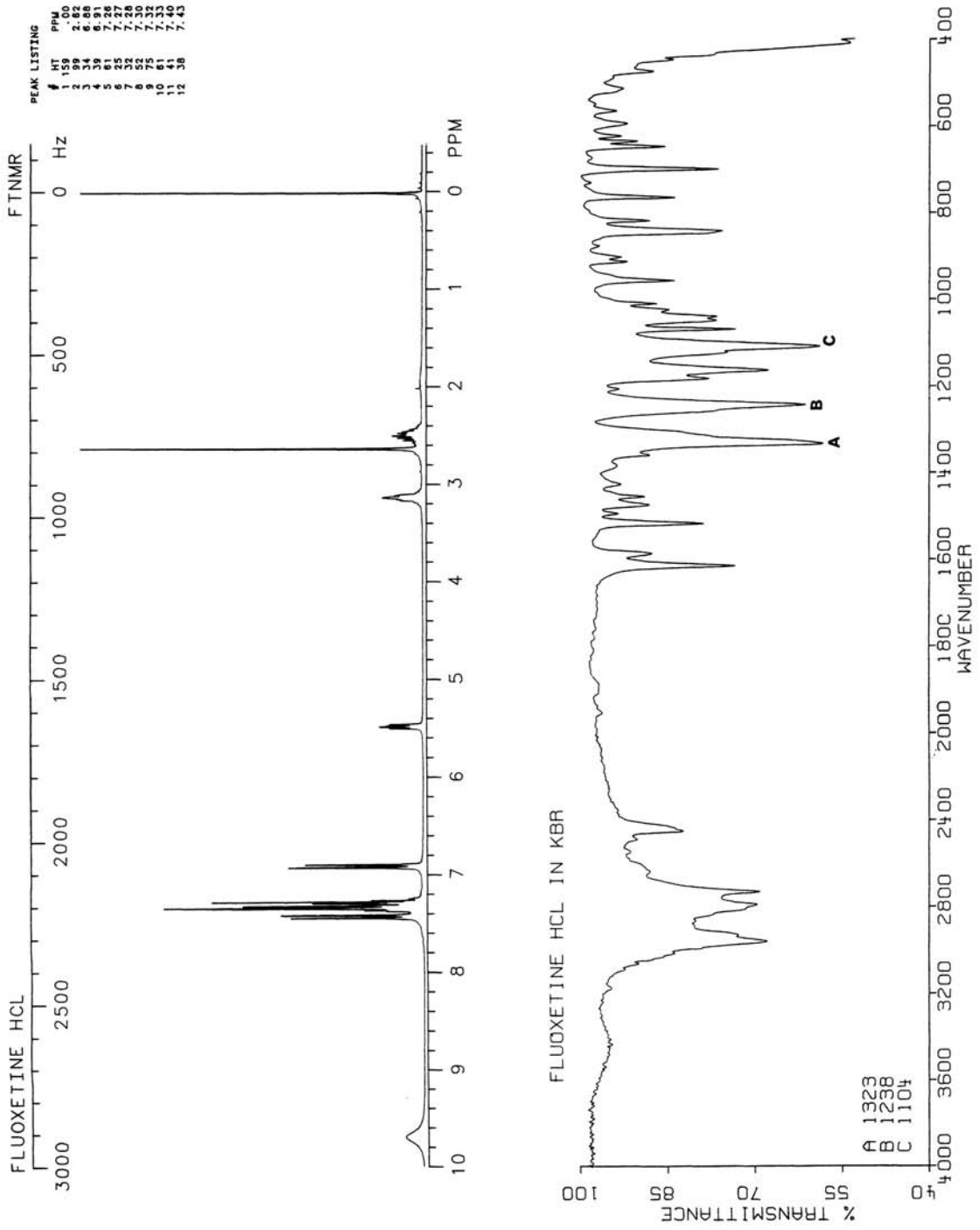
Synonyms: (+)-N-Methyl-γ-[4-trifluoromethyl)phenoxy] benzenepropanamine
Trade names: Fontex, Prozac

Use: Antidepressant
HPLC: 90A:10C; 3.1
GC: 1864; 200°








FLUOXETINE HCL
FTNMR
PEAK LISTING
HT PPM
1 159 .00
2 99 2.82
3 34 6.88
4 39 6.91
5 61 7.26
6 25 7.27
7 32 7.28
8 52 7.30
9 75 7.32
10 61 7.33
11 41 7.40
12 38 7.43
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUOXETINE HCL IN KBR
A 1323
B 1238
C 1104
A
B
C
100 85 70 55 40 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

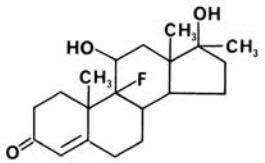
FLUOXYMESTERONE

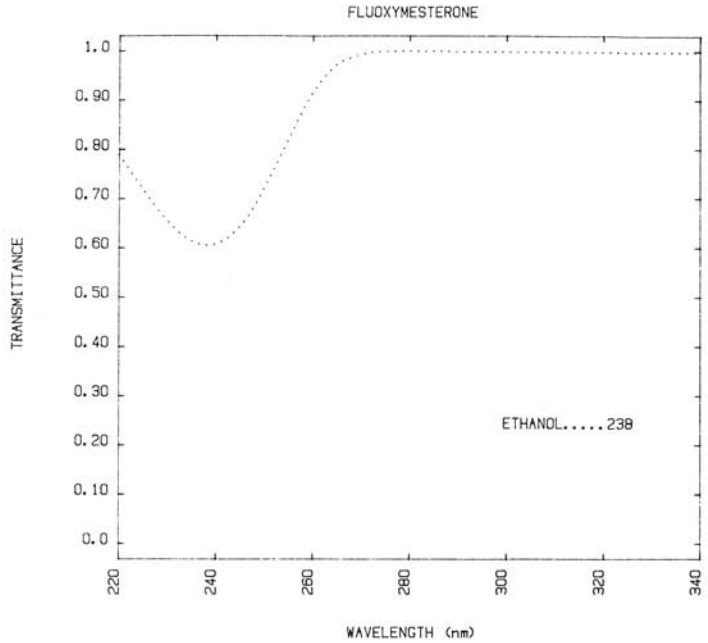
$C_{20}H_{29}FO_3$

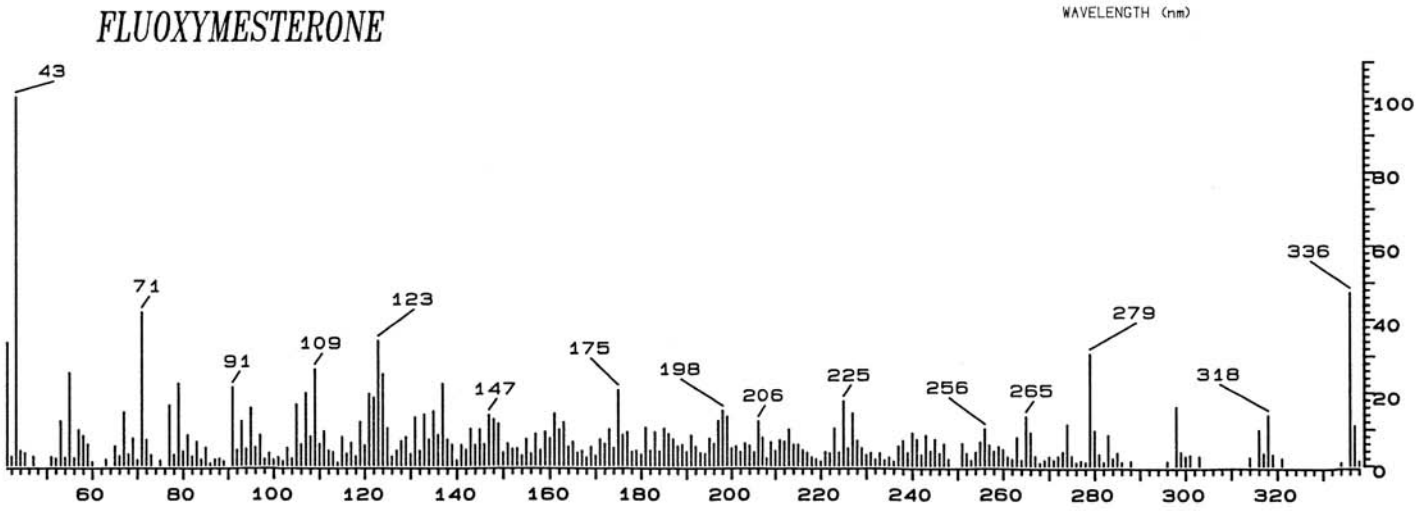
Molecular weight: 336.45 (336.21)
Synonyms: 9-Fluoro-11β,17β-dihydroxy-17-methylandrost-4-en-3-one

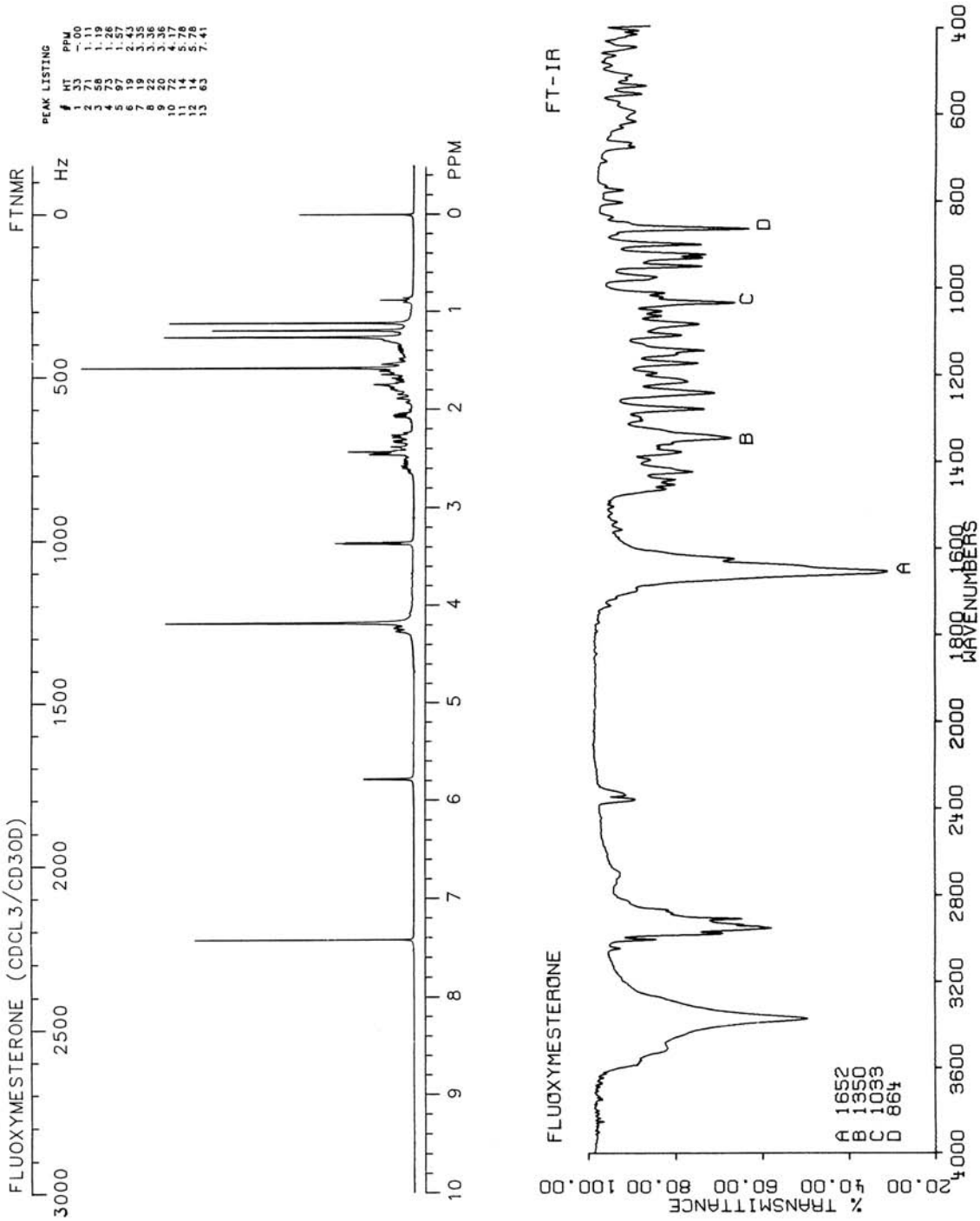
Trade names: Android-F, Halotestin

Use: Androgen
HPLC: Si-10; 2A:98B; 5.0
GC: 2954; 280°C








FTNMR
FLUOXYMESTERONE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 33 -.00
2 71 1.11
3 58 1.19
4 73 1.26
5 97 1.57
6 19 2.43
7 19 3.35
8 22 3.36
9 20 3.36
10 72 4.17
11 14 5.78
12 14 5.78
13 63 7.41
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FT-IR
FLUOXYMESTERONE
A 1652
B 1350
C 1033
D 864
% 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

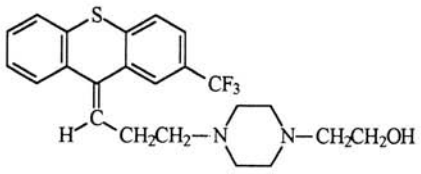
FLUPENTIXOL

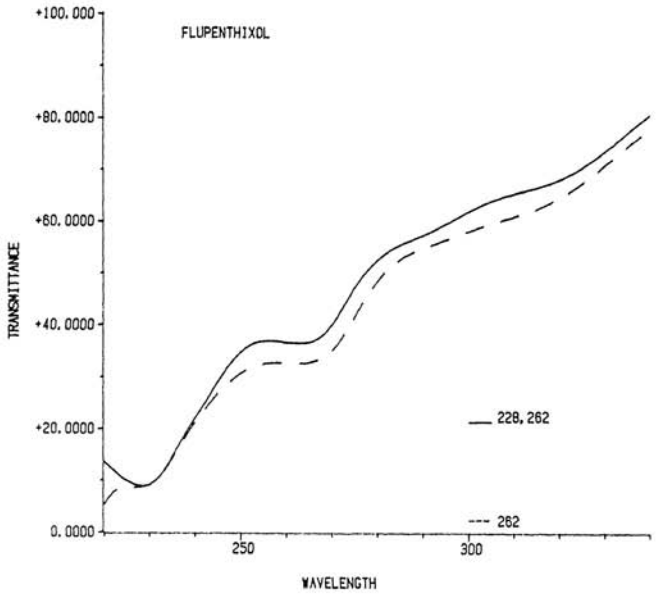
$C_{23}H_{25}F_3N_2OS$

Molecular Weight: 434.54 (434.16)

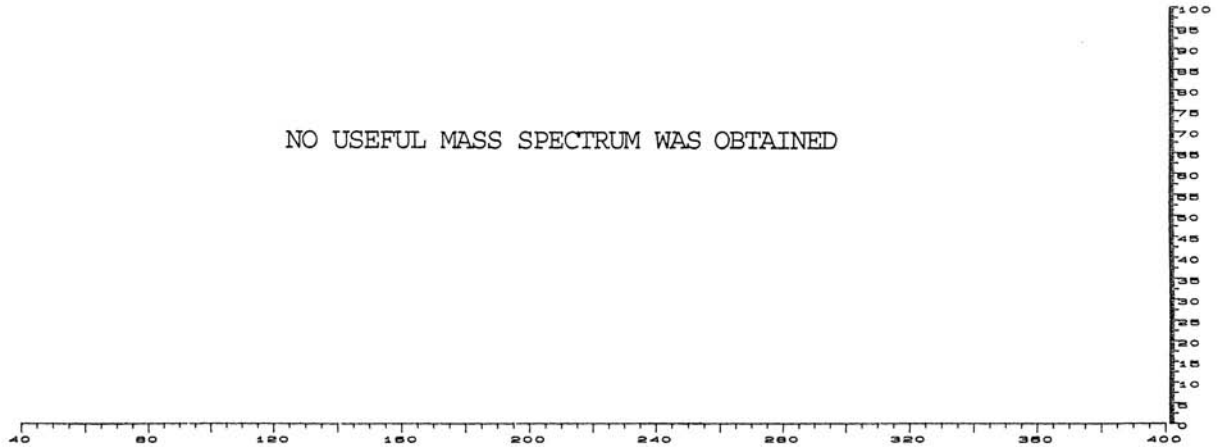
Synonyms: 4-[3-[2-(Trifluoromethyl)-9H-thioxanthen-9-ylidene]propyl]-1 piperazineethanol; flupenthixol
Trade Names: Depixol, Emergil, Fluanxol, Viscoleo
Use: Antipsychotic

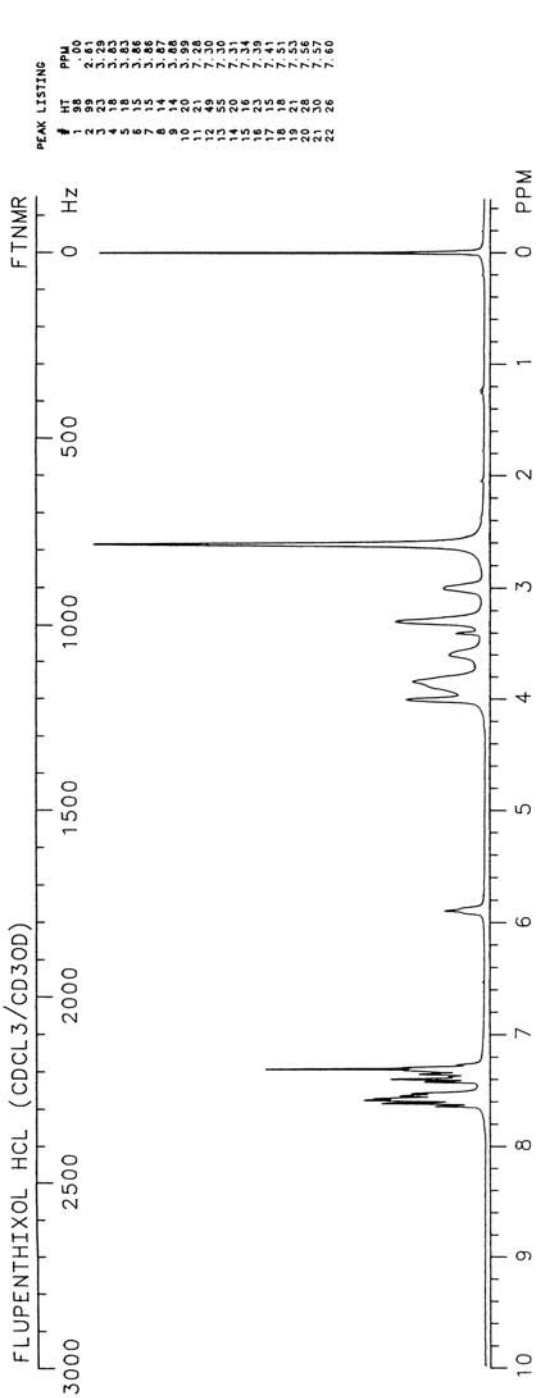
HPLC:
GC:

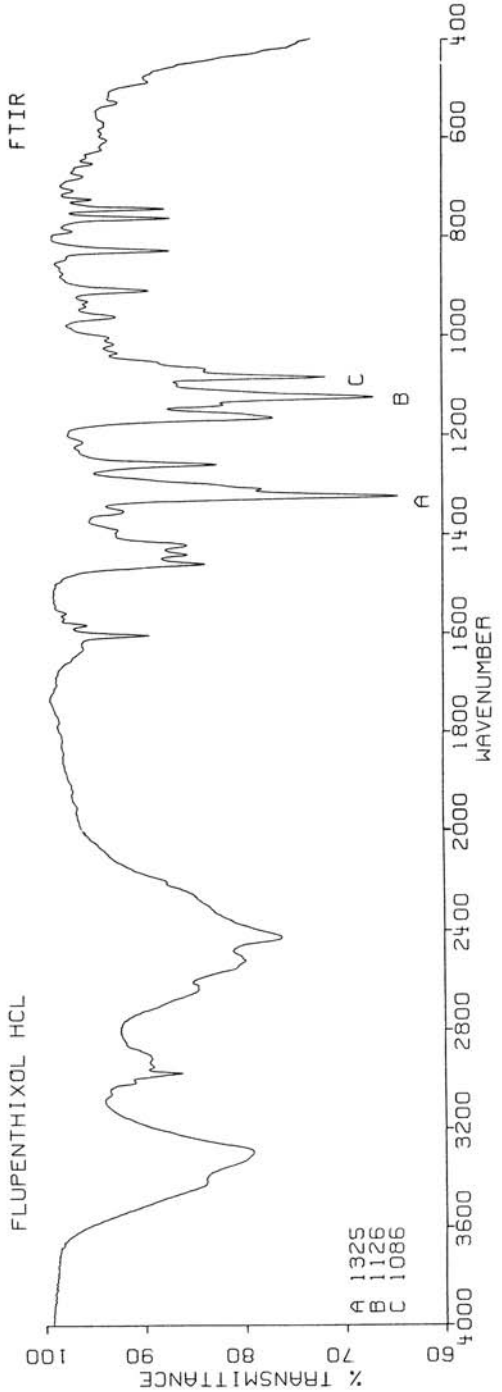




NO USEFUL MASS SPECTRUM WAS OBTAINED




FLUPENTHIXOL 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 98 7.00
2 99 2.61
3 23 3.28
4 18 3.83
5 18 3.85
6 15 3.86
7 15 3.86
8 14 3.87
9 14 3.86
10 20 3.99
11 21 7.28
12 49 7.30
13 55 7.30
14 20 7.31
15 16 7.34
16 23 7.39
17 15 7.41
18 18 7.51
19 21 7.55
20 28 7.56
21 30 7.57
22 26 7.60

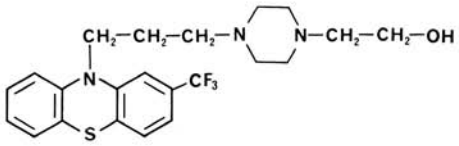

FTIR
FLUPENTHIXOL HCL
% TRANSMITTANCE
100
90
80
70
60
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A 1325
B 1126
C 1086
A
B
C

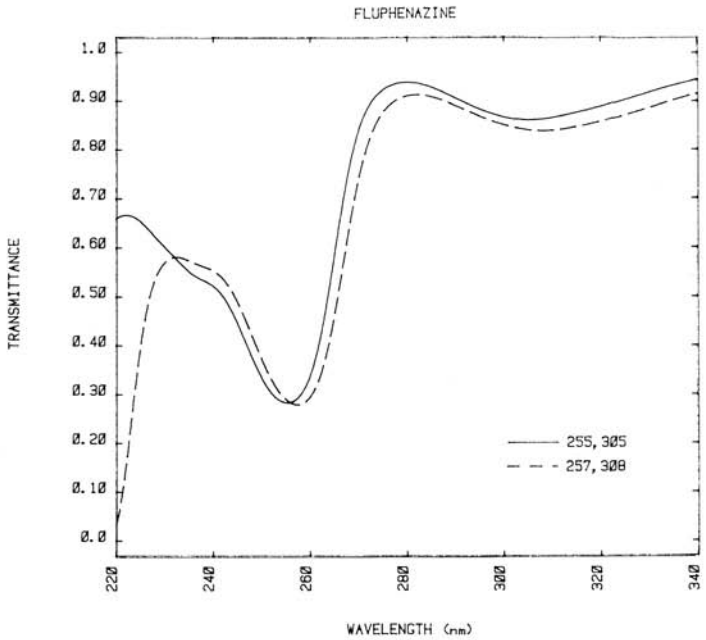
FLUPHENAZINE

$C_{22}H_{26}F_3N_3OS$

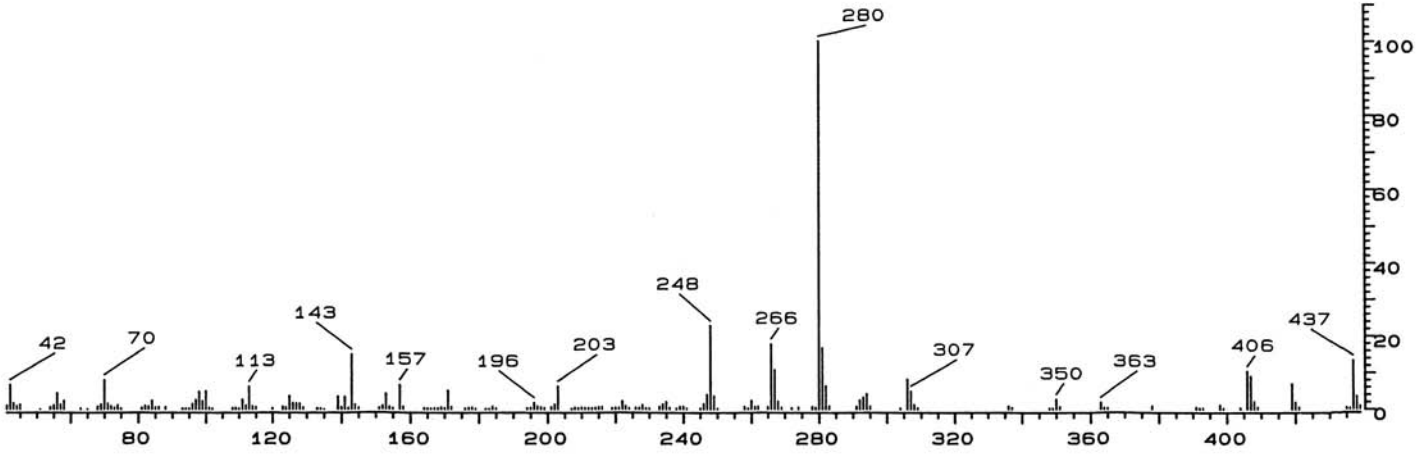
Molecular weight: 437.52 (437.18)
Synonyms: 4-[3-[2-(Trifluoromethyl)-10H-phenothiazin-10-yl]-propyl]-1-piperazineethanol
Trade names: Permitil, Prolixin, Vespazine

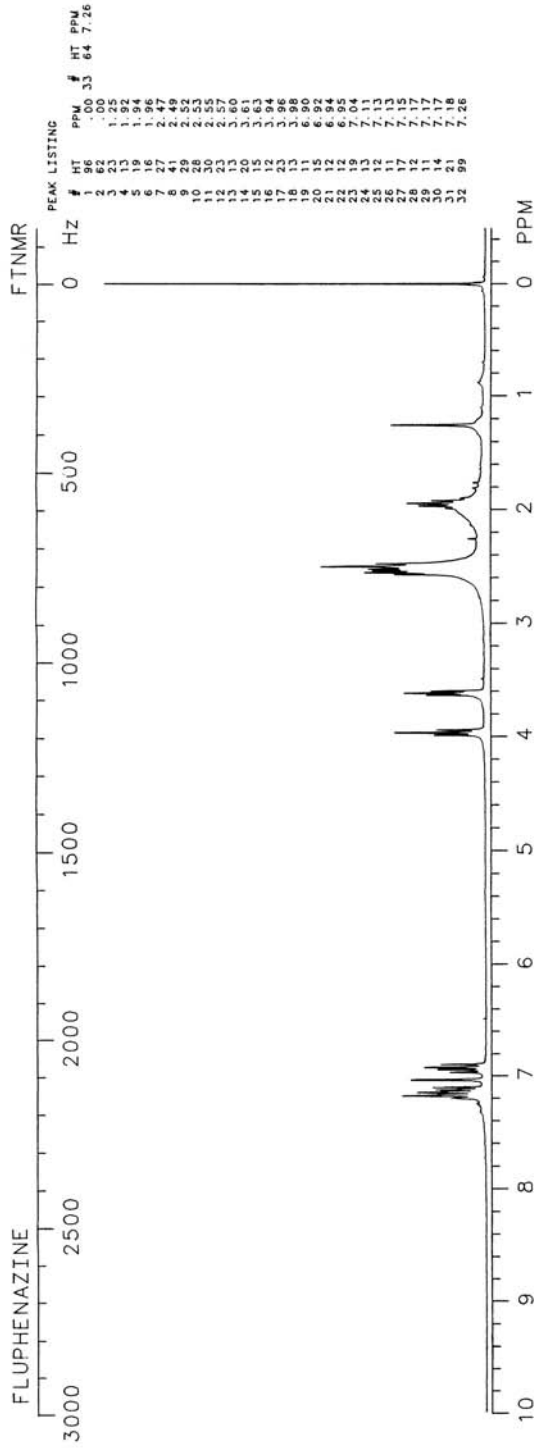
Use: Tranquilizer
HPLC: Si-10; 20A:80B; 4.5
GC: 3102; 280°C

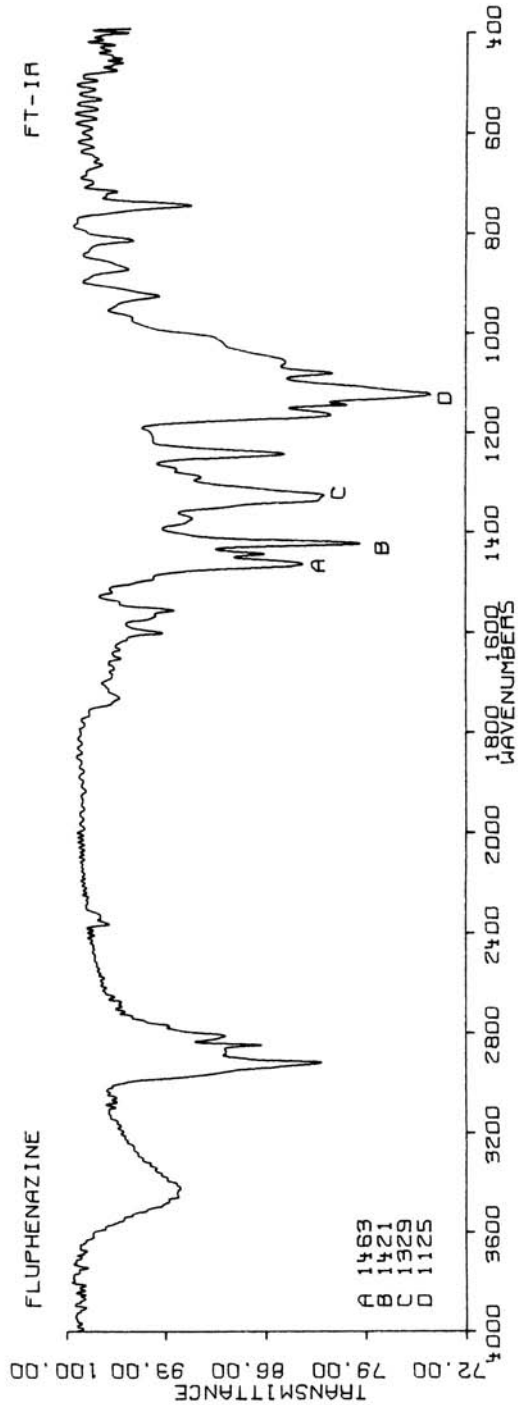




FLUPHENAZINE




FTNMR
FLUPHENAZINE
PEAK LISTING
HT PPM
HT PPM
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

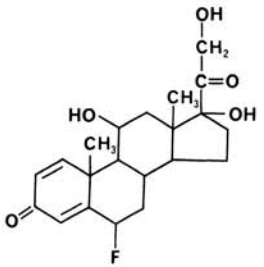

FT-IR
FLUPHENAZINE
A 1463
B 1421
C 1329
D 1125
TRANSMITTANCE
72.00 79.00 86.00 93.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

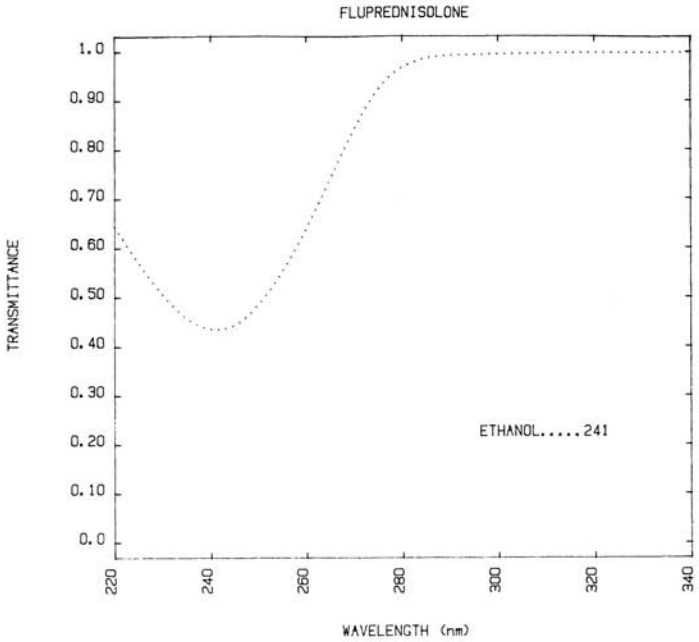
FLUPREDNISOLONE

$C_{21}H_{27}FO_5$

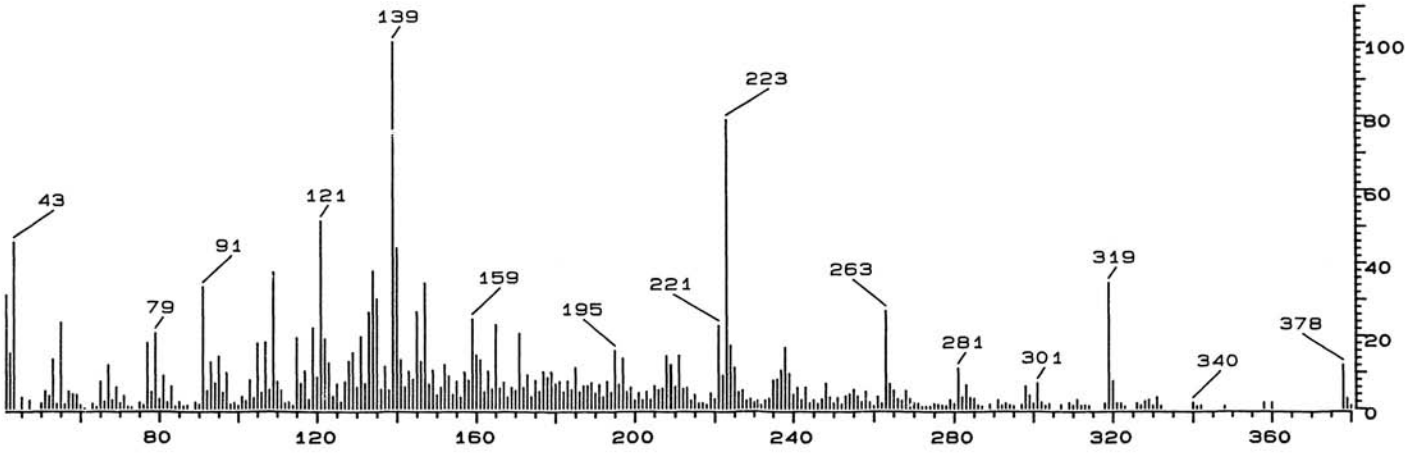
Molecular weight: 378.44 (378.18)
Synonyms: 6α-Fluoro-11β,17α,21-trihydroxypregna-1,4-diene-3,20-dione; 6α-fluoroprednisolone
Trade names: Alphadrol, Etadrol

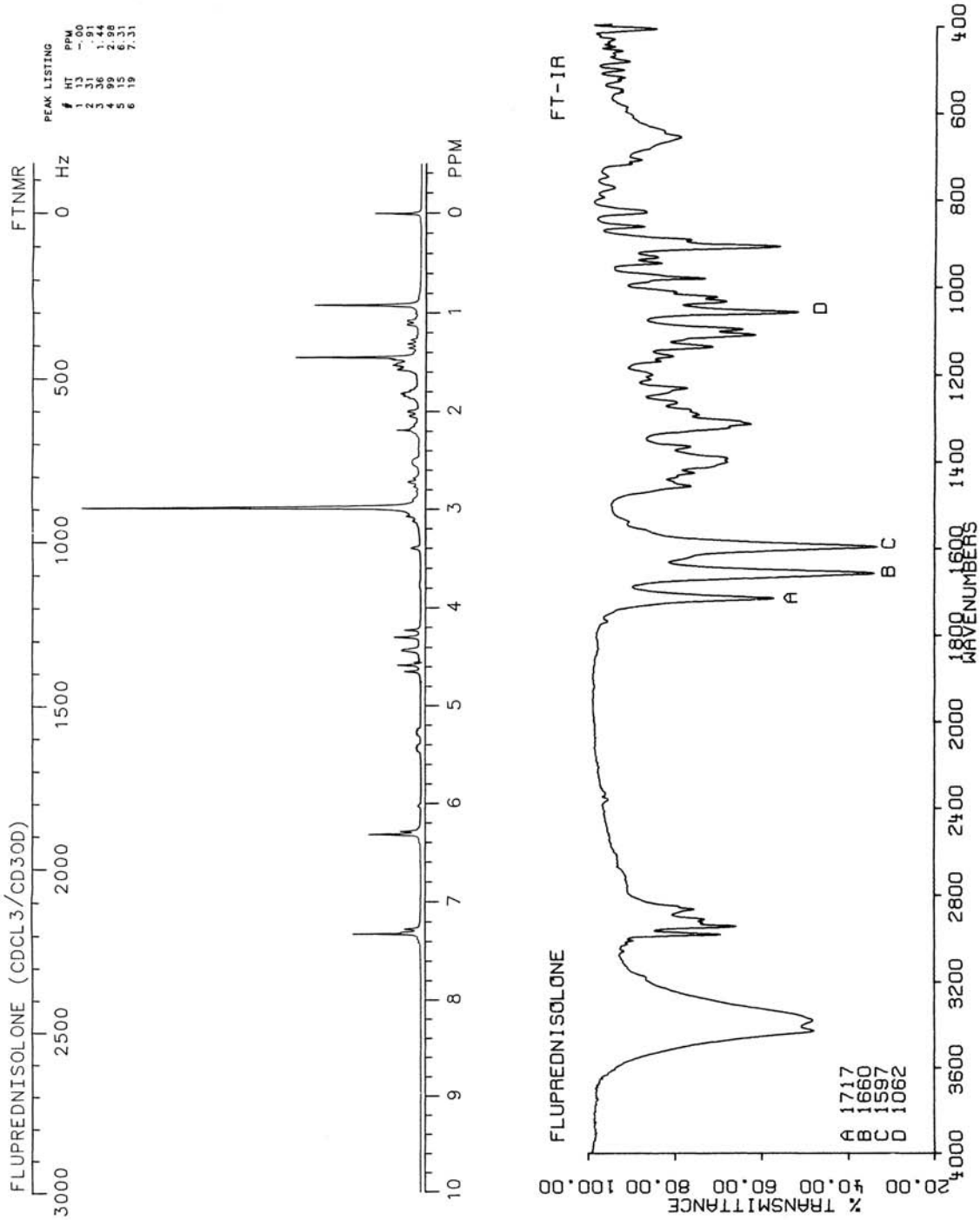
Use: Anti-inflammatory
HPLC:
GC:





FLUPREDNISOLONE--DIP



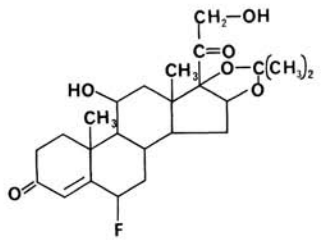

FLUPREDNISOLONE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 13 -.00
2 31 .91
3 36 1.44
4 99 2.98
5 15 6.31
6 19 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUPREDNISOLONE
FT-IR
A 1717
B 1660
C 1597
D 1062
A
B C
D
% TRANSMITTANCE
0.00 20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

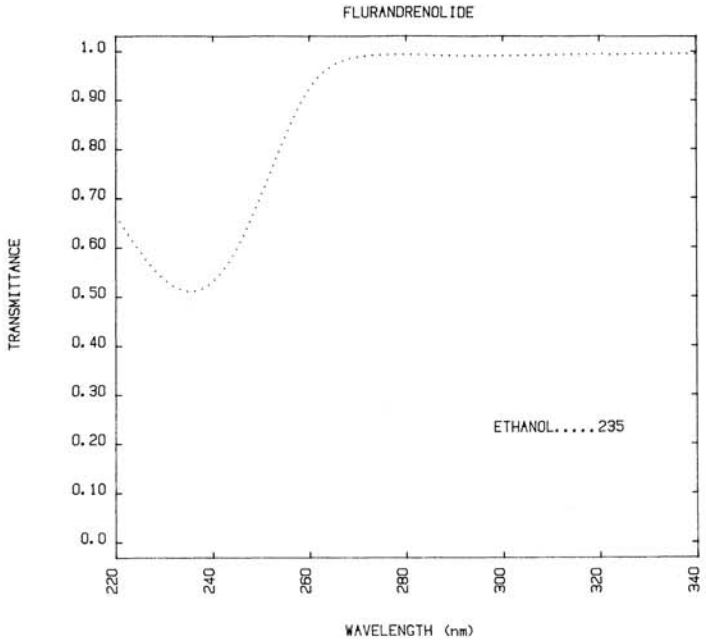
FLURANDRENOLIDE

$C_{24}H_{33}FO_6$

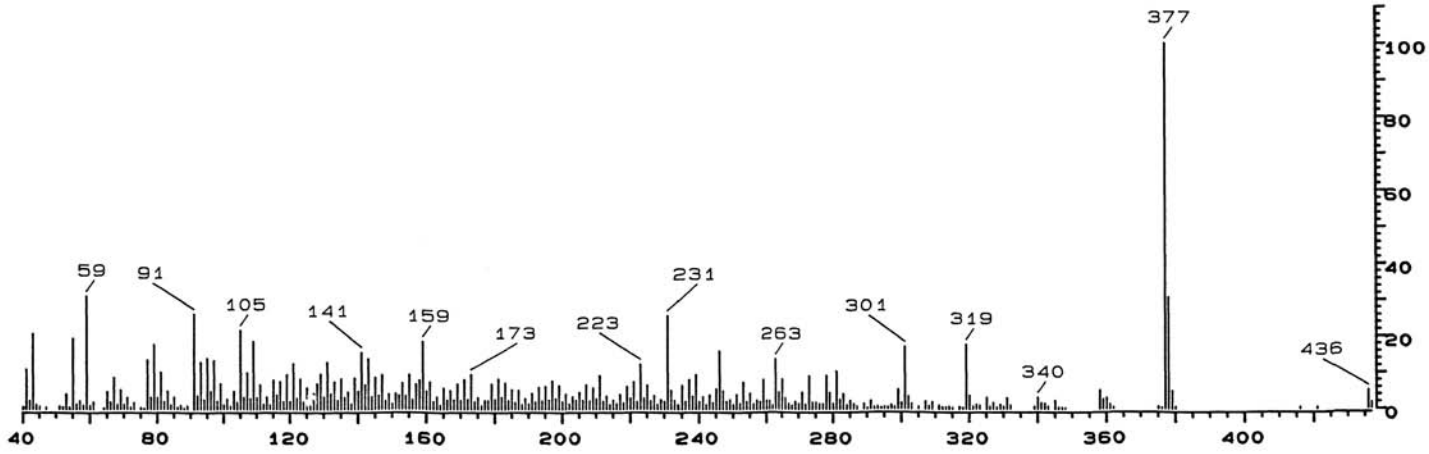
Molecular weight: 436.52 (436.23)
Synonyms: 6α-Fluoro-11β,21-dihydroxy-16α,17-[(1-methylethylidene)-bis(oxy)]pregn-4-ene-3,20-dione; flurandrenolone
Trade names: Cordran

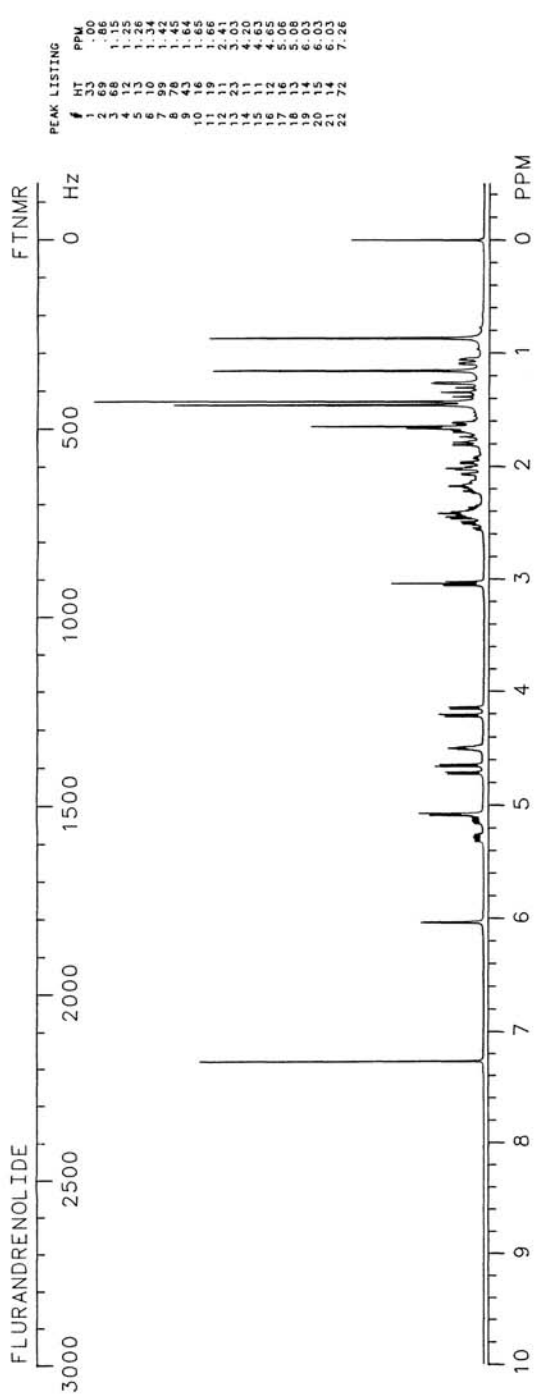
Use: Anti-inflammatory
HPLC: Si-10; 1A:99B; 5.8
GC:

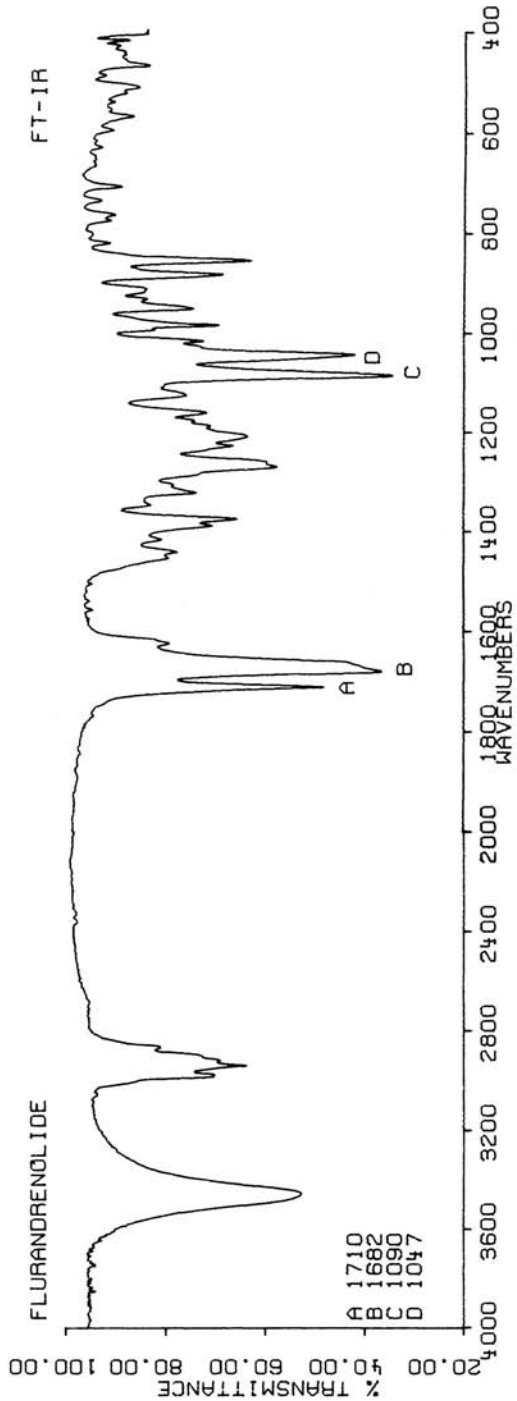




FLURANDRENOLIDE -- DIP




FLURANDRENOLIDE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 PPM
PEAK LISTING
HT PPM
1 33 .00
2 69 .86
3 68 1.15
4 12 1.25
5 10 1.26
6 10 1.34
7 99 1.42
8 78 1.45
9 43 1.64
10 16 1.65
11 19 1.66
12 11 2.41
13 23 3.03
14 11 4.20
15 11 4.63
16 12 4.65
17 16 5.06
18 13 5.08
19 14 6.03
20 15 6.03
21 14 7.26
22 72 7.26

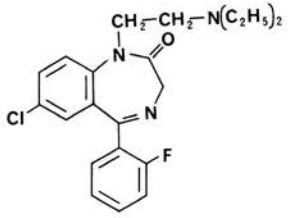

FT-IR
FLURANDRENOLIDE
A 1710
B 1682
C 1090
D 1047
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
20.00 40.00 60.00 80.00 100.00
% TRANSMITTANCE

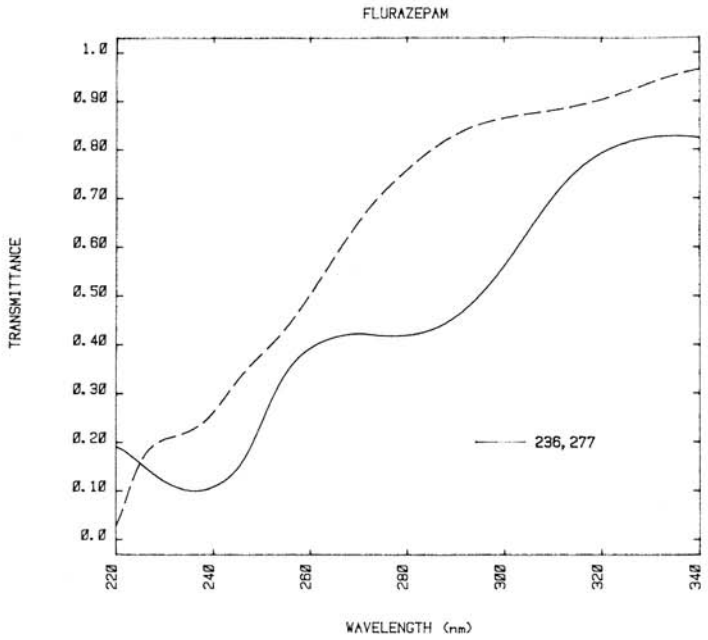
FLURAZEPAM

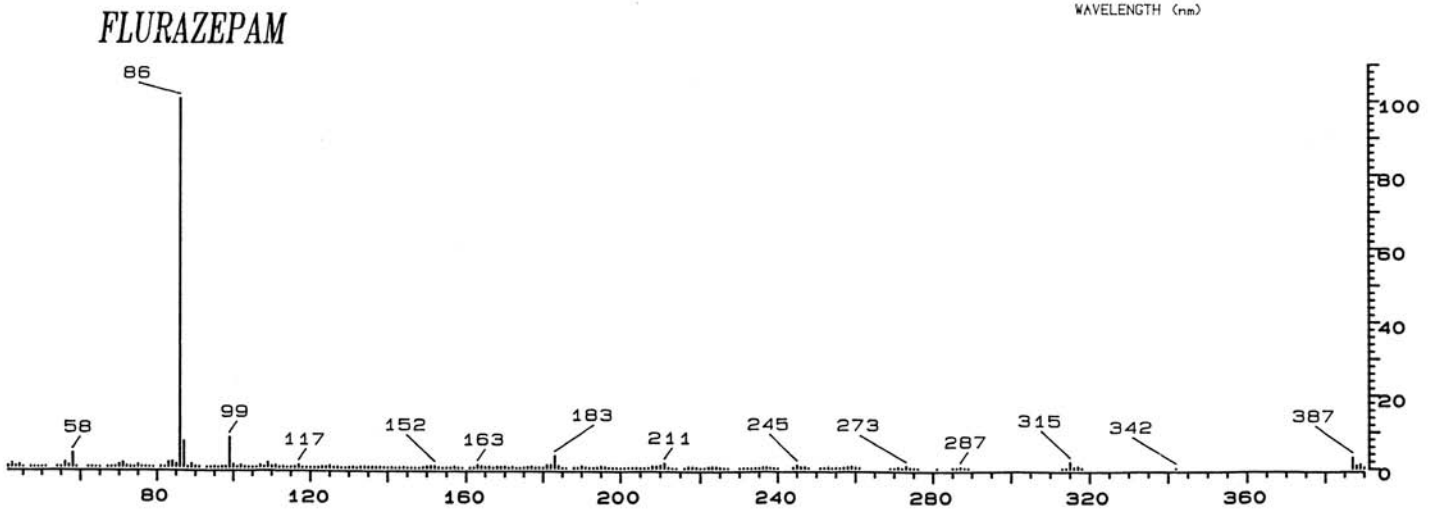
$C_{21}H_{23}ClFN_3O$

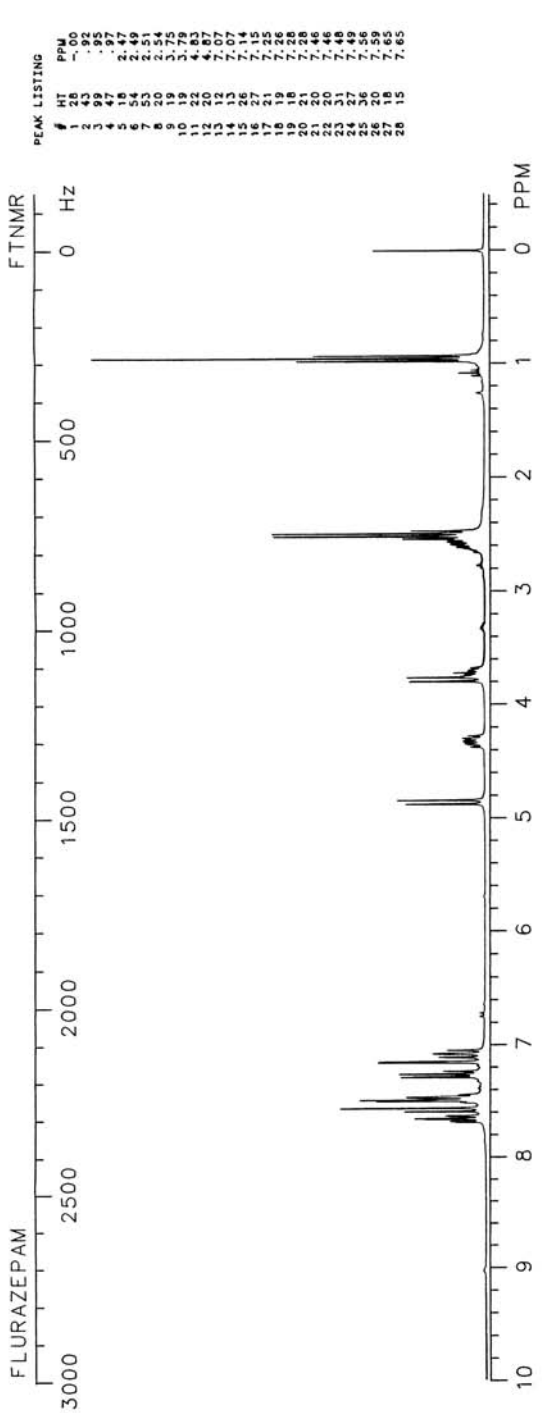
Molecular weight: 387.88 (387.15)
Synonyms: 7-Chloro-1-[2-(diethylamino)ethyl]-5-(o-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one
Trade names: Dalmane

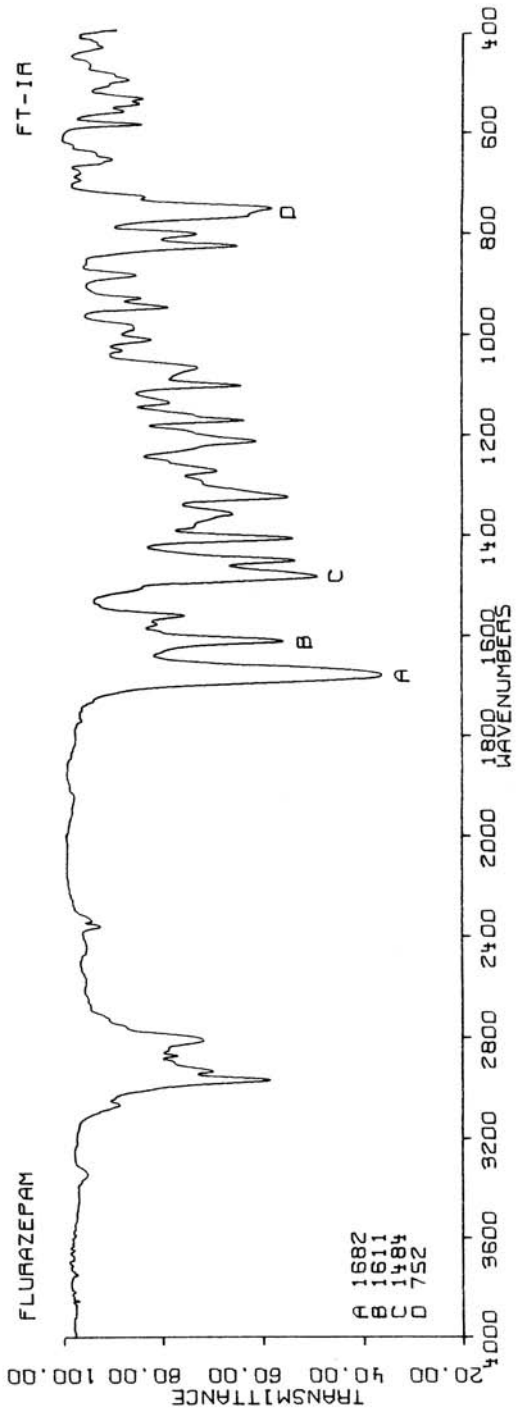
Use: Tranquilizer
HPLC: Si-10; 2A:98B; 7.5
GC: 2800; 250°C








FLURAZEPAM
FTNMR
PEAK LISTING
HT PPM
1 26 7.00
2 43 7.92
3 99 7.95
4 47 7.97
5 16 22.47
6 54 22.49
7 55 22.51
8 20 22.54
9 19 33.75
10 19 33.79
11 22 4.83
12 20 4.87
13 12 7.07
14 25 7.14
15 26 7.15
16 27 7.25
17 21 7.25
18 19 7.26
19 18 7.28
20 21 7.28
21 20 7.46
22 21 7.48
23 31 7.49
24 27 7.49
25 36 7.56
26 20 7.59
27 18 7.65
28 15 7.65
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

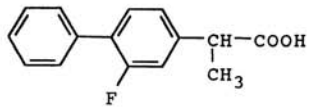

FT-IR
FLURAZEPAM
A 1682
B 1611
C 1484
D 752
A
B
C
D
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

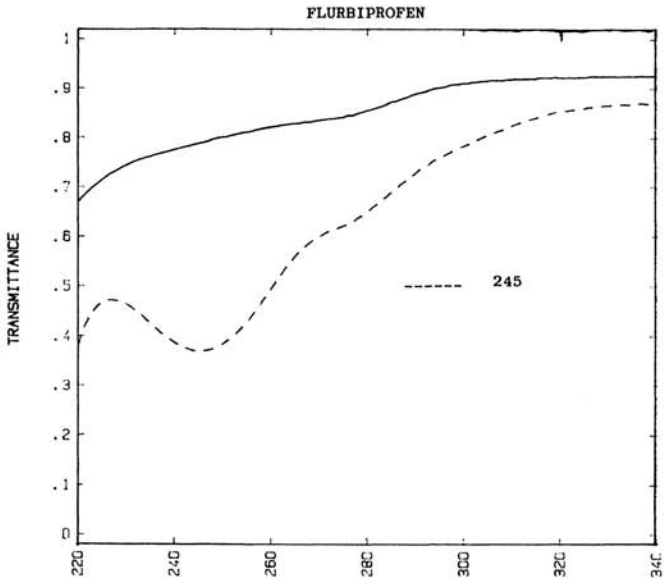
FLURBIPROFEN

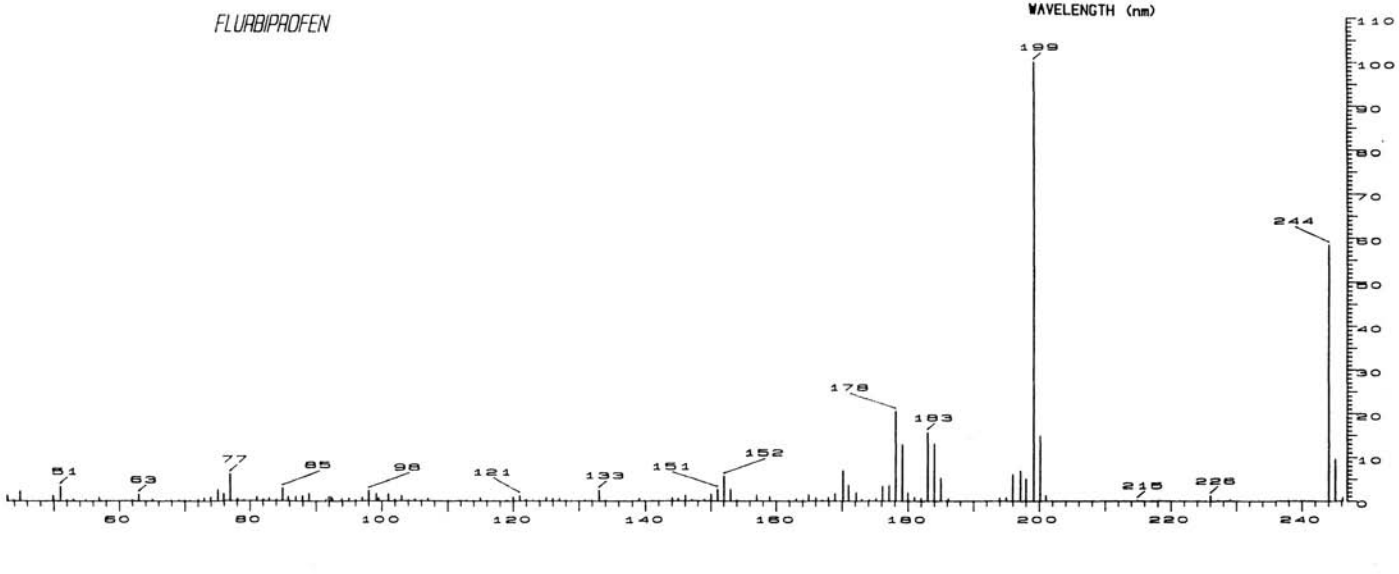
$C_{15}H_{13}FO_2$

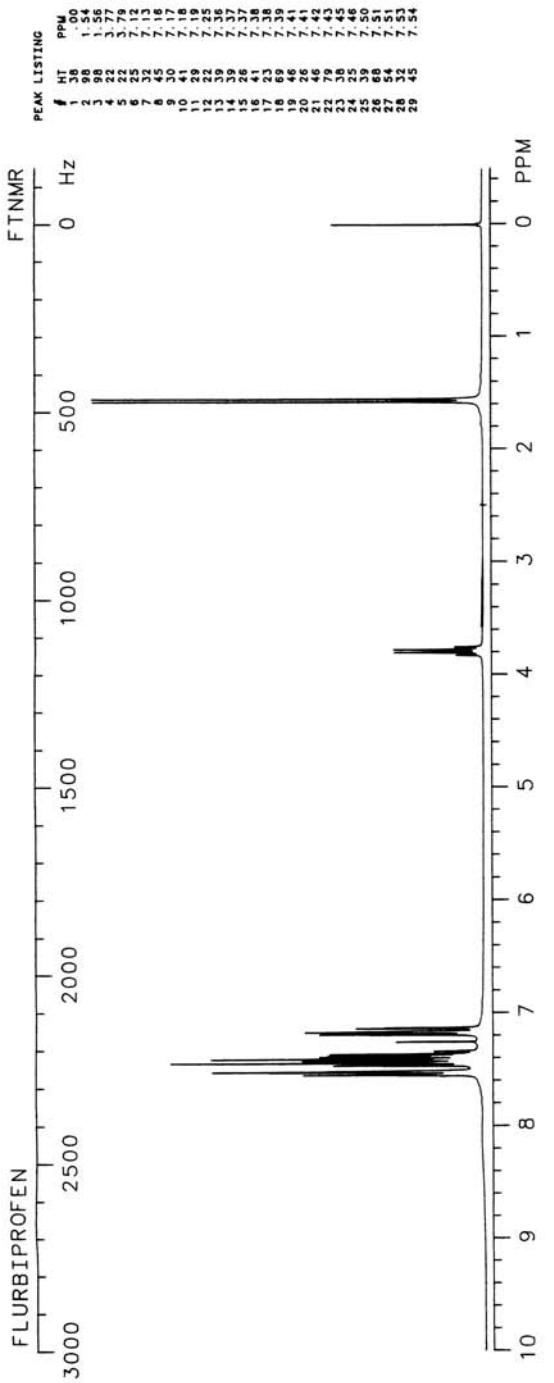
Molecular weight: 244.27 (244.09)

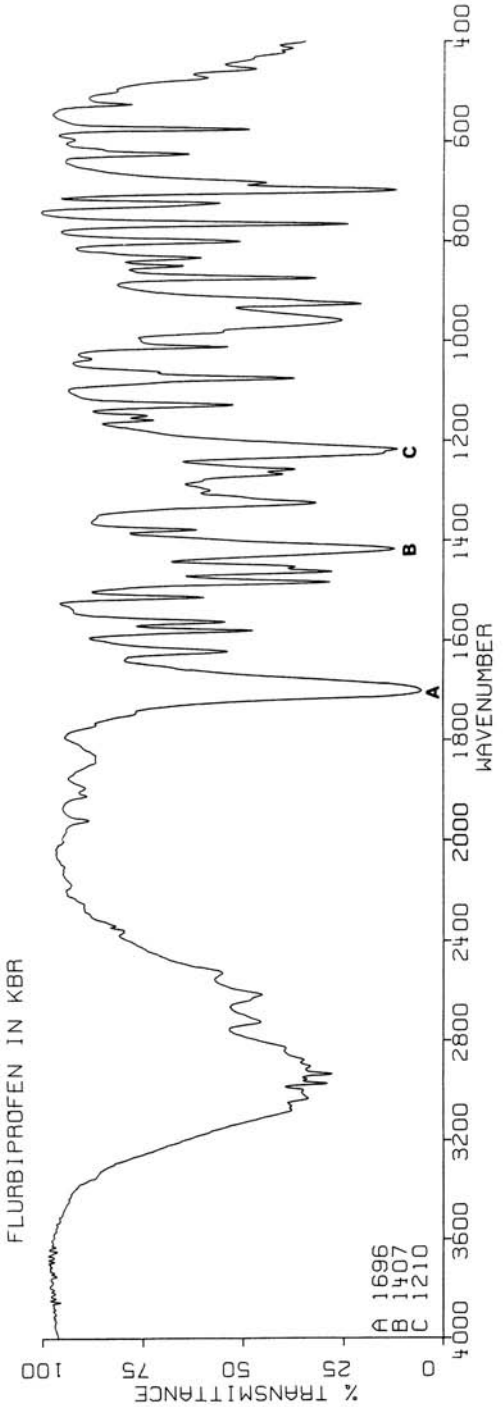
Synonyms: 2-Fluoro-α-methyl[1,1′-biphenyl]-4-acetic acid; 3-Fluoro-4-phenylhydratropic acid
Trade names: Adofeed, Ansaid, Cebutid, Froben, Flurofen, Ocufen, Stayban, Zepolas
Use: Anti-inflammatory, Analgesic
HPLC: 50A:50C; 4.5
GC: 2022; 250°








FLURBIPROFEN
FTNMR
PEAK LISTING
HT PPM
1 38 7.00
2 98 1.54
3 98 1.56
4 22 3.77
5 22 7.12
6 25 7.13
7 32 7.16
8 45 7.17
9 30 7.18
10 41 7.19
11 29 7.25
12 32 7.35
13 39 7.37
14 26 7.37
15 41 7.38
16 23 7.38
17 69 7.39
18 46 7.41
19 66 7.41
20 46 7.42
21 79 7.43
22 38 7.45
23 25 7.46
24 39 7.50
25 68 7.51
26 64 7.51
27 54 7.53
28 32 7.54
29 45
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

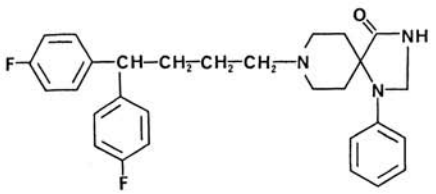

FLURBIPROFEN IN KBR
A 1696
B 1407
C 1210
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

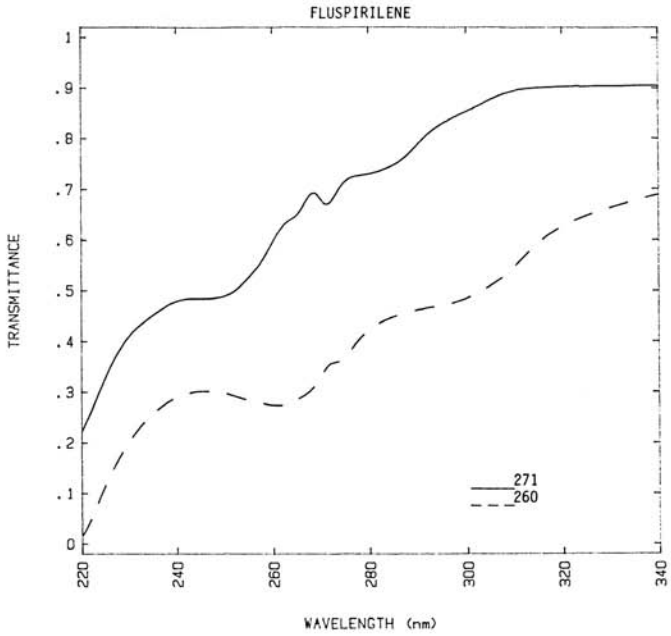
FLUSPIRILENE

$C_{29}H_{31}F_2N_3O$

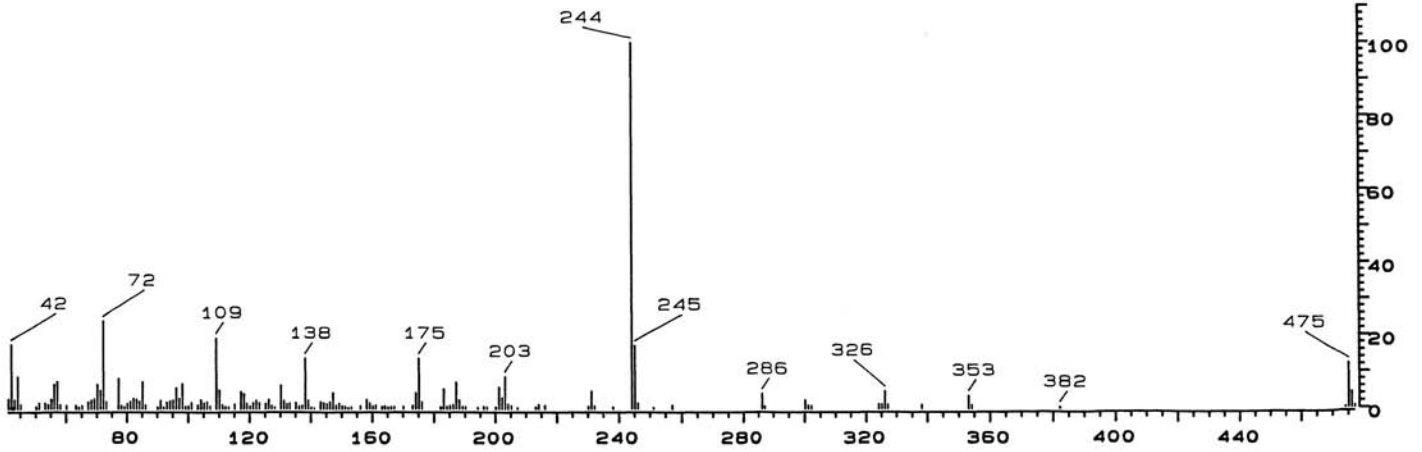
Molecular weight: 475.59 (475.24)
Synonyms: 8-[4,4-Bis(p-Fluorophenyl)butyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one
Trade names: Imap, Redeptin

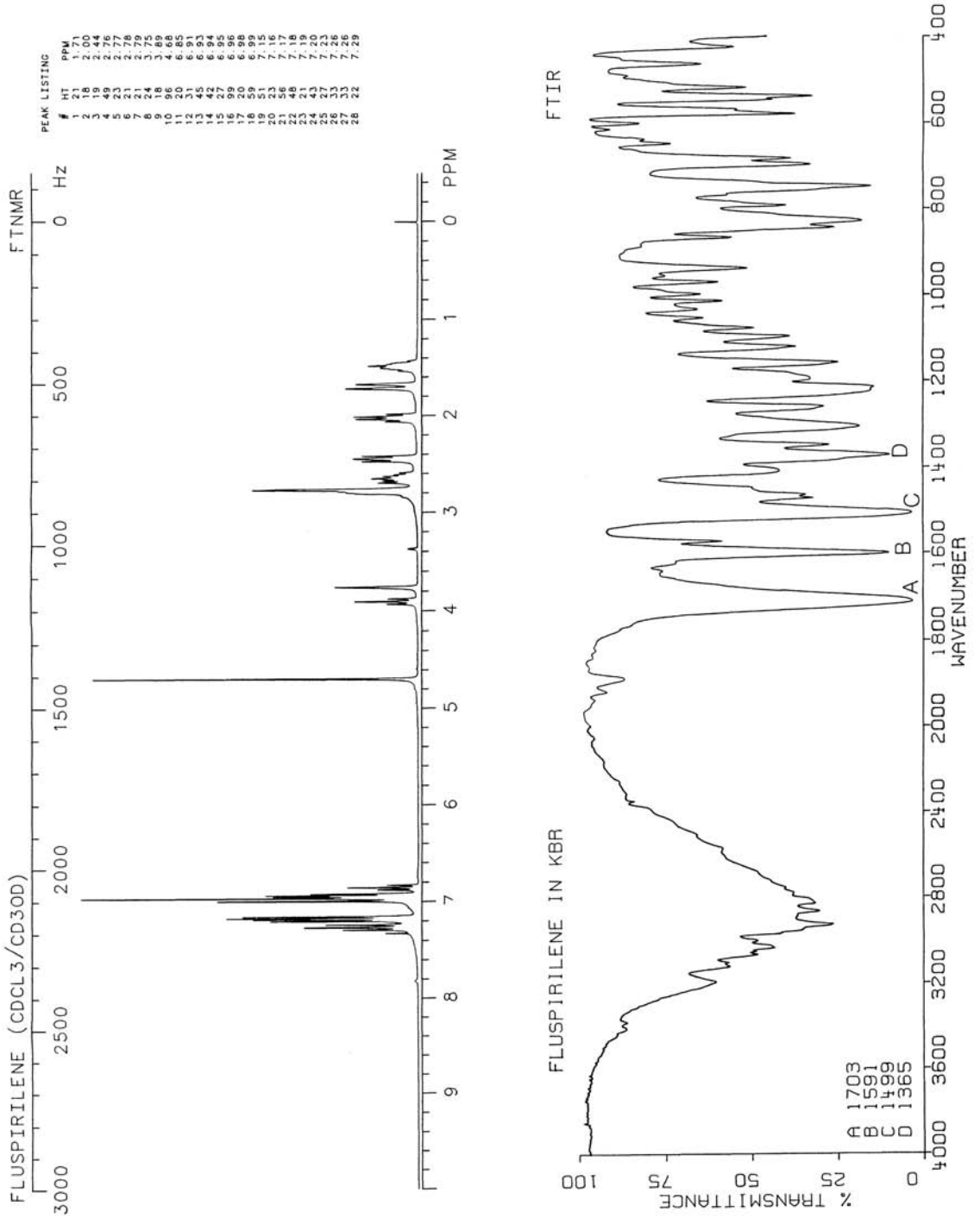
Use: Antipsychotic
HPLC: Si-10; 2A:98B; 4.0
GC:





FLUSPIRILENE--DIP



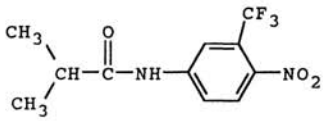

FTNMR
FLUSPIRILENE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 21 1.71
2 18 2.00
3 19 2.44
4 49 2.76
5 23 2.77
6 21 2.78
7 21 2.79
8 24 3.75
9 18 3.89
10 96 4.68
11 20 6.85
12 31 6.91
13 45 6.93
14 42 6.94
15 27 6.95
16 99 6.96
17 20 6.98
18 59 6.99
19 51 7.15
20 23 7.16
21 56 7.17
22 48 7.18
23 21 7.19
24 43 7.20
25 37 7.23
26 53 7.26
27 33 7.26
28 22 7.29
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
FTIR
FLUSPIRILENE IN KBR
A 1703
B 1591
C 1499
D 1365
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

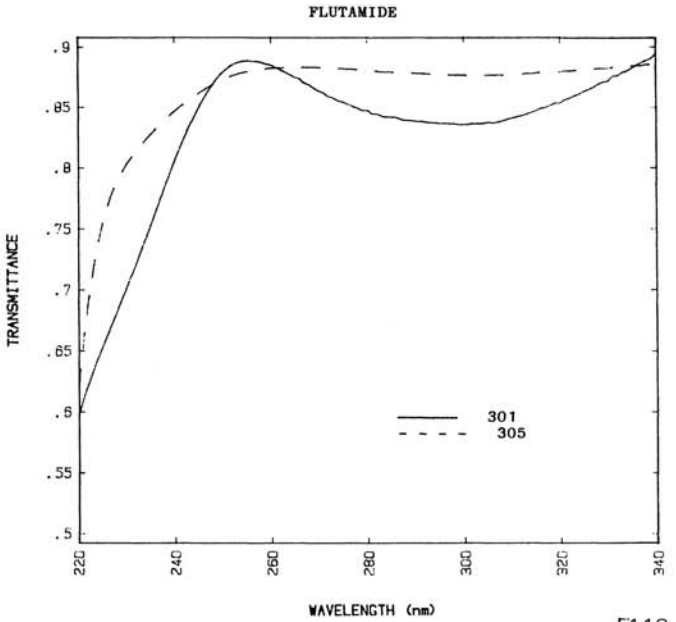
FLUTAMIDE

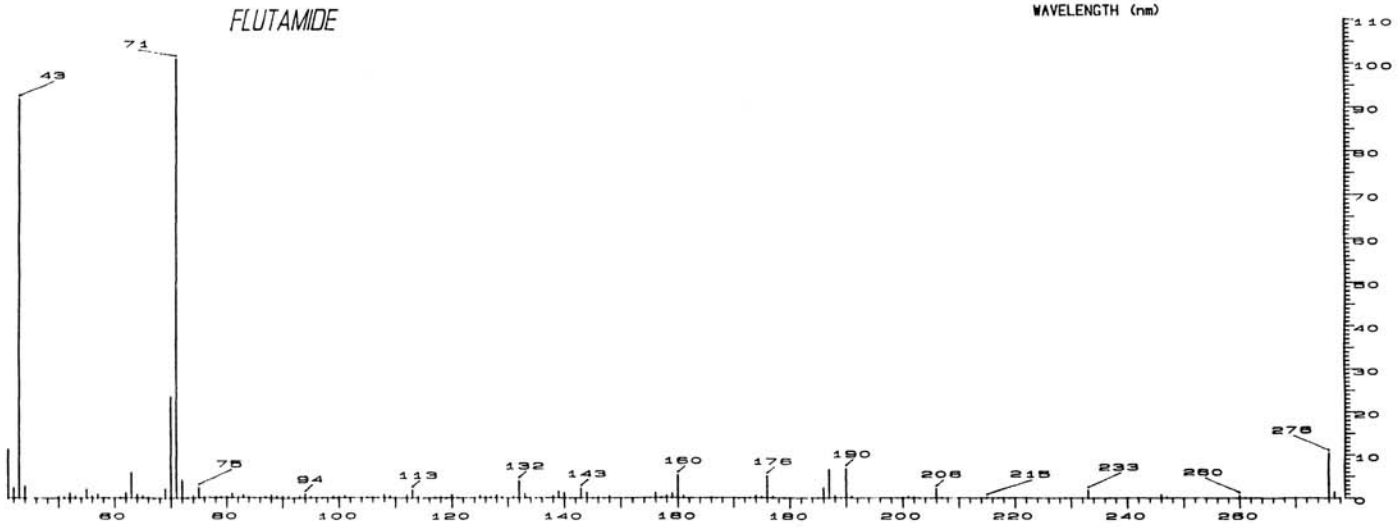
$C_{11}H_{11}F_3N_2O_3$

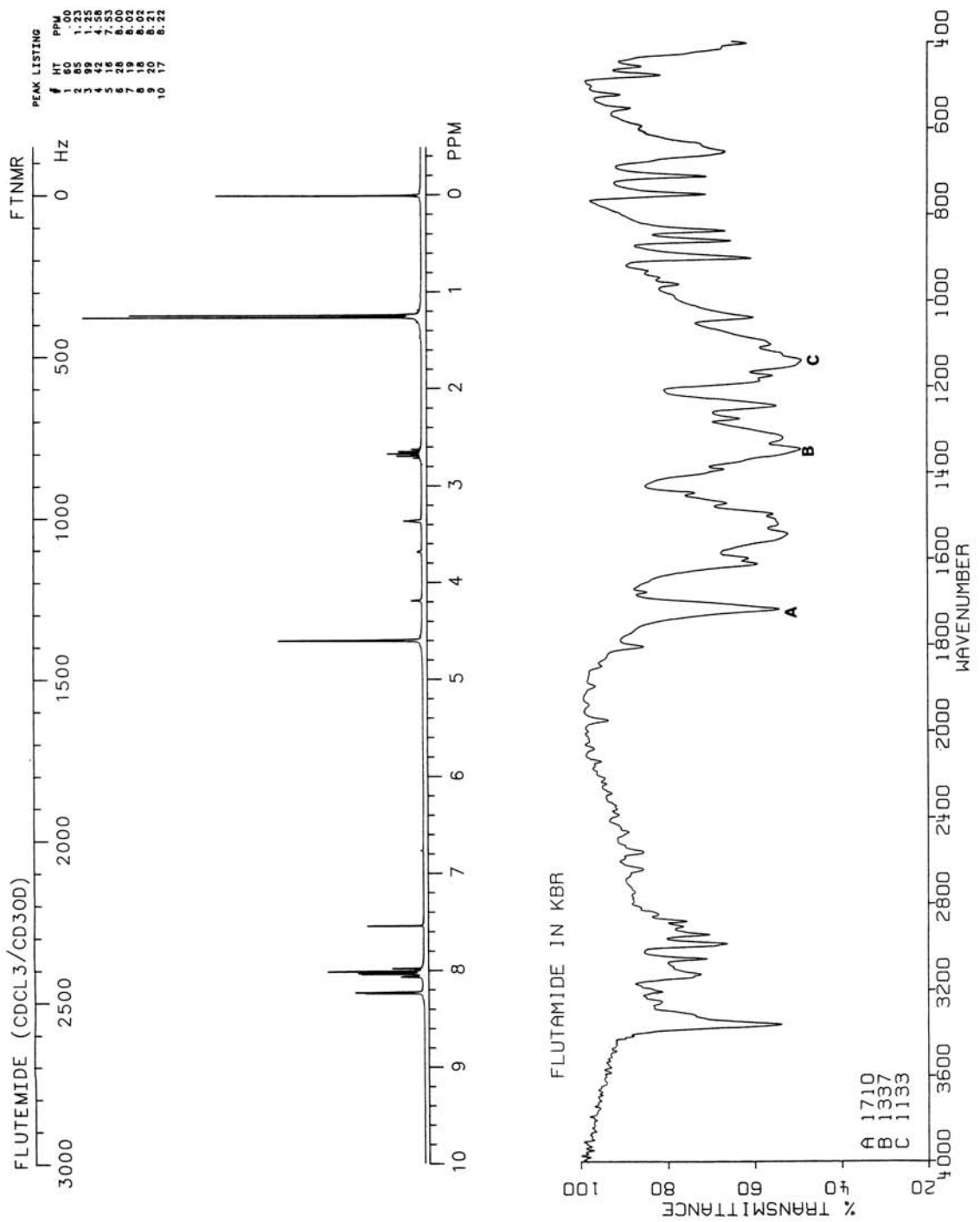
Molecular weight: 276.22 (276.07)

Synonyms: 2-Methyl-N-[4-nitro-3-(trifluoromethyl)phenyl] propanamide; niftoiid
Trade names: Drogenil, Eulexin, Euflex, Flucinom, Flugeril, Fugerel Sebatrol
Use: Antiandrogen; Antieoplastic
HPLC: 70A:30B; 2.9
GC: 1901; 200°





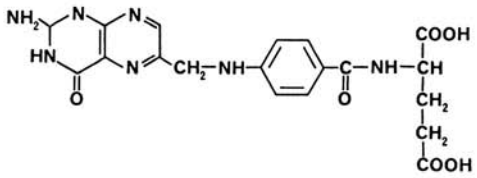


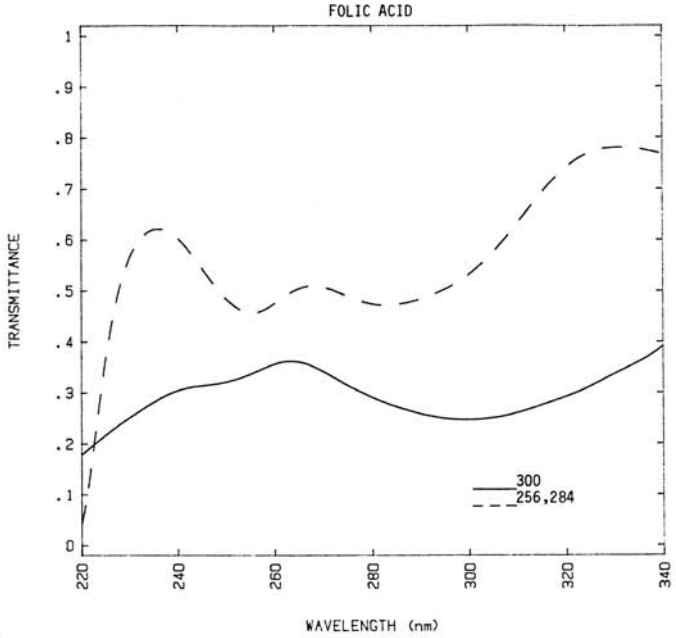

FLUTEMIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
f HT PPM
1 60 .00
2 85 1.23
3 99 1.25
4 42 4.58
5 16 7.53
6 28 8.00
7 19 8.02
8 16 8.21
9 20 8.22
10 17
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FLUTAMIDE IN KBR
A 1710
B 1337
C 1133
A
B
C
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

FOLIC ACID

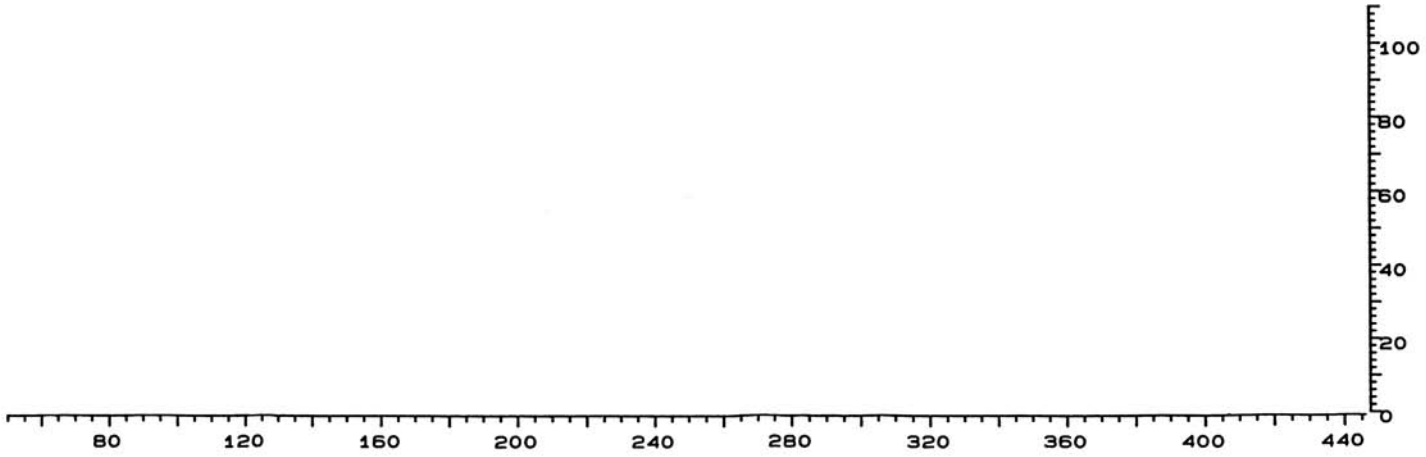
$C_{19}H_{19}N_7O_6$

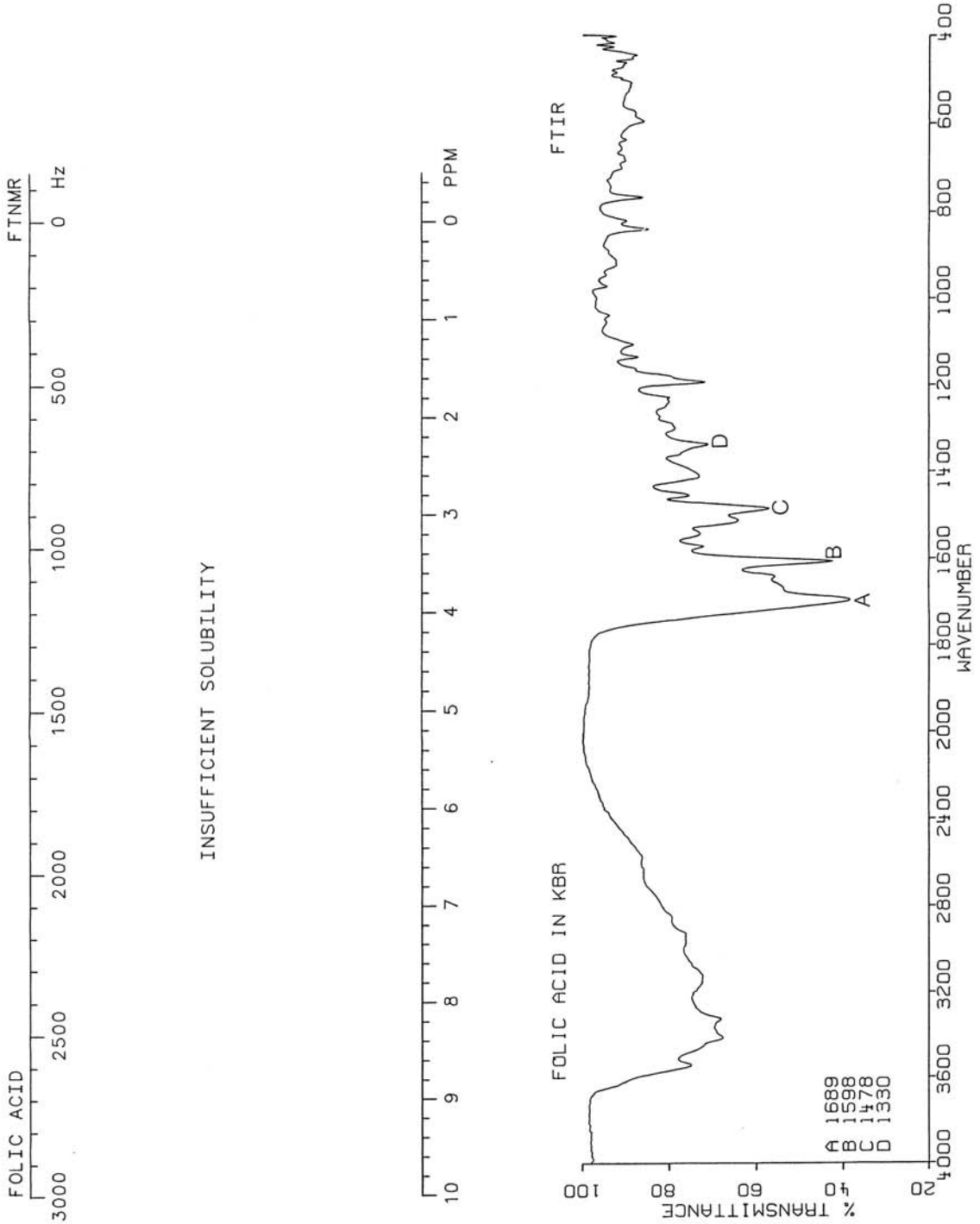
Molecular weight: 441.40 (441.14)
Synonyms: N-[4-[[(2-Amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]-benzoyl]-L-glutamic acid; folacin; pteroylglutamic acid; folinsyre
Trade names: Al-Vite, Cefol Filmtab, Cevi-Fer, Dayalets, Eldec, Eldercaps, Enivro-Stress, Fero-Folic, Filibon, Folic Acid, Fulvite, Hemocyte-F, Hemo-Vite, Iberet-Folic, Ircon-Fa, Iromin-G, Mega-B, Megadose, Mevanin -C, Nifenix-150, Nu-Iron, Orabex-Tf, Pramet FA, Pramilet-FA, Prenate, Pronemia, Stuartnatal, Trinsicon, Viconforte, Via-Bec, VitaFol, Zenate, Zincvit, Protection III Multi-Vitamin
Use: Vitamin
HPLC:
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED



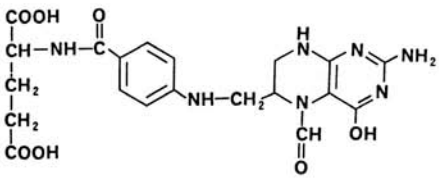

FOLIC ACID
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
FOLIC ACID IN KBR
FTIR
A 1689
B 1598
C 1478
D 1330
A
B
C
D
100 80 60 40 20
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

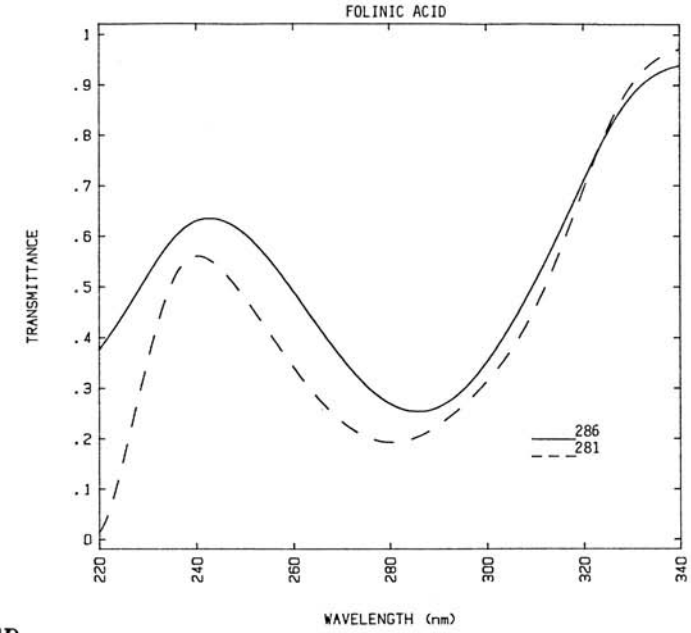
FOLINIC ACID

$C_{20}H_{23}N_7O_7$

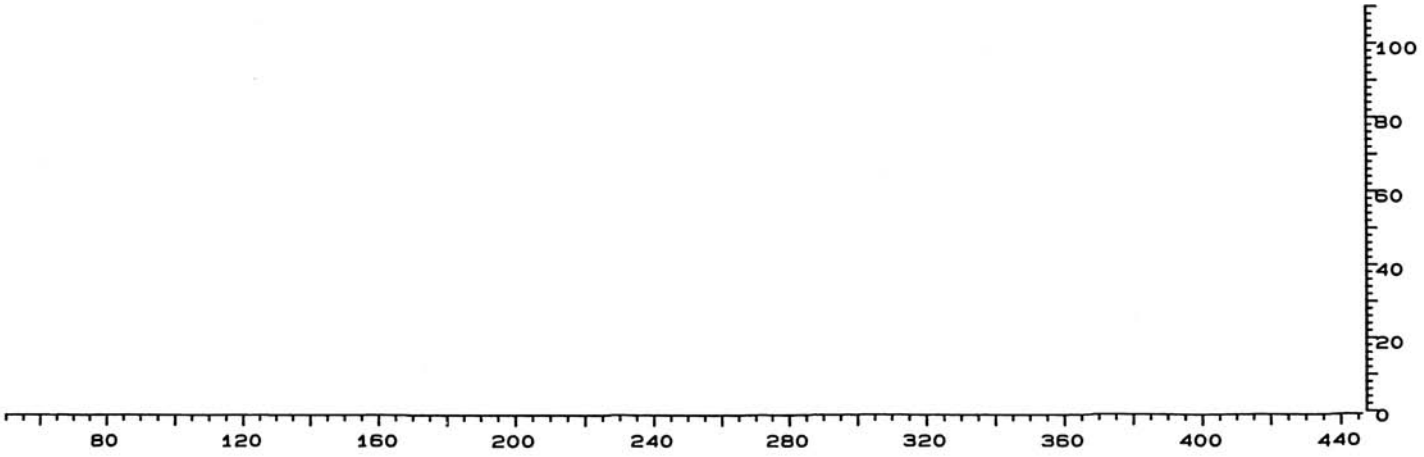
Molecular weight: 473.44 (473.17)
Synonyms: N-[4-[[(2-Amino-5-formyl-1,4,5,6,7,8-hexahydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]-L-glutamic acid; citrovorum; 5-formyl-5,6,7-8-tetrahydrofolic acid
Trade names: Calcium Folinate, Leucovorin

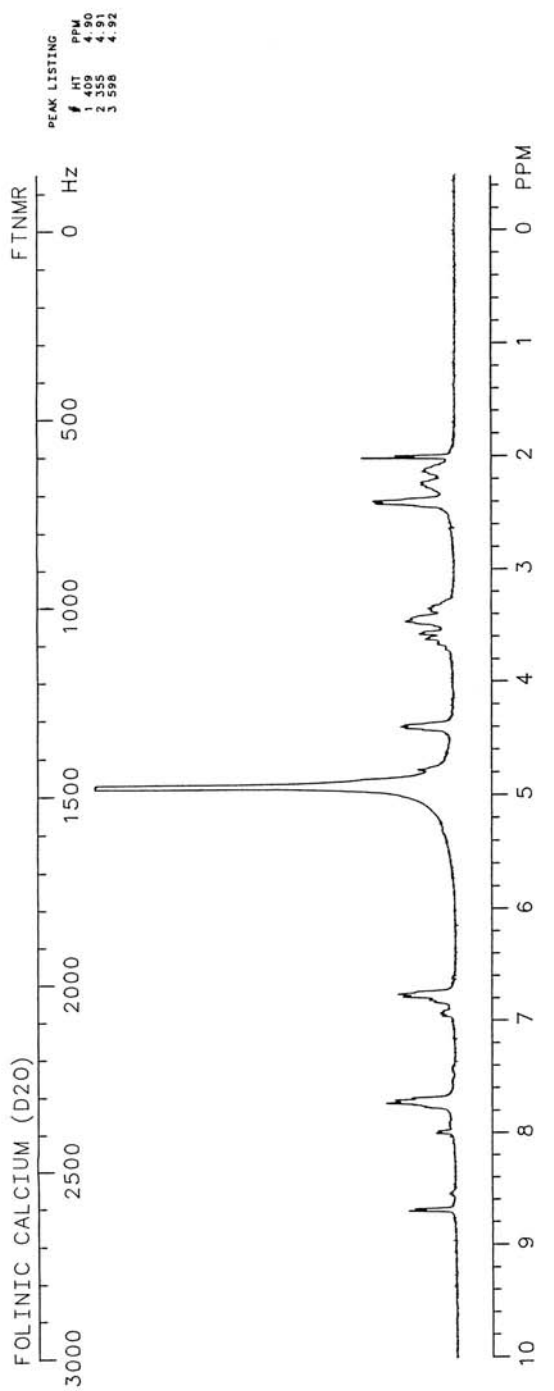
Use: Antidote for folic acid antagonist
HPLC:
GC:

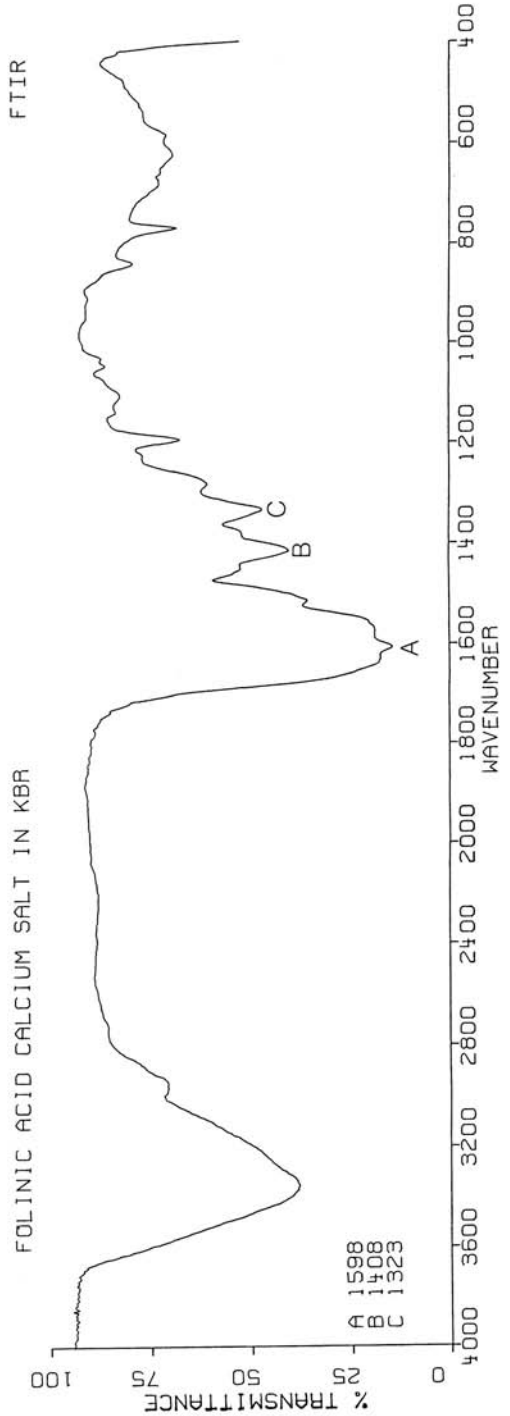




NO USEFUL MASS SPECTRUM WAS OBTAINED




FOLINIC CALCIUM (D2O)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 409 4.90
2 355 4.91
3 598 4.92
10 9 8 7 6 5 4 3 2 1 0 PPM


FOLINIC ACID CALCIUM SALT 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 1598
B 1408
C 1323
A
B
C

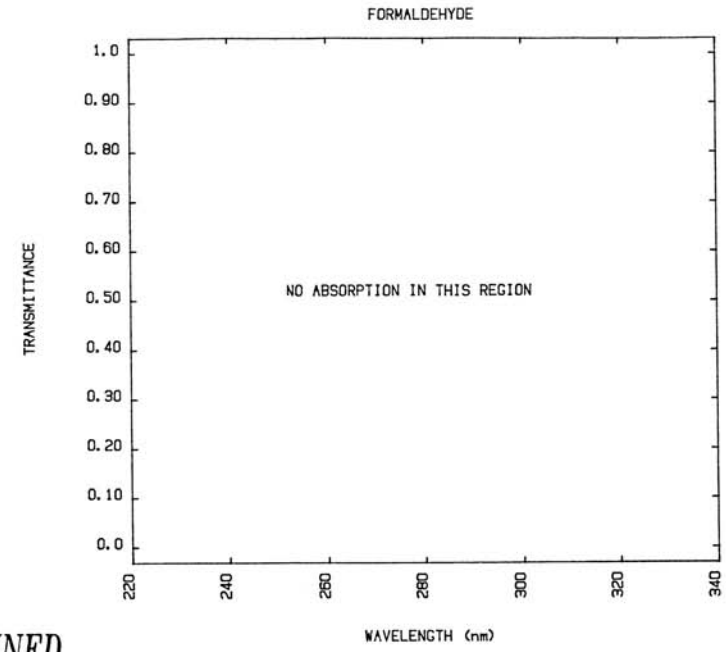
FORMALDEHYDE

CH_2O

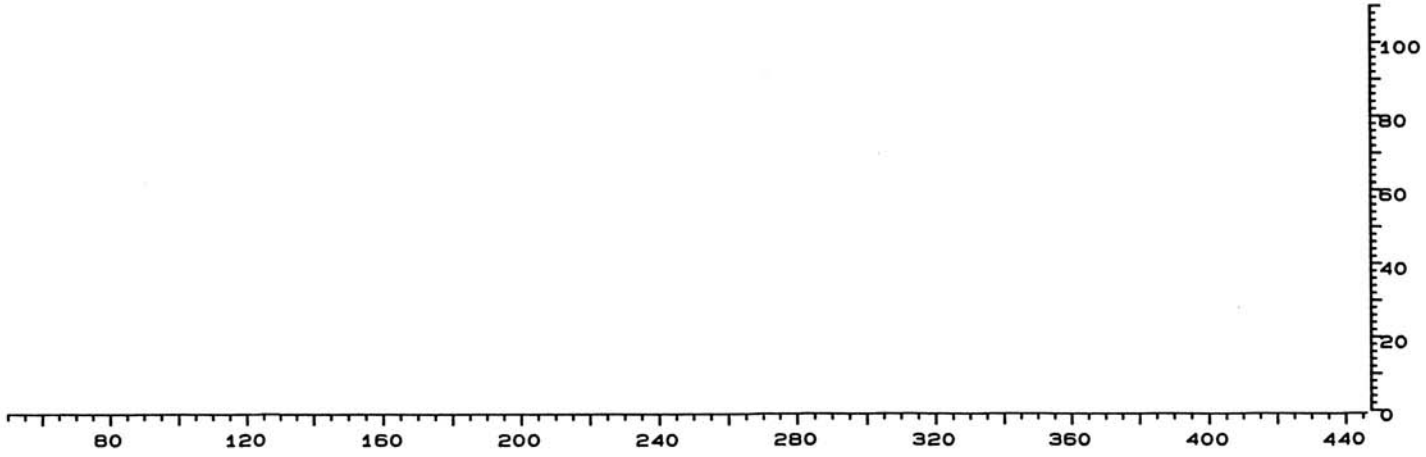
Molecular weight: 30.03 (30.01)
Synonyms: Methanal; oxomethane; oxymethylene; methylene oxide; formic aldehyde; methyl aldehyde
Trade names: Pedi-DriFoot powder

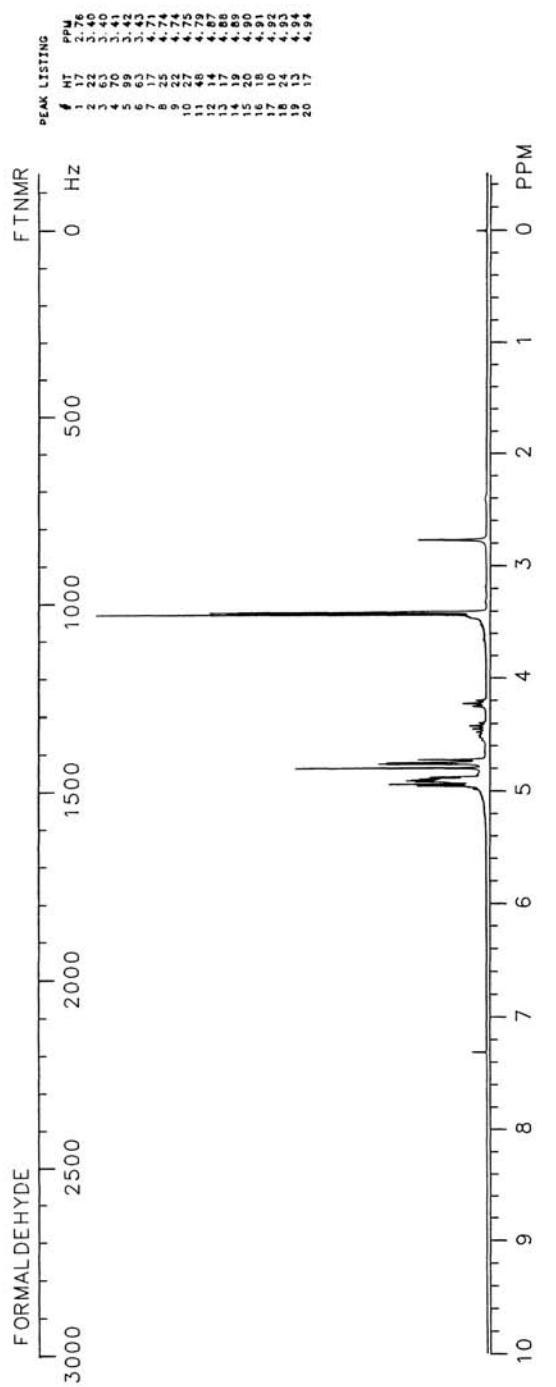
Use: Preservative, disinfectant
HPLC:
GC:

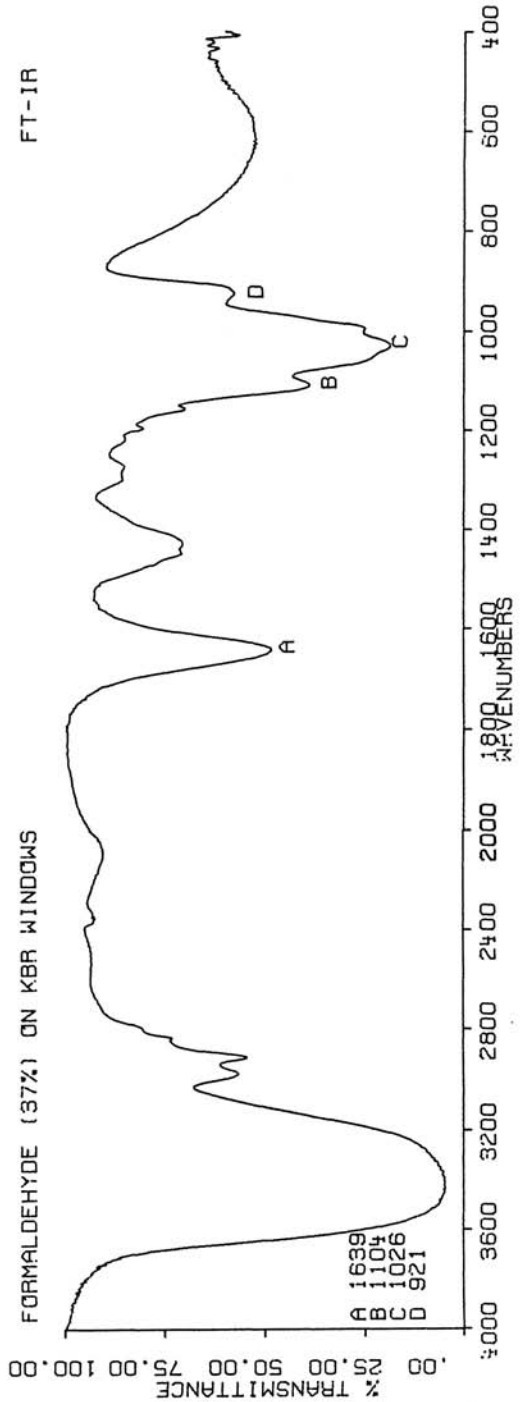
$O{=}CH_2$



NO USEFUL MASS SPECTRUM WAS OBTAINED




FORMALDEHYDE
FTNMR
PEAK LISTING
HT PPM
1 17 2.76
2 22 3.40
3 63 3.40
4 70 3.41
5 99 3.42
6 63 3.43
7 17 4.71
8 25 4.74
9 22 4.74
10 27 4.75
11 46 4.79
12 14 4.87
13 17 4.88
14 19 4.89
15 20 4.90
16 18 4.91
17 10 4.92
18 24 4.93
19 15 4.94
20 17 4.94
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FORMALDEHYDE (37%) ON KBR WINDOWS
FT-IR
A 1639
B 1104
C 1026
D 921
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

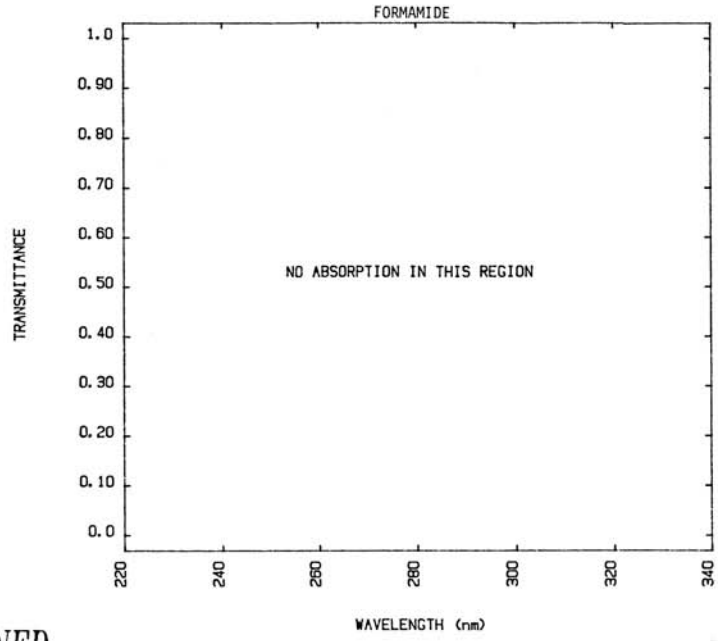
FORMAMIDE

CH_3NO

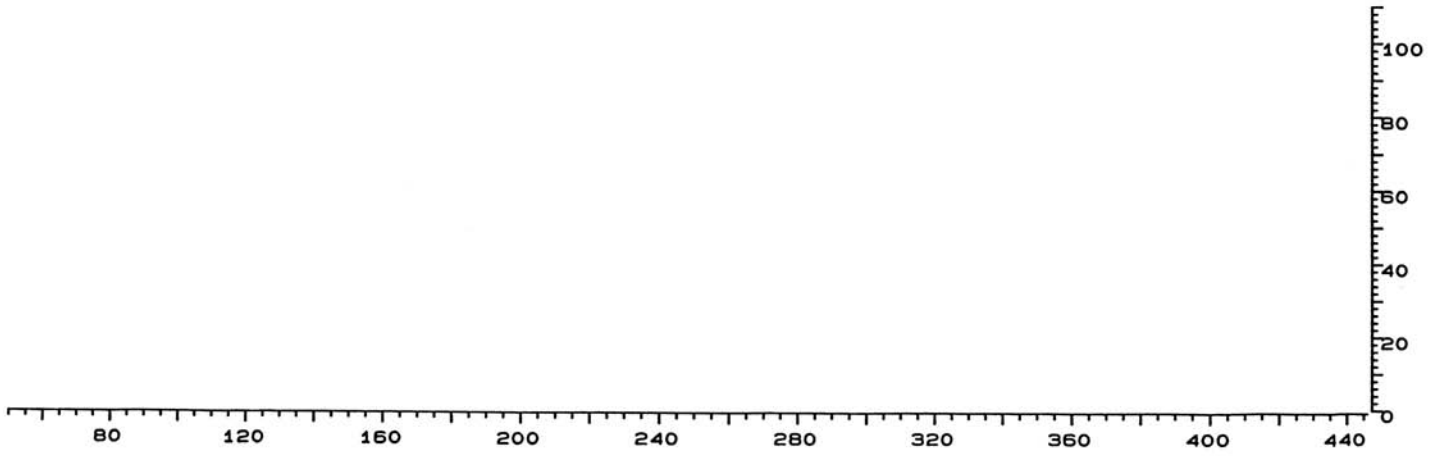
Molecular weight: 45.04 (45.02)
Synonyms:

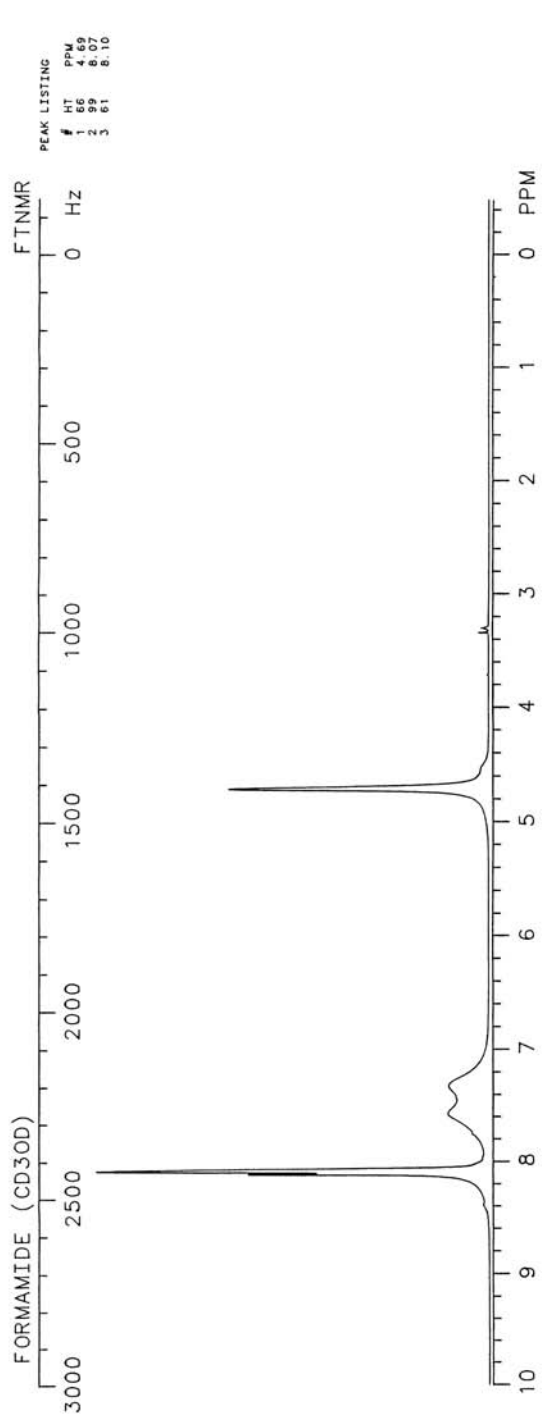
Trade names:

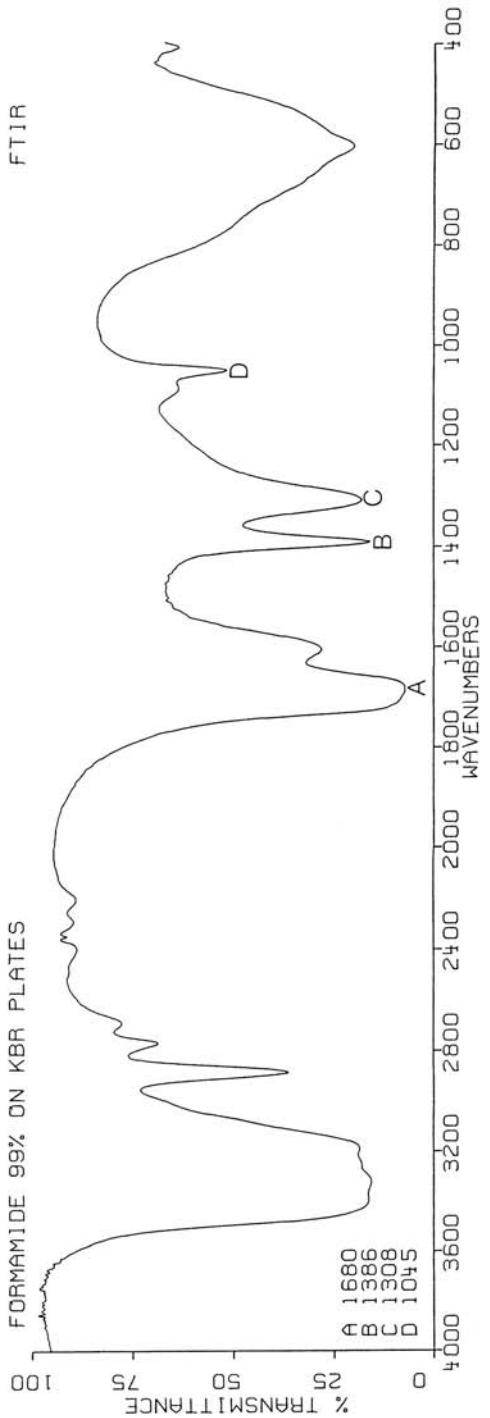
Use: Synthesis
HPLC:
GC:



NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
FORMAMIDE (CD3OD)
PEAK LISTING
HT PPM
1 86 4.69
2 99 8.07
3 61 8.10
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
FORMAMIDE 99% ON KBR PLATES
A 1680
B 1386
C 1308
D 1045
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

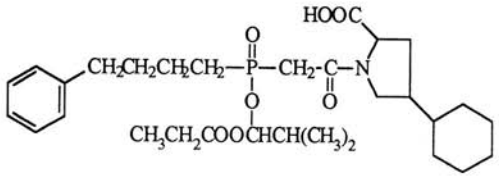
FOSINOPRIL

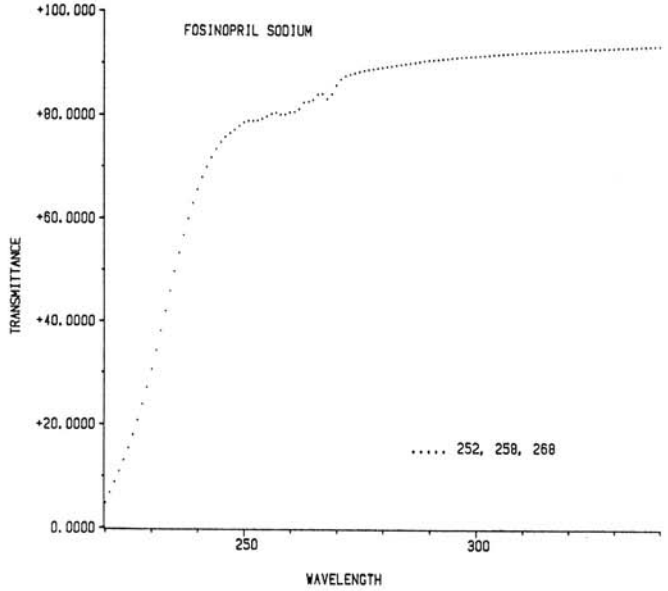
$C_{30}H_{46}NO_7P$

Molecular Weight: 563.67 (563.30)

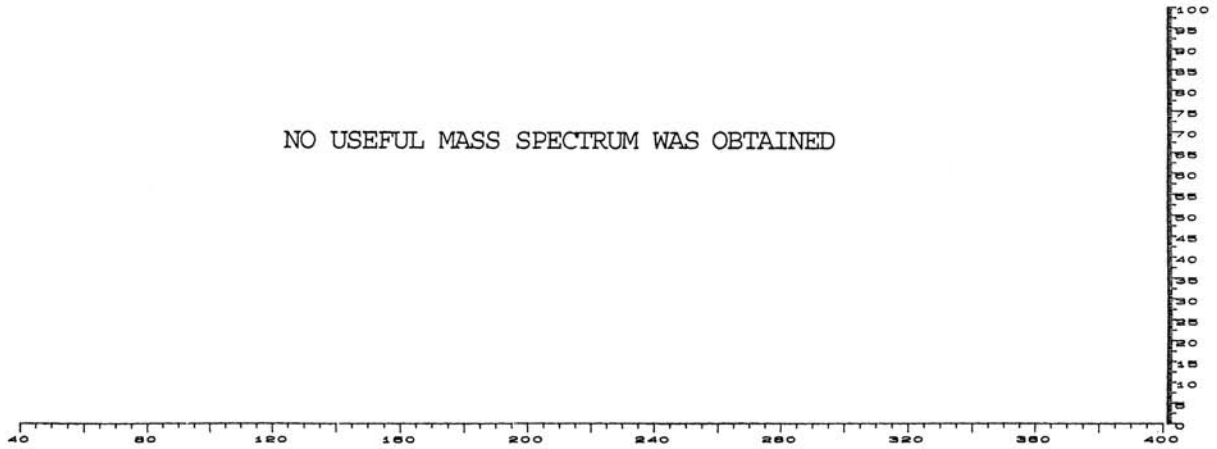
Synonyms: (2α,4β)-4-Cyclohexyl-1-[[[2-methyl-1-(1-oxopropoxy)propoxy](4-phenylbutyl)phosphinyl]acetyl]-L-proline; fosenopril
Trade Names: Monopril
Use: Antihypertensive

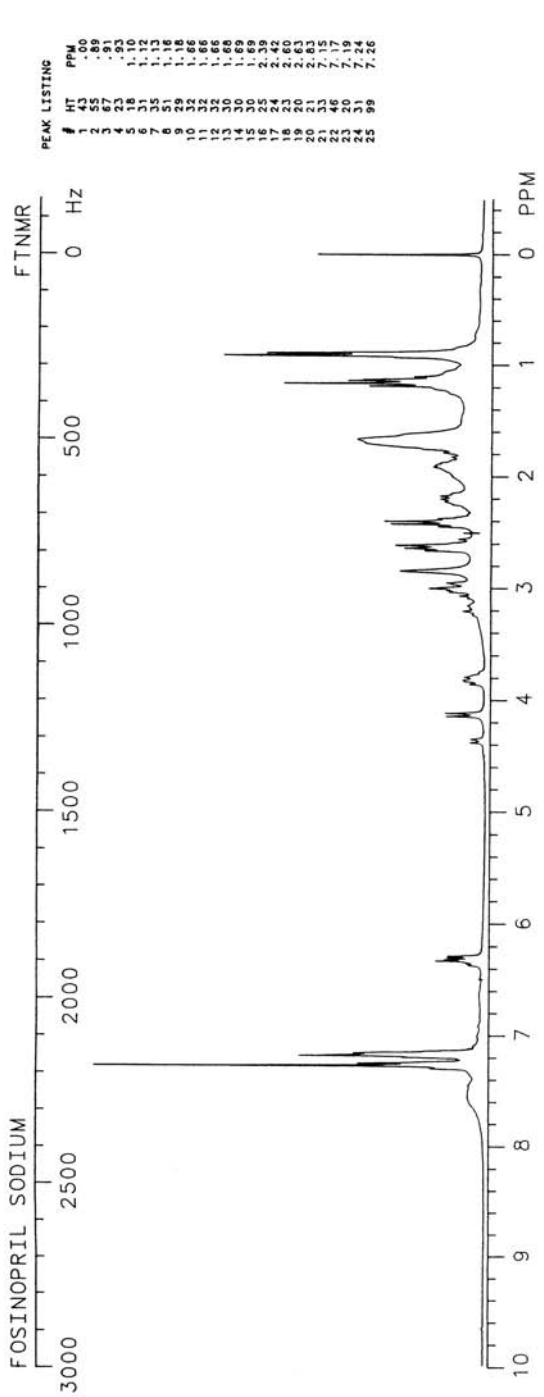
HPLC: Methanol: 3.5
GC:

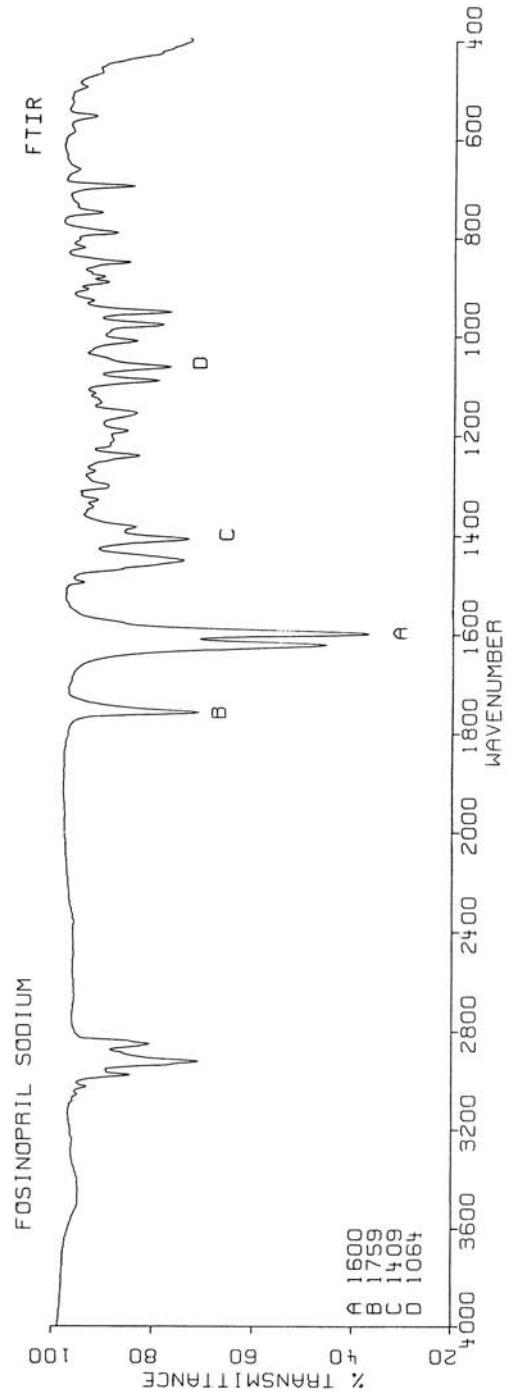




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
FOSINOPRIL SODIUM
PEAK LISTING
HT PPM
1 43 .00
2 55 .89
3 67 .91
4 27 .93
5 18 1.10
6 31 1.12
7 35 1.13
8 51 1.16
9 29 1.18
10 32 1.66
11 32 1.66
12 32 1.66
13 30 1.68
14 30 1.69
15 30 1.69
16 25 2.39
17 24 2.42
18 21 2.60
19 20 2.63
20 21 2.83
21 33 7.15
22 46 7.17
23 20 7.19
24 31 7.24
25 99 7.26
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
FOSINOPRIL SODIUM
A 1600
B 1759
C 1409
D 1064
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

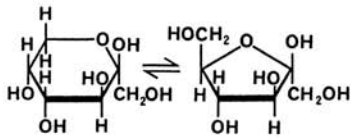
FRUCTOSE

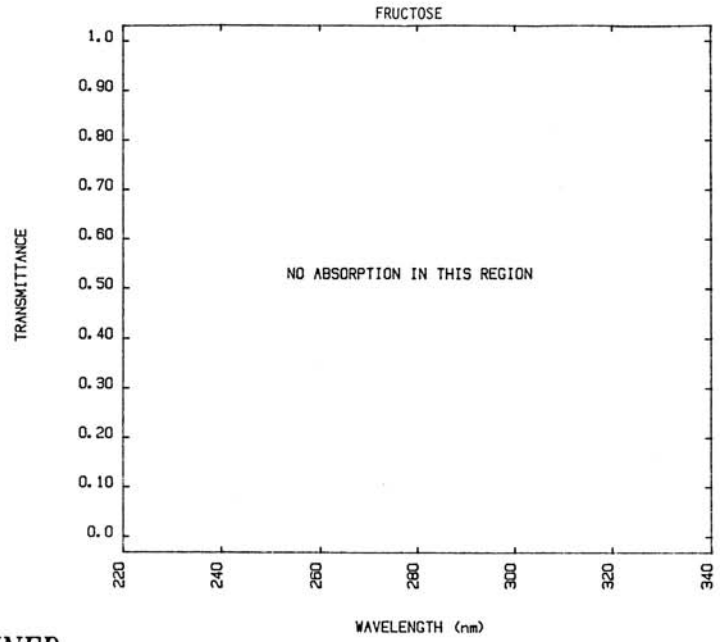
$C_6H_{12}O_6$

Molecular weight: 180.16 (180.06)
Synonyms: D-Fructose; β-D-fructose; levulose; fruit sugar

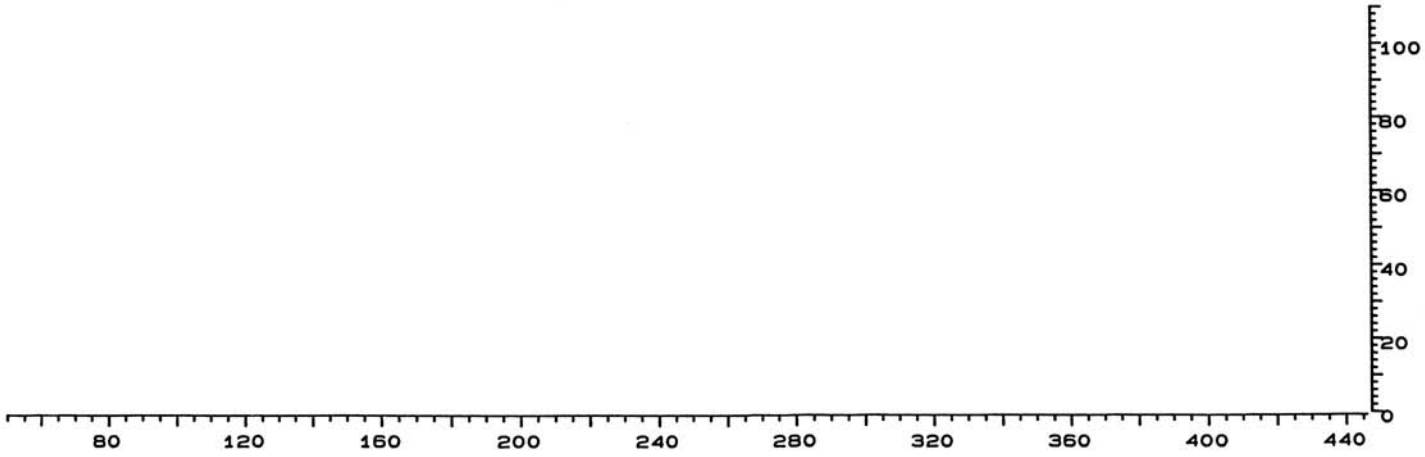
Trade names:

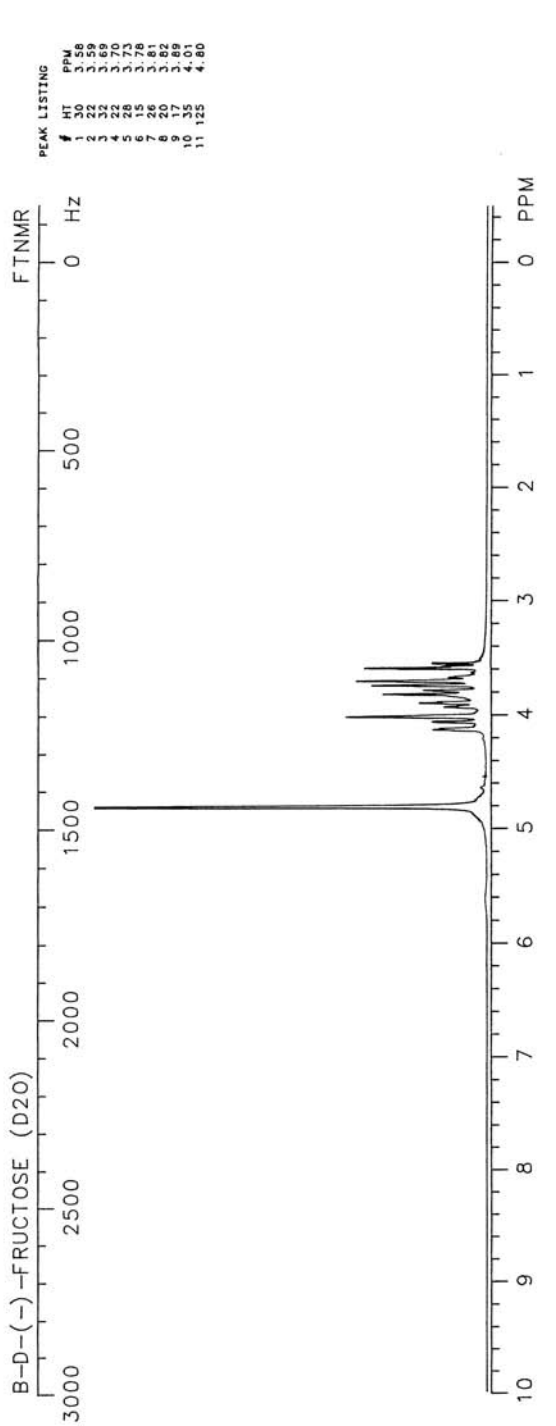
Use: Sugar
HPLC:
GC:

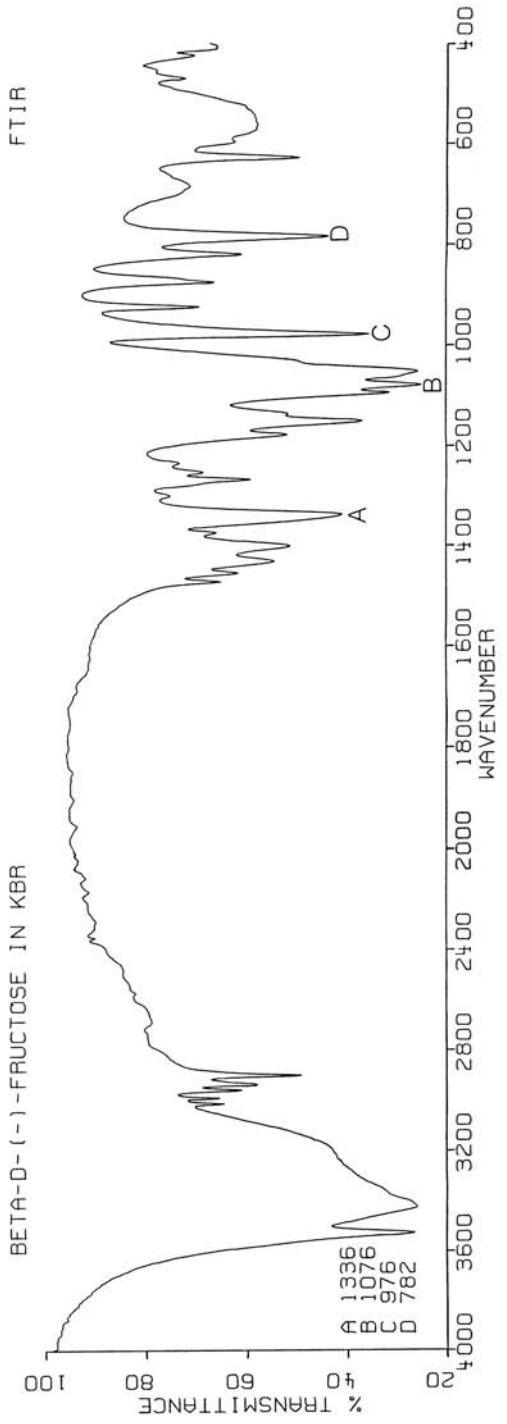




NO USEFUL MASS SPECTRUM WAS OBTAINED




B-D-(-)-FRUCTOSE (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 30 3.58
2 22 3.59
3 32 3.69
4 22 3.70
5 28 3.73
6 15 3.78
7 26 3.81
8 20 3.82
9 17 3.89
10 35 4.01
11 125 4.80


BETA-D-(-)-FRUCTOSE 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 1336
B 1076
C 976
D 782
A
B
C
D

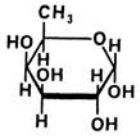
FUCOSE

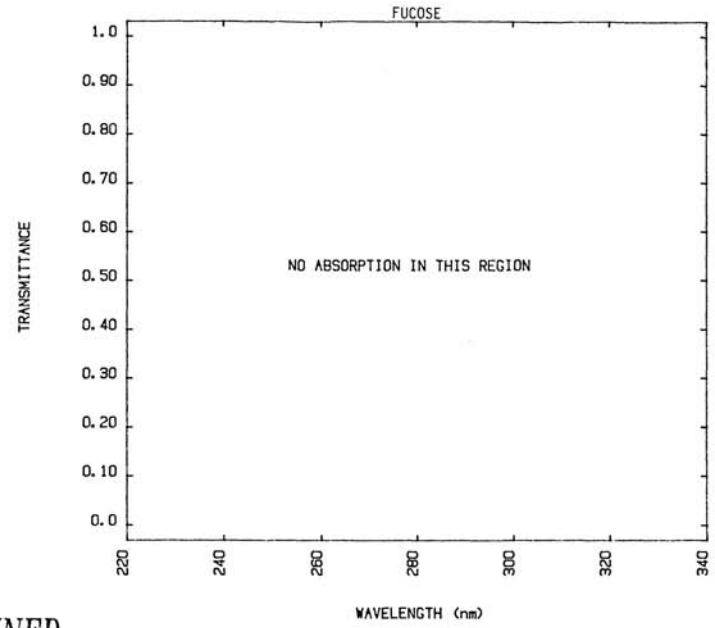
$C_6H_{12}O_5$

Molecular weight: 164.16 (164.07)
Synonyms: 6-Deoxy-D-galactose; D-galactomethylose; D-fucose; rhodeose

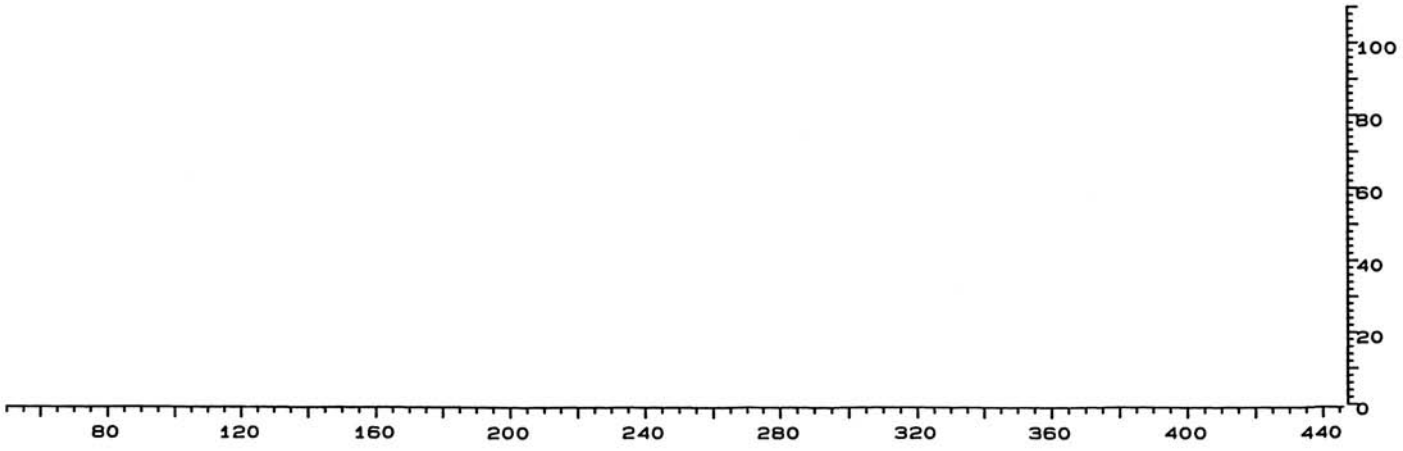
Trade names:

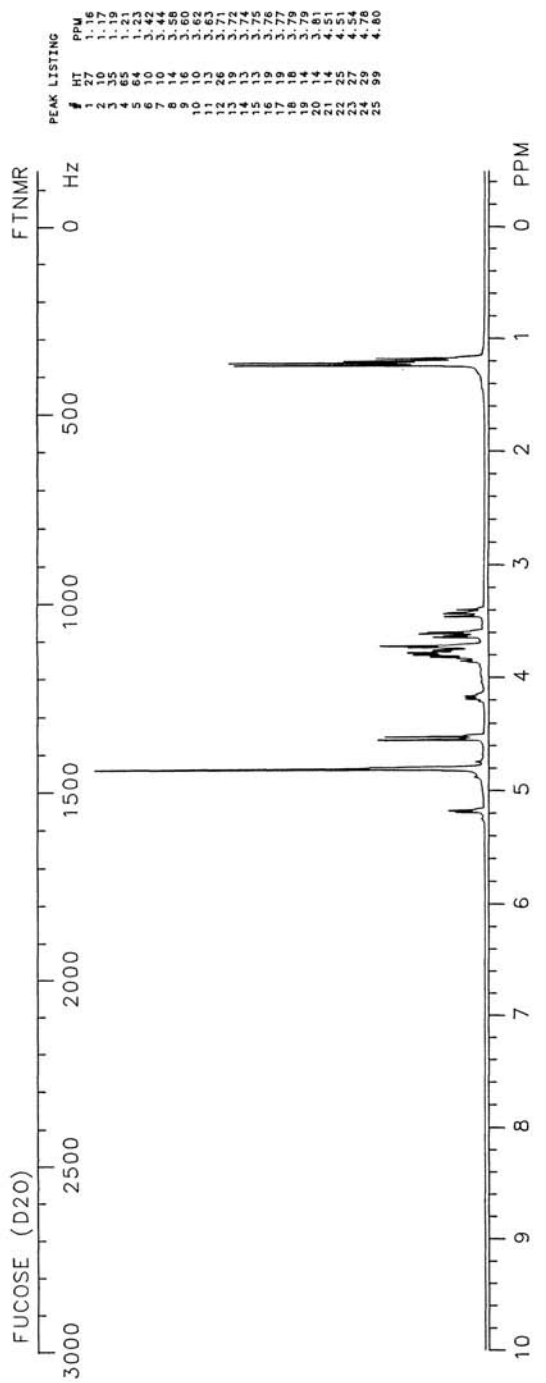
Use: Sugar
HPLC:
GC:

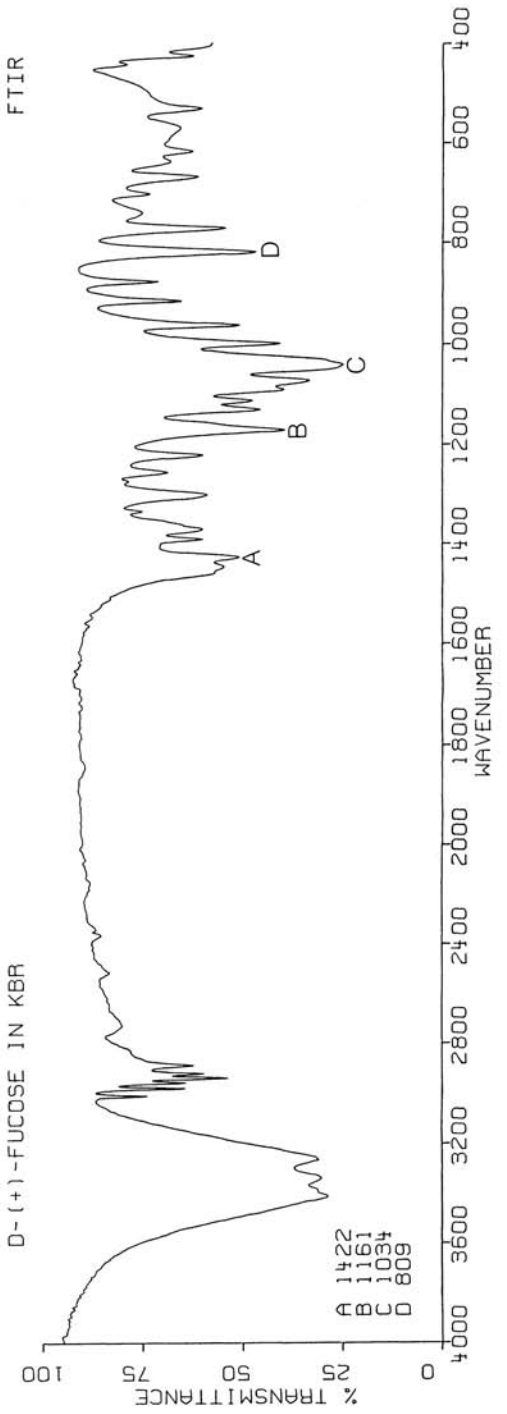




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
FUCOSE (D2O)
PEAK LISTING
HT PPM
1 27 1.16
2 10 1.17
3 35 1.19
4 65 1.21
5 64 1.23
6 10 3.42
7 10 3.44
8 14 3.58
9 16 3.60
10 10 3.62
11 10 3.63
12 26 3.71
13 19 3.72
14 13 3.74
15 13 3.75
16 19 3.76
17 19 3.77
18 14 3.79
19 14 3.81
20 14 4.51
21 14 4.51
22 25 4.51
23 27 4.54
24 29 4.76
25 99 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

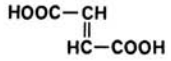

FTIR
D-(+)-FUCOSE IN KBR
A 1422
B 1161
C 1034
D 809
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

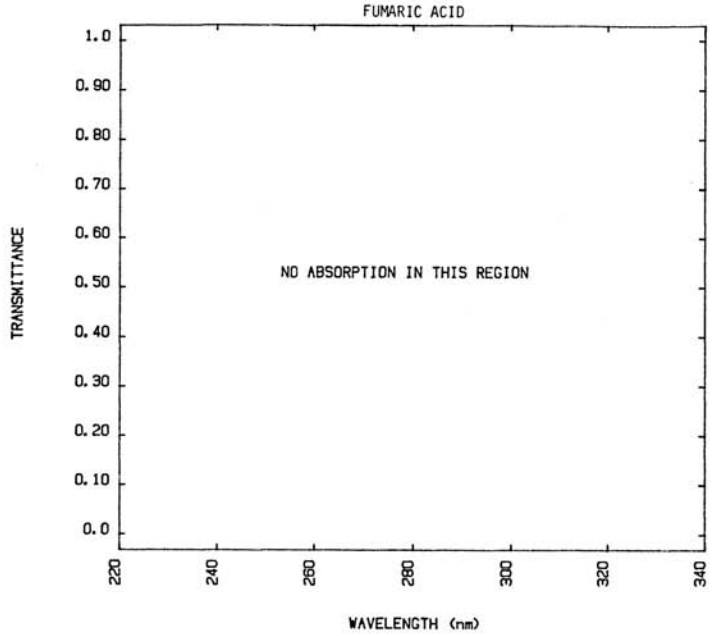
FUMARIC ACID

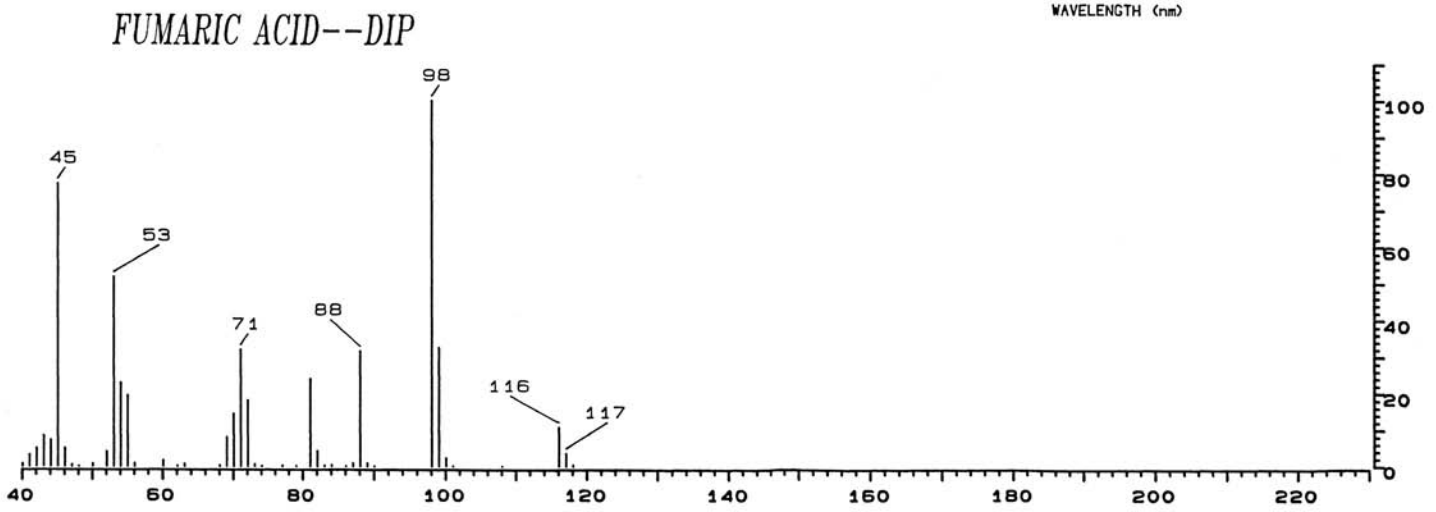
$C_4H_4O_4$

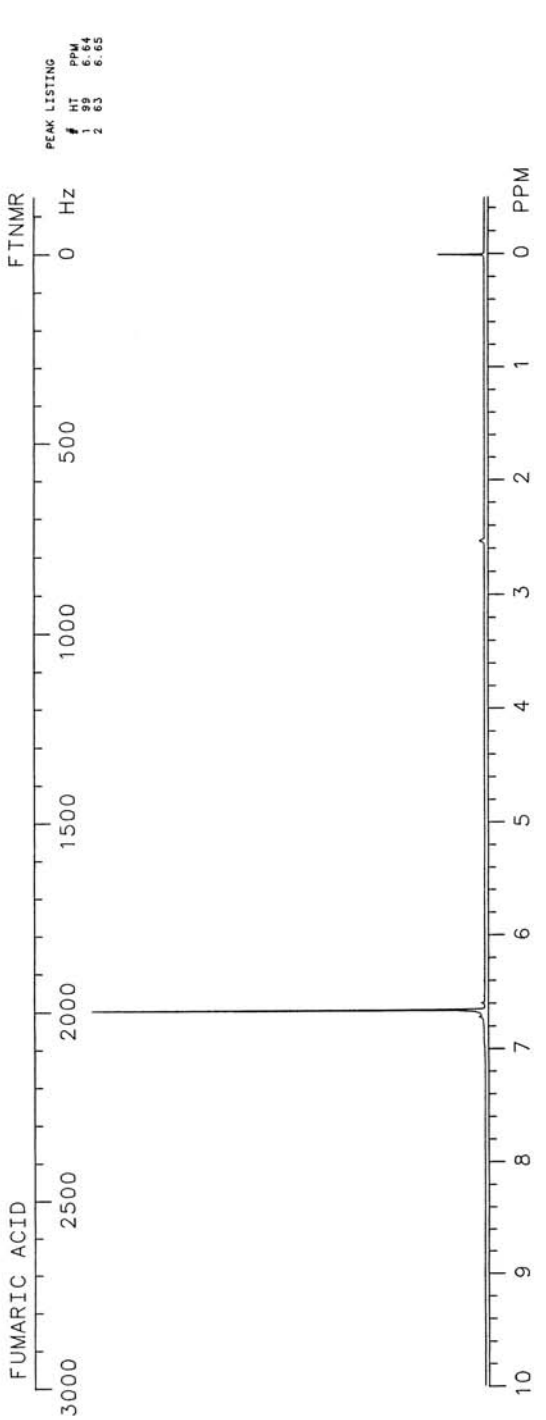
Molecular weight: 116.07 (116.01)
Synonyms: Butenedioic acid; trans-1,2-ethylenedicarboxylic acid; allomaleic acid; boletic acid
Trade names:

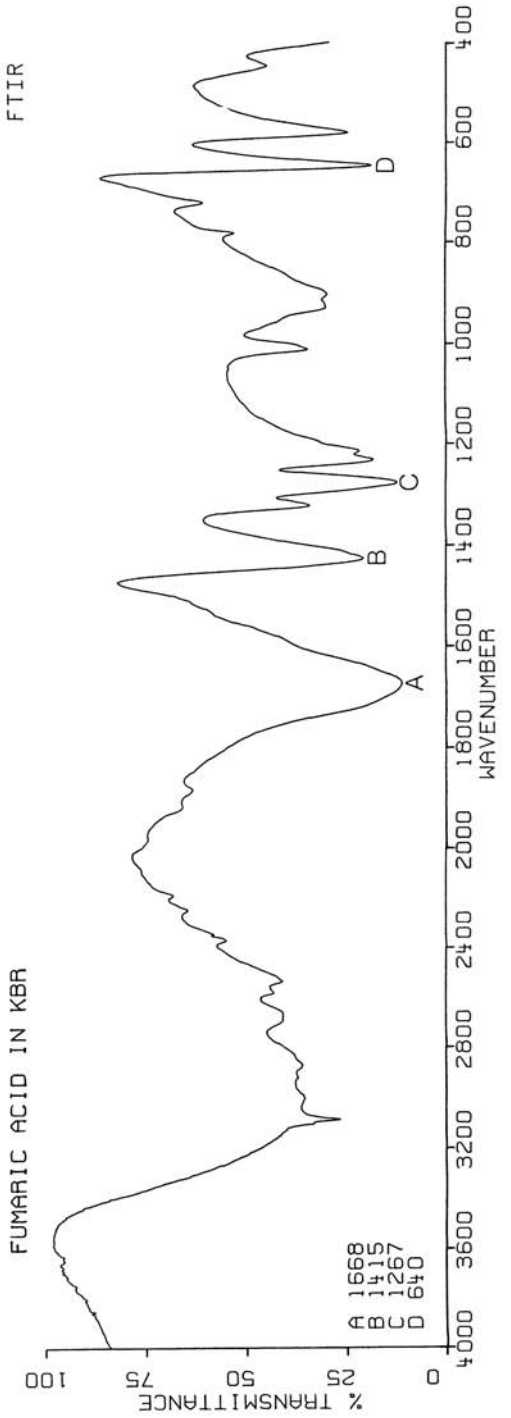
Use: Antioxidant
HPLC:
GC:







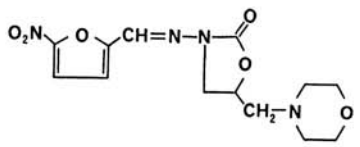

FUMARIC ACID
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 99 6.64
2 63 6.65
10
9
8
7
6
5
4
3
2
1
0 PPM

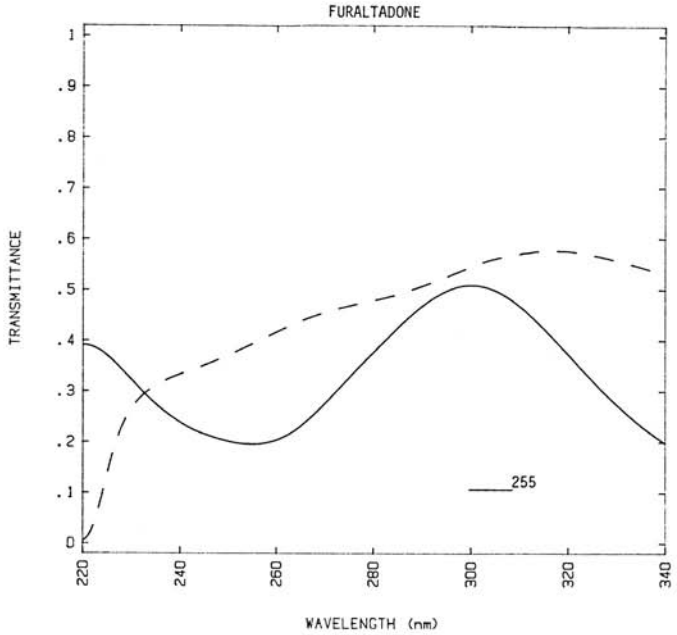

FUMARIC ACID IN KBR
FTIR
A 1668
B 1415
C 1267
D 640
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

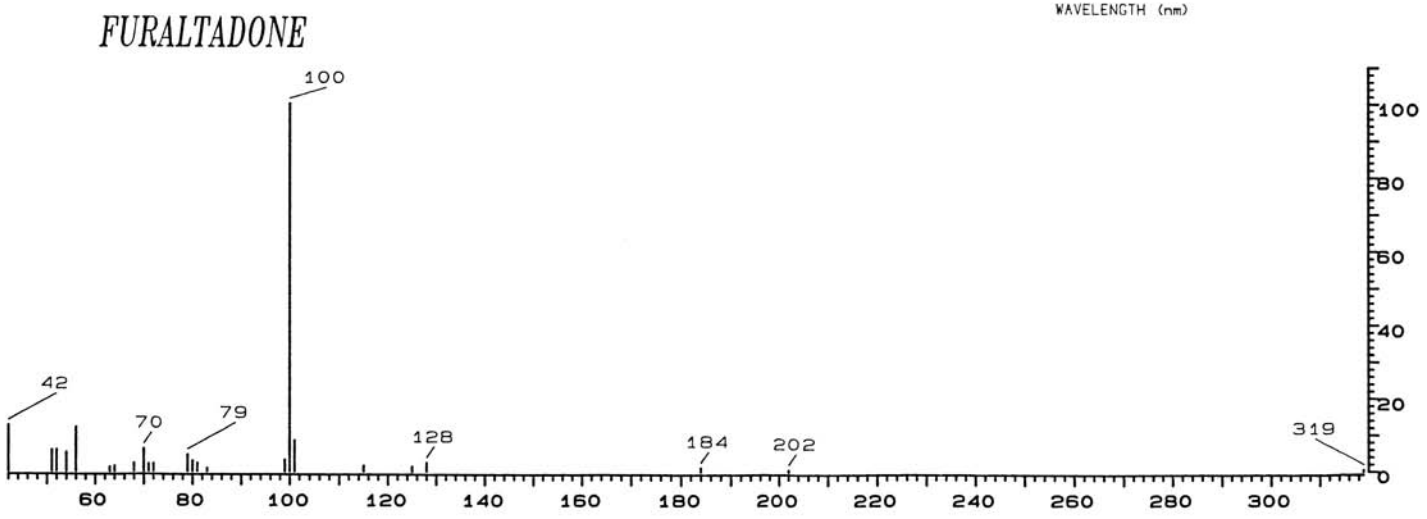
FURALTADONE

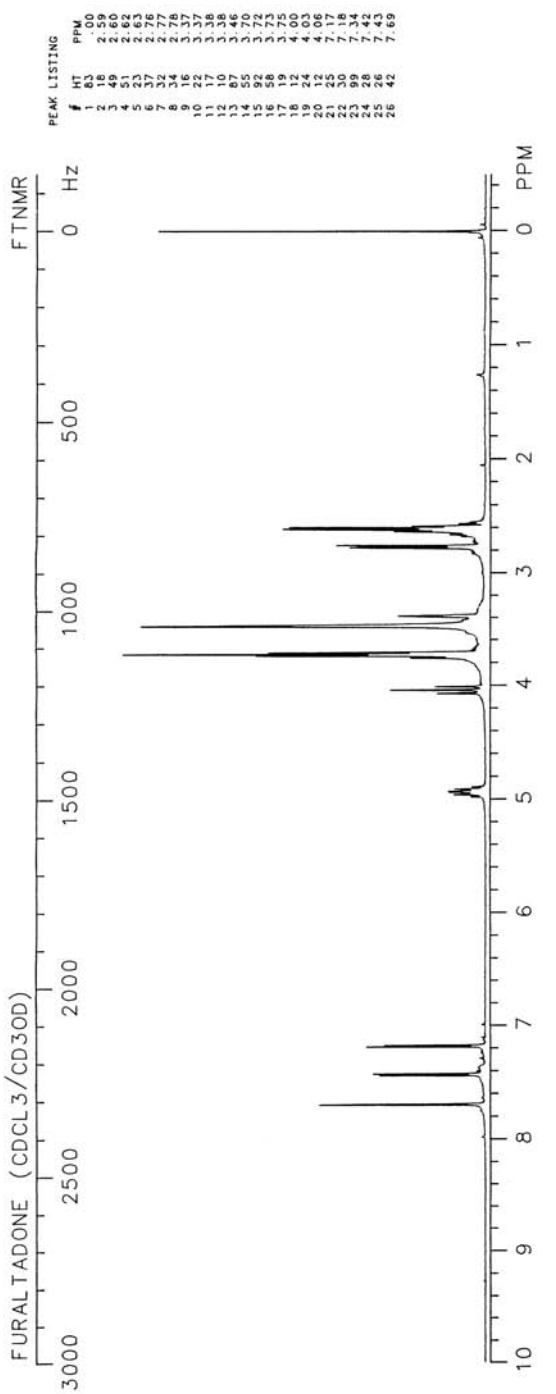
$C_{13}H_{16}N_4O_6$

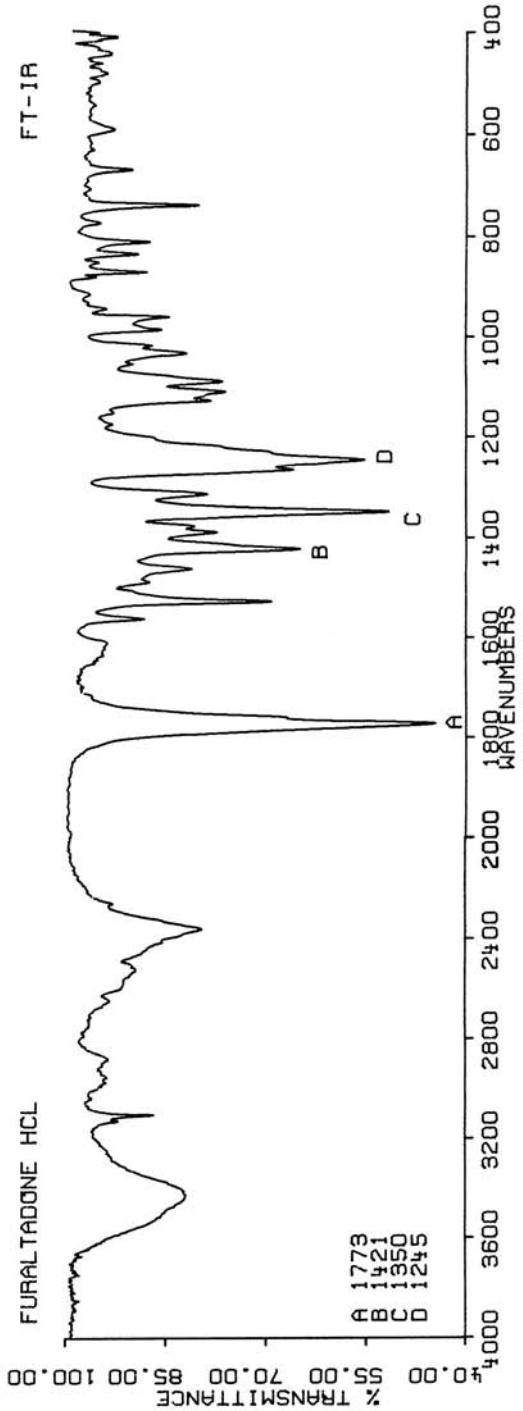
Molecular weight: 324.29 (324.11)
Synonyms: 5-(4-Morpholinylmethyl)-3-[[(5-nitro-2-furanyl)methylene]amino]
-2-oxazolidinone; nitrofurmethone; furmethonol; nitrofurmethonum
Trade names: Altafur, Altabactina, Furazolin, Ibifur, Medifuran, Unifur,
Nitraldone, Otifuril, Sepsinol, Ultrafur, Valsyn
Use: Antibacterial
HPLC: Si-10; 1A:99B; 5.9
GC:








FURALTADONE (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 83 .00
2 18 2.59
3 49 2.60
4 51 2.62
5 23 2.63
6 37 2.76
7 32 2.77
8 34 2.78
9 16 3.37
10 22 3.37
11 17 3.38
12 10 3.46
13 87 3.70
14 55 3.72
15 92 3.75
16 58 3.75
17 19 4.00
18 12 4.03
19 24 4.06
20 12 4.06
21 25 7.17
22 30 7.18
23 99 7.34
24 28 7.42
25 46 7.55
26 42 7.69


FURALTADONE HCL
FT-IR
% 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
A 1773
B 1421
C 1350
D 1245
A
B
C
D

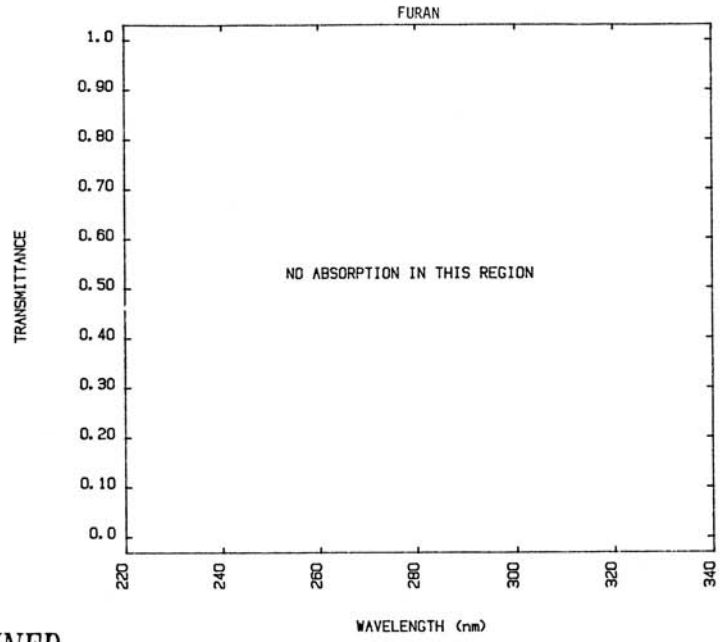
FURAN

C_4H_4O

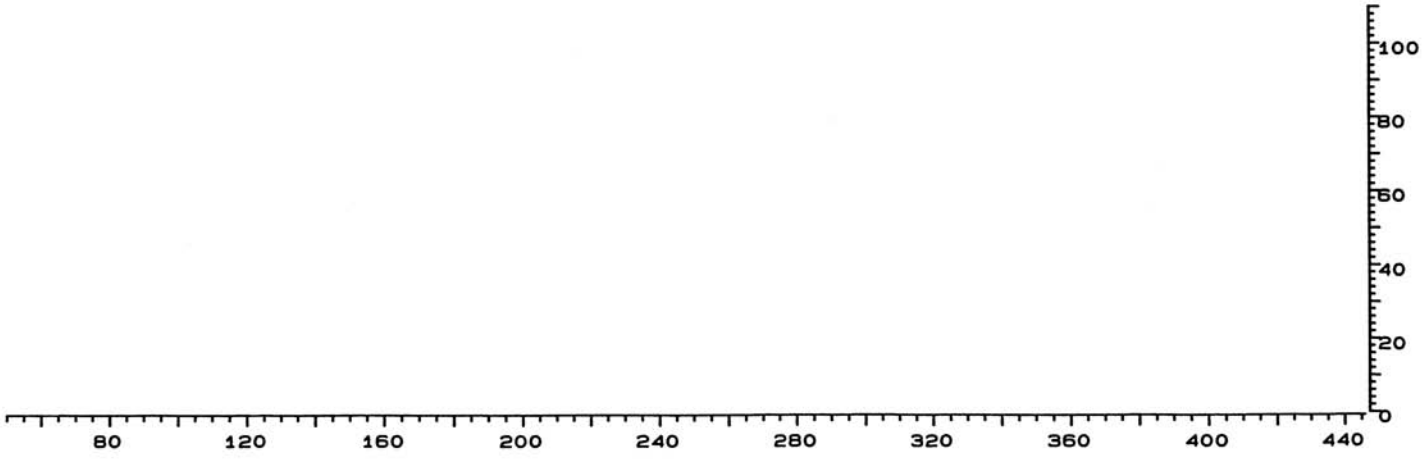
Molecular weight: 68.07 (68.03)
Synonyms: Furfuran; oxole; tetrole; divinylene oxide

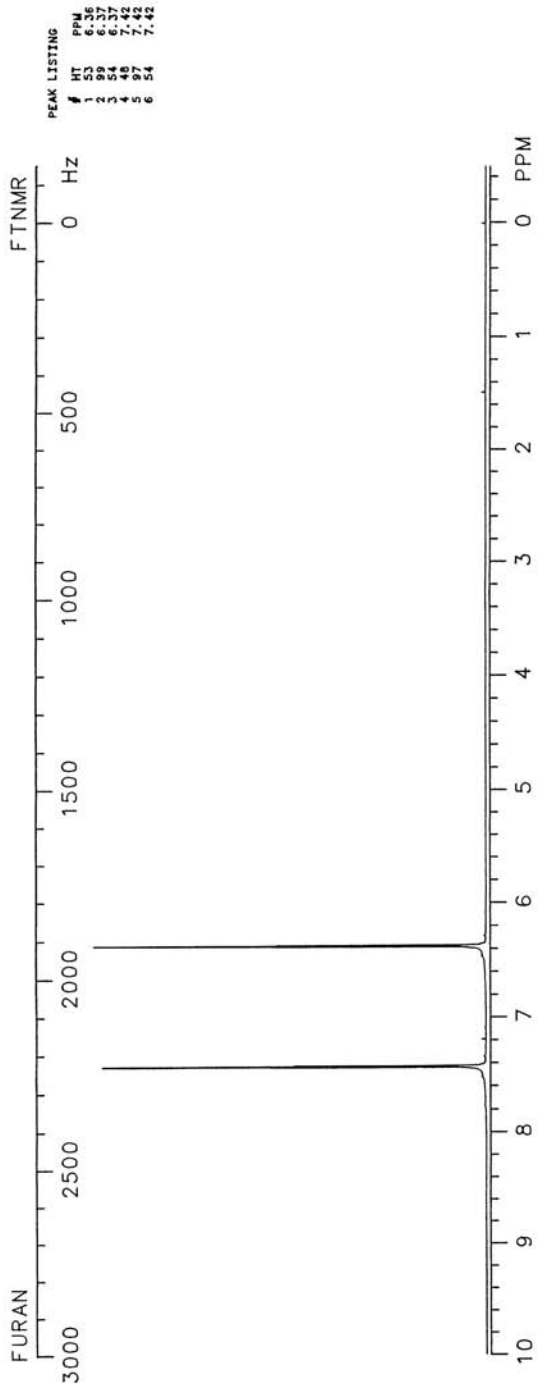
Trade names:

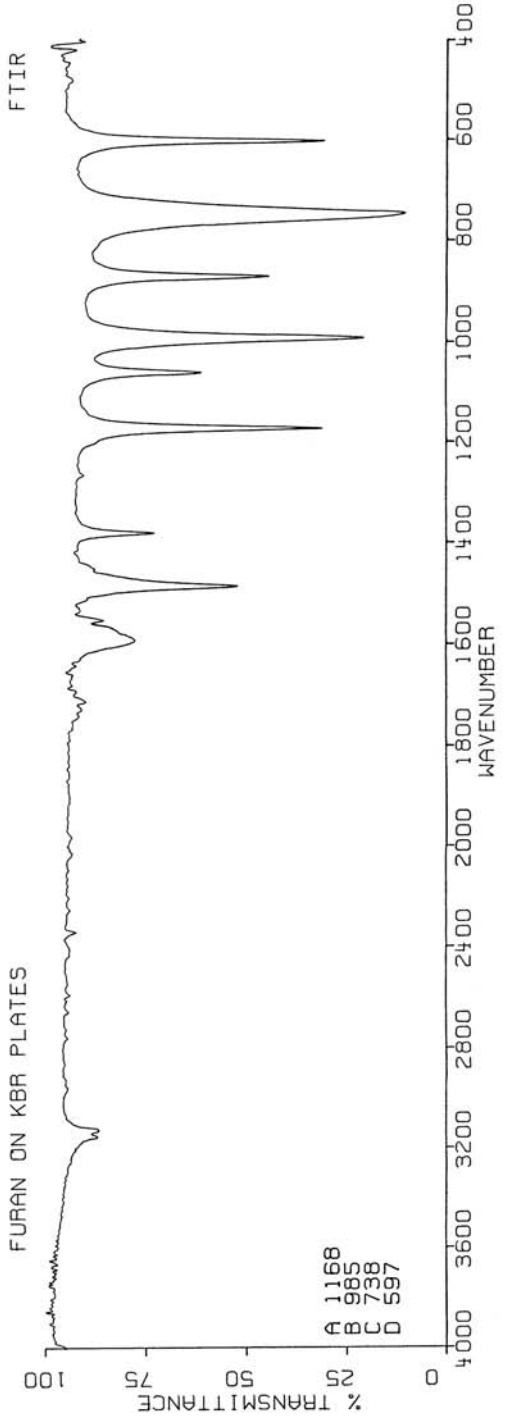
Use: Narcotic
HPLC:
GC:



NO USEFUL MASS SPECTRUM WAS OBTAINED




FURAN
FTNMR
PEAK LISTING
HT PPM
1 55 6.36
2 59 6.37
3 54 6.37
4 48 7.42
5 97 7.42
6 54 7.42
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

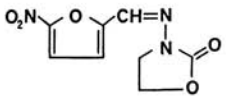

FURAN ON KBR PLATES
FTIR
A 1168
B 985
C 738
D 597
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

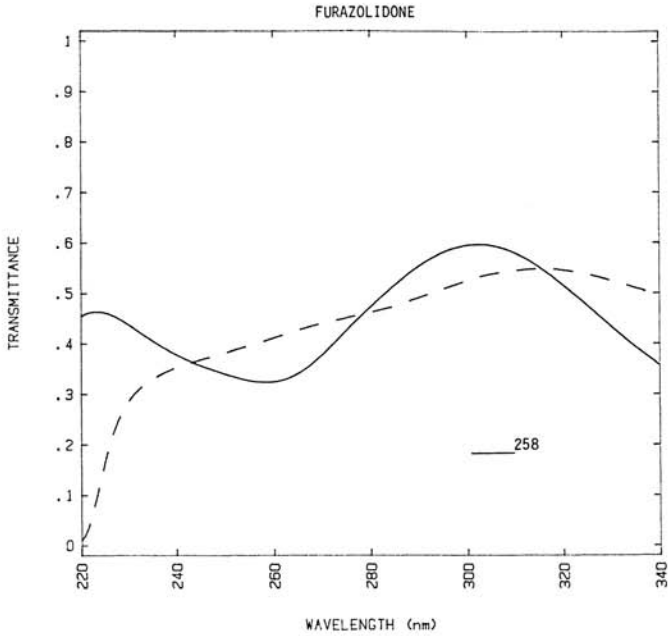
FURAZOLIDONE

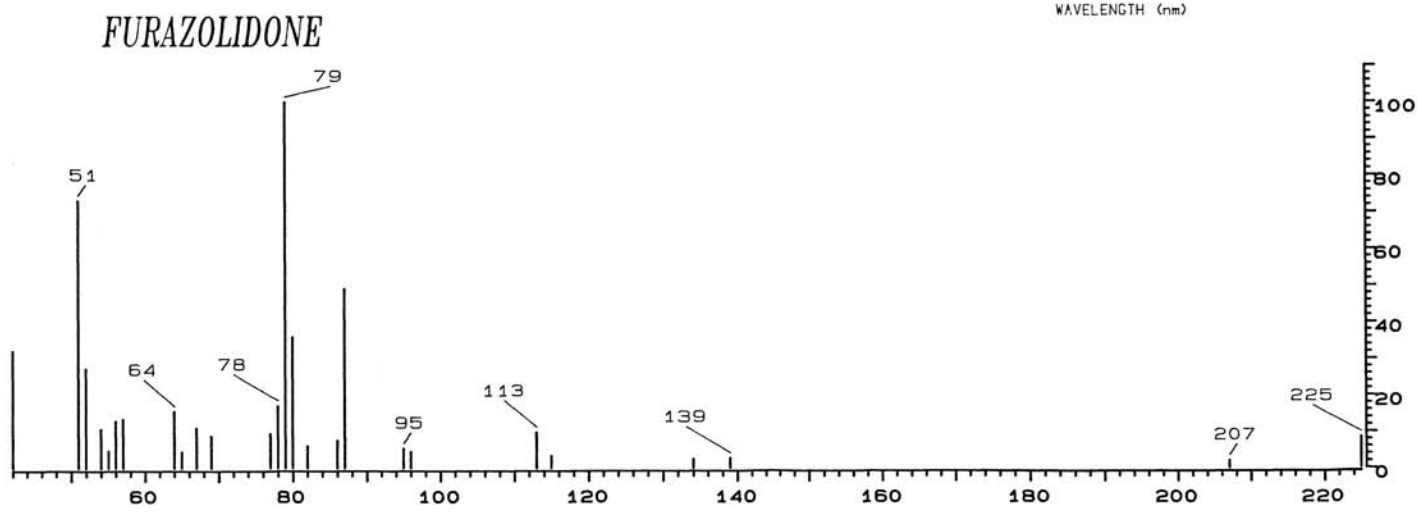
$C_8H_7N_3O_5$

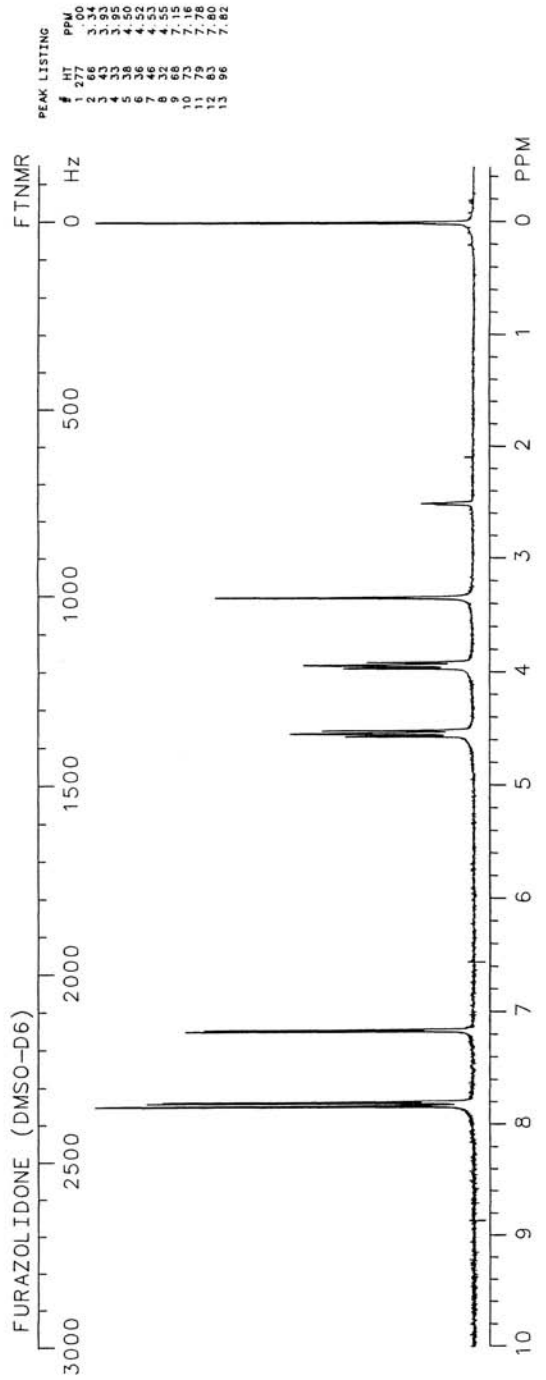
Molecular weight: 225.16 (225.04)
Synonyms: 3-[[(5-Nitro-2-furanyl)methylene]amino]-2-oxazolidinone; nifurazolidonum
Trade names: Furoxone

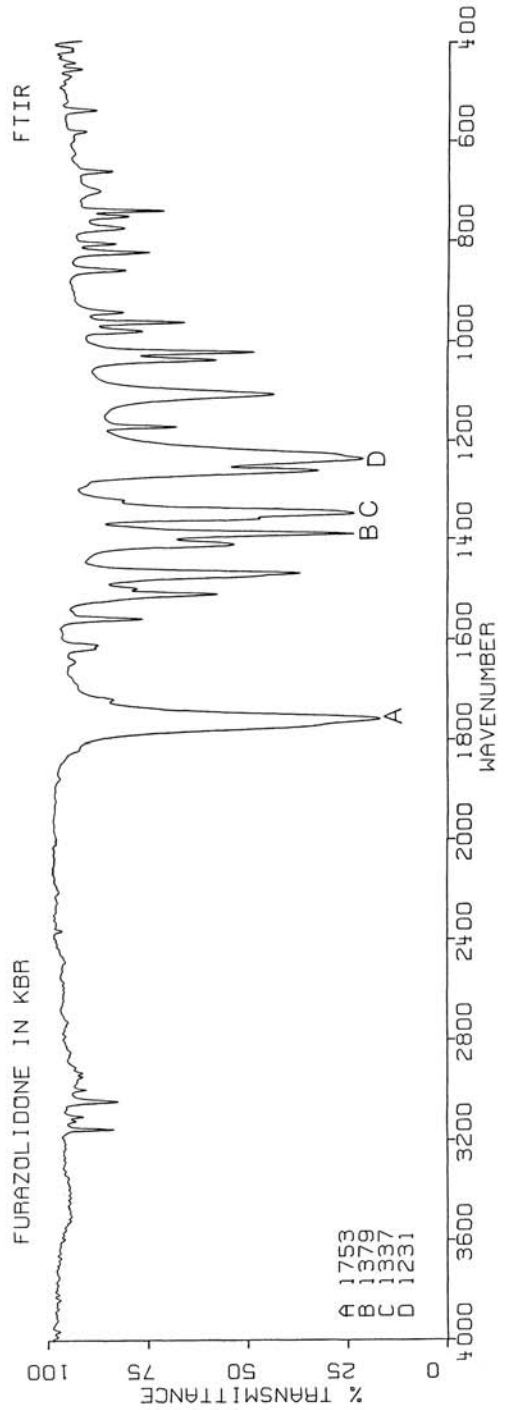
Use: Topical anti-infective
HPLC: Si-10; 100B; 5.7
GC:








FURAZOLIDONE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 277 8.00
2 66 3.34
3 43 3.30
4 33 3.85
5 38 4.50
6 36 4.52
7 46 4.53
8 32 4.55
9 68 7.15
10 73 7.16
11 79 7.78
12 83 7.80
13 96 7.82
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

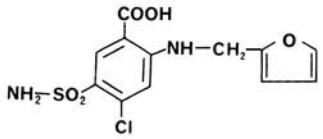

FURAZOLIDONE IN KBR
FTIR
A 1753
B 1379
C 1337
D 1231
A
B C D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

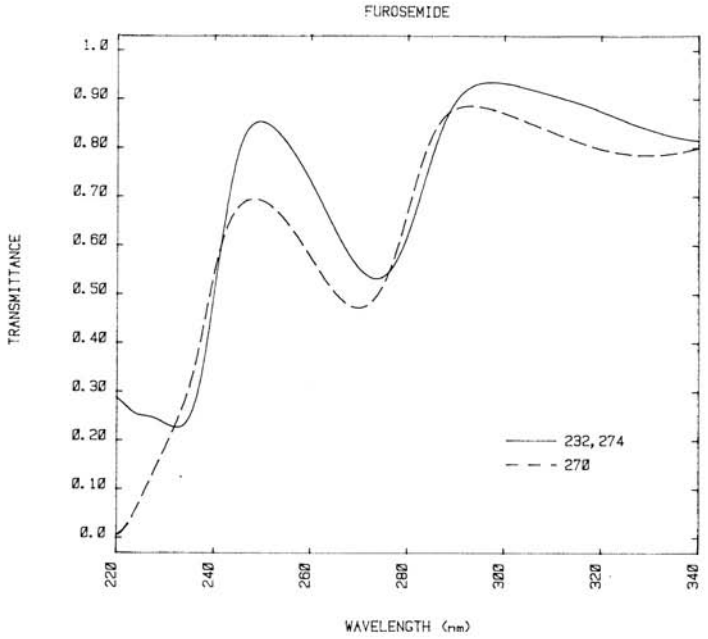
FUROSEMIDE

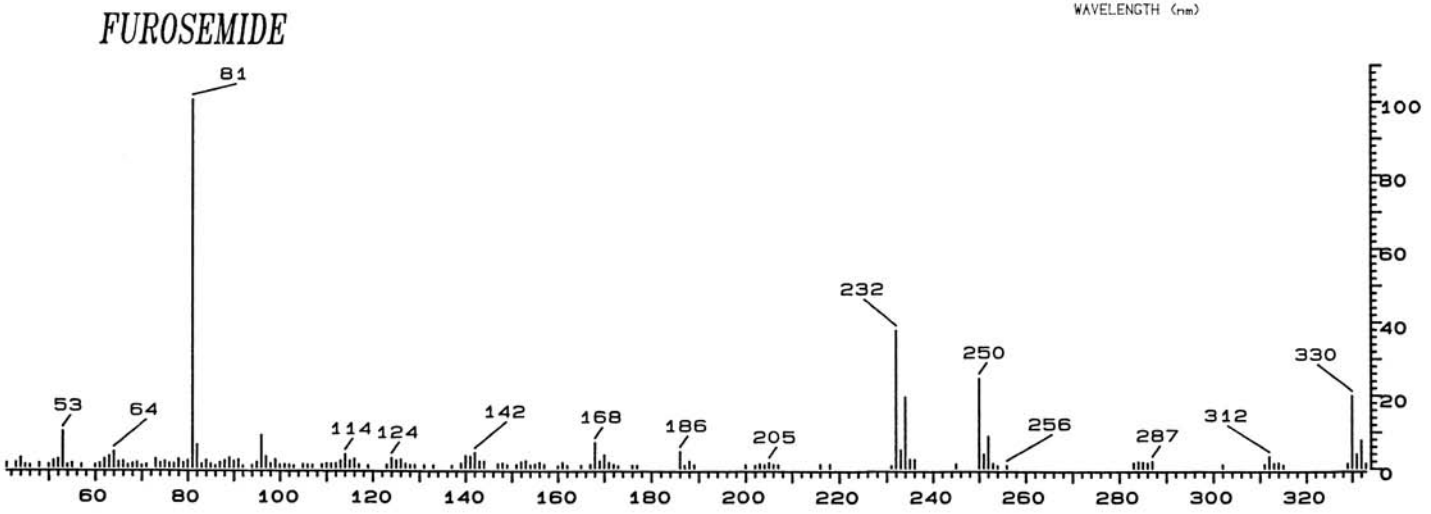
$C_{12}H_{11}ClN_2O_5S$

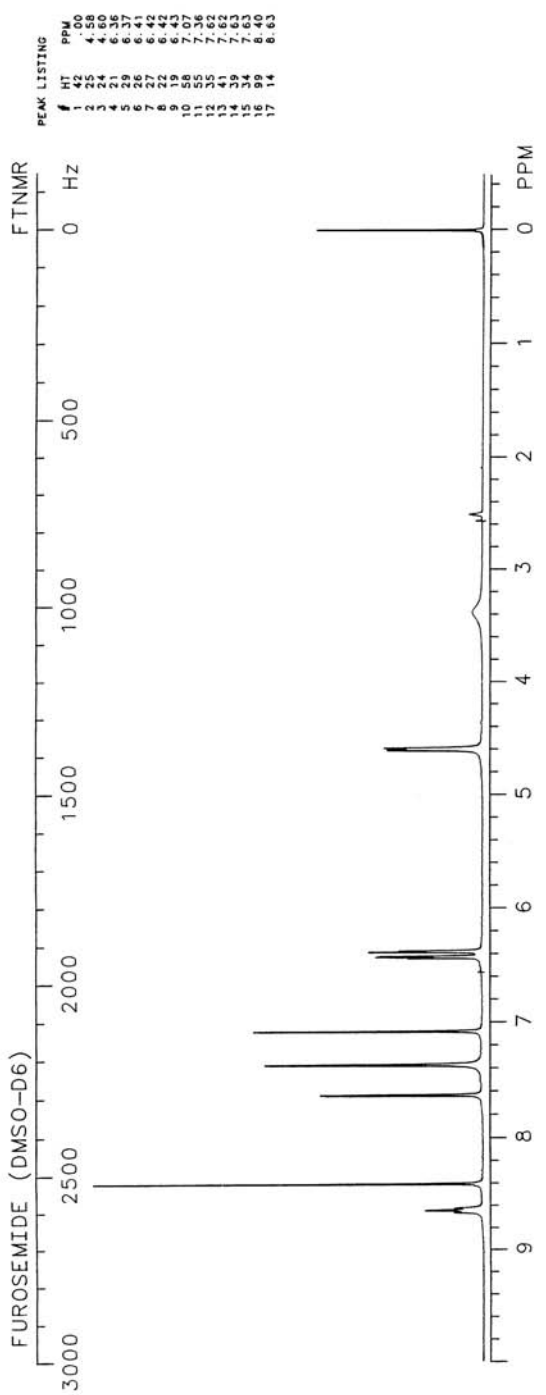
Molecular weight: 330.74 (330.01)
Synonyms: 5-(Aminosulfonyl)-4-chloro-2-[(2-furanylmethyl)amino]-benzoic acid
Trade names: Lasix

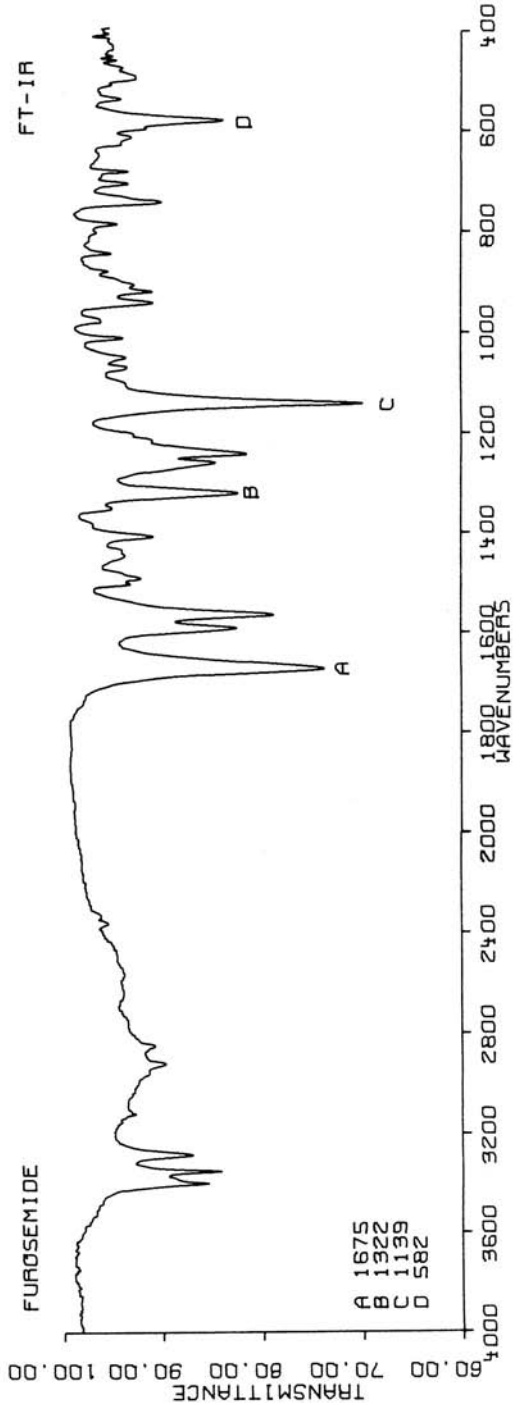
Use: Diuretic, antihypertensive
HPLC:
GC:








FUROSEMIDE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 PPM
PEAK LISTING
f HT PPM
1 42 .00
2 25 4.58
3 24 4.60
4 21 6.36
5 29 6.37
6 26 6.41
7 27 6.42
8 22 6.43
9 19 7.07
10 58 7.36
11 55 7.62
12 35 7.62
13 41 7.63
14 39 7.63
15 34 7.63
16 99 8.40
17 14 8.63


FT-IR
FUROSEMIDE
A 1675
B 1322
C 1139
D 582
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

FUSIDIC ACID

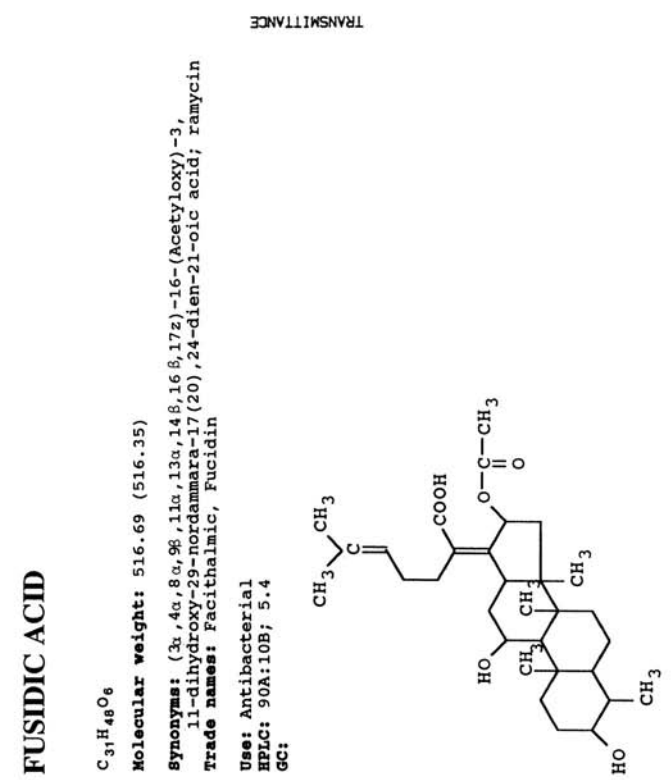
$C_{31}H_{48}O_6$

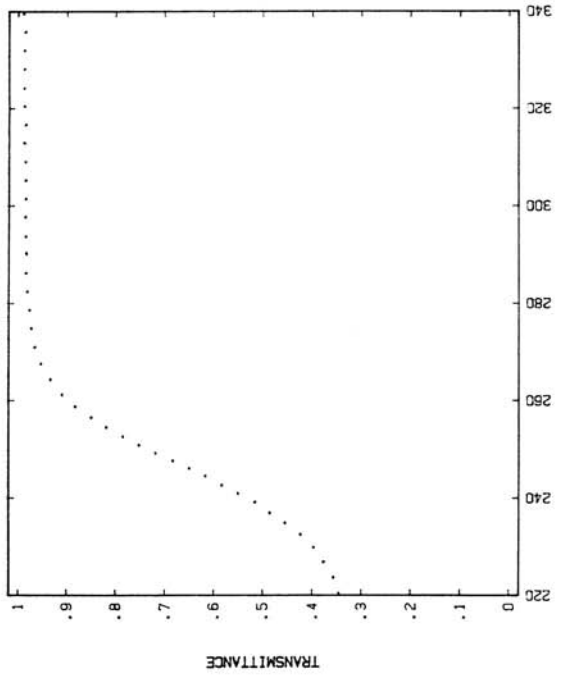
Molecular weight: 516.69 (516.35)

Synonyms: (3α,4α,8α,9β,11α,13α,14β,16β,17z)-16-(Acetyloxy)-3,11-dihydroxy-29-nordammara-17(20),24-dien-21-oic acid; ramycin

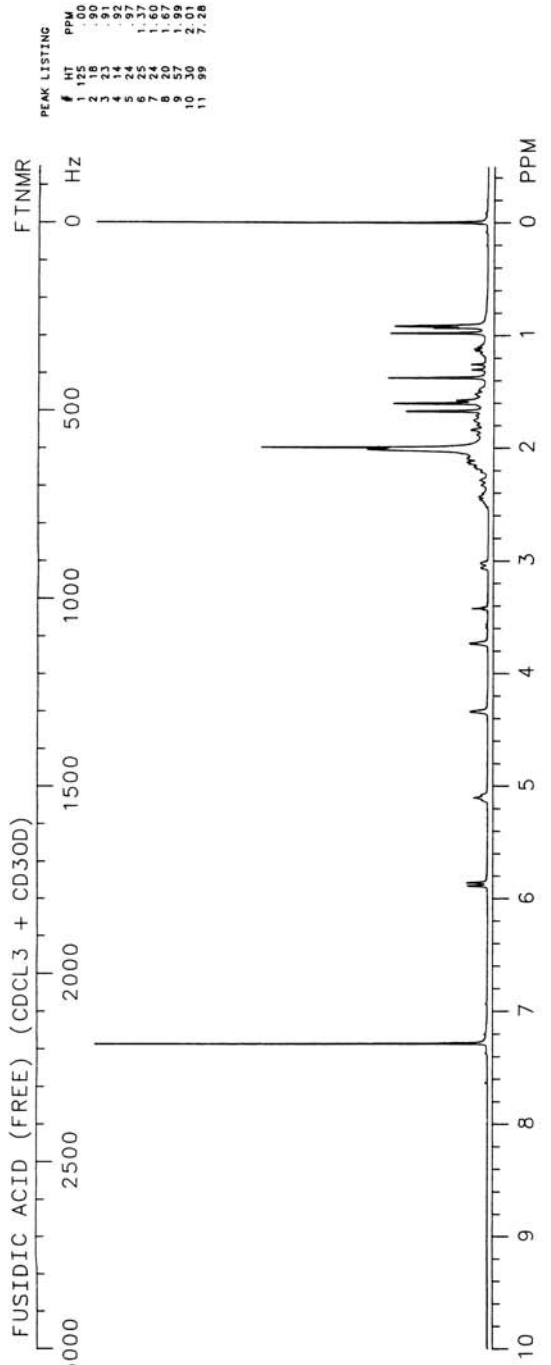
Trade names: Facithalmic, Fucidin

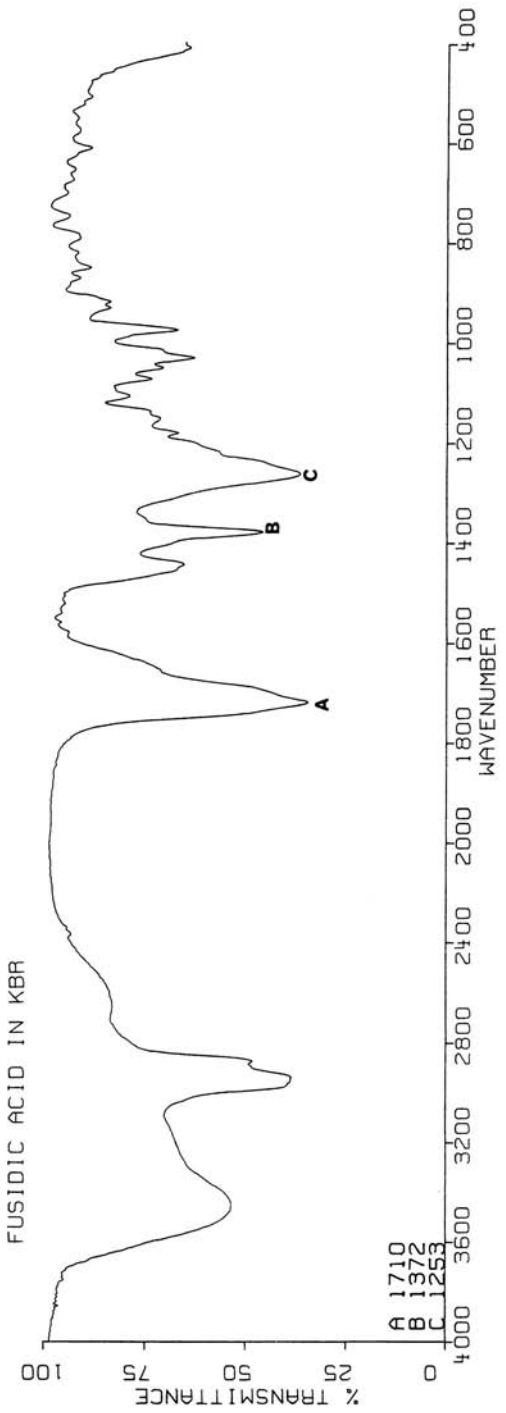
Use: Antibacterial
HPLC: 90A:10B; 5.4
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED


FUSIDIC ACID (FREE) (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 125 .00
2 18 .90
3 23 .91
4 14 .92
5 24 .97
6 25 1.37
7 24 1.60
8 20 1.67
9 57 1.99
10 30 2.01
11 99 7.28
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FUSIDIC ACID IN KBR
A 1710
B 1372
C 1253
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

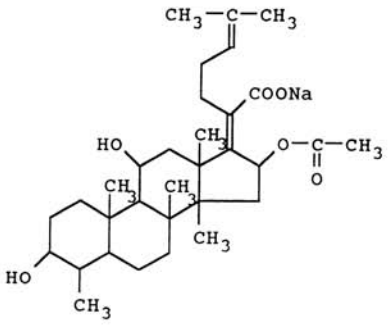
FUSIDIC ACID SODIUM SALT

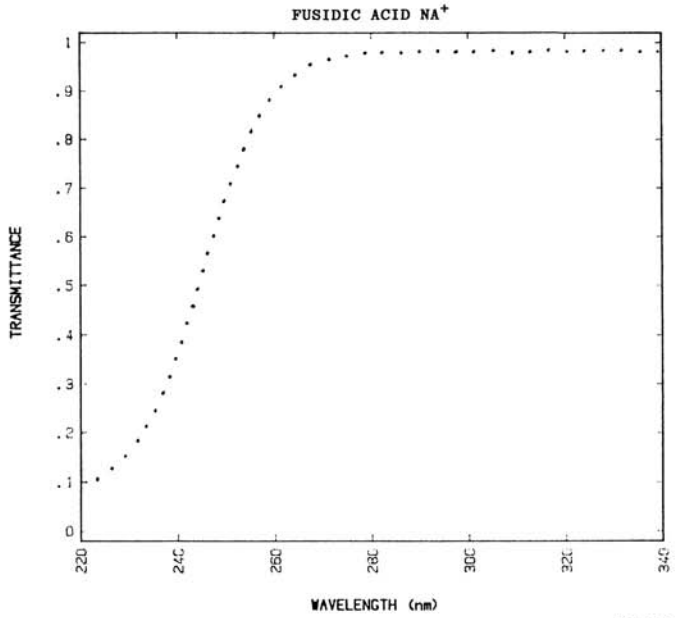
$C_{31}H_{47}NaO_6$

Molecular weight: 538.70 (538.34)

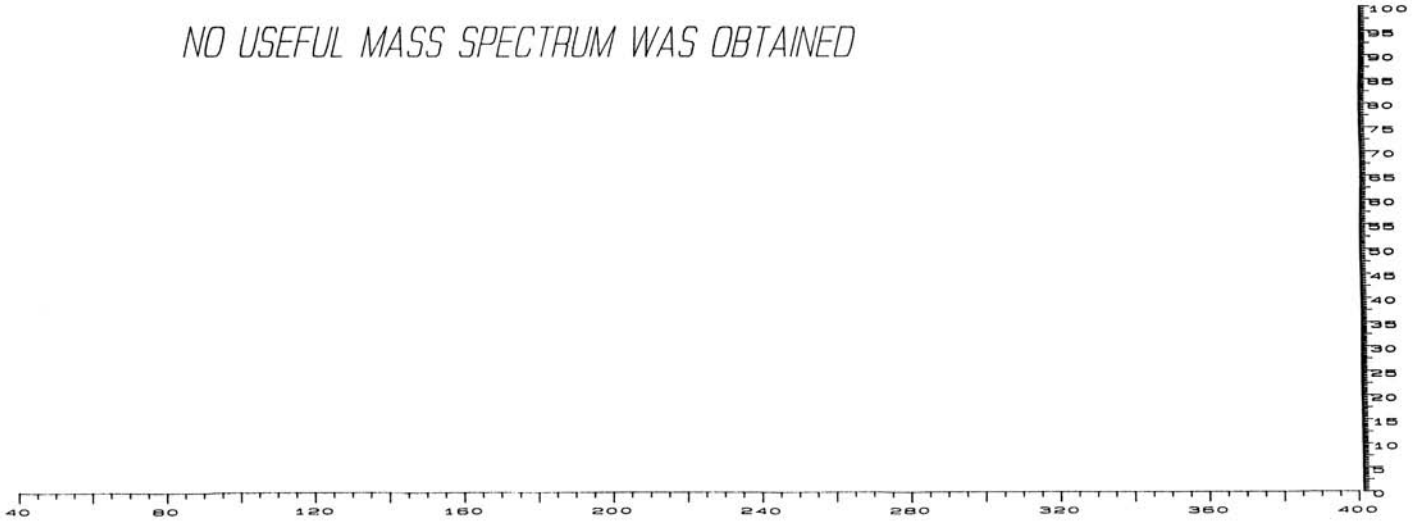
Synonyms: (3α,4α,8α,9β,11α,13α,14β,16β,17z)-16-(Acetyloxy)-3,11-dihydroxy 29-nordammara-17(20),24-dien-21-oic acid sodium salt
Trade names: Facidin, Fucidina, Fucidine, Fucidin, Intertulle

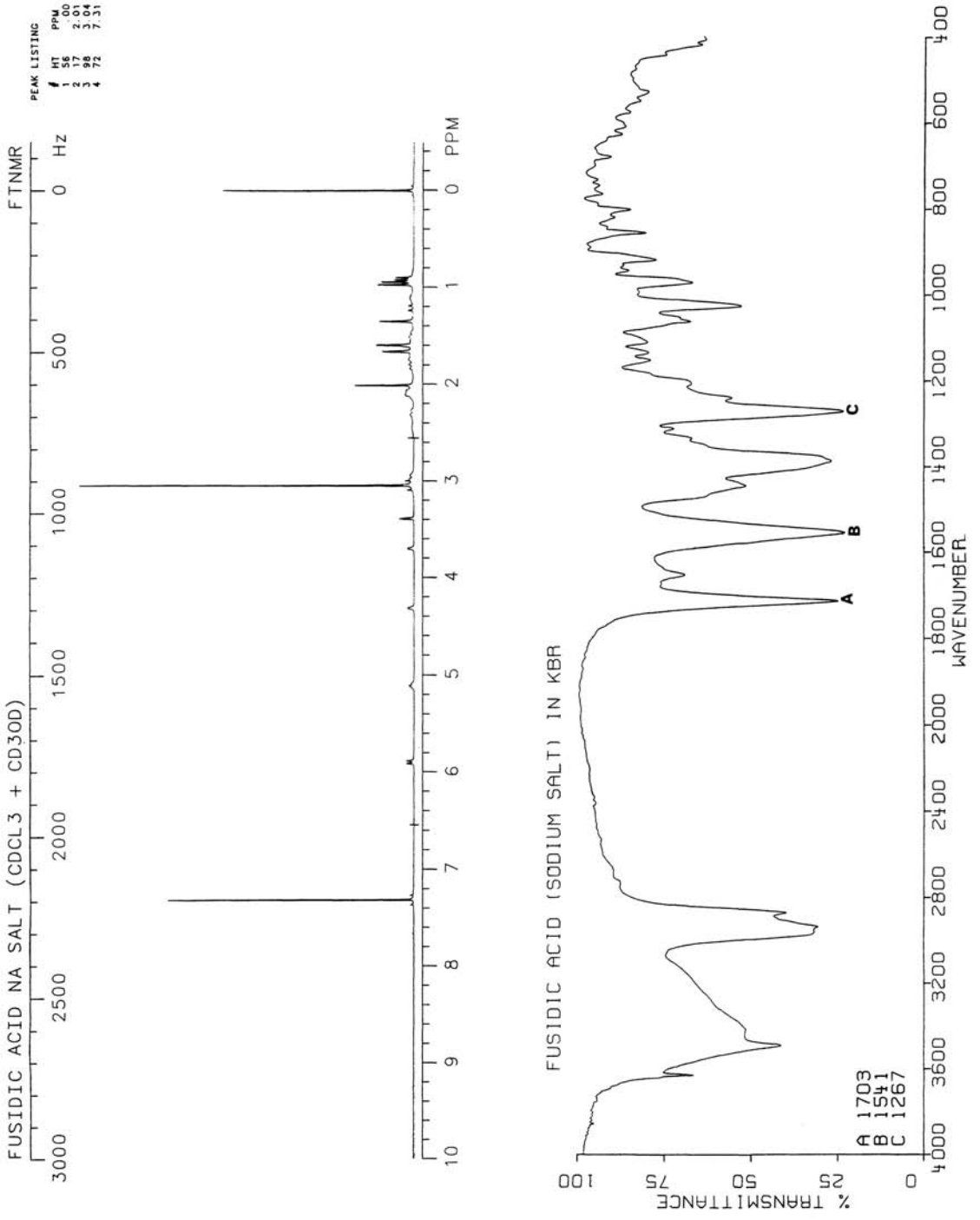
Use: Antibacterial
HPLC: 90A:10B; 7.7
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

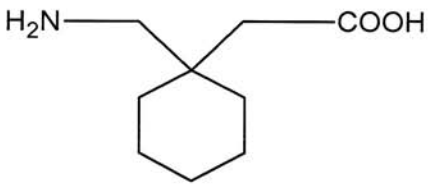


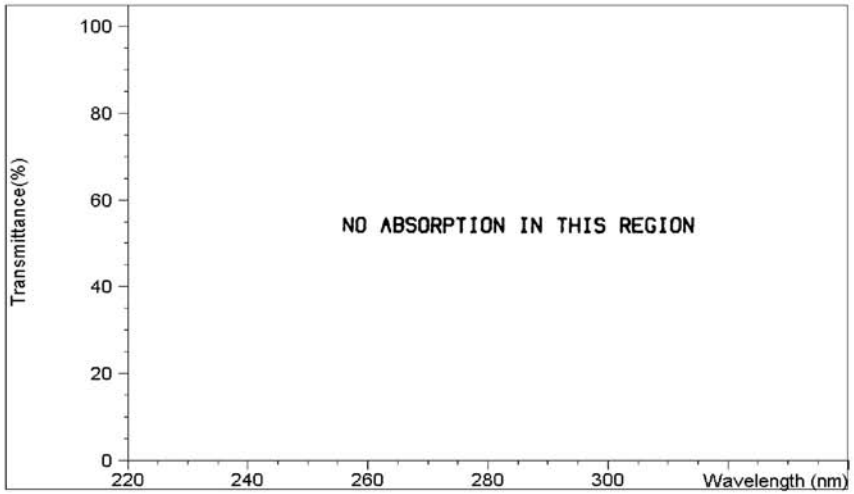

FUSIDIC ACID NA SALT (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 56 .00
2 17 2.01
3 98 3.04
4 72 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
FUSIDIC ACID (SODIUM SALT) IN KBR
A 1703
B 1541
C 1267
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

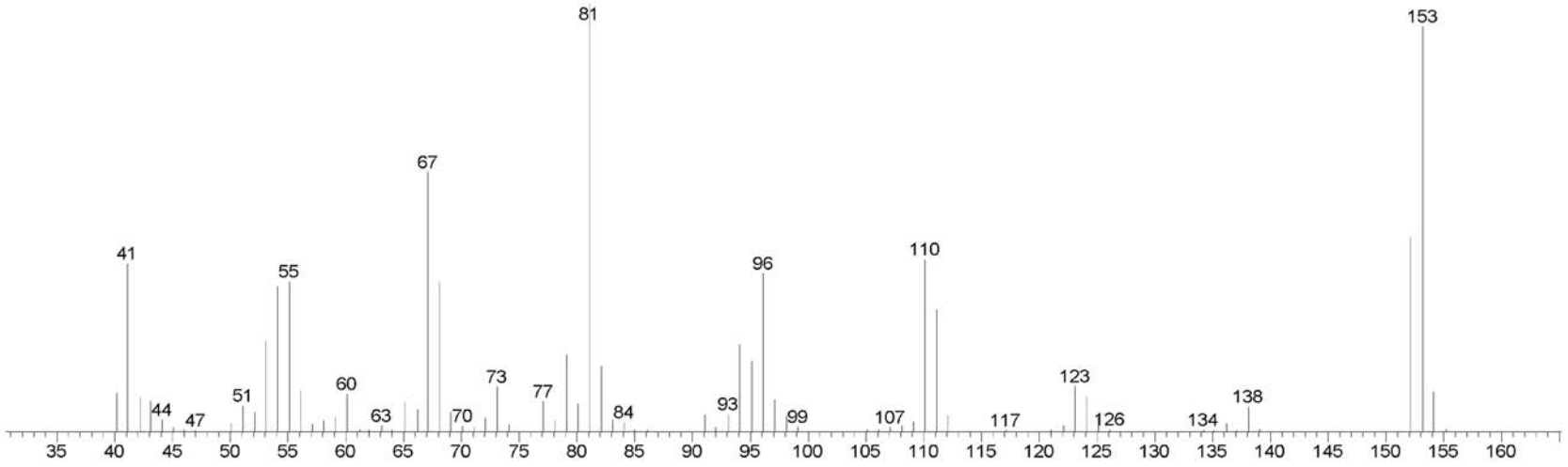
GABAPENTIN

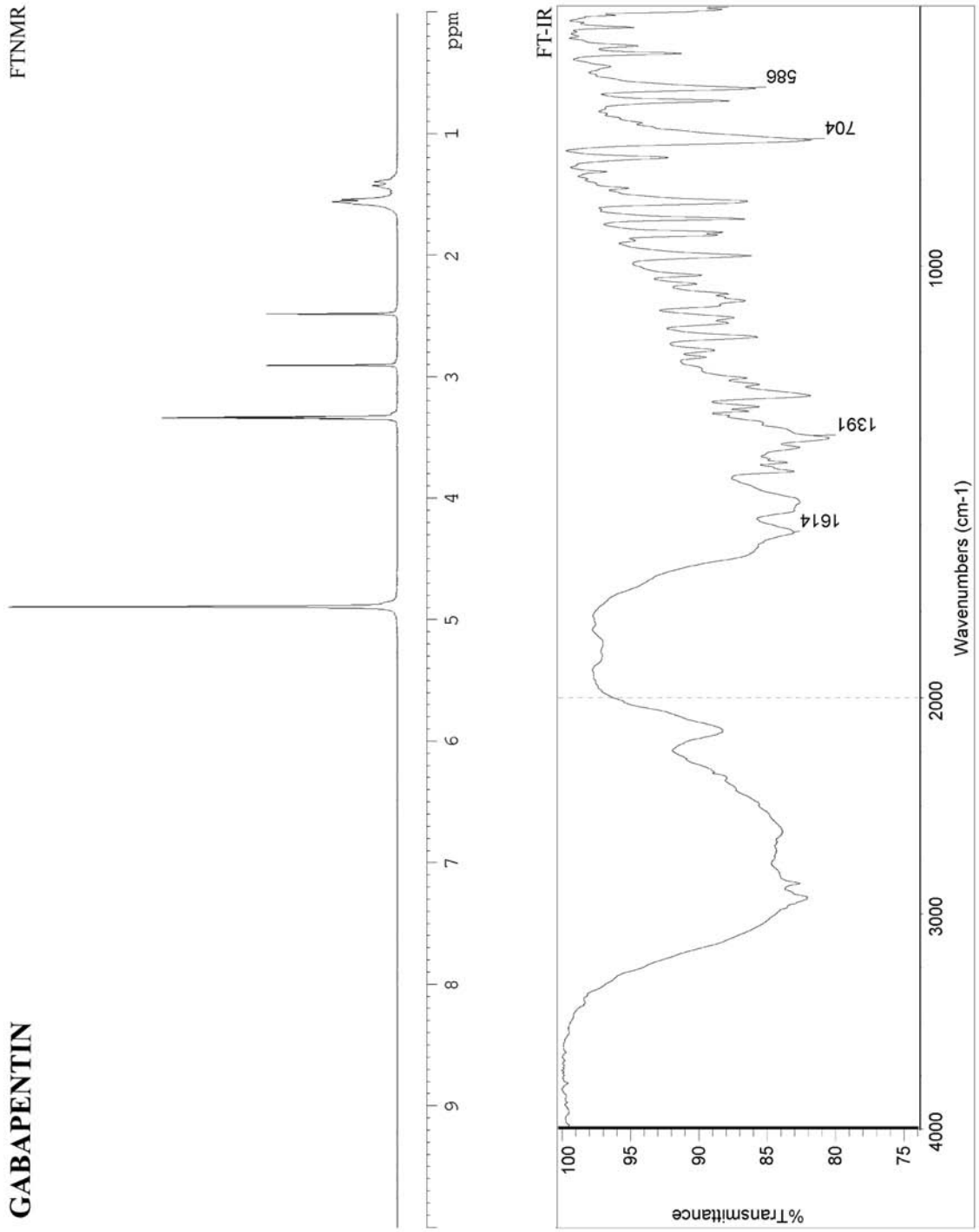
$C_9H_{17}NO_2$

Molecular Weight: 171.24 (171.13)
Synonyms: 1-(Aminomethyl)-cyclohexaneacetic acid
Trade names: Neurontin
Use: Anticonvulsant








GABAPENTIN
FTNMR
ppm
9
8
7
6
5
4
3
2
1
FT-IR
%Transmittance
100
95
90
85
80
75
4000
3000
2000
1000
Wavenumbers (cm-1)
586
704
1391
1614

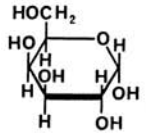
GALACTOSE

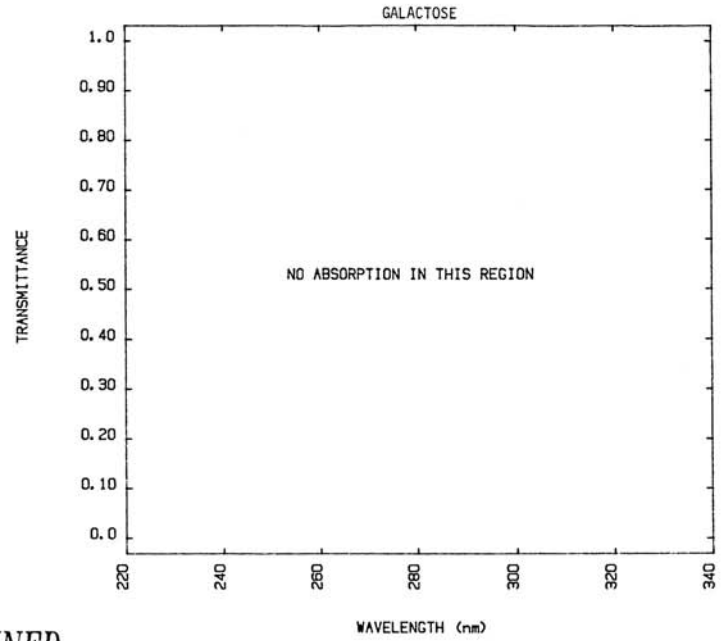
$C_6H_{12}O_6$

Molecular weight: 180.16 (180.06)
Synonyms: Cerebrose; brain sugar

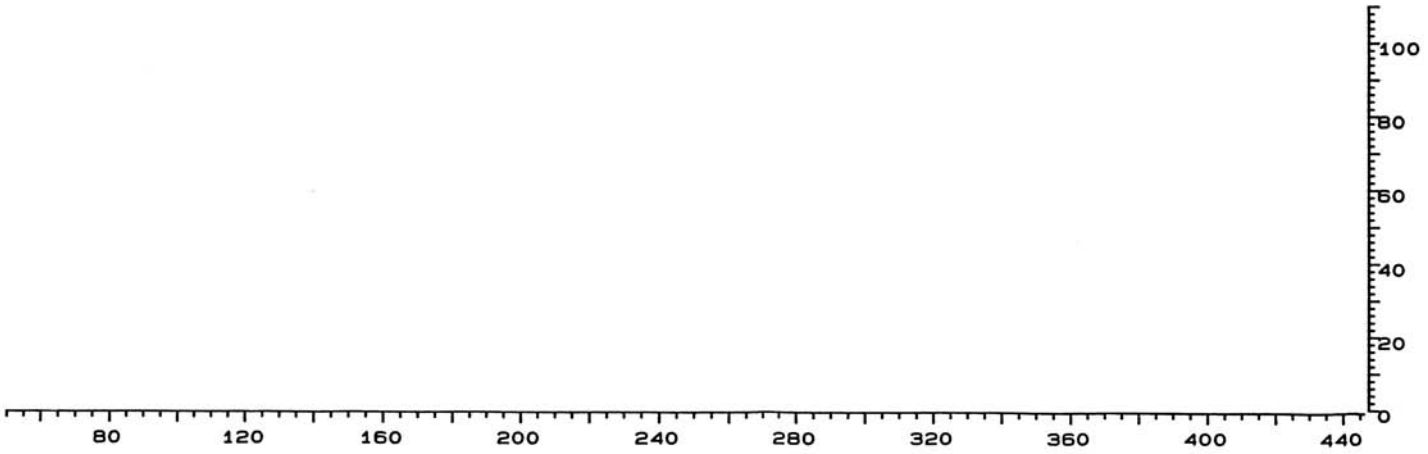
Trade names:

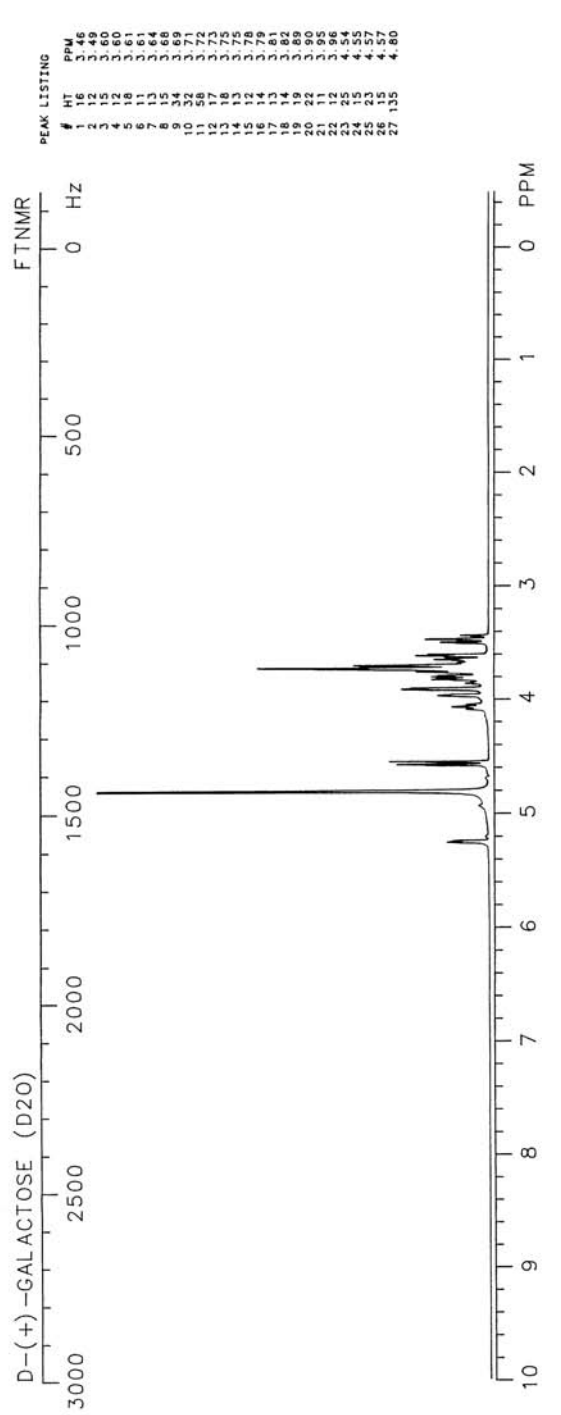
Use: Diagnostic aid
HPLC:
GC:

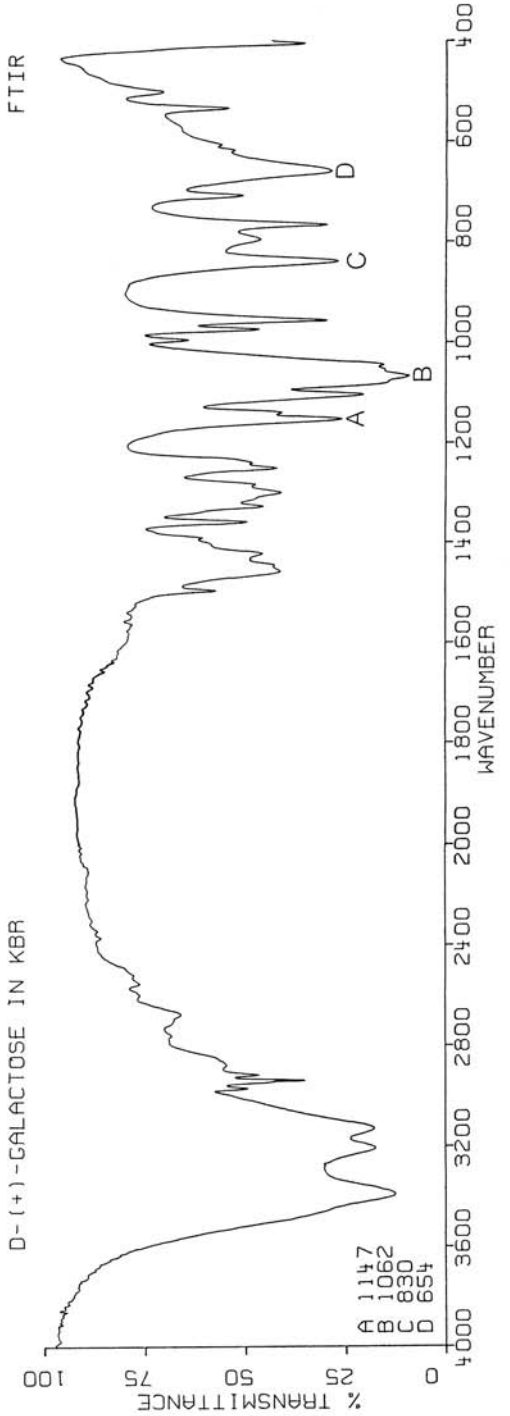




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
D-(+)-GALACTOSE (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 16 3.46
2 12 3.49
3 15 3.60
4 15 3.60
5 18 3.61
6 11 3.61
7 13 3.64
8 15 3.68
9 34 3.69
10 32 3.71
11 58 3.72
12 17 3.73
13 18 3.75
14 13 3.75
15 12 3.78
16 14 3.79
17 13 3.81
18 14 3.82
19 19 3.89
20 22 3.90
21 11 3.95
22 12 3.96
23 25 4.54
24 15 4.55
25 23 4.57
26 15 4.57
27 135 4.80

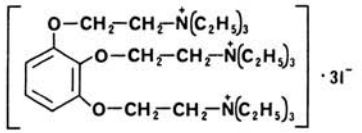

FTIR
D-(+)-GALACTOSE IN KBR
A 1147
B 1062
C 830
D 654
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

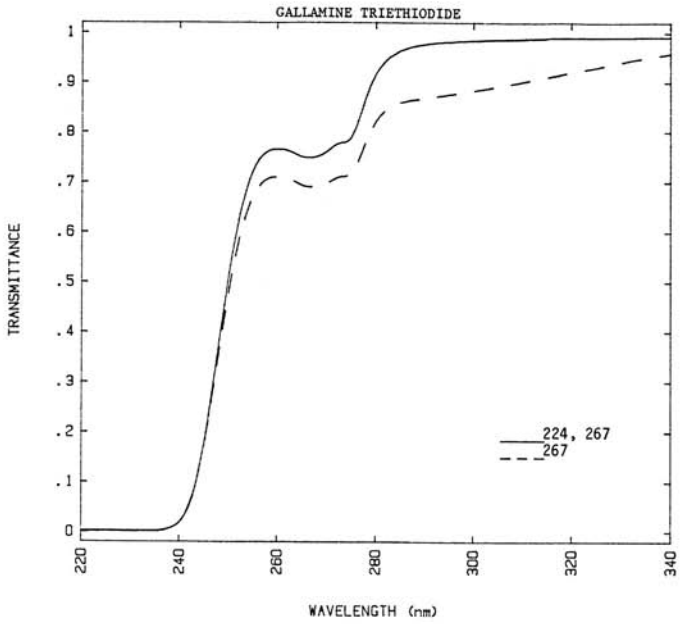
GALLAMINE TRIETHIODIDE

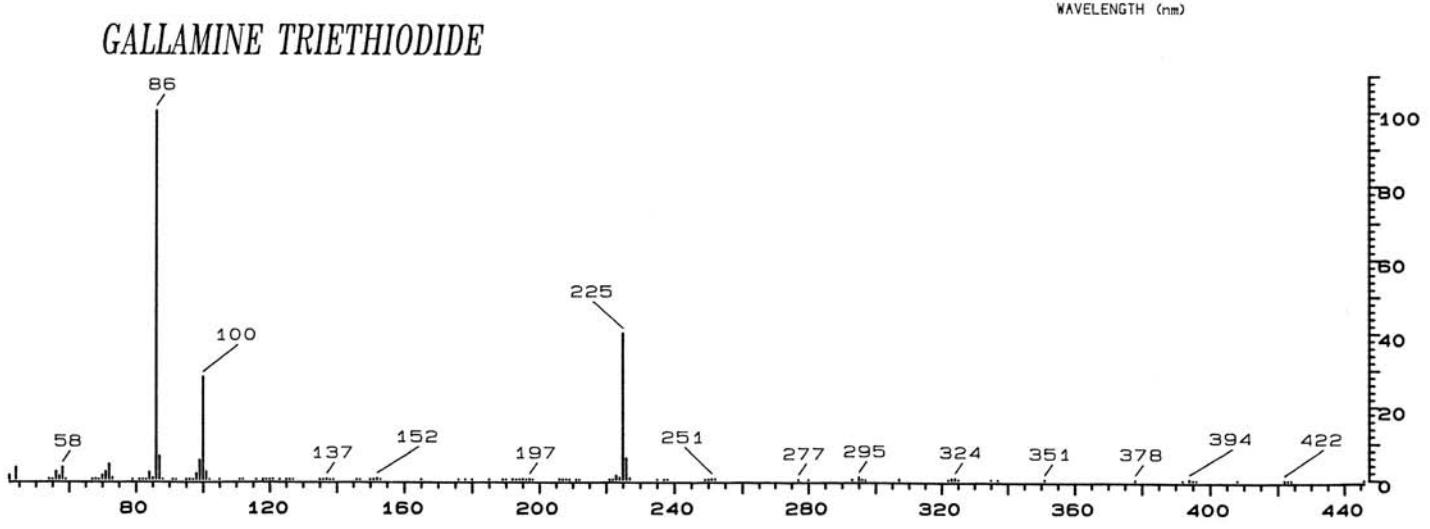
$C_{30}H_{60}I_3N_3O_3$

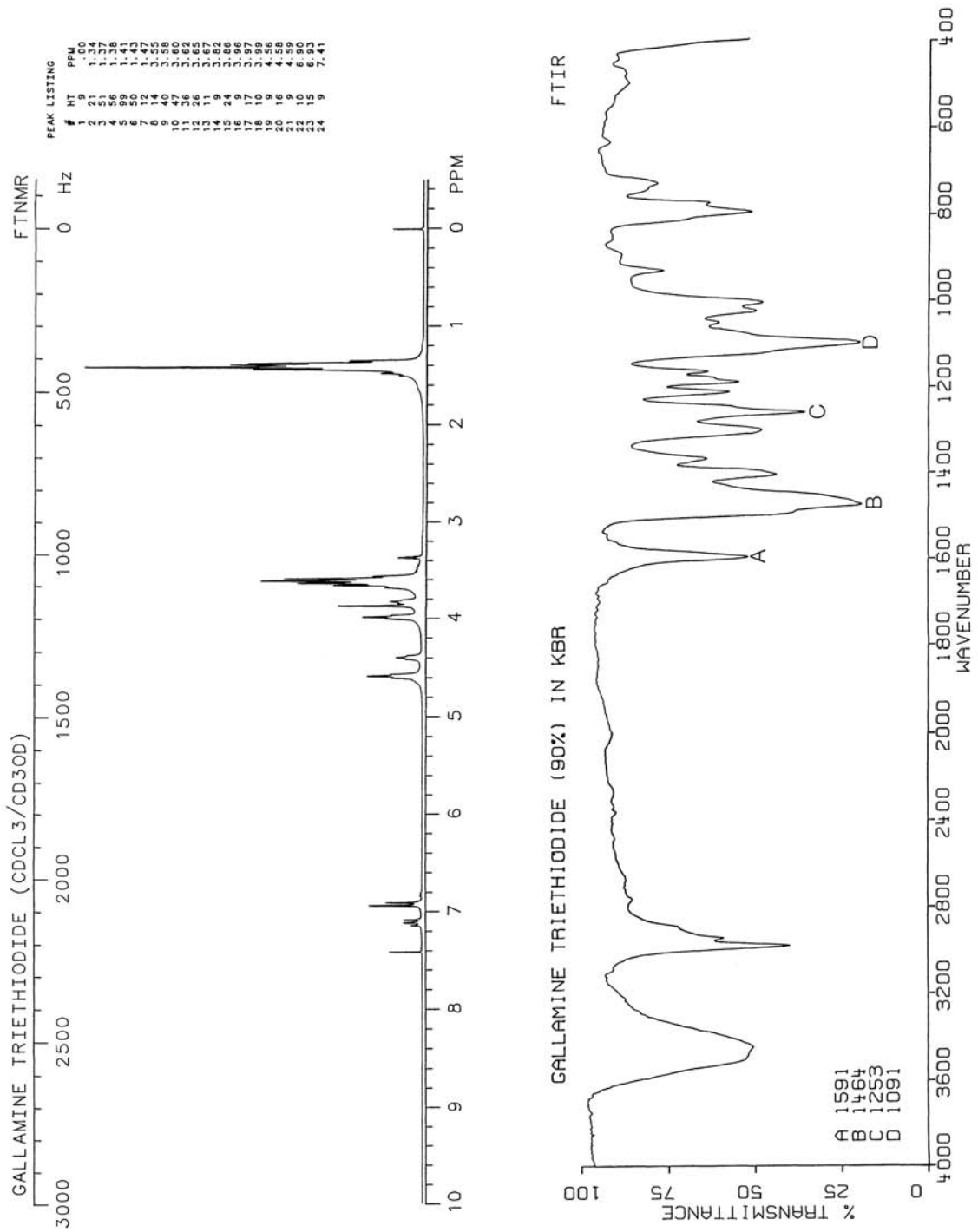
Molecular weight: 891.56 (891.18)
Synonyms: 2,2',2''-[1,2,3-Benzenetriyltris(oxy)]tris[N,N,N-triethyl-ethanaminium]triiodide; benzcurine iodide; bencurine iodide
Trade names: Flaxedil, Relaxan, Retensin, Tricuran

Use: Skeletal muscle relaxant
HPLC:
GC: 2657; 250°C








GALLAMINE TRIETHIODIDE (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 9 1.00
2 21 1.04
3 51 1.37
4 56 1.38
5 99 1.41
6 50 1.43
7 12 1.47
8 14 1.55
9 40 1.56
10 47 1.60
11 36 1.62
12 26 1.65
13 11 1.67
14 9 1.82
15 24 1.86
16 7 1.96
17 17 1.97
18 10 3.99
19 9 4.56
20 16 4.58
21 9 4.59
22 10 6.90
23 15 6.93
24 9 7.41
GALLAMINE TRIETHIODIDE (90%) IN KBR
FTIR
A 1591
B 1464
C 1253
D 1091
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

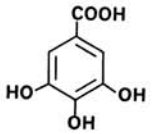
GALLIC ACID

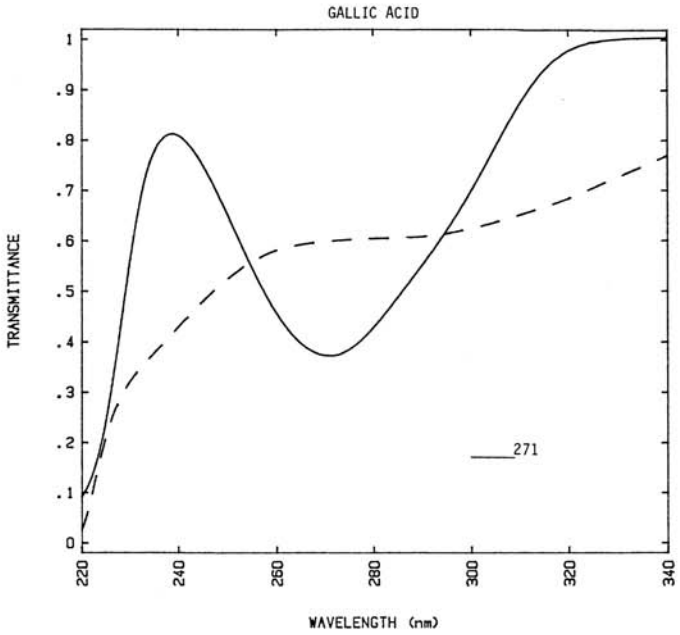
$C_7H_6O_5$

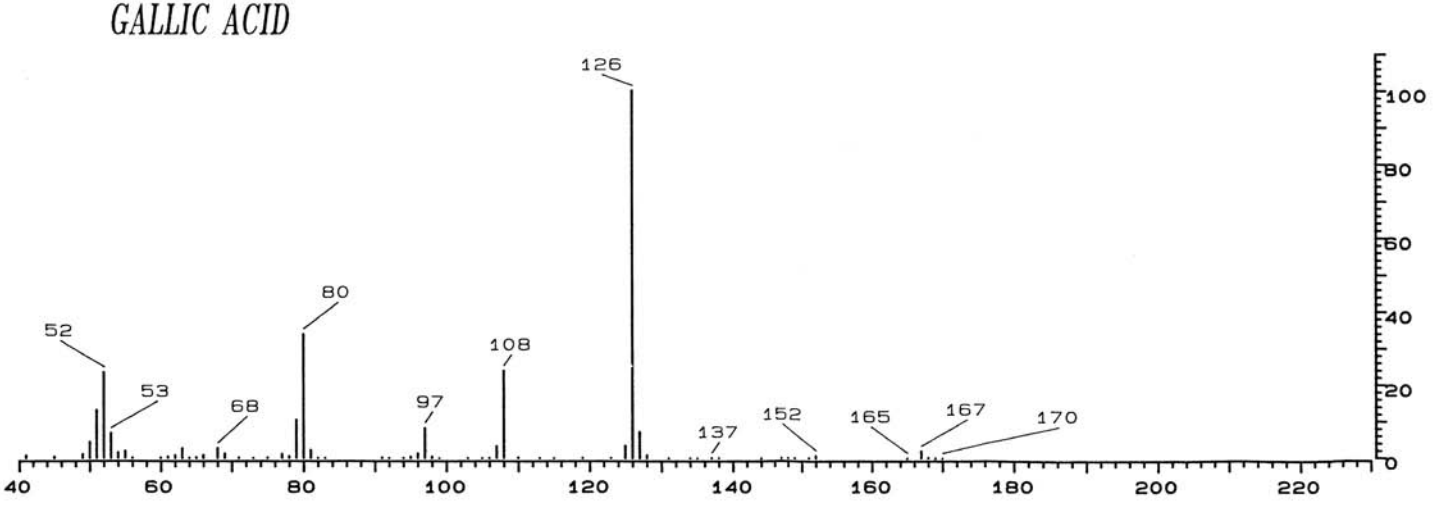
Molecular weight: 170.12 (170.02)
Synonyms: 3,4,5-Trihydroxybenzoic acid

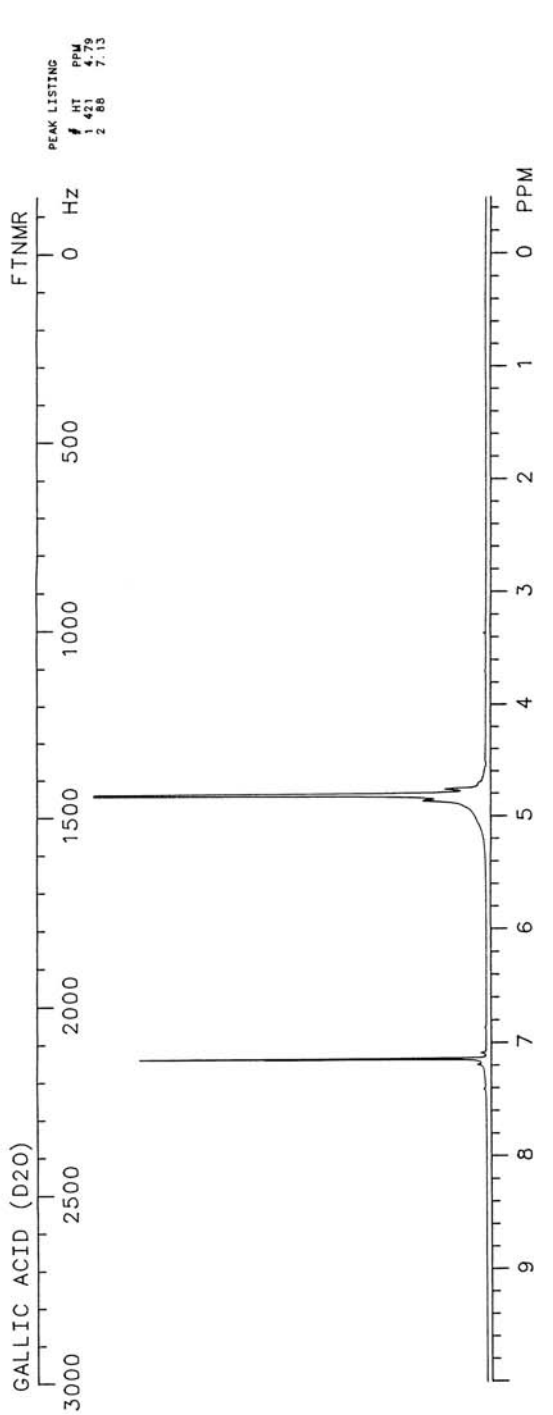
Trade names:

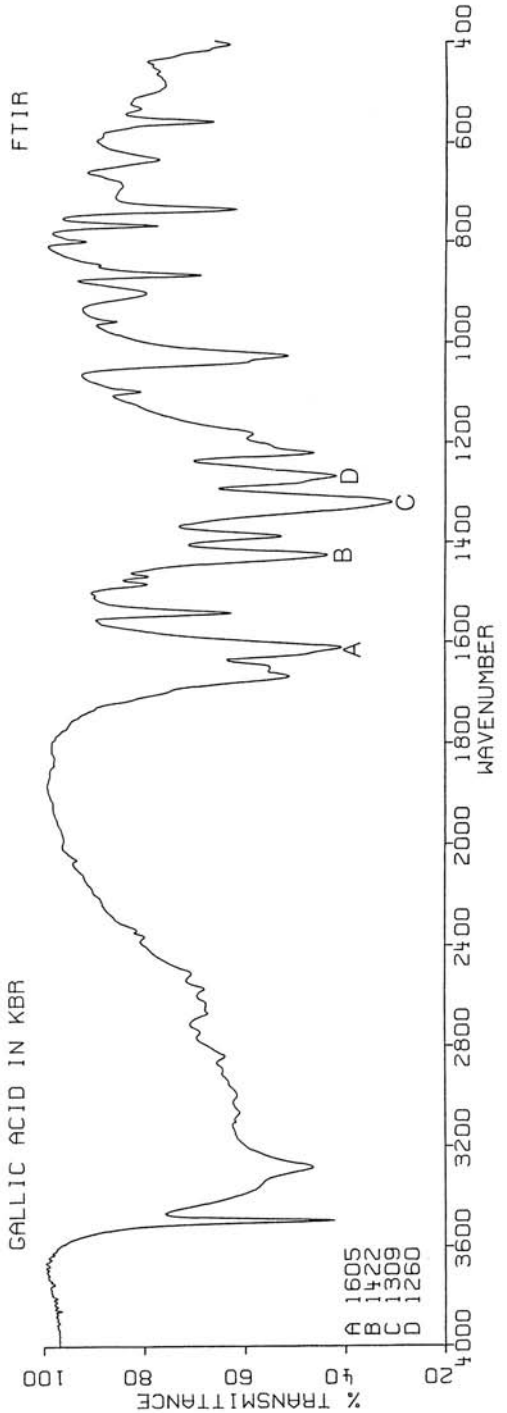
Use: Antioxidant, astringent
HPLC:
GC:








GALLIC ACID (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 421 4.79
2 88 7.13
9
8
7
6
5
4
3
2
1
0 PPM


GALLIC ACID IN KBR
FTIR
A 1605
B 1422
C 1309
D 1260
A
B
C
D
100
80
60
40
20
% TRANSMITTANCE
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

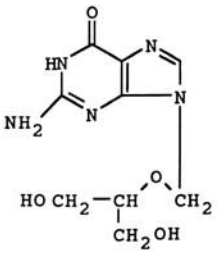
GANCICLOVIR

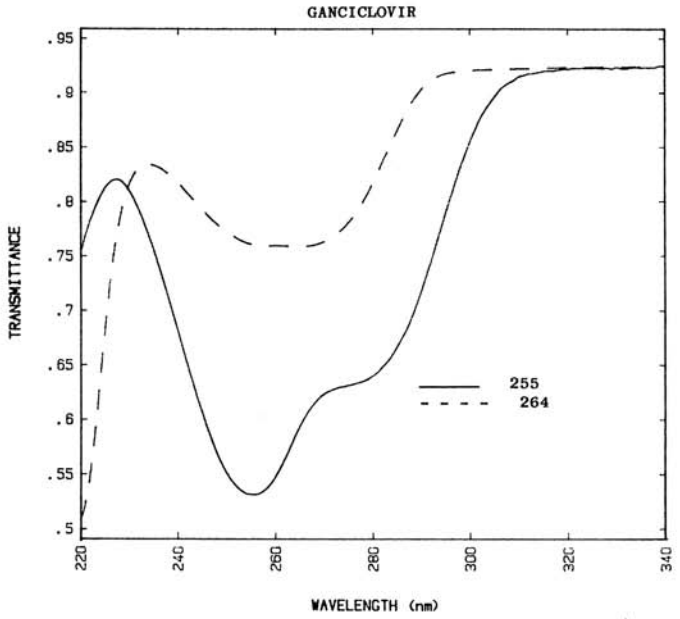
$C_9H_{13}N_5O_4$

Molecular weight: 255.23 (255.10)

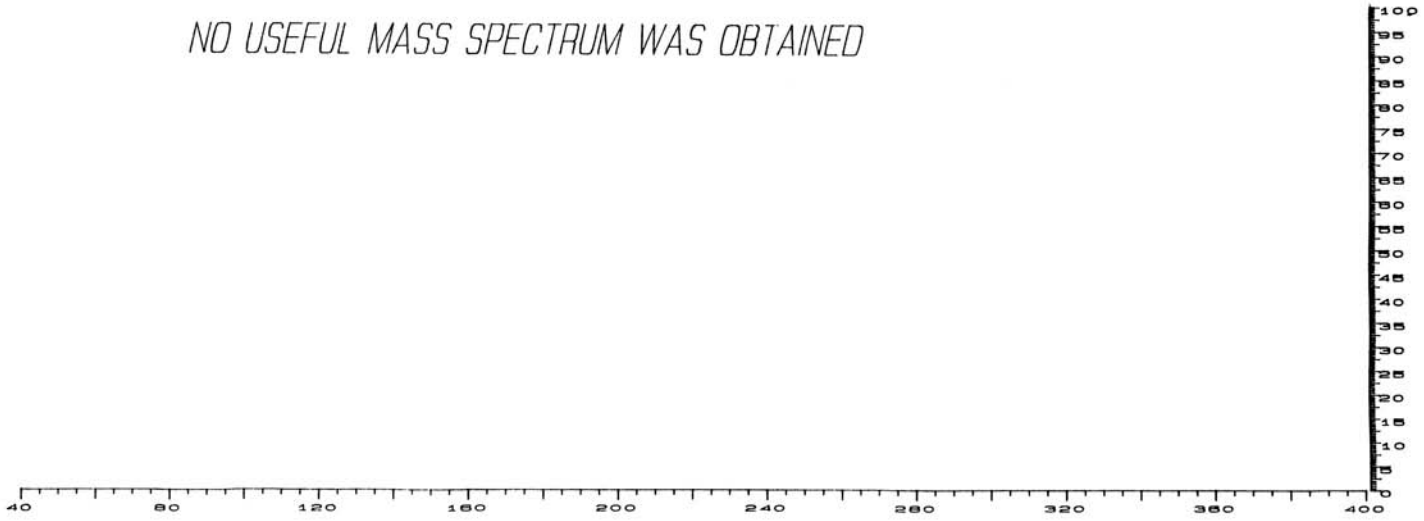
Synonyms: 2-Amino-1,9-[[2-hydroxy-1-(hydroxymethyl)ethoxy] methyl]-6H-purin-6-one
Trade names: Cymevan, Cymevene, Cytovene

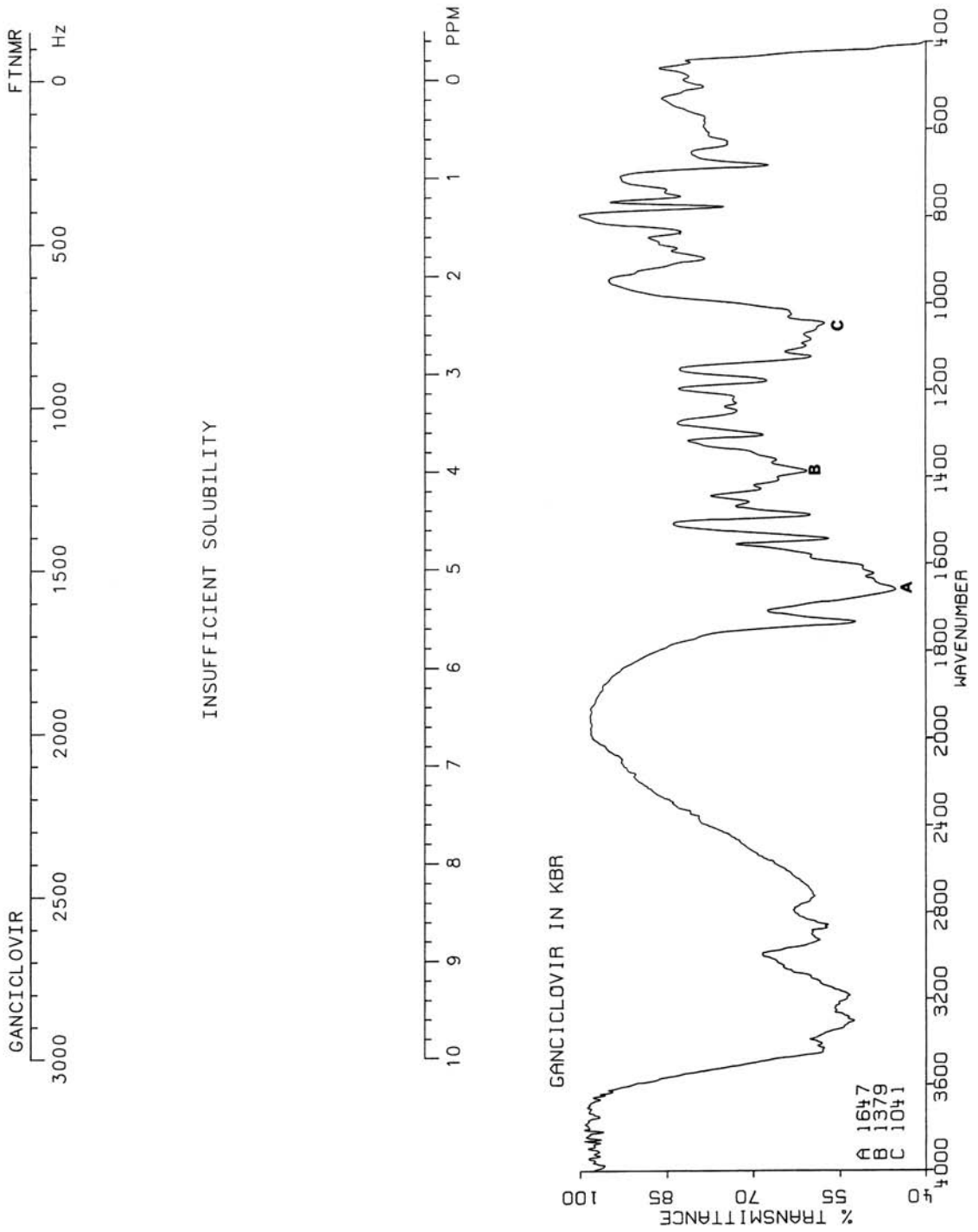
Use: Antiviral
HPLC: 90A:10B; 2.7
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
0 Hz
500
1000
1500
2000
2500
3000
GANCICLOVIR
INSUFFICIENT SOLUBILITY
0 PPM
1
2
3
4
5
6
7
8
9
10
GANCICLOVIR IN KBR
% 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 1647
B 1379
C 1041

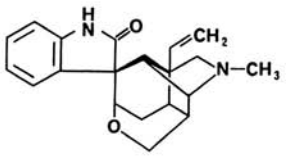
GELSEMINE

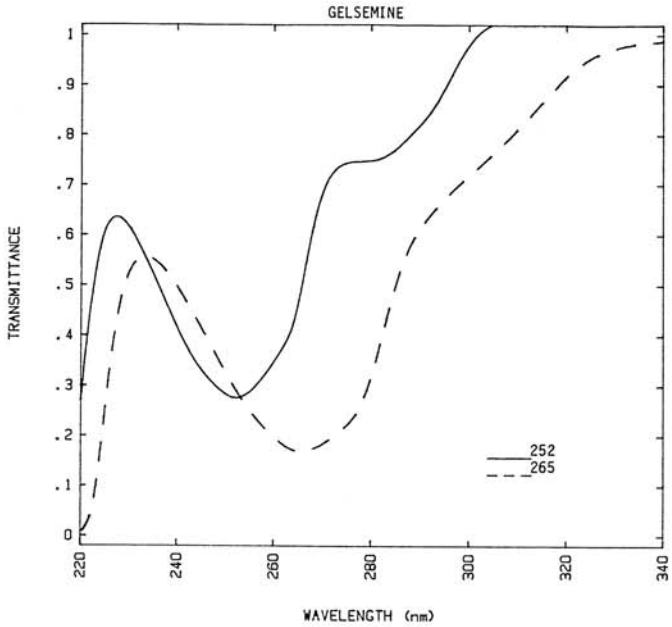
$C_{20}H_{22}N_2O_2$

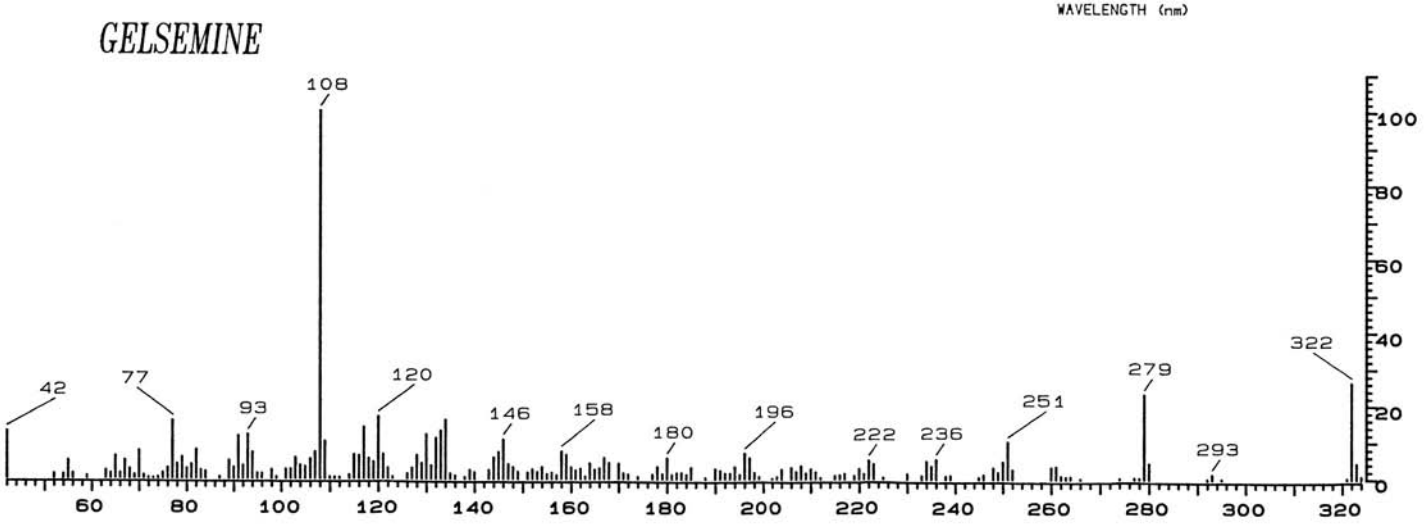
Molecular weight: 322.40 (322.17)
Synonyms:

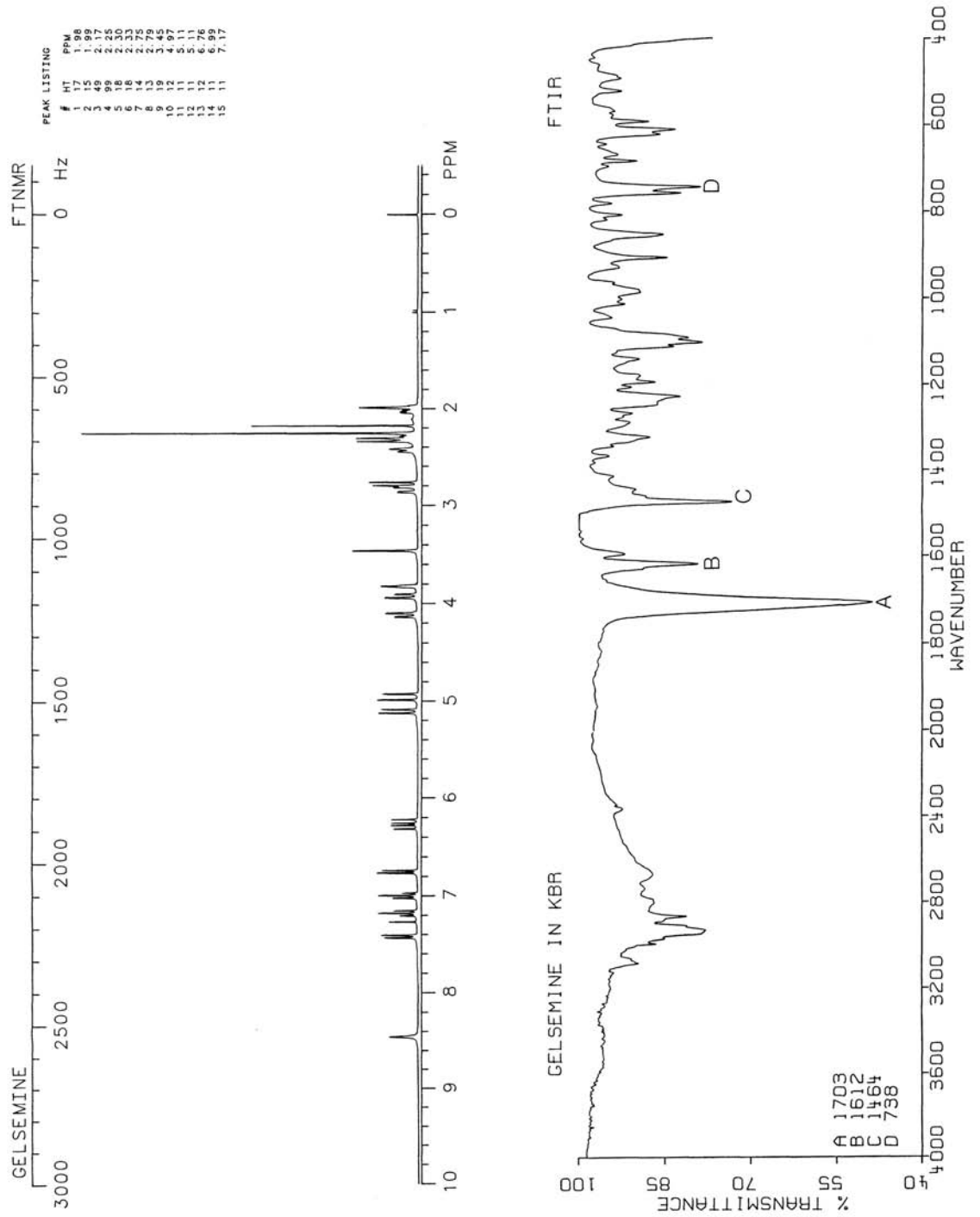
Trade names:

Use: Central stimulant, poison
HPLC: Si-10; 5A:95B; 5.0
GC: 2828; 280°C





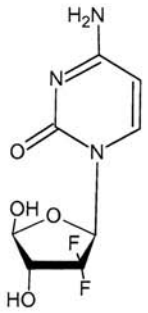


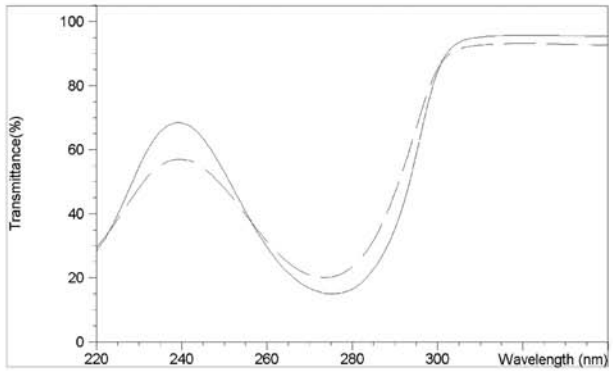

GELSEMINE
FTNMR
PEAK LISTING
HT PPM
1 17 1.98
2 15 1.99
3 49 2.17
4 99 2.25
5 18 2.30
6 18 2.33
7 14 2.75
8 13 2.79
9 19 3.45
10 12 4.97
11 11 5.11
12 11 5.11
13 12 6.76
14 11 6.99
15 11 7.17
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
GELSEMINE IN KBR
FTIR
A 1703
B 1612
C 1464
D 738
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

GEMCITABINE

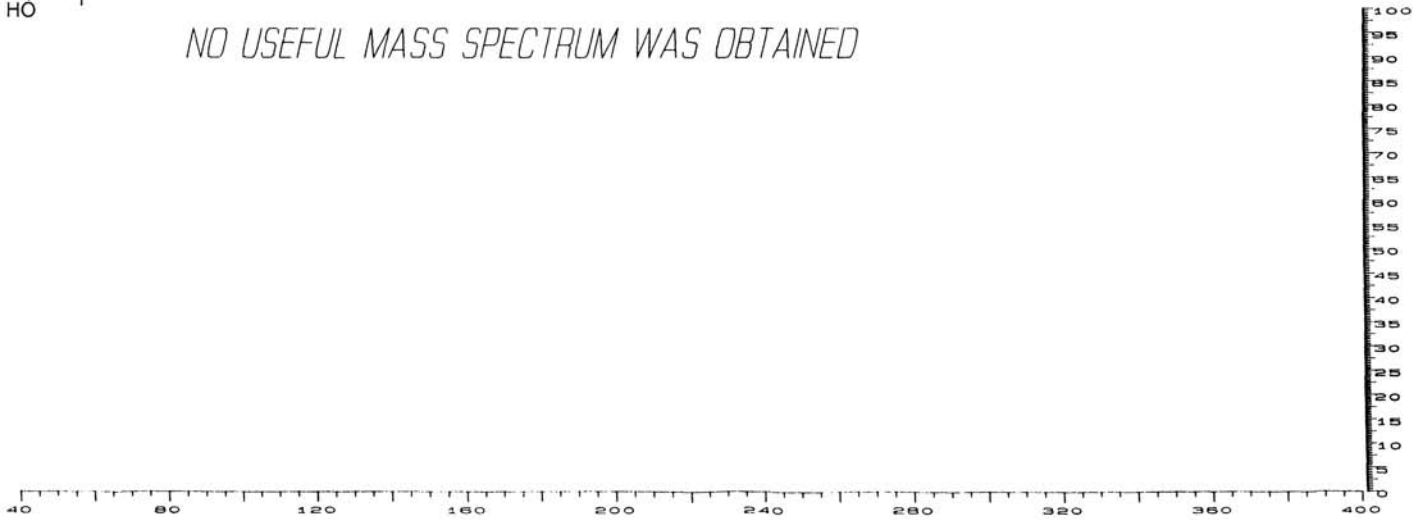
$C_9H_{11}F_2N_3O_4$

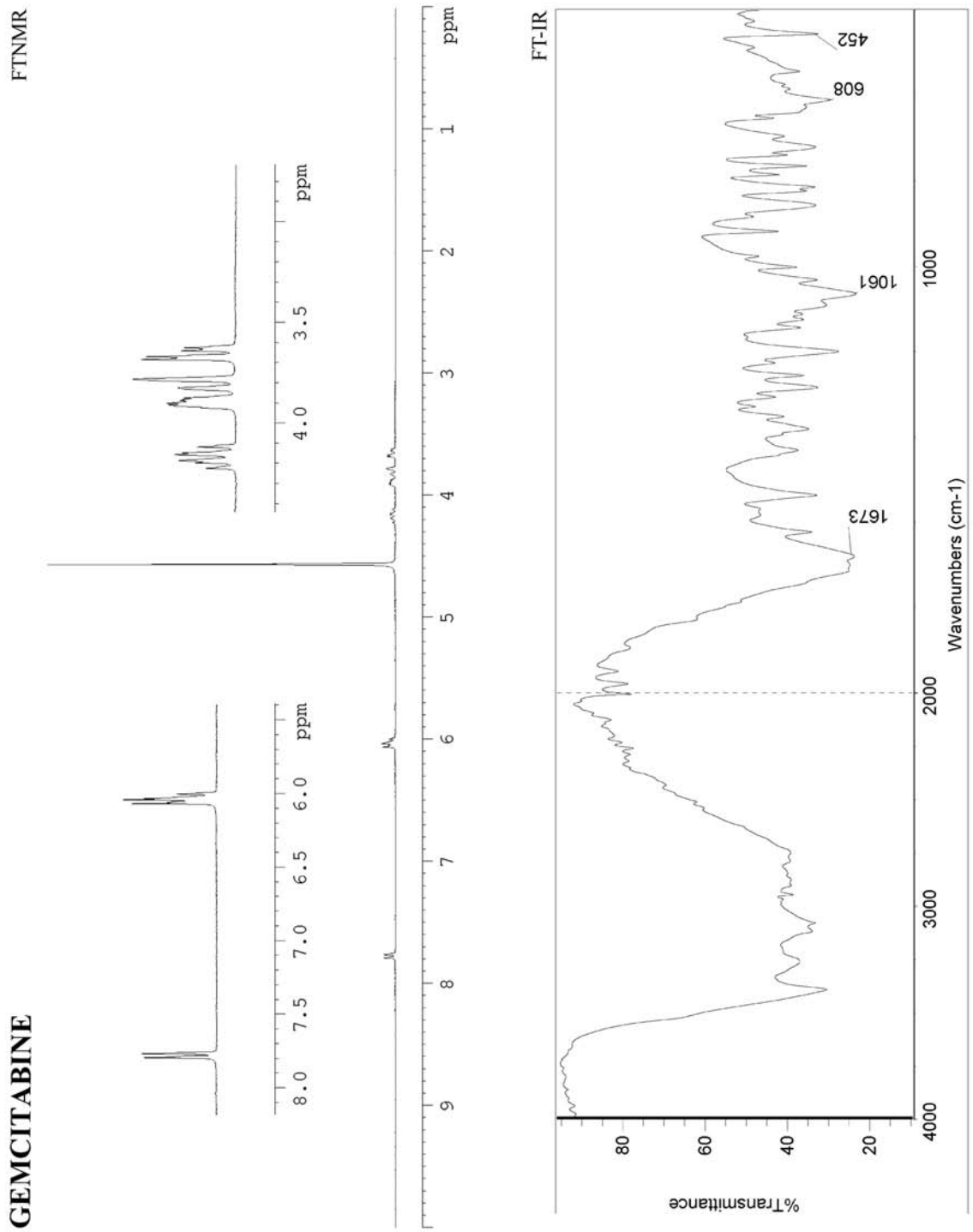
Molecular Weight: 263.3 (263.07)
Synonyms: 2'-Deoxy-2',2'-difluoro-cytidine; 2'-deoxy-2',2'-difluorocytine
Trade names: Gemzar
Use: Antineoplastic





NO USEFUL MASS SPECTRUM WAS OBTAINED




GEMCITABINE
FTNMR
8.0
7.5
7.0
6.5
6.0
ppm
4.0
3.5
ppm
9
8
7
6
5
4
3
2
1
ppm
FT-IR
%Transmittance
80
60
40
20
4000
3000
2000
1000
Wavenumbers (cm-1)
1673
1061
608
452

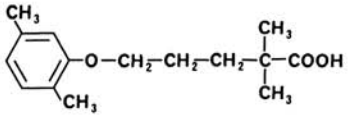
GEMFIBROZIL

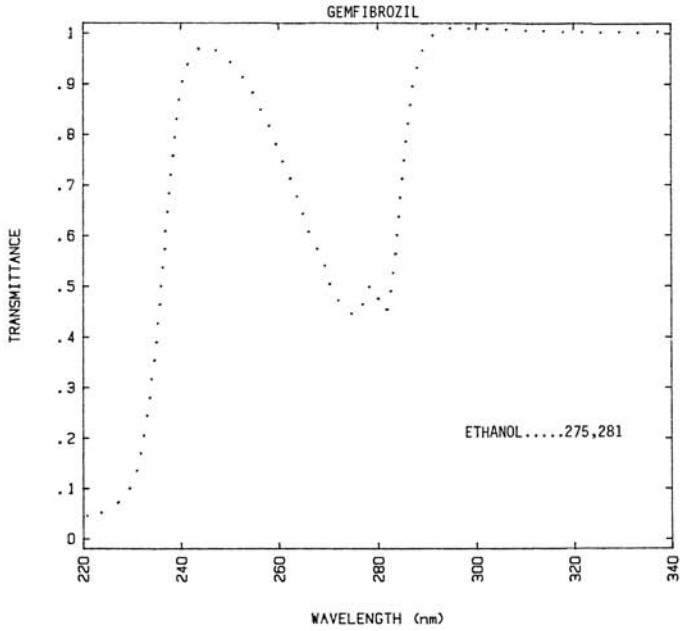
$C_{15}H_{22}O_3$

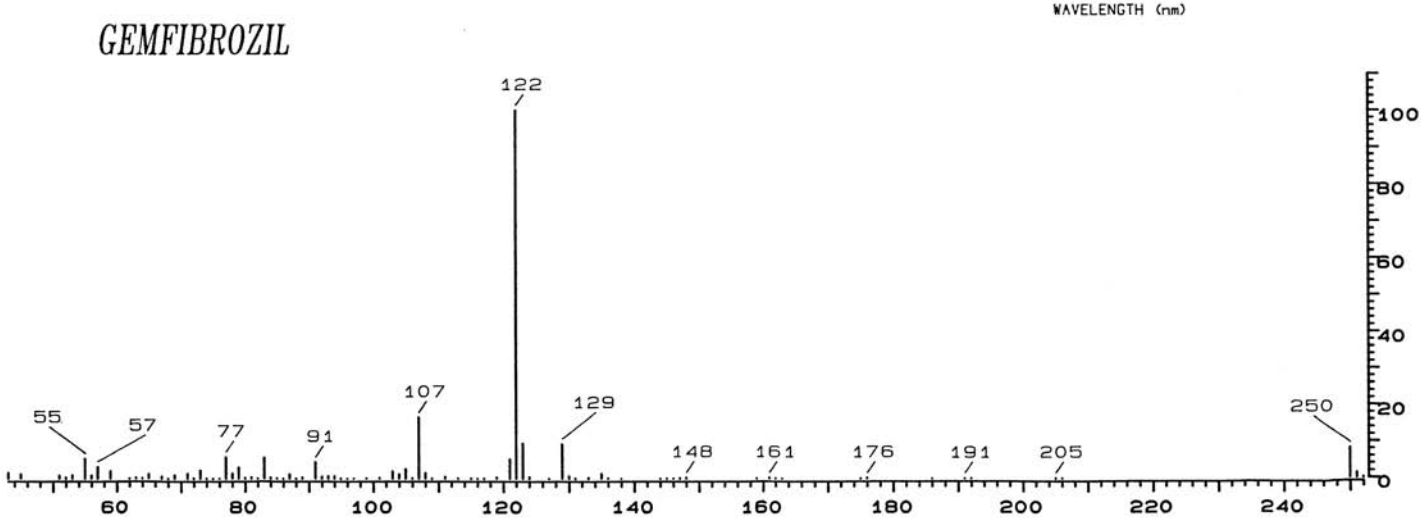
Molecular weight: 250.35 (250.16)
Synonyms: 5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid

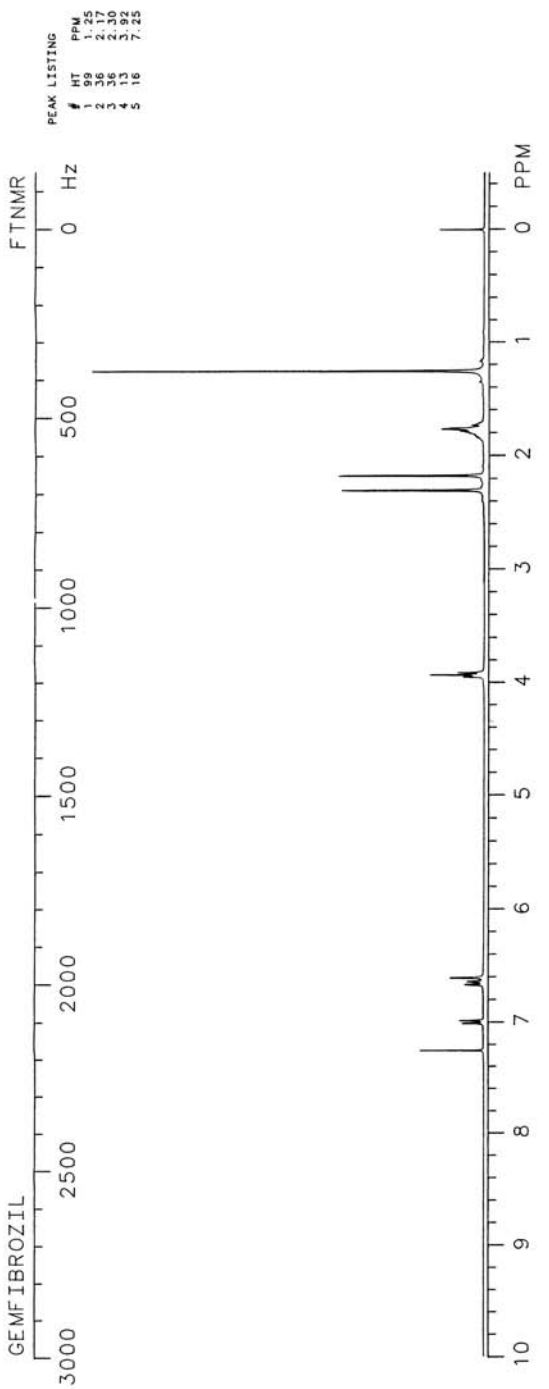
Trade names: Lopid

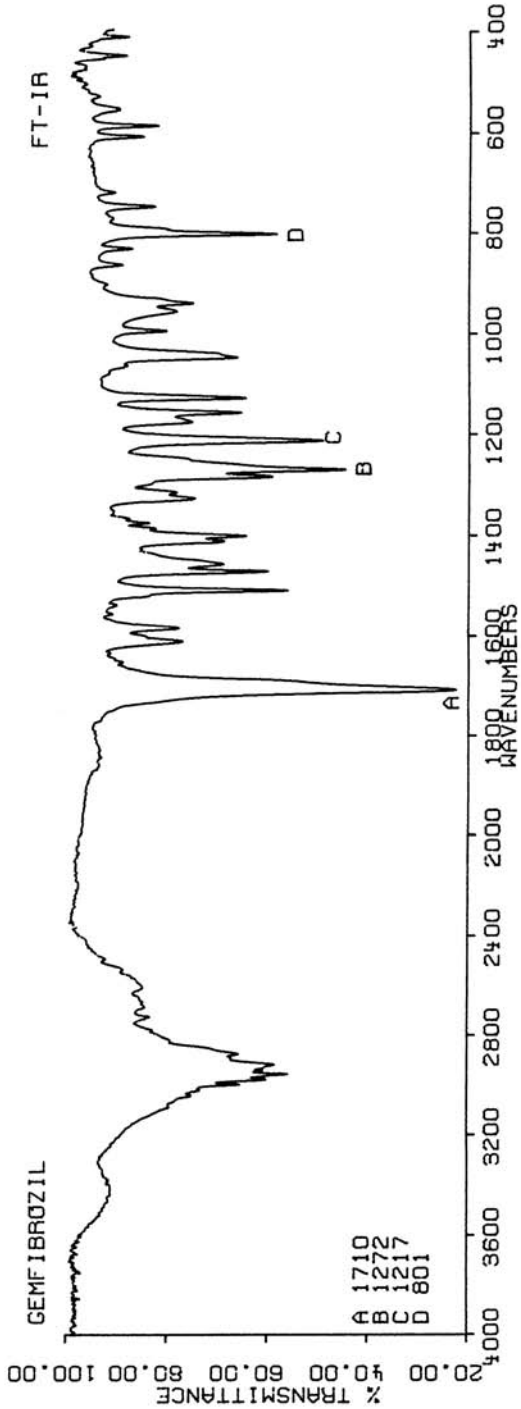
Use: Lipid regulating agent
HPLC: Si-10; 5A:95B; 12.0
GC: 1939; 200°C








GEMFIBROZIL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 99 1.25
2 36 2.17
3 36 2.30
4 13 3.72
5 16 7.25
10
9
8
7
6
5
4
3
2
1
0 PPM

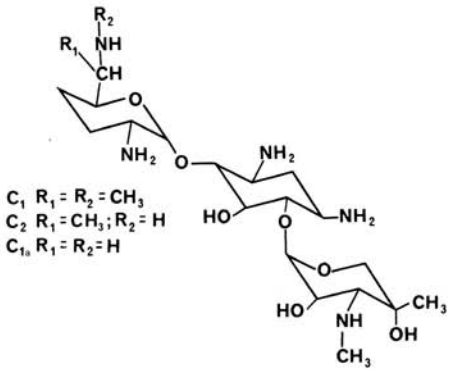

GEMFIBROZIL
FT-IR
A 1710
B 1272
C 1217
D 801
A
B
C
D
% TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

GENTAMICIN

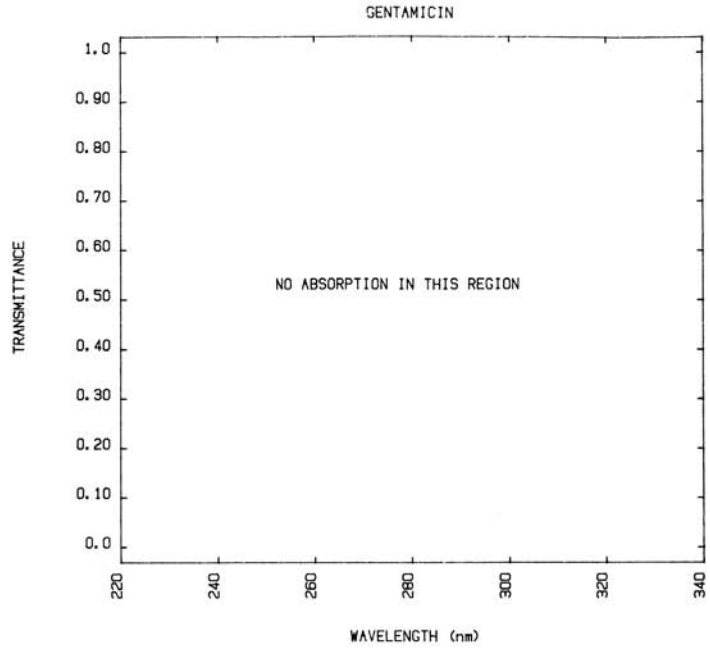
Molecular weight:
Synonyms: Gentamycin

Trade names: Garamycin, Gentamicin

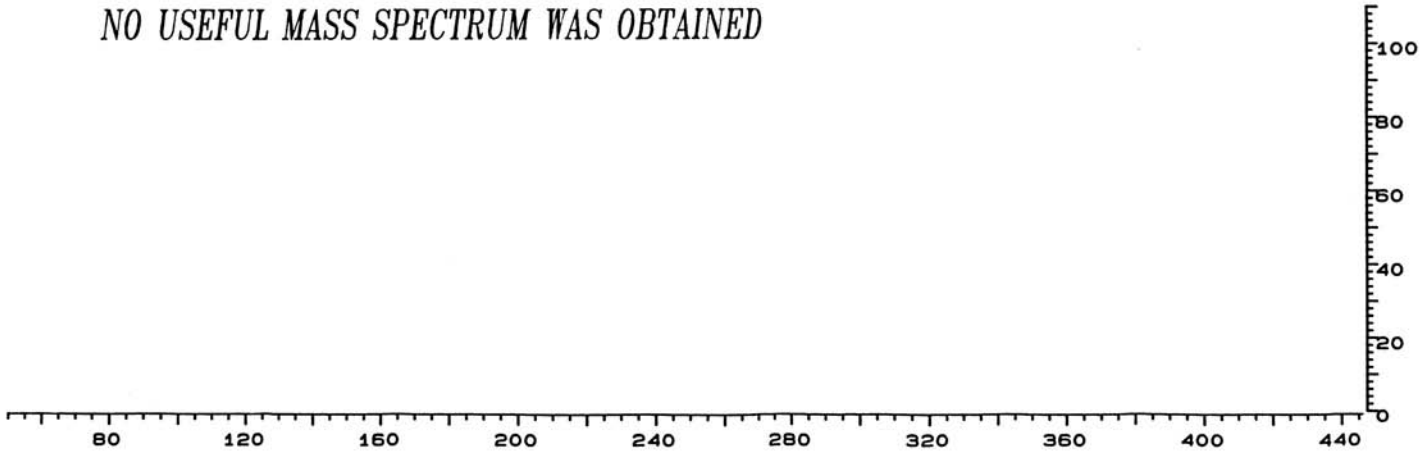
Use: Antibacterial
HPLC:
GC:

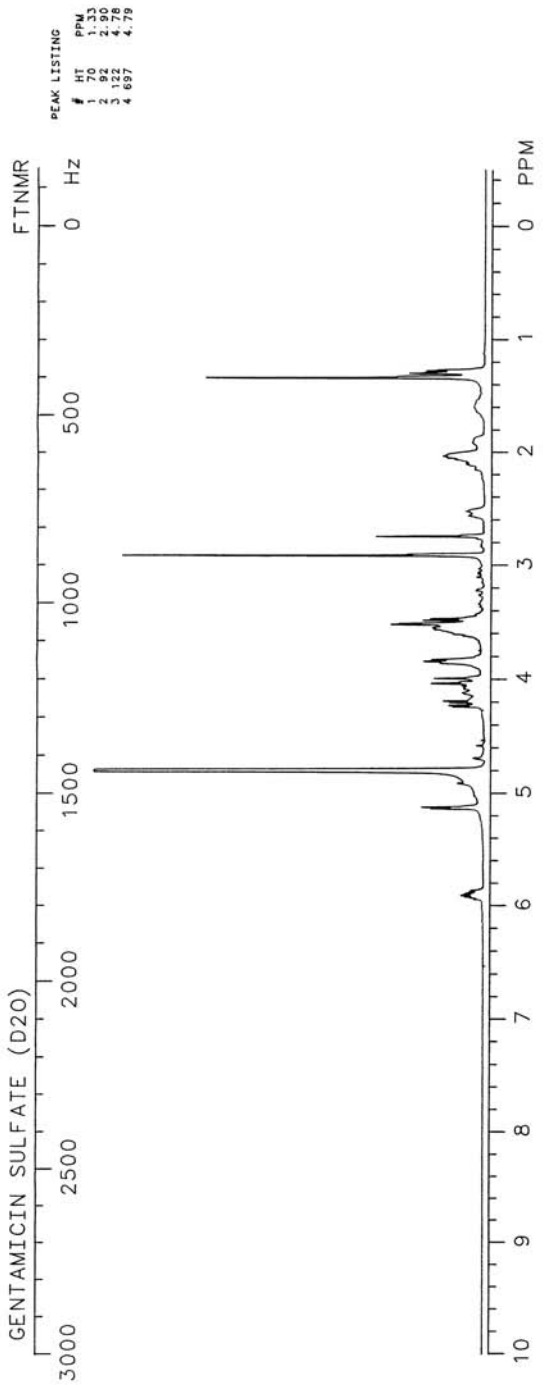


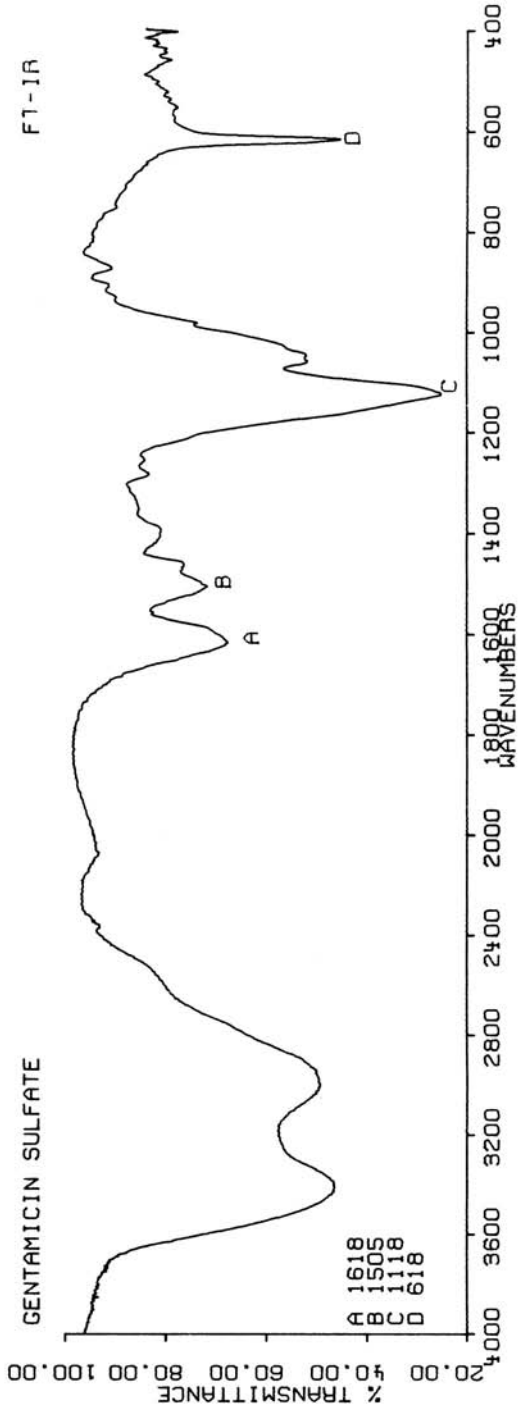
C_1 $R_1 = R_2 = CH_3$
C_2 $R_1 = CH_3$; $R_2 = H$
C_{1a} $R_1 = R_2 = H$



NO USEFUL MASS SPECTRUM WAS OBTAINED




GENTAMICIN SULFATE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 70 1.33
2 92 2.90
3 122 4.78
4 697 4.79
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


GENTAMICIN SULFATE
FT-IR
A 1618
B 1505
C 1118
D 618
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

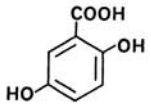
GENTISIC ACID

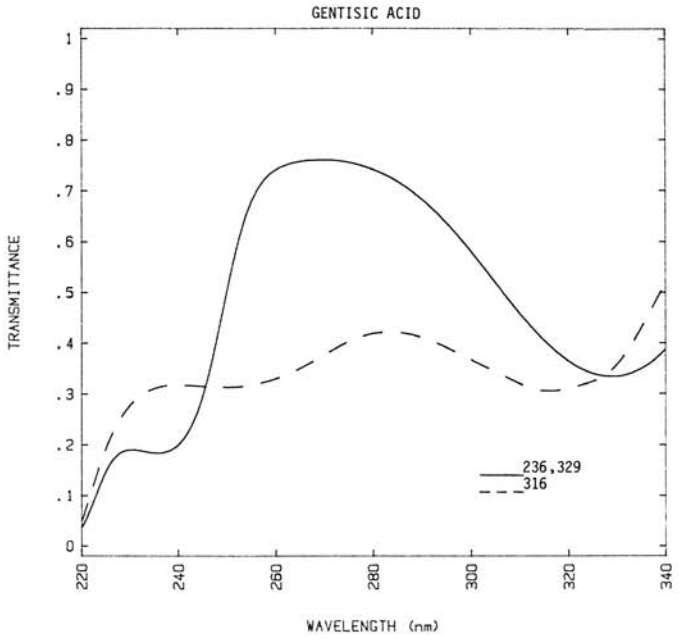
$C_7H_6O_4$

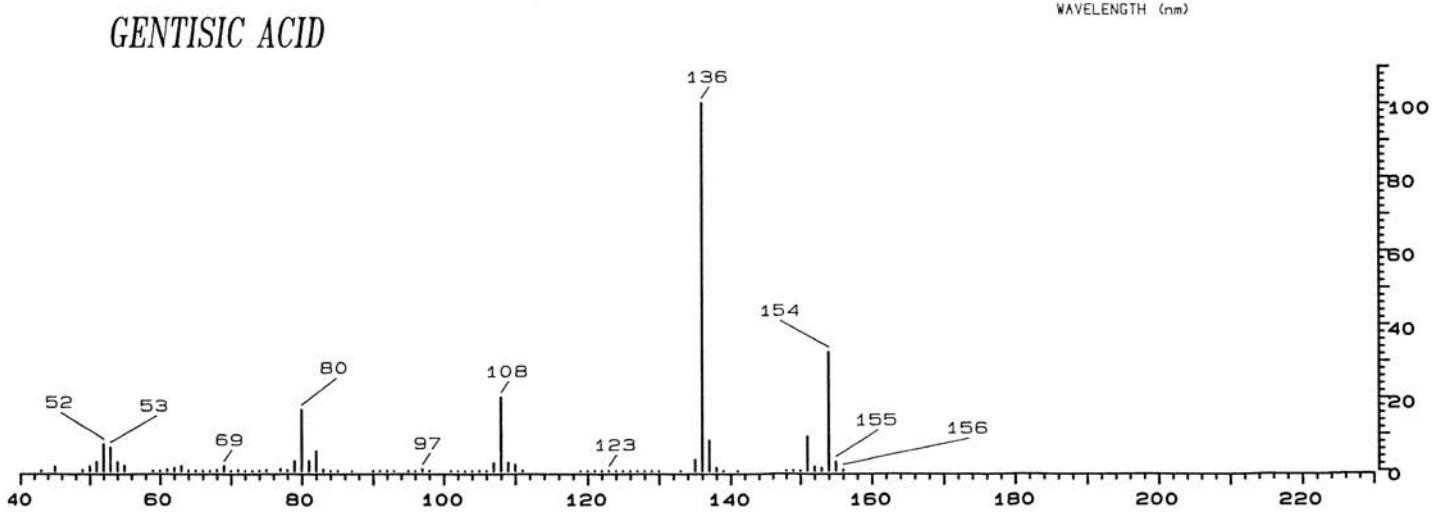
Molecular weight: 154.12 (154.03)
Synonyms: 2,5-Dihydroxybenzoic acid; 5-hydroxysalicylic acid

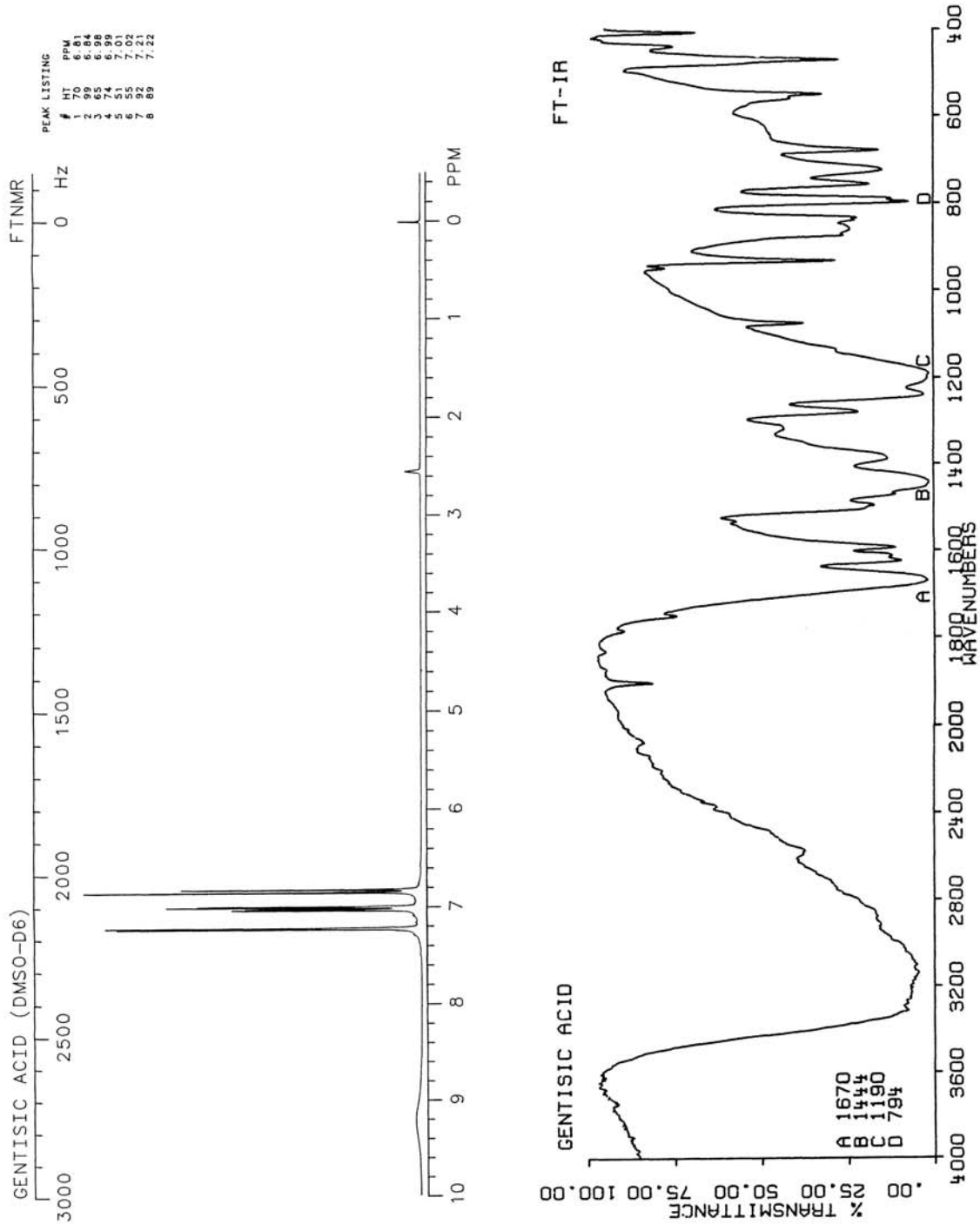
Trade names: Gentinatre, Gentisod, Legential, Gentisine

Use: Analgesic, antirheumatic
HPLC:
GC:








GENTISIC ACID (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 70 6.81
2 99 6.84
3 65 6.98
4 74 6.99
5 51 7.01
6 55 7.02
7 92 7.21
8 89 7.22
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
GENTISIC ACID
FT-IR
A 1670
B 1444
C 1190
D 794
% 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

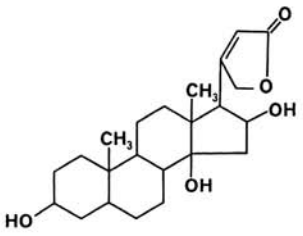
GITOXIGENIN

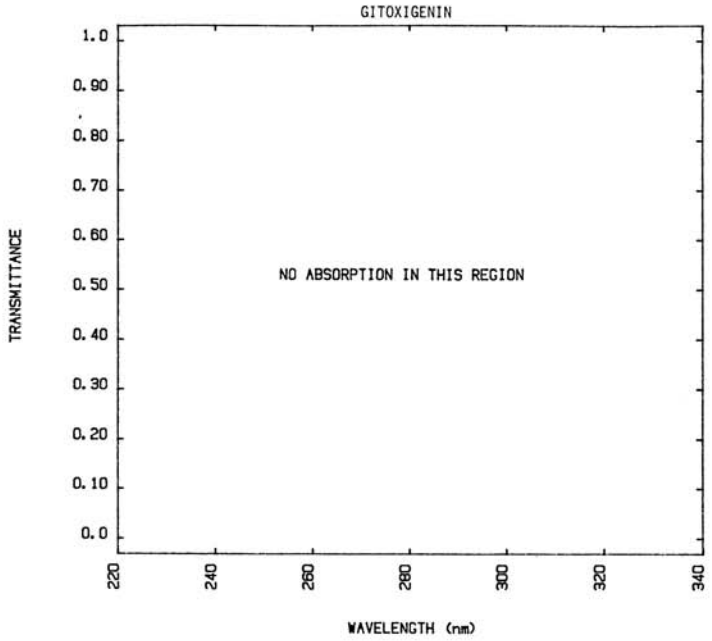
$C_{23}H_{34}O_5$

Molecular weight: 390.50 (390.24)
Synonyms: 3β,14,16β-Trihydroxy-5β-card-20(22)-enolide

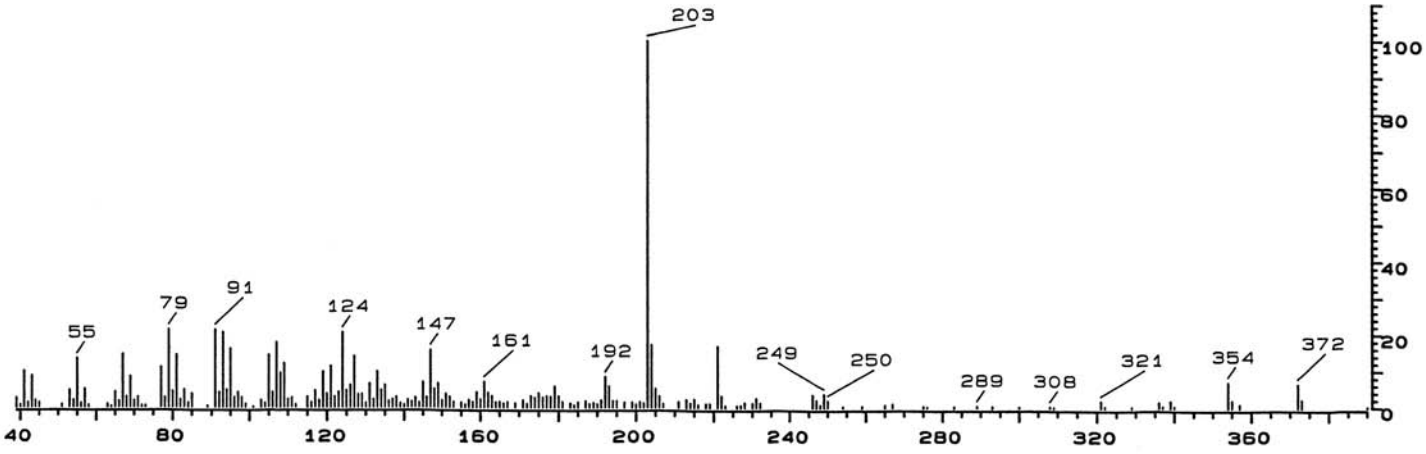
Trade names:

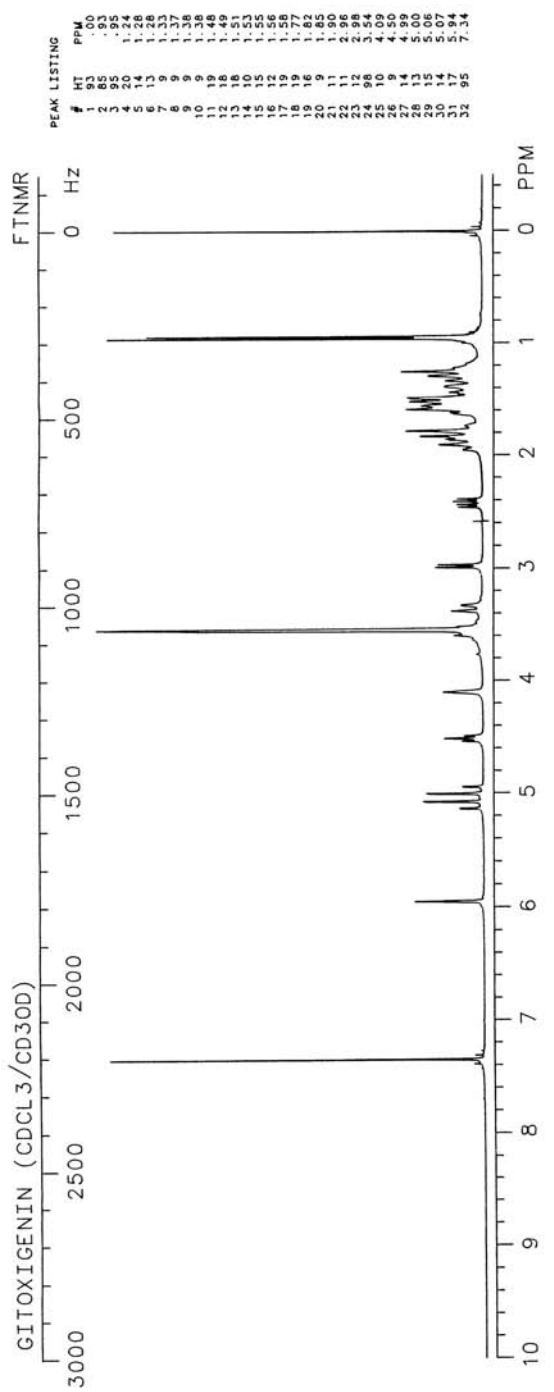
Use: Cardiotonic
HPLC:
GC:

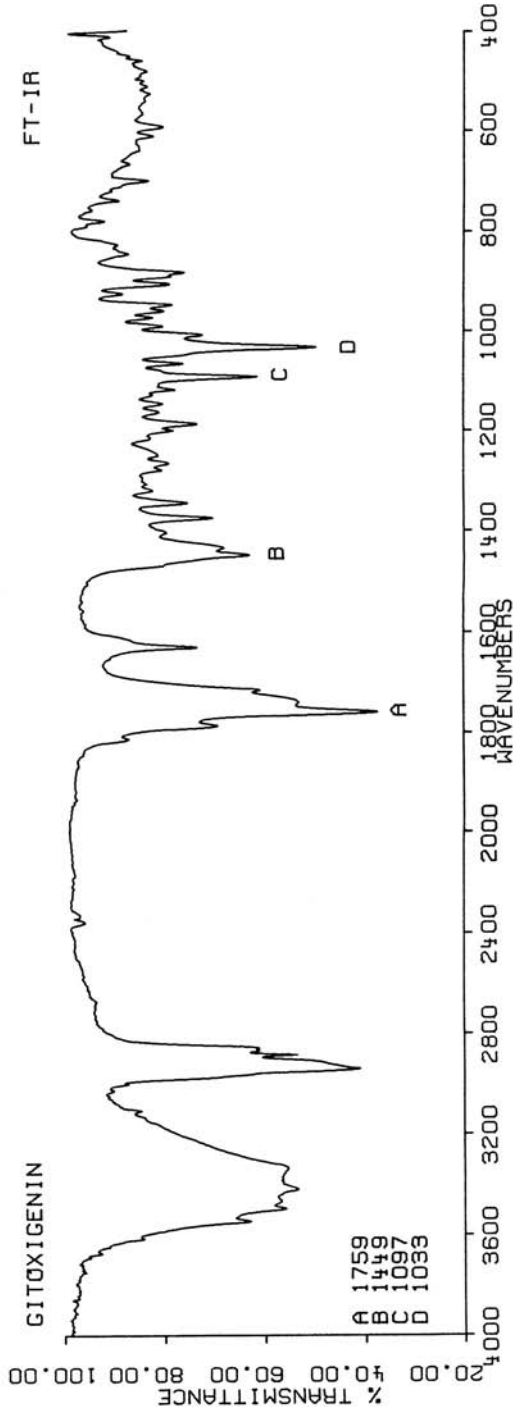




GITOXIGENIN--DIP




GITOXIGENIN (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 93 .00
2 85 .93
3 95 .95
4 20 1.24
5 14 1.28
6 13 1.28
7 9 1.33
8 9 1.37
9 9 1.38
10 9 1.48
11 19 1.49
12 18 1.51
13 18 1.53
14 10 1.55
15 15 1.56
16 12 1.58
17 19 1.77
18 19 1.82
19 16 1.85
20 9 1.90
21 11 2.96
22 11 2.98
23 12 3.54
24 98 4.09
25 10 4.50
26 9 4.59
27 14 4.90
28 13 5.06
29 15 5.07
30 14 5.07
31 17 5.84
32 95 7.34

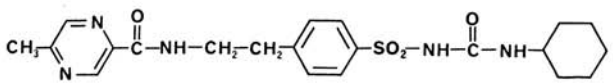

GITOXIGENIN
FT-IR
% TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1759
B 1449
C 1097
D 1033
A
B
C
D

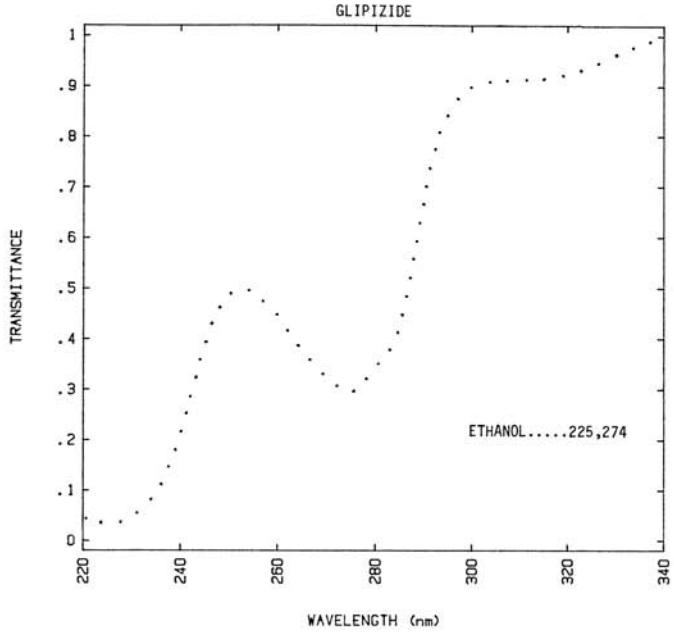
GLIPIZIDE

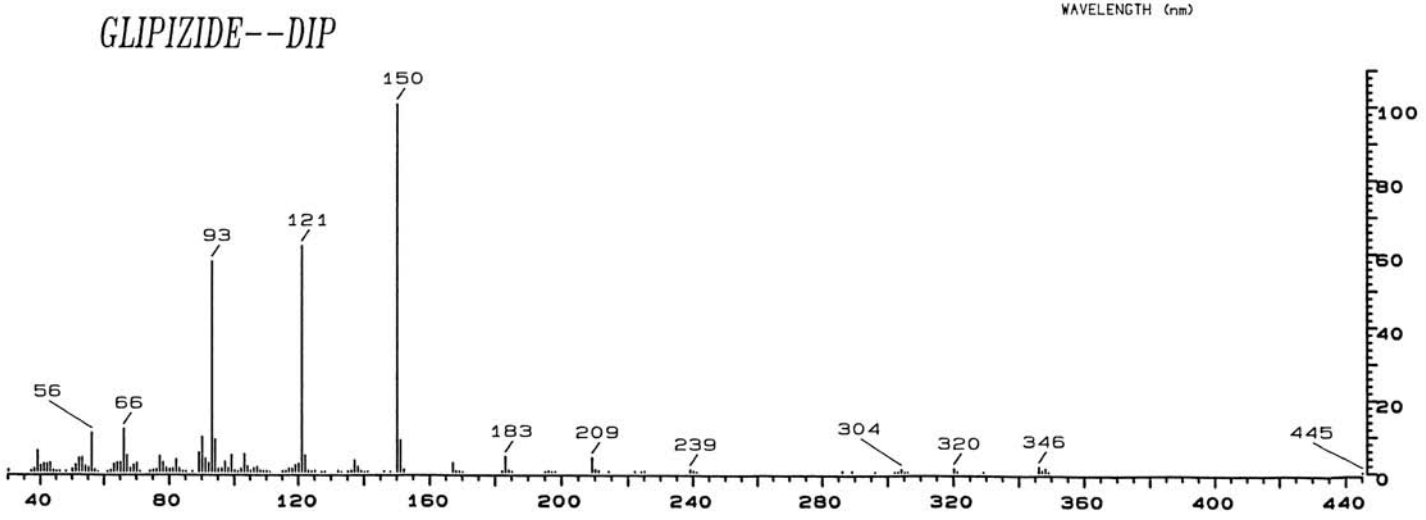
$C_{21}H_{27}N_5O_4S$

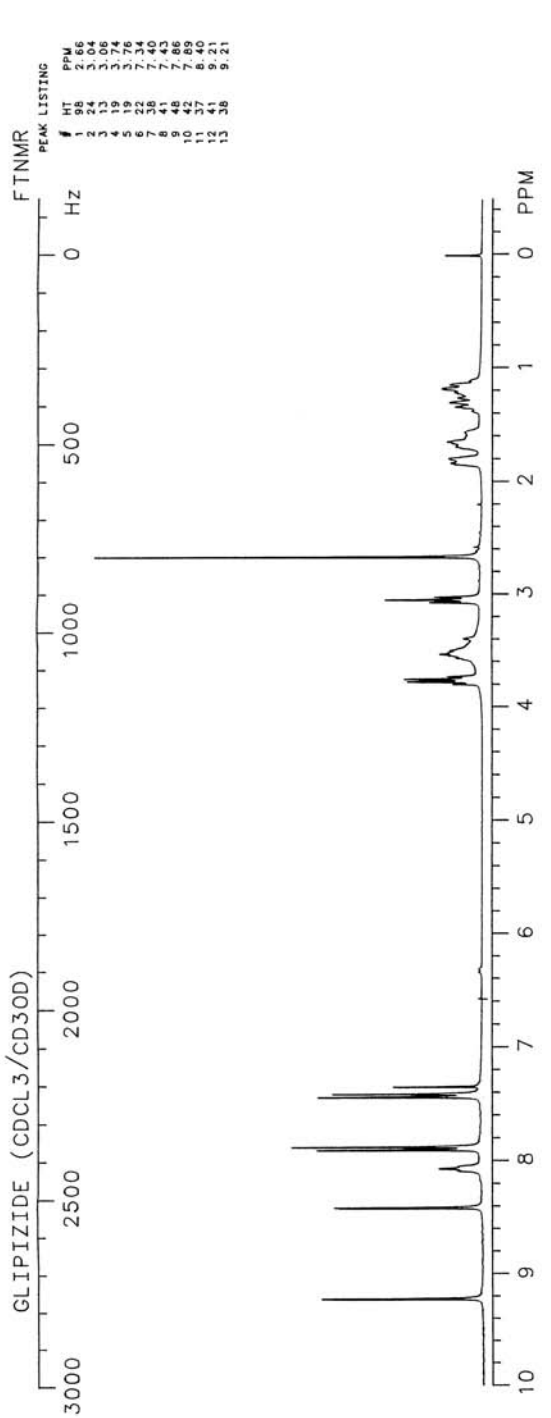
Molecular weight: 445.55 (445.18)
Synonyms: N-[2-[4-[[[(Cyclohexylamino)carbonyl]amino]sulfonyl]phenyl]-ethyl]-5-methylpyrazinecarboxamide; glydiazinamide
Trade names: Glibenese, Glucotrol, Minidiab, Minodiab

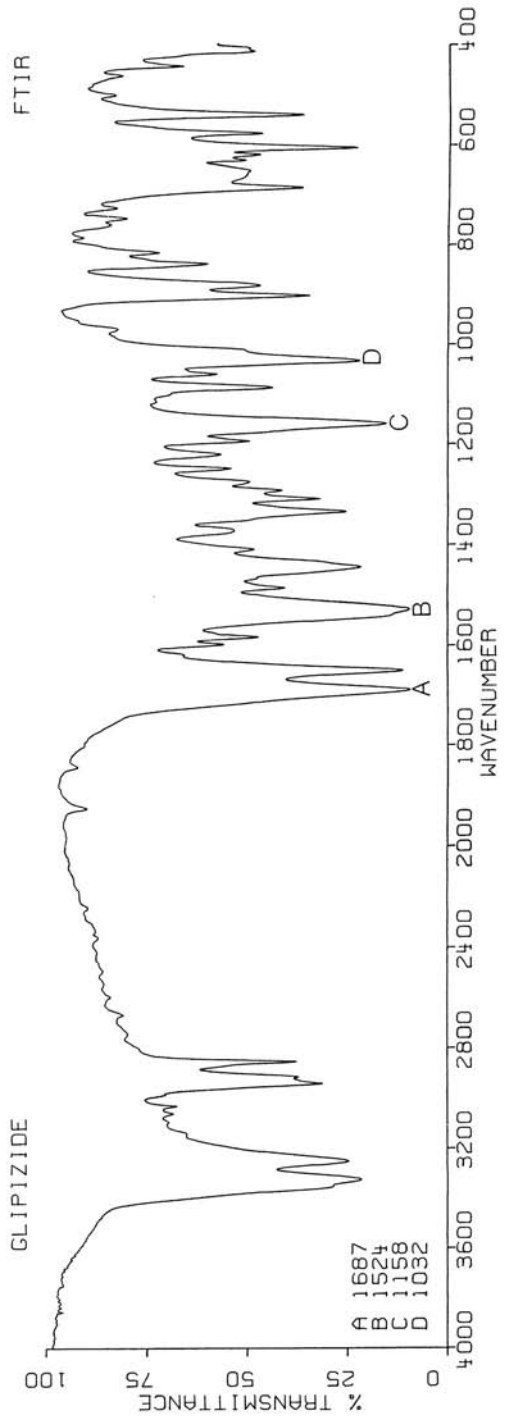
Use: Antidiabetic
HPLC: Si-10; 5A:95B; 9.5
GC:








FTNMR
GLIPIZIDE (CDCL3/CD3OD)
PEAK LISTING
HT PPM
1 98 2.66
2 24 3.04
3 24 3.06
4 19 3.74
5 19 3.76
6 22 7.34
7 38 7.40
8 41 7.43
9 48 7.86
10 42 7.89
11 37 8.40
12 41 9.21
13 38 9.21
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
GLIPIZIDE
A 1687
B 1524
C 1158
D 1032
% 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

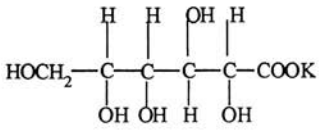
GLUCONIC ACID POTASSIUM

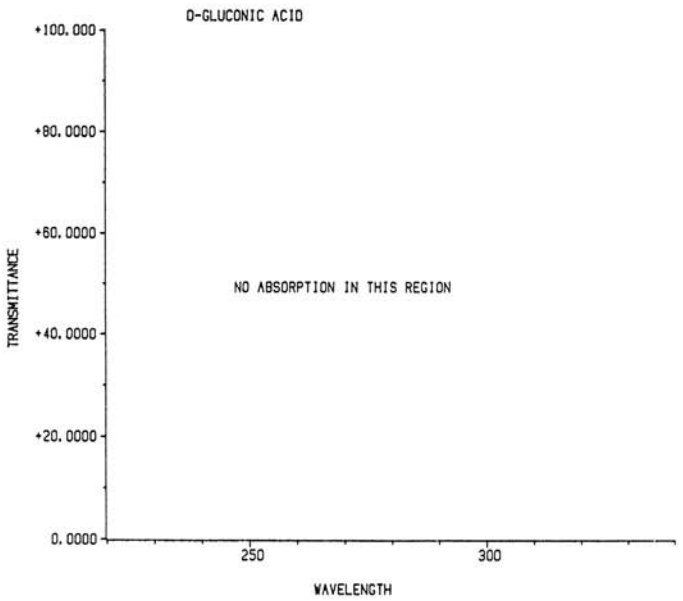
$C_6H_{12}O_7$

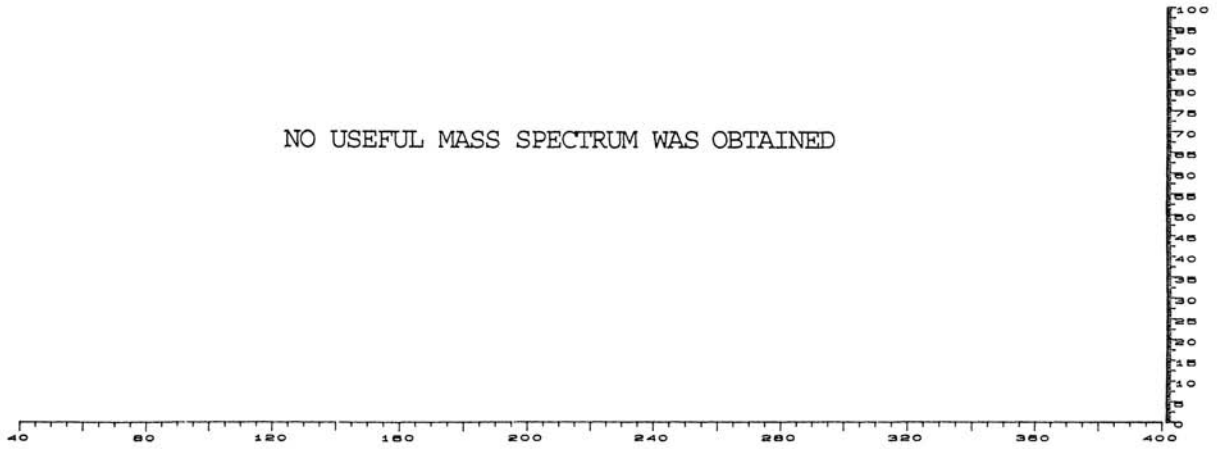
Molecular Weight: 196.16 (196.06)

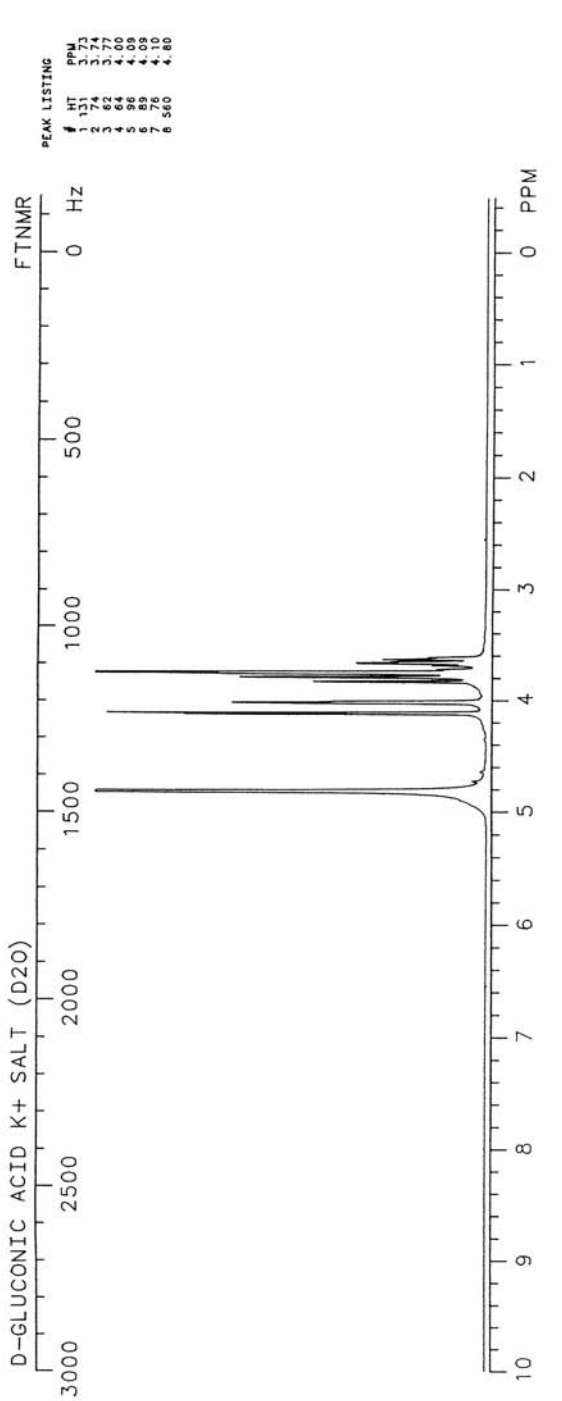
Synonyms: D-Gluconic acid potassium salt; dextronic acid potassium; maltonic acid potassium; glyconic acid potassium; glycogenic acid potassium; pentahydroxycaproic acid potassium
Trade Names: Almora, Glucomag , Rubozinc, Ultra-Mg
Use: Antispasmodic

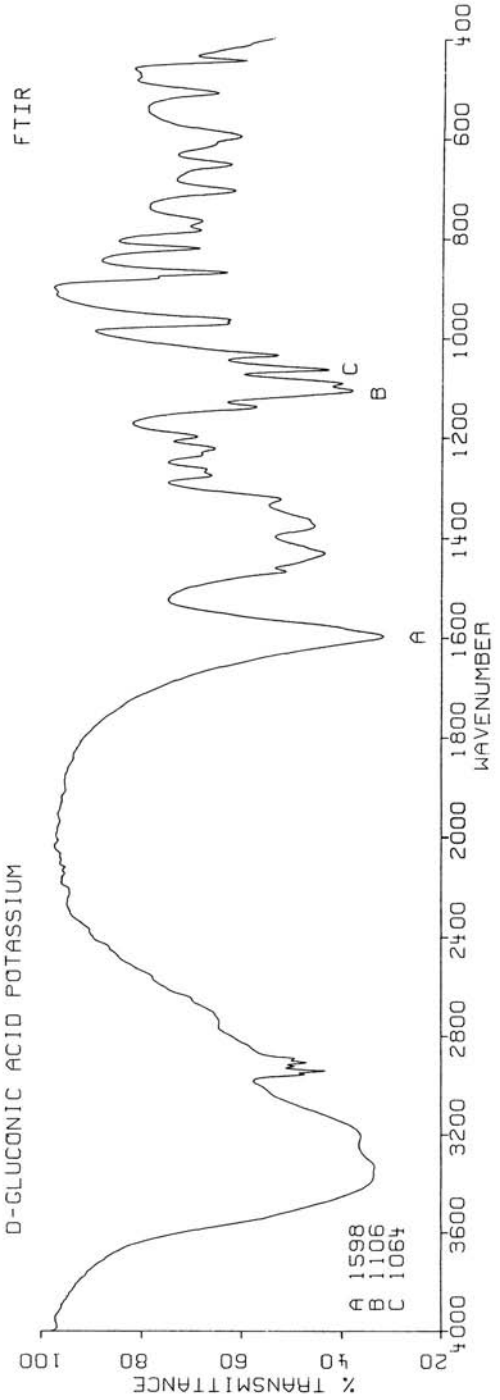
HPLC:
GC:








D-GLUCONIC ACID K+ SALT (D2O)
FTNMR
PEAK LISTING
HT PPM
1 131 3.73
2 74 3.74
3 62 3.77
4 64 4.00
5 96 4.08
6 89 4.09
7 76 4.10
8 560 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

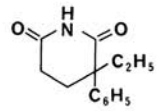

D-GLUCONIC ACID POTASSIUM
FTIR
A 1598
B 1106
C 1064
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

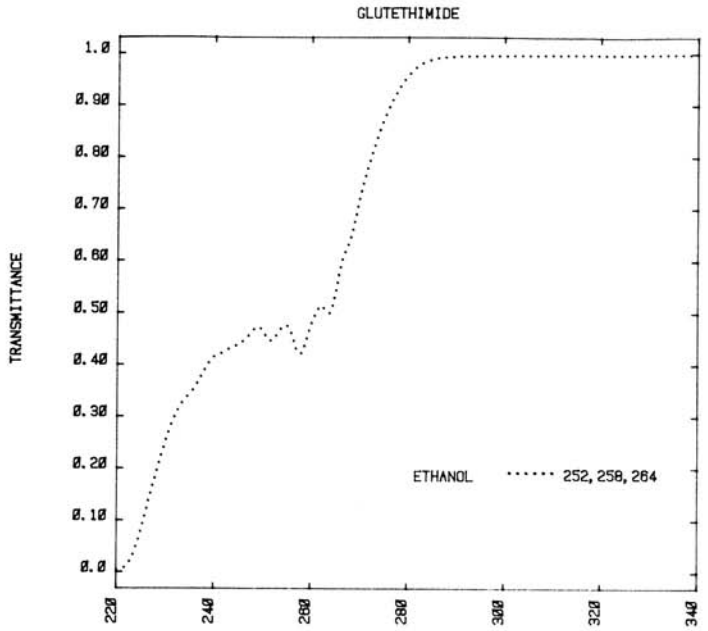
GLUTETHIMIDE

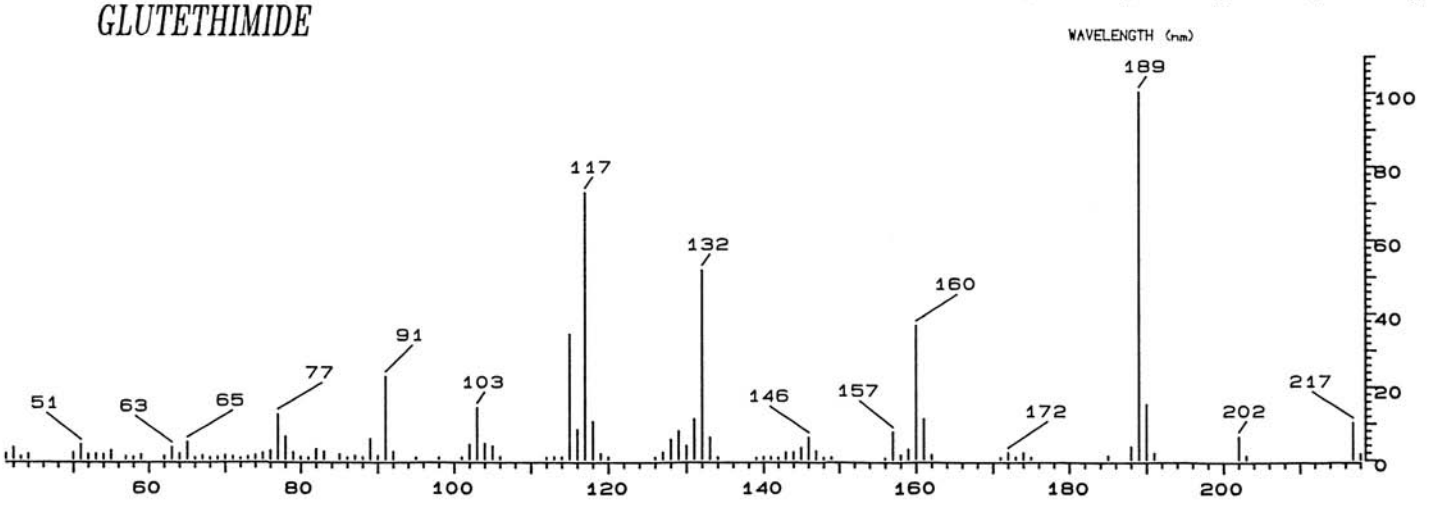
$C_{13}H_{15}NO_2$

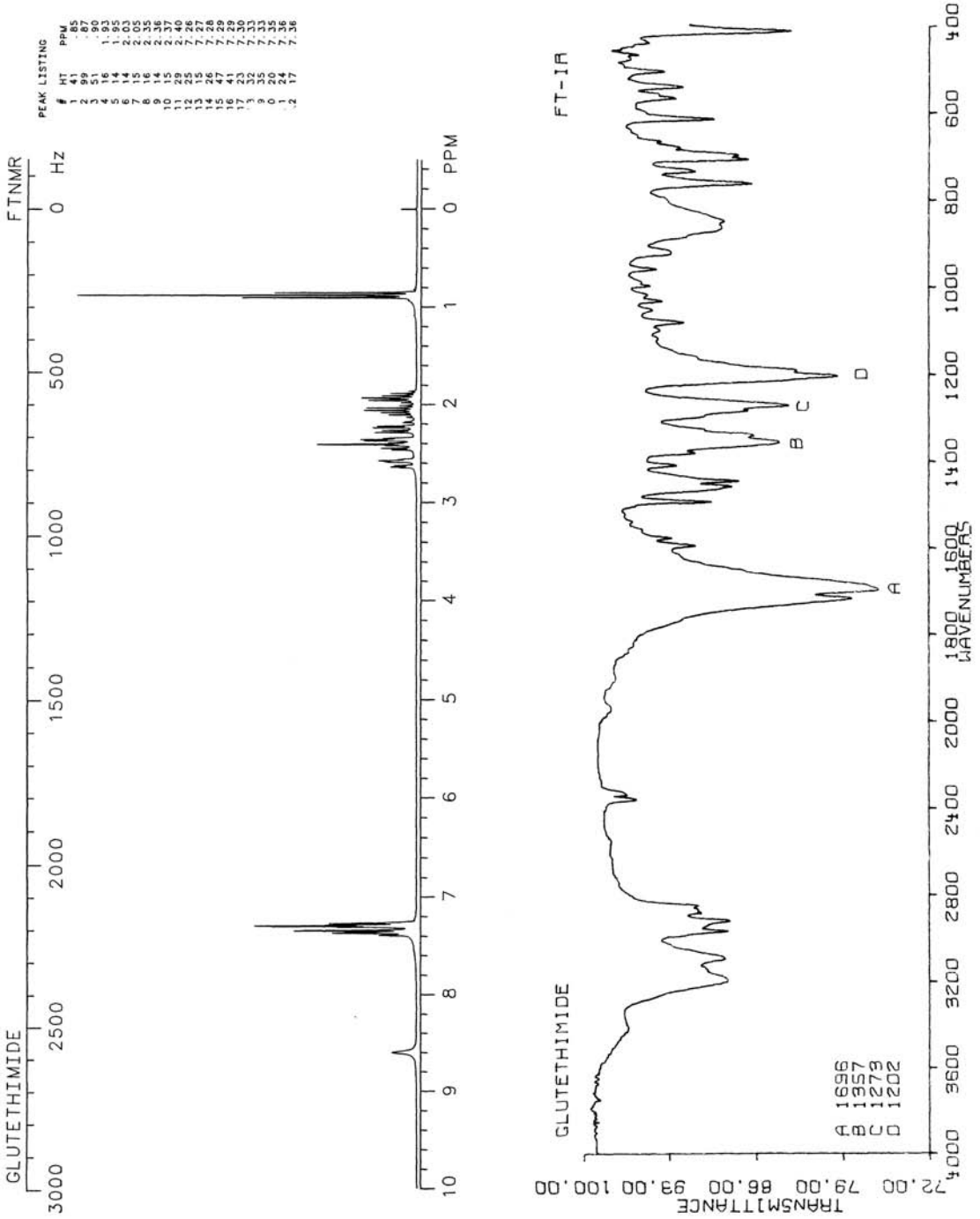
Molecular weight: 217.27 (217.11)
Synonyms: 3-Ethyl-3-phenyl-2,6-piperidinedione; α -ethyl-α-phenylglutarimide
Trade names: Doriden

Use: Hypnotic
HPLC: Si-10; 1A:99B; 3.7
GC: 1863; 200°C








GLUTETHIMIDE
FTNMR
0 Hz
500
1000
1500
2000
2500
3000
0 PPM
1
2
3
4
5
6
7
8
9
10
PEAK LISTING
HT PPM
1 41 .85
2 99 1.87
3 51 1.90
4 16 1.93
5 14 1.95
6 14 2.03
7 15 2.05
8 16 2.35
9 14 2.36
10 15 2.37
11 29 2.40
12 25 7.26
13 15 7.27
14 26 7.28
15 47 7.29
16 41 7.29
17 23 7.30
32 7.33
35 7.35
20 7.36
24 7.36
17
GLUTETHIMIDE
FT-IR
TRANSMITTANCE
72.00 79.00 86.00 93.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1696
B 1357
C 1273
D 1202
A
B
C
D

GLYBURIDE

$C_{23}H_{28}ClN_3O_5S$

Molecular weight: 494.00 (493.14)

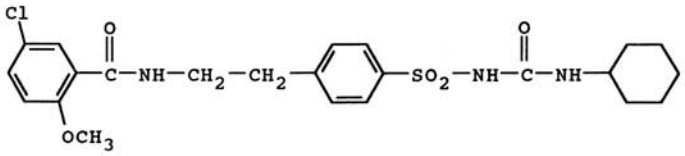
Synonyms: 5-Chloro-N-[2-[4-[[[(cyclohexylamino)carbonyl]amino] sulfonyl]phenyl]-ethyl]2-methoxybenzamide; glybenzcyclamide; glibenclamide

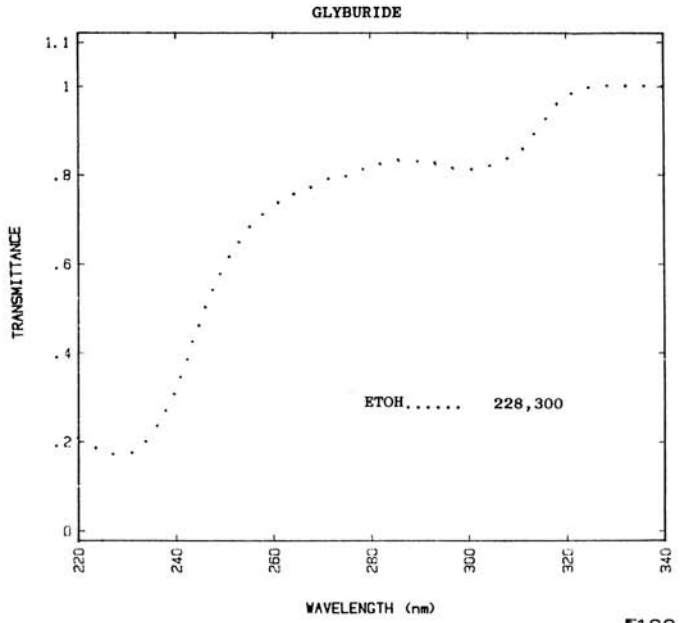
Trade names: Adiab, Azuglucon, Bastiverit, Dia-basan, Diabeta, Daonil, Dura-glucon, Euclamin, Euglucon, Gilemal, Gliben-Puren, Glidiabet, Glimidstada, Glucoremed, Gluco-Tablinen, Glycolande, Hemi-Daonil, Lederglib, Libanil, Lisaglucon, Malix, Maninil, Micronase, Praeciglucon, Semi-Daonil, Semi-Euglucon, Semi-Gliben-Puren

Use: Antidiabetic

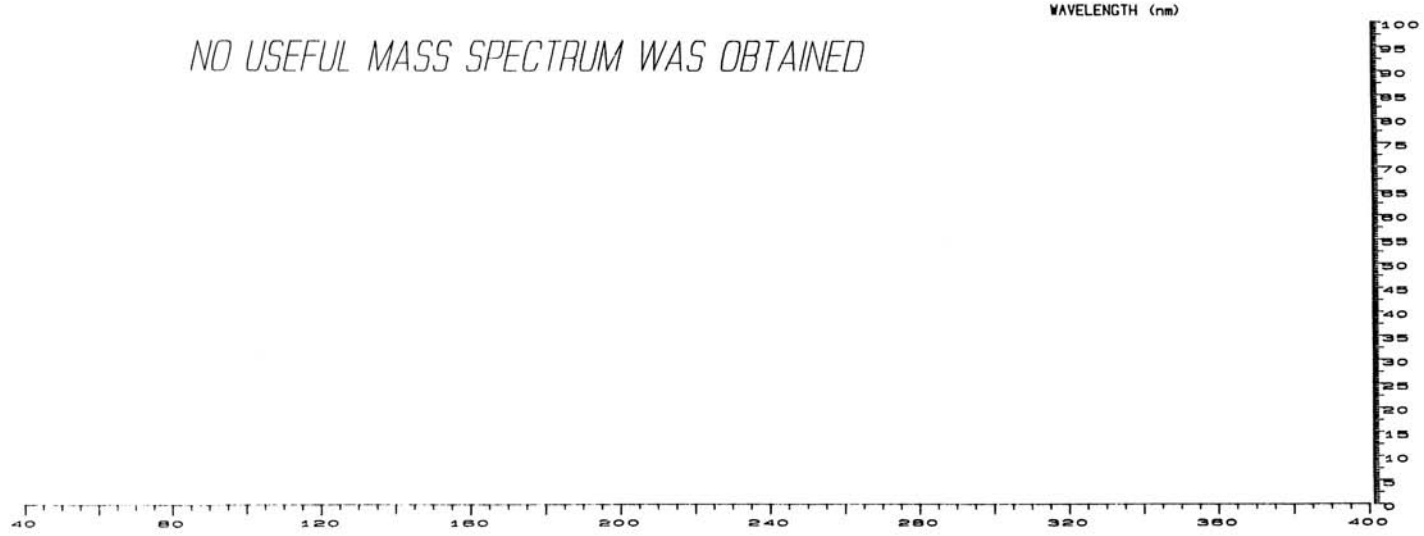
HPLC: 50A:50B; 8.1

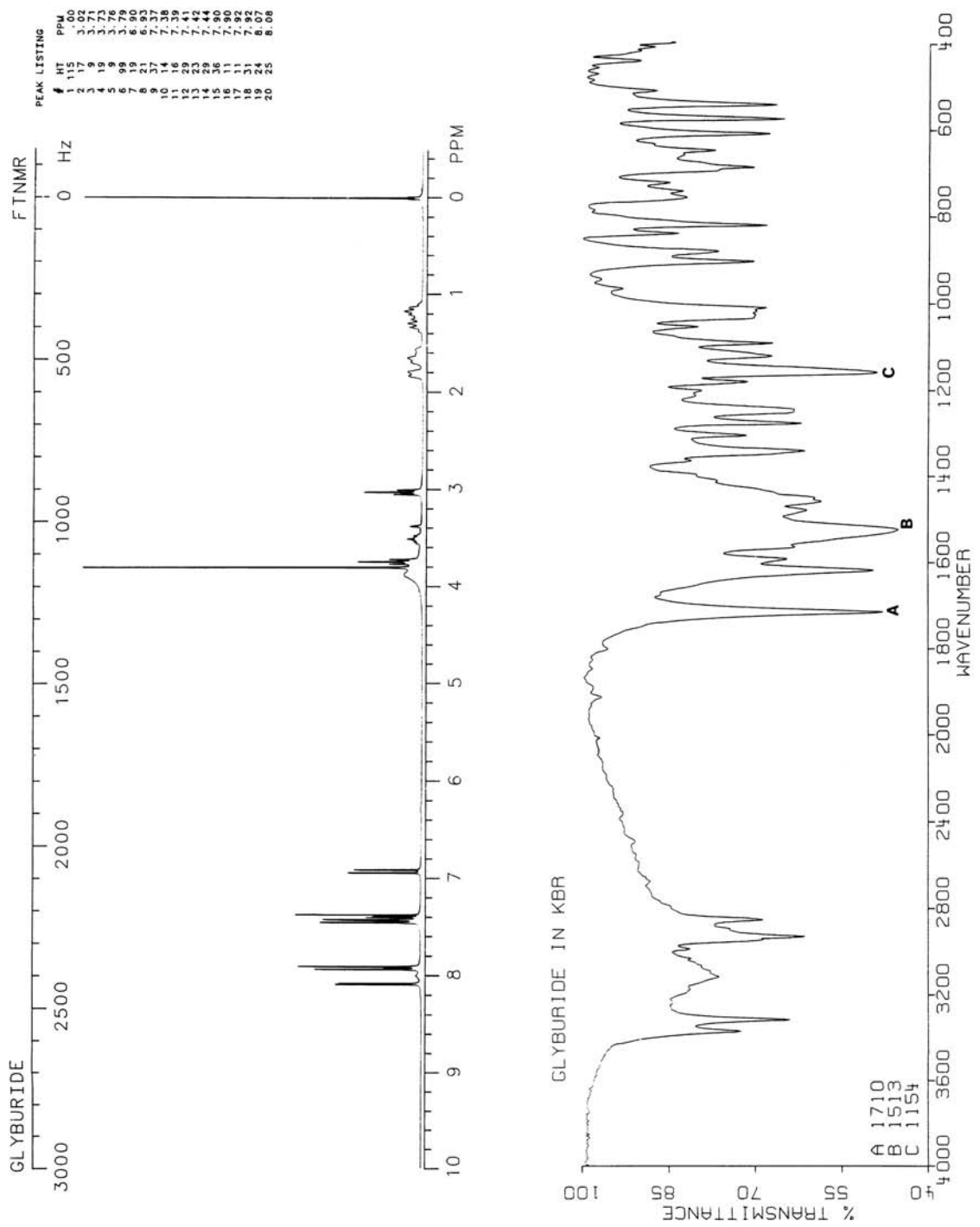
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED

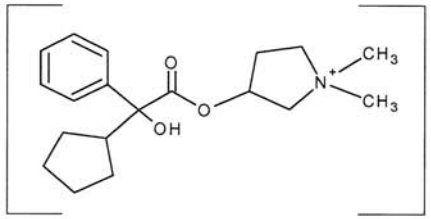


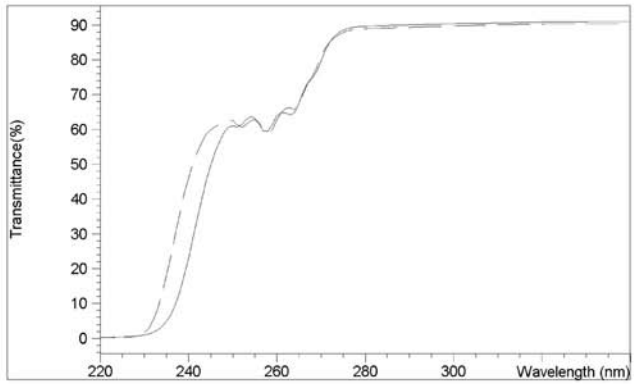

GLYBURIDE
FTNMR
PEAK LISTING
HT PPM
1 115 .00
2 17 3.02
3 9 3.71
4 19 3.73
5 9 3.76
6 99 3.79
7 19 6.90
8 21 6.93
9 37 7.37
10 14 7.38
11 16 7.39
12 29 7.41
13 23 7.42
14 29 7.44
15 36 7.90
16 11 7.90
17 11 7.92
18 31 7.97
19 24 8.07
20 25 8.08
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
GLYBURIDE IN KBR
A 1710
B 1513
C 1154
A
B
C
100 85 70 55 40 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

GLYCOPYRROLATE

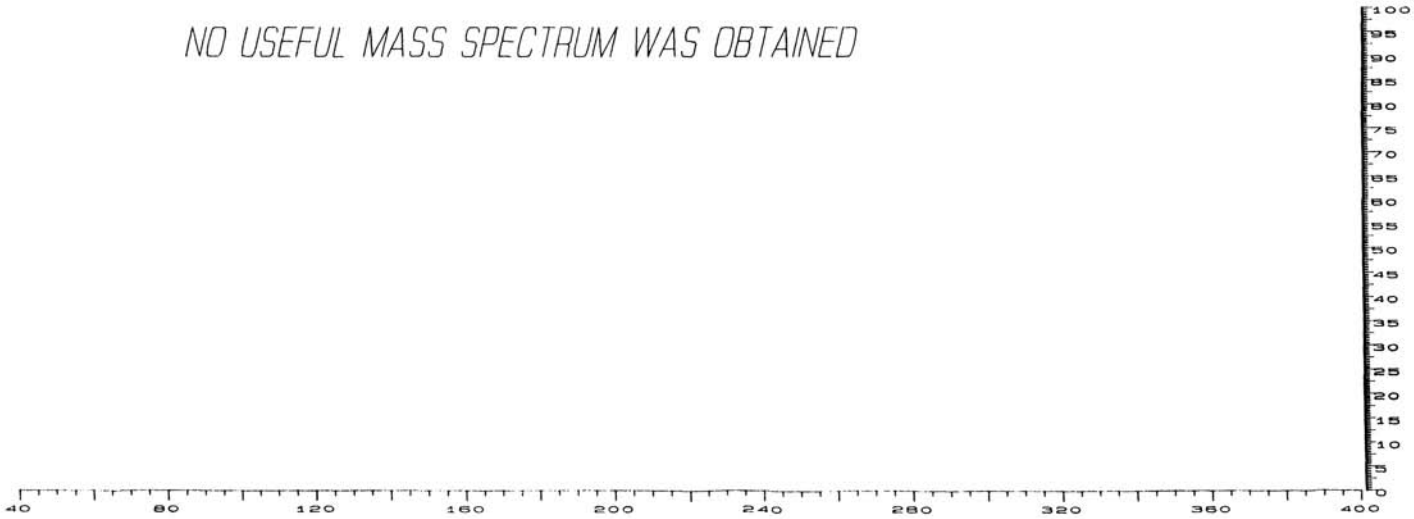
$C_{19}H_{28}BrNO_3$

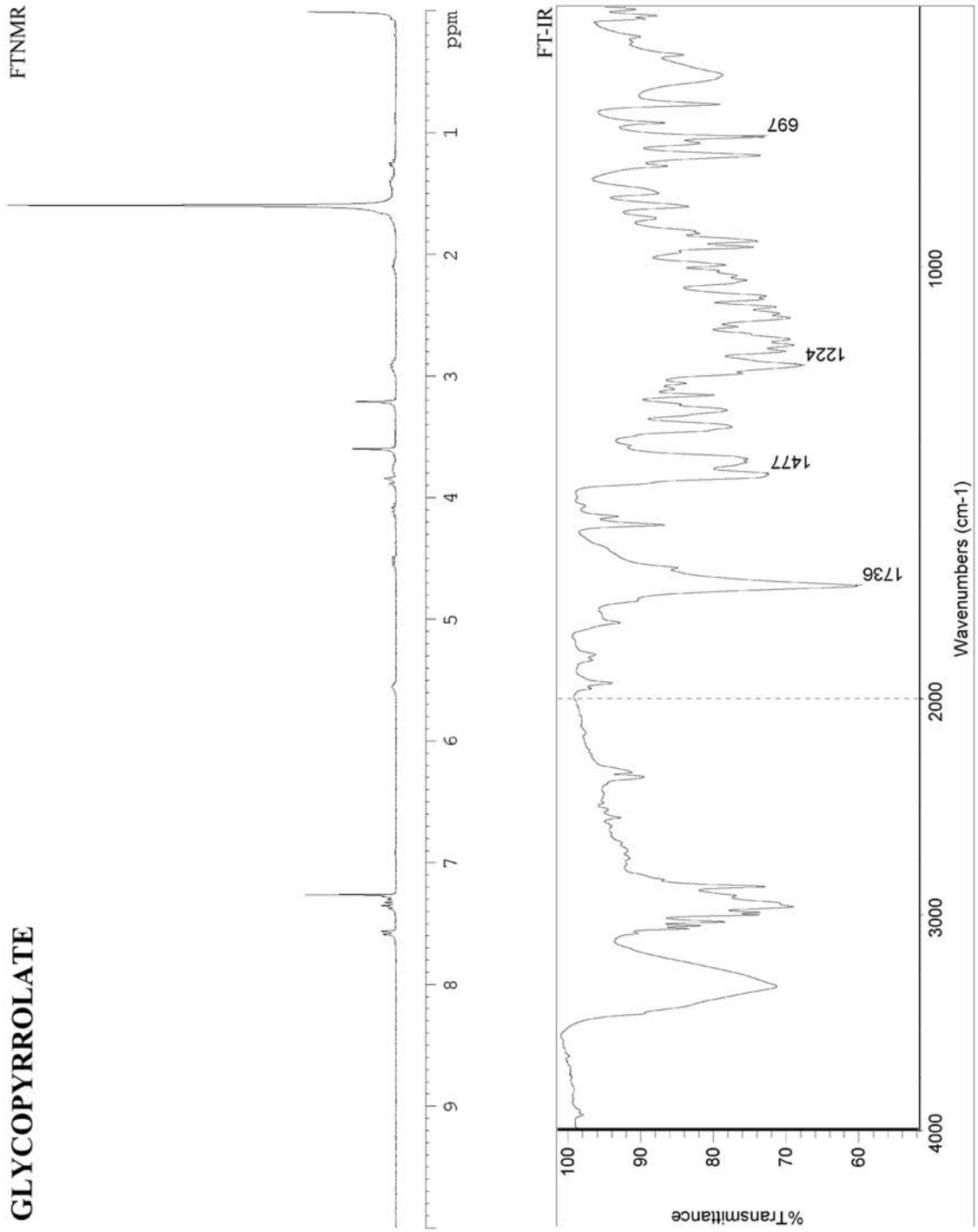
Molecular Weight: 398.33 (397.13)
Synonyms: 3-[(Cyclopentyllhydroxyphenylacetyl) oxy]-1,1-dimethylpyrrolidinium bromide
Trade names: Robinul, Nodapton, Robinul, Tarodyl, Tarodyn
Use: Antispasmodic: Preanesthetic medicant, Anticholinergic





NO USEFUL MASS SPECTRUM WAS OBTAINED



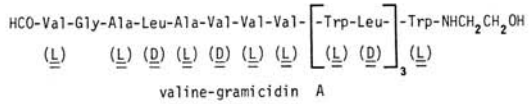

GLYCOPYRROLATE
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
697
1224
1477
1736
%Transmittance
100
90
80
70
60
4000
3000
2000
1000
Wavenumbers (cm-1)

GRAMICIDIN

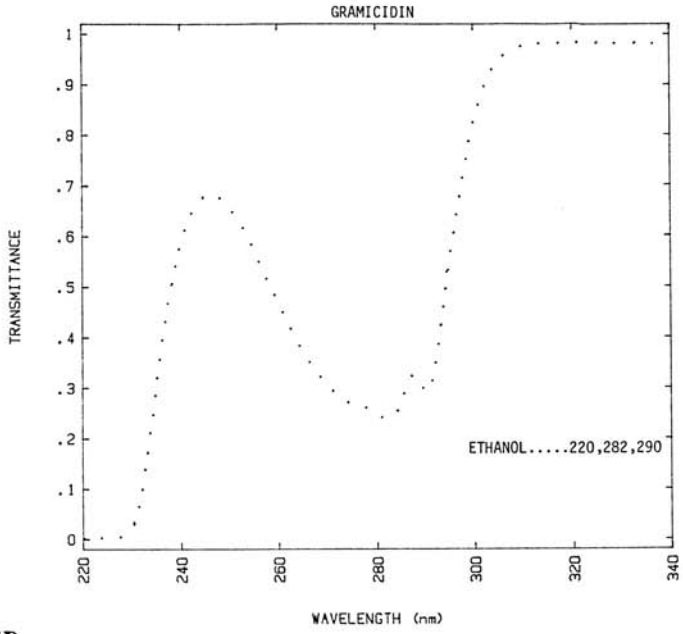
Polypeptide cyclic antibiotic complex

Molecular weight:
Synonyms: Gramicidin D; Linear gramicidins

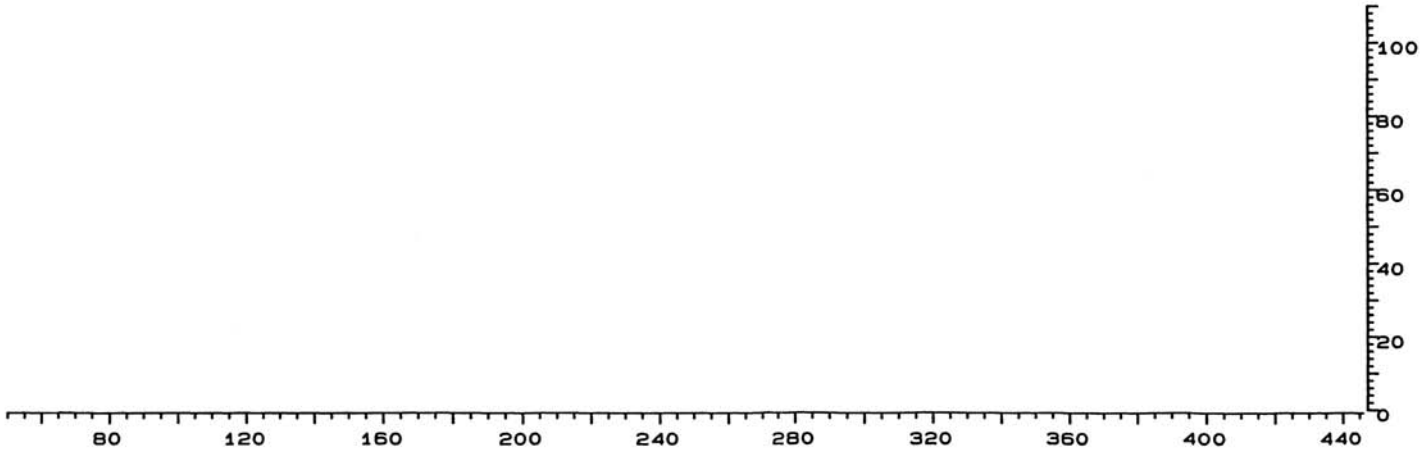
Trade names: Mycolog, Myco-Triacet, Mytrex, Neosporin, Nyst-olone, Tri-Thalmic
Use: Antibacterial
HPLC:
GC:

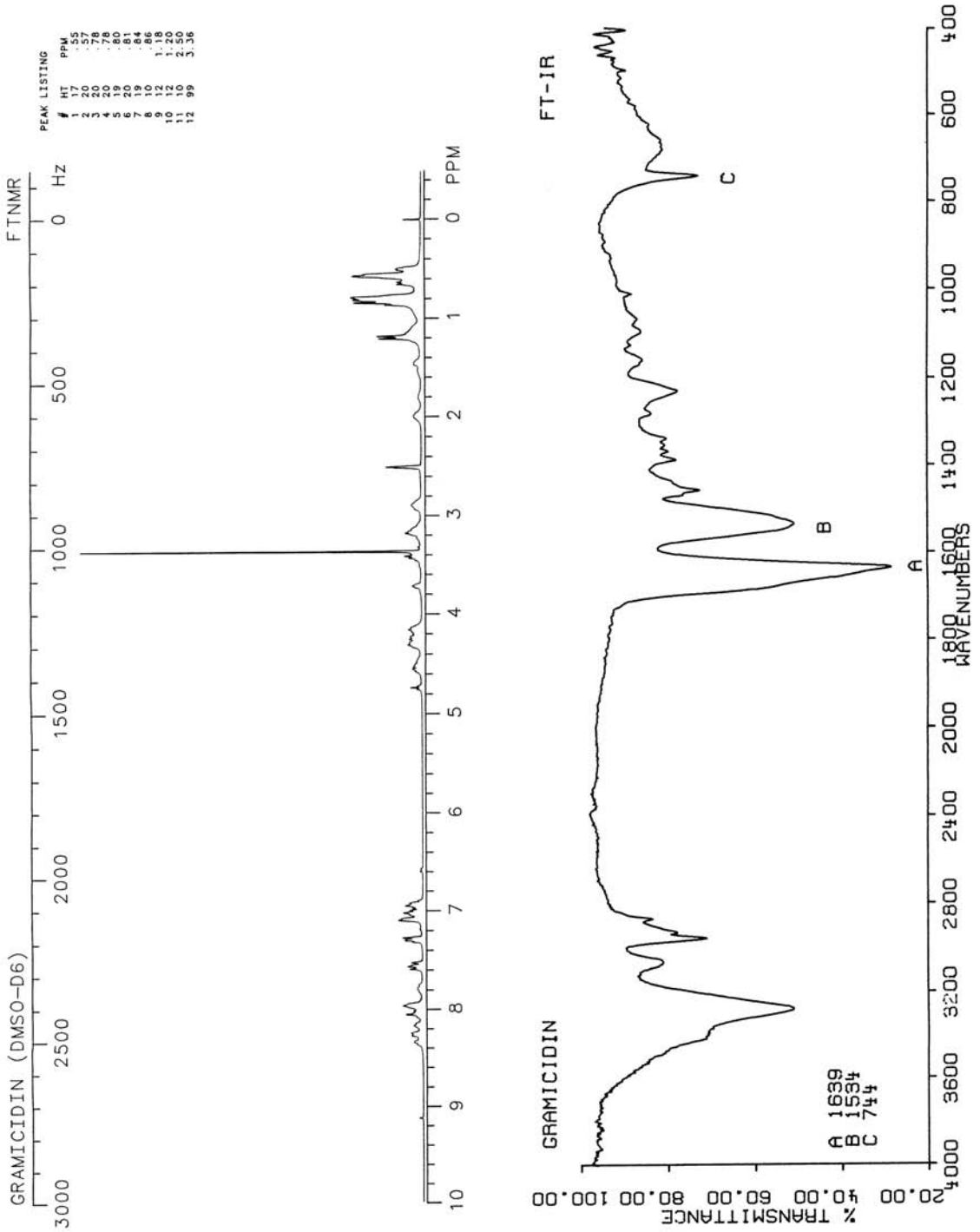


valine-gramicidin A



NO USEFUL MASS SPECTRUM WAS OBTAINED



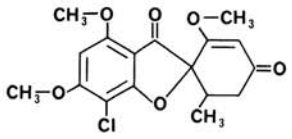

GRAMICIDIN (DMSO-D6)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 17 .55
2 20 .57
3 20 .78
4 20 .78
5 19 .80
6 20 .81
7 19 .84
8 10 .86
9 12 1.18
10 12 2.50
11 10 2.50
12 99 3.36
10
9
8
7
6
5
4
3
2
1
0 PPM
GRAMICIDIN
FT-IR
A 1639
B 1534
C 744
% TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C

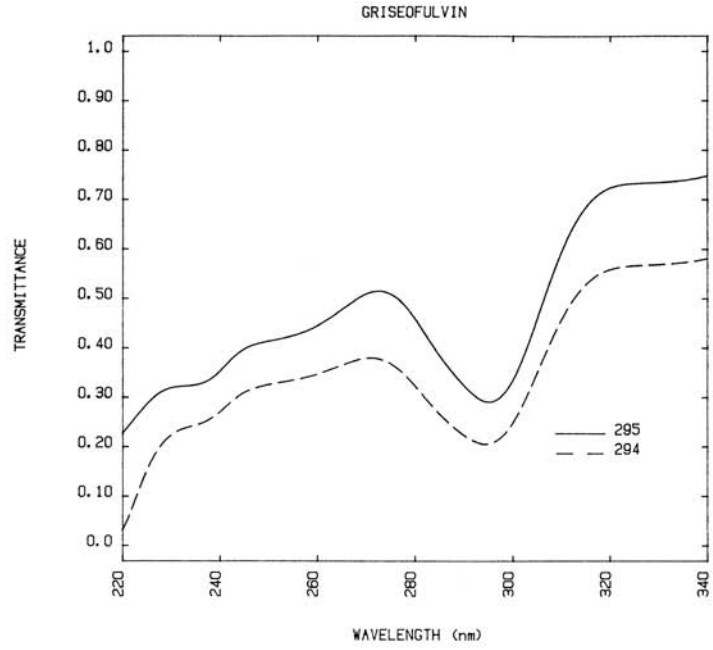
GRISEOFULVIN

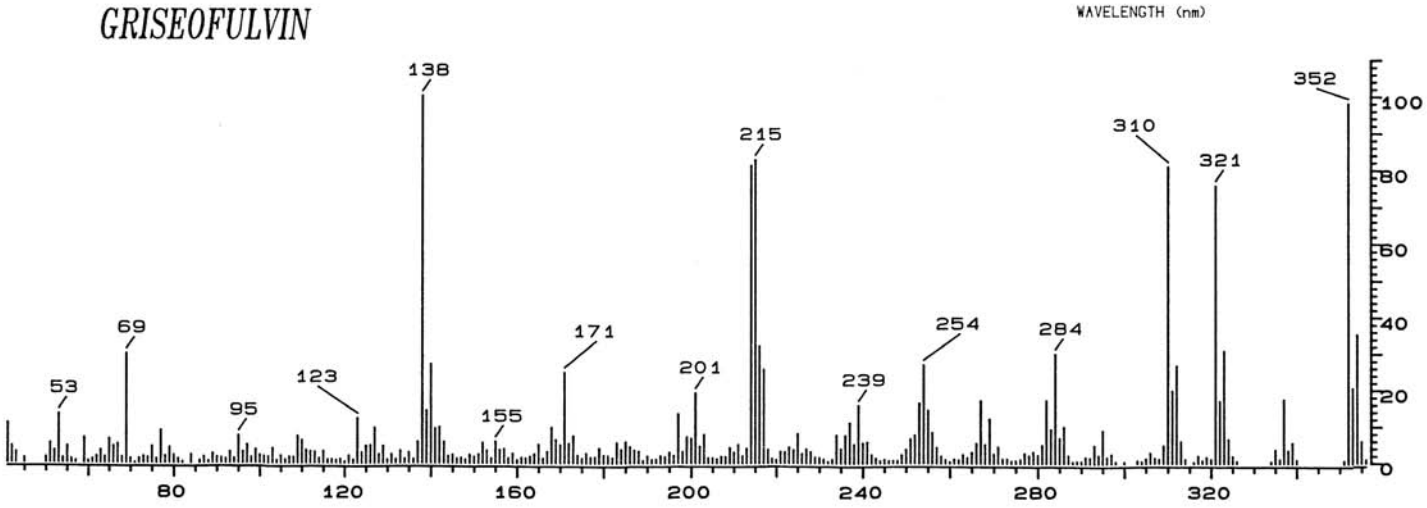
$C_{17}H_{17}ClO_6$

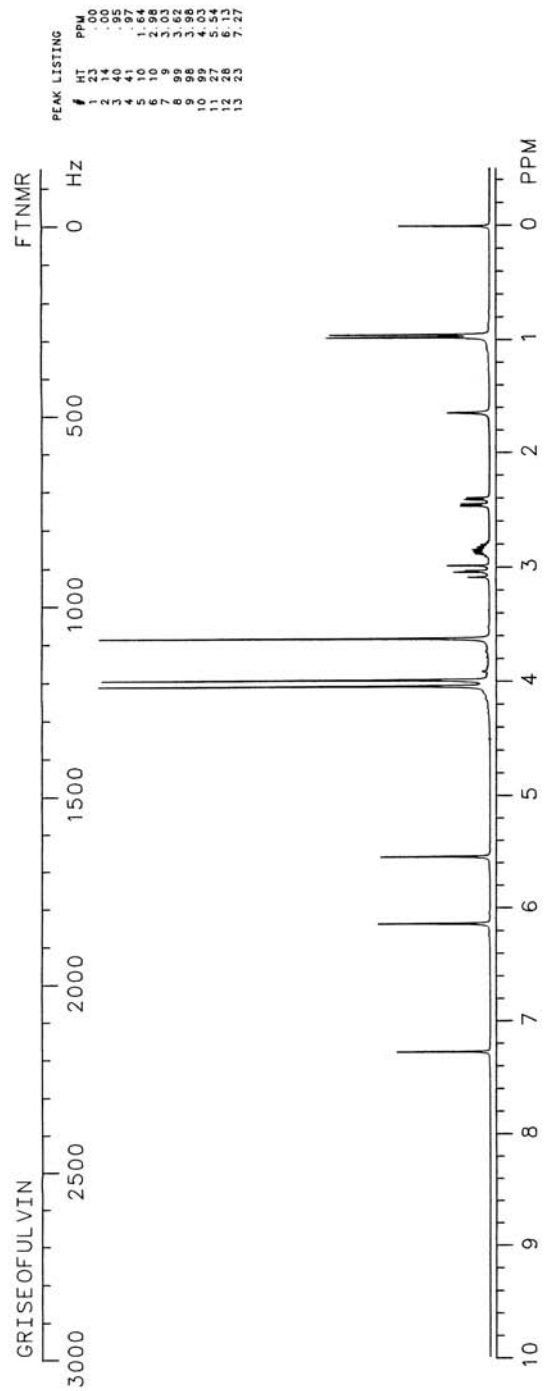
Molecular weight: 352.77 (352.07)
Synonyms: (2S-trans)-7-Chloro-2',4,6-trimethoxy-6'-methylspiro-[benzofuran-2(3H),1'-[2]cyclohexene]-3,4'-dione
Trade names: Fulvicin, Grifulvin, Grisactin, Gris-PEG

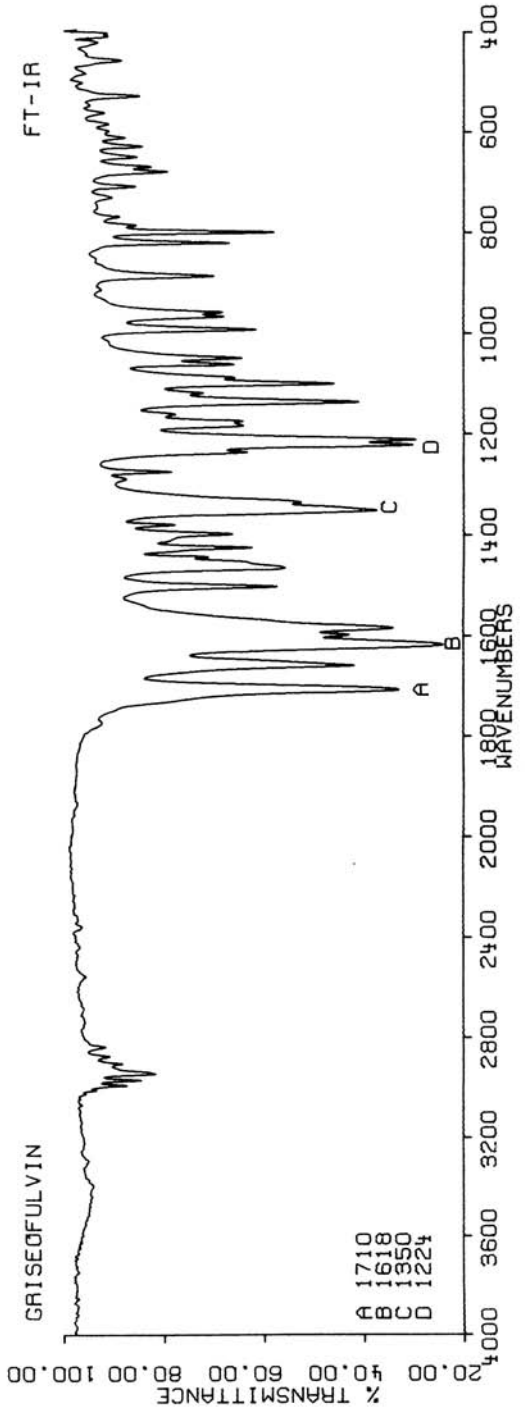
Use: Antibiotic, antifungal
HPLC: Si-10; 1A:99B; 5.0
GC: 2887, 280°C








FTNMR
GRISEOFULVIN
PEAK LISTING
HT PPM
1 23 .00
2 14 .00
3 40 .95
4 41 .97
5 10 1.64
6 10 2.98
7 9 3.03
8 99 3.62
9 98 3.88
10 99 4.00
11 27 5.54
12 28 6.13
13 23 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

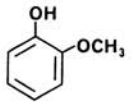

FT-IR
GRISEOFULVIN
A 1710
B 1618
C 1350
D 1224
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

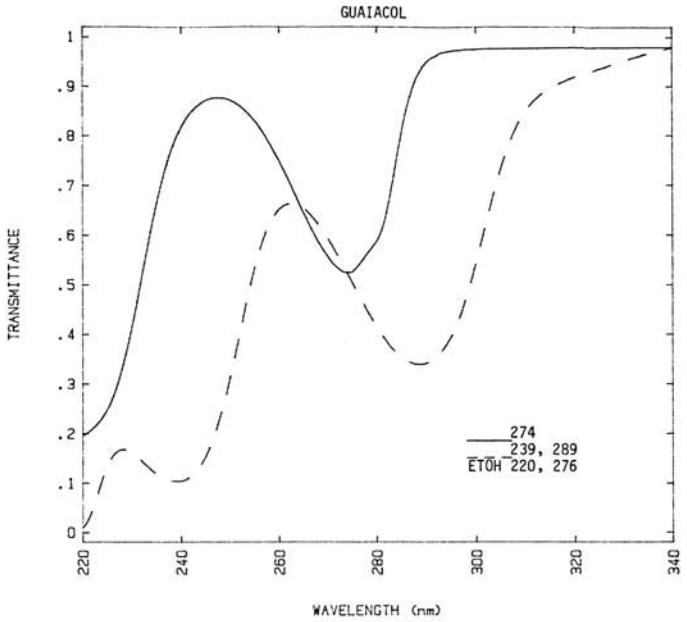
GUAIACOL

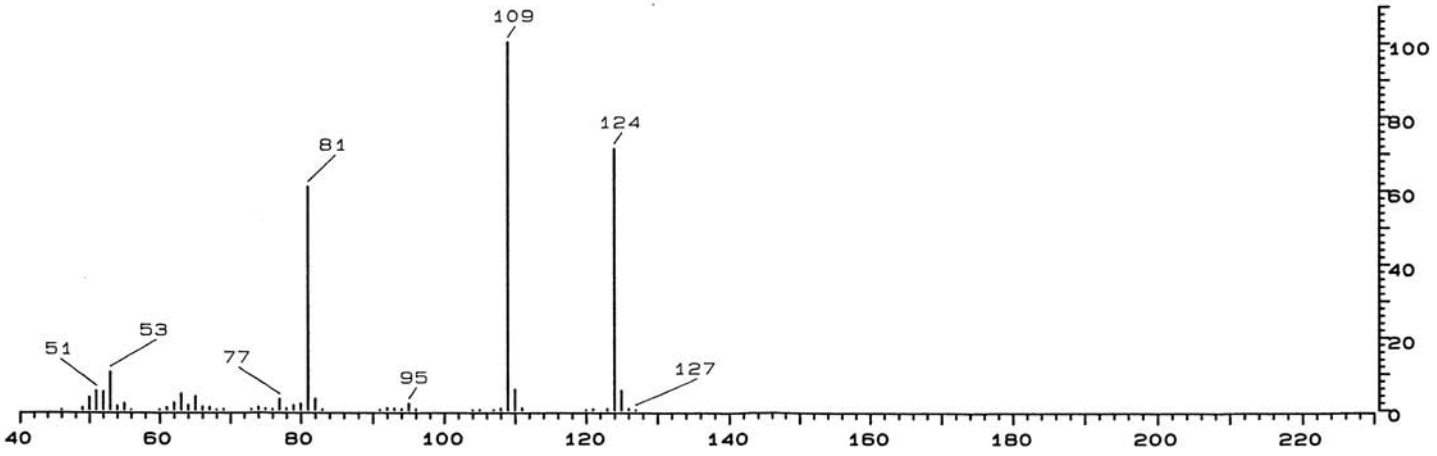
$C_7H_8O_2$

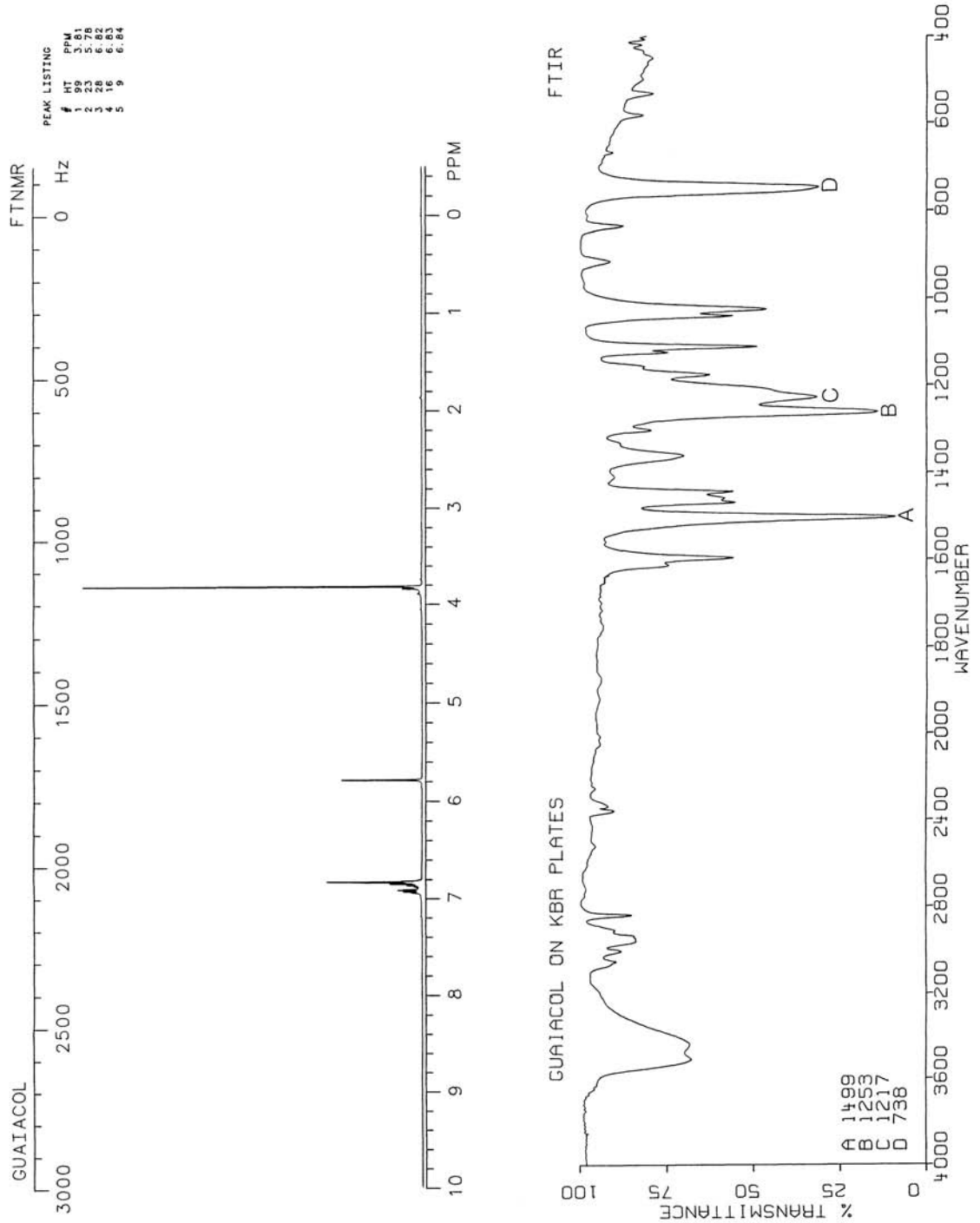
Molecular weight: 124.13 (124.05)
Synonyms: O-Methoxyphenol; methylcatechol; O-hydroxyanisole; 1-hydroxy-2-methoxybenzene
Trade names:

Use: Expectorant
HPLC: Si-10; 20B:80C; 3.6
GC: 1076; 140°C







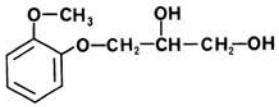

GUAIACOL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 99 3.81
2 23 5.78
3 28 6.82
4 16 6.83
5 9 6.84
GUAIACOL ON KBR PLATES
FTIR
A 1499
B 1253
C 1217
D 738
A
B
C
D
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

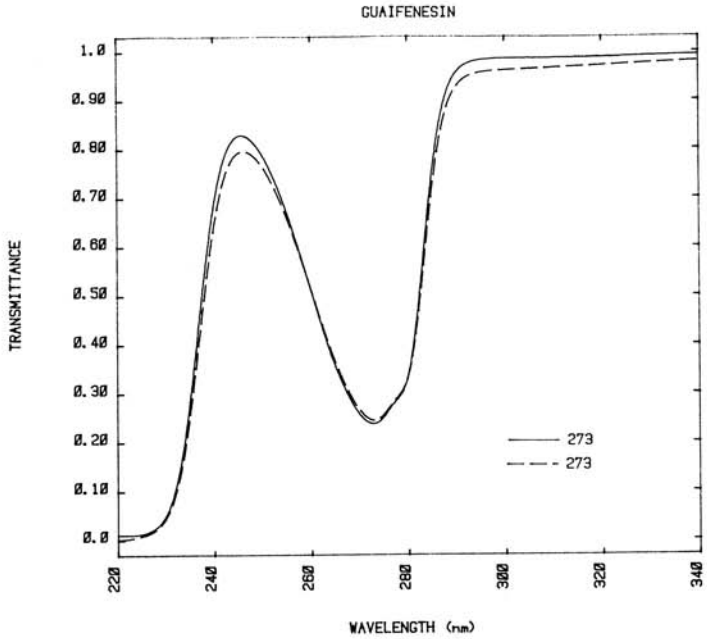
GUAIFENESIN

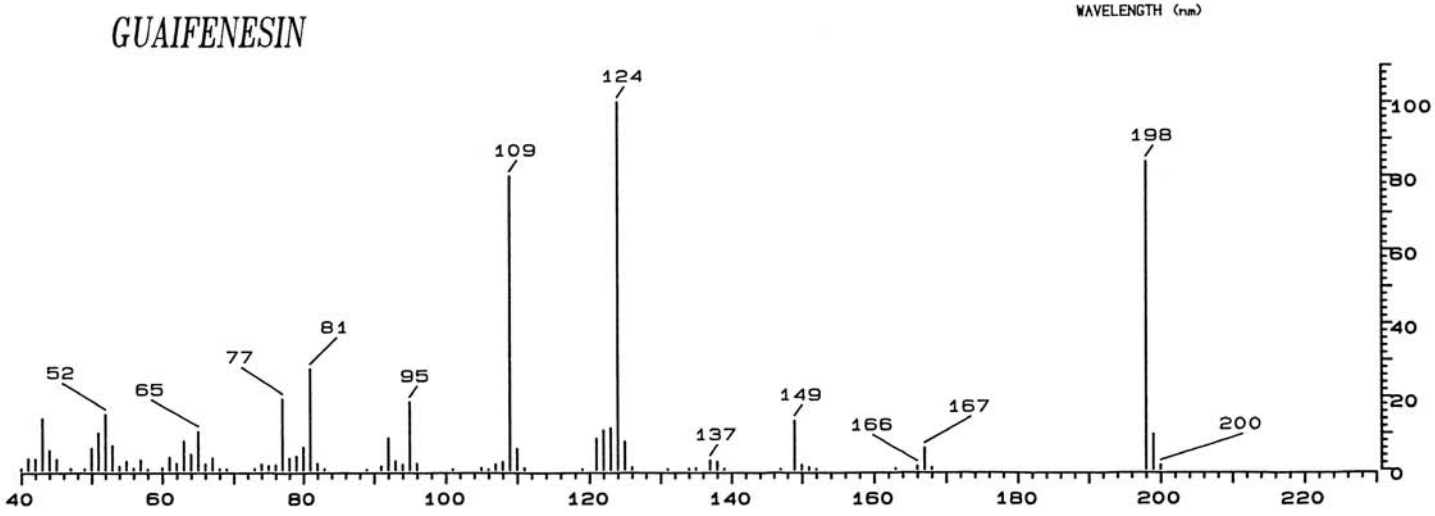
$C_{10}H_{14}O_4$

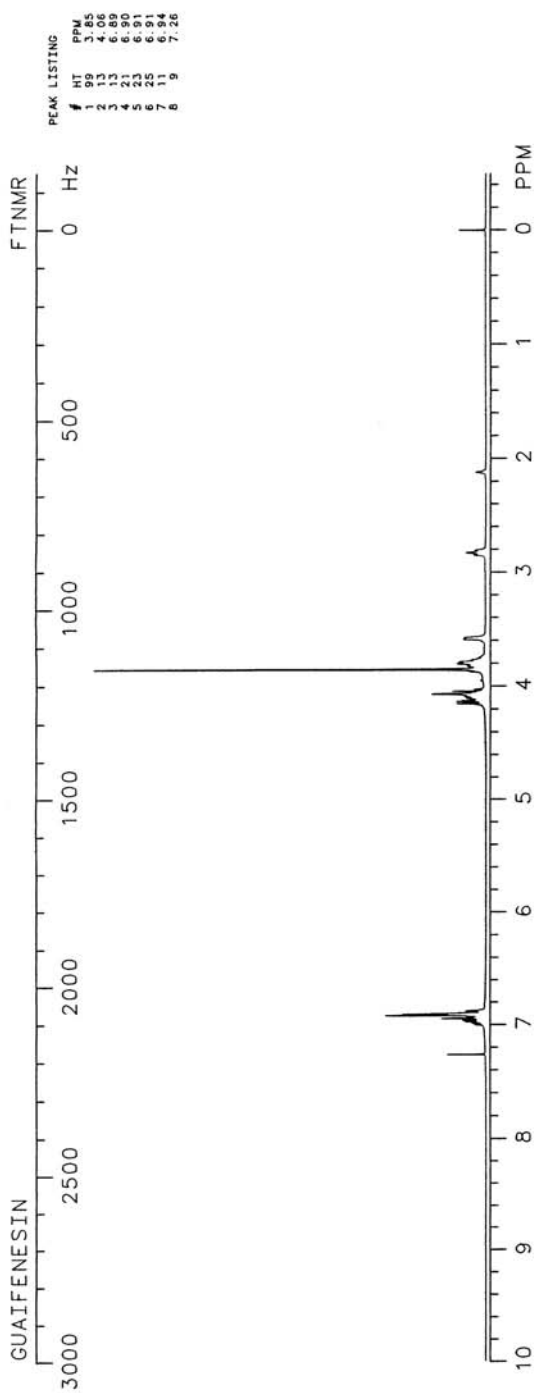
Molecular weight: 198.22 (198.09)
Synonyms: 3-(o-Methoxyphenoxy)-1,2-propanediol; guaiacol glyceryl ether; glycerol guaiacolate
Trade names: Ingredient in numerous cough preparations

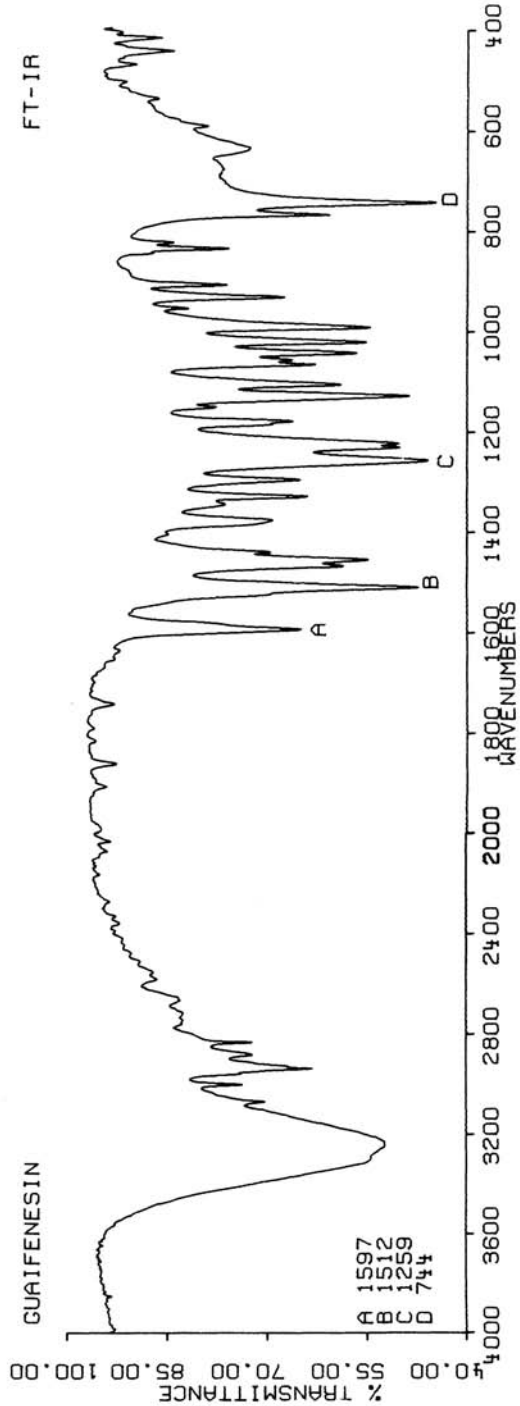
Use: Expectorant
HPLC: Si-10; 2A:98B; 5.0
GC: 1678; 200°C








GUAIFENESIN
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 99 3.85
2 13 4.06
3 13 6.89
4 21 6.90
5 25 6.91
6 25 6.91
7 11 6.94
8 9 7.26
10 9 8 7 6 5 4 3 2 1 0 PPM


GUAIFENESIN
FT-IR
A 1597
B 1512
C 1259
D 744
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

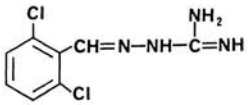
GUANABENZ ACETATE

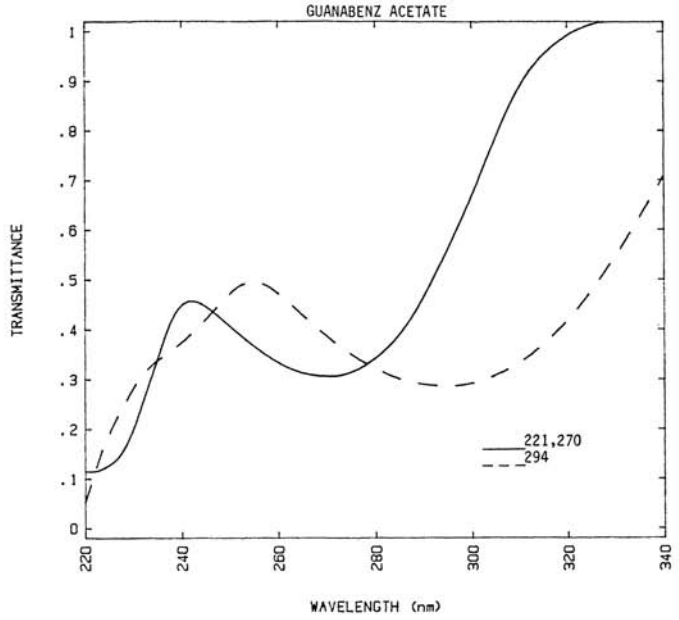
$C_{10}H_{12}Cl_2N_4O_2$

Molecular weight: 291.14 (290.03)
Synonyms: 2,6-Dichlorobenzylideneaminoguanidine

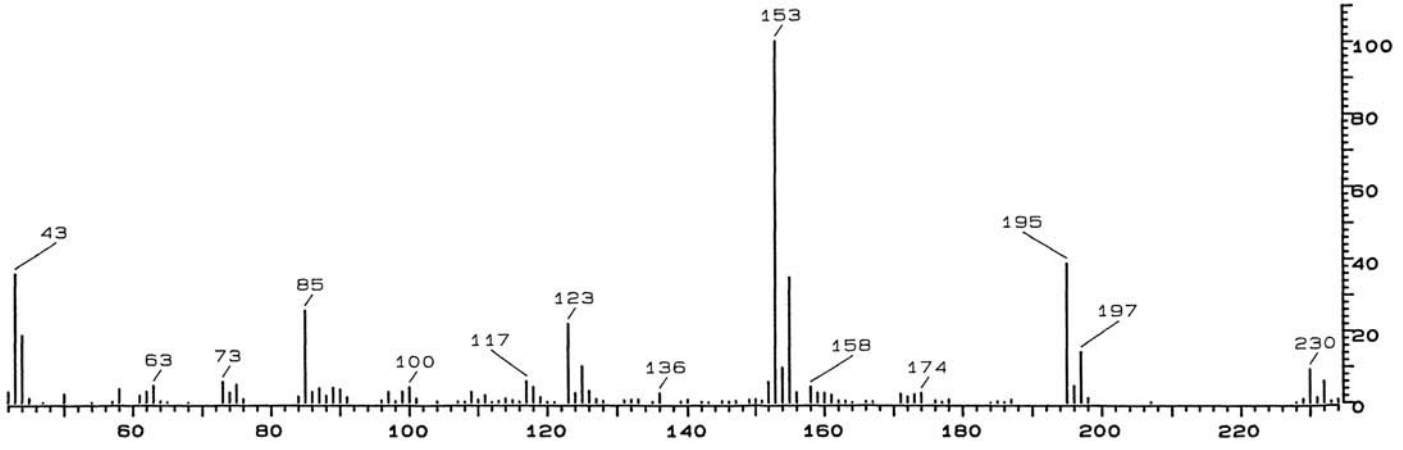
Trade names: Wytensin

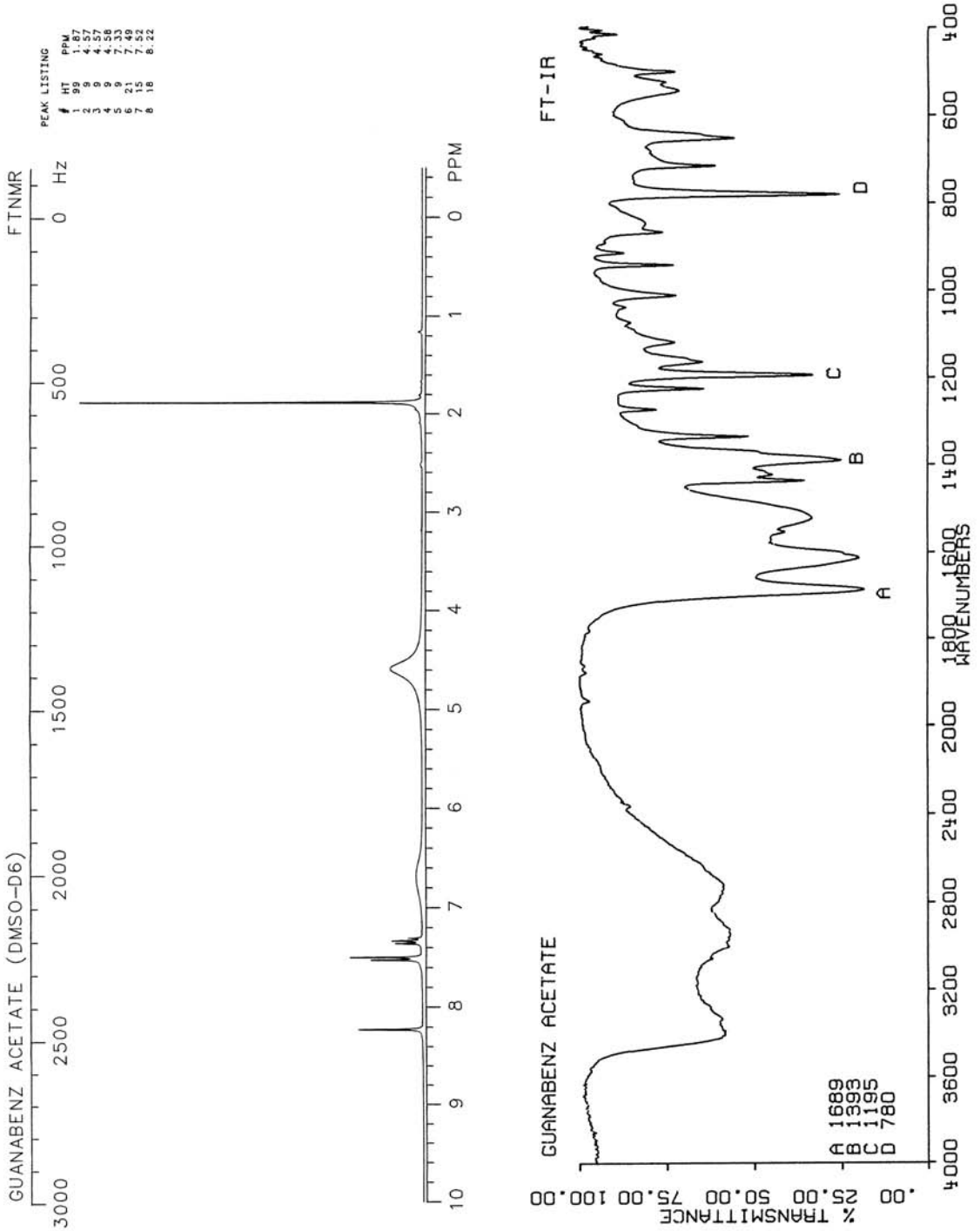
Use: Antihypertensive
HPLC: Si-10; 5A:95B; 8.9
GC: 2228; 250°C





GUANABENZ




GUANABENZ ACETATE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 99 1.87
2 9 4.57
3 9 4.57
4 9 4.58
5 9 7.33
6 21 7.49
7 15 7.52
8 18 8.22
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
GUANABENZ ACETATE
FT-IR
A 1689
B 1393
C 1195
D 780
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

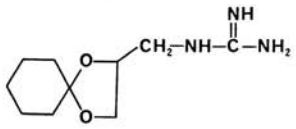
GUANADREL

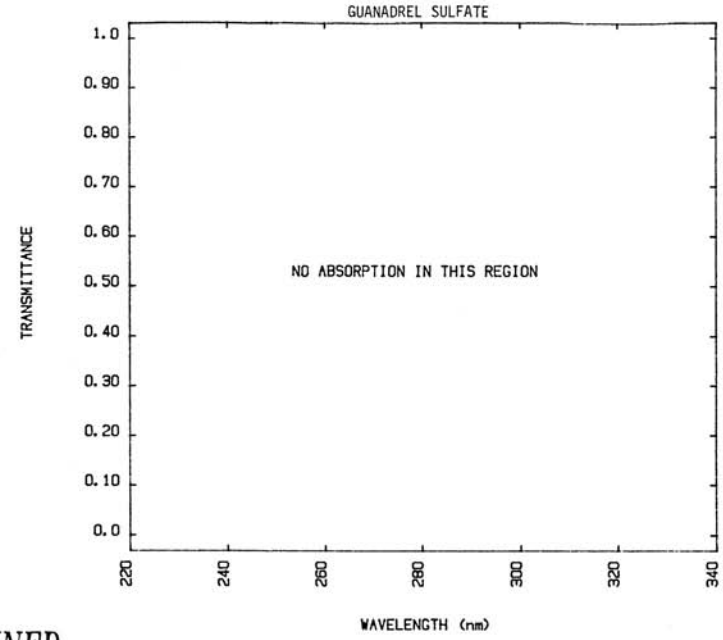
$C_{10}H_{19}N_3O_2$

Molecular weight: 213.28 (213.15)
Synonyms: (1,4-Dioxaspiro[4.5]dec-2-yl-methyl)guanidine

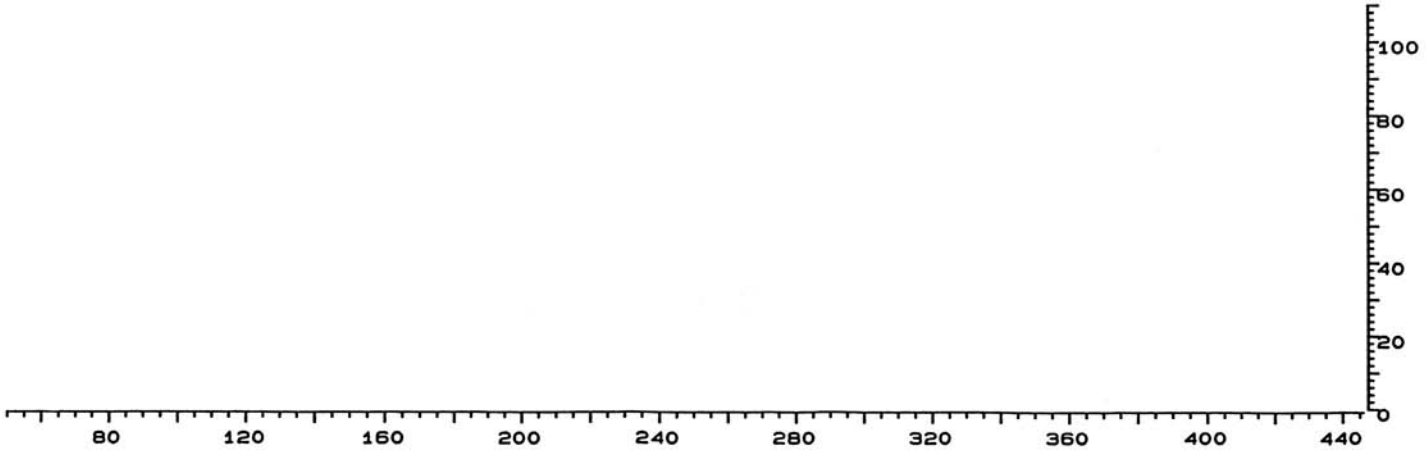
Trade names: Anarel, Hylorel

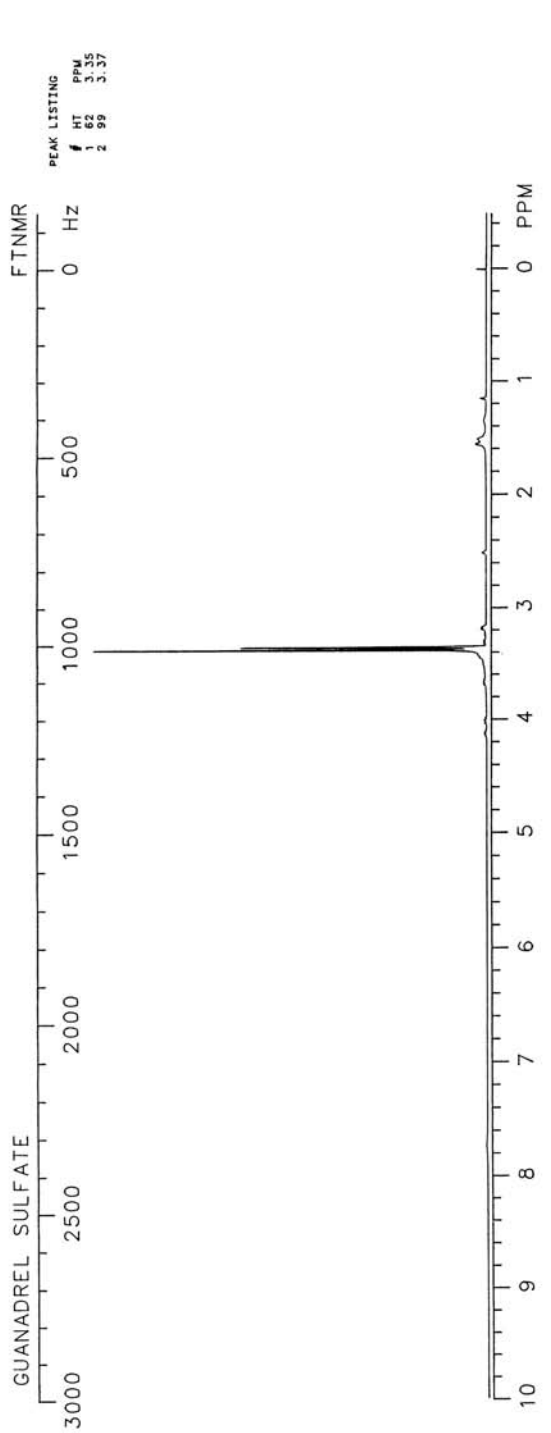
Use: Antihypertensive
HPLC:
GC:

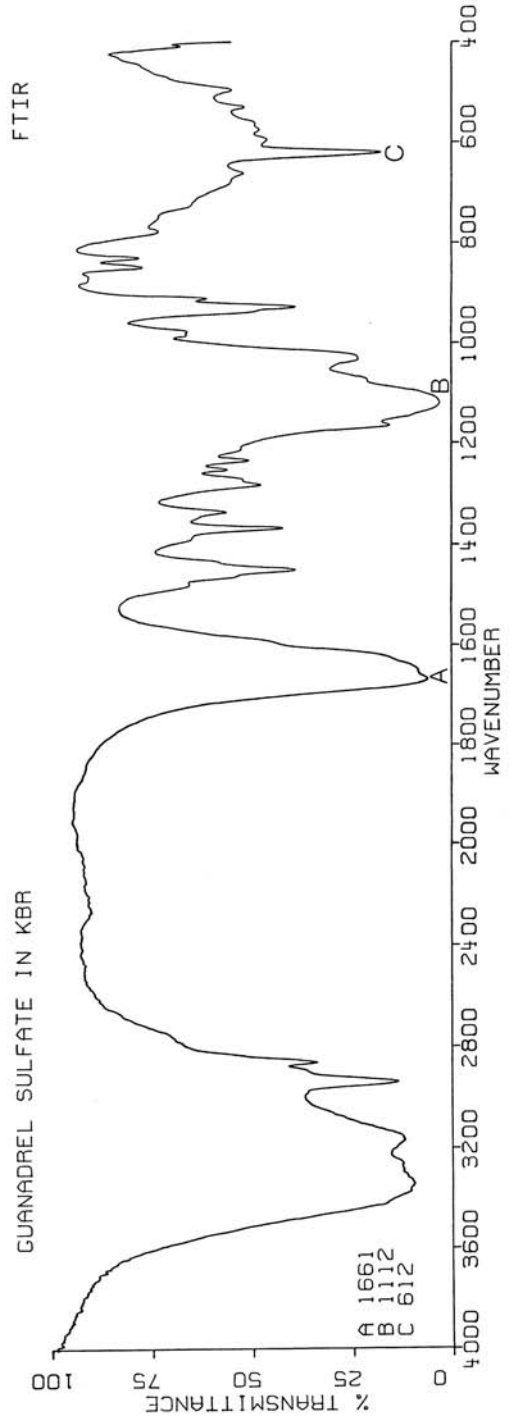




NO USEFUL MASS SPECTRUM WAS OBTAINED




GUANADREL SULFATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 62 3.35
2 99 3.37
0 PPM
1
2
3
4
5
6
7
8
9
10

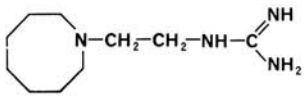

GUANADREL SULFATE IN KBR
FTIR
A 1661
B 1112
C 612
A
B
C
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

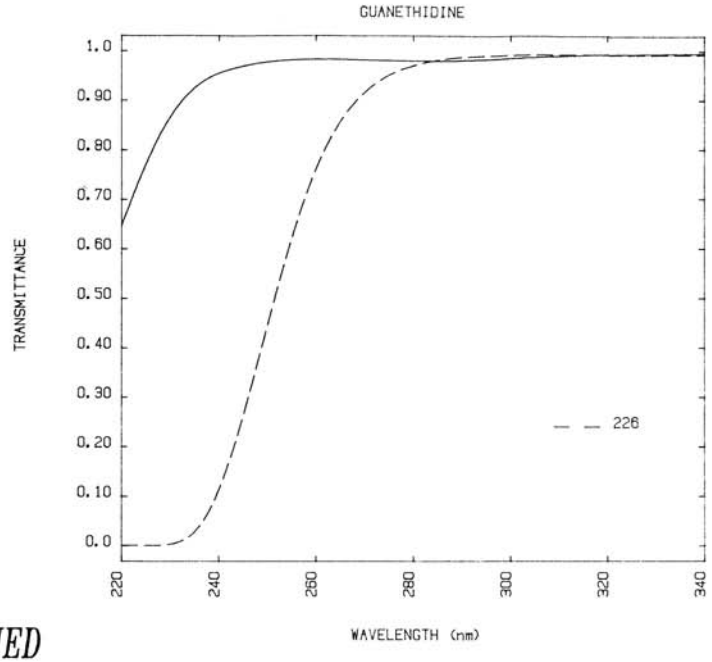
GUANETHIDINE

$C_{10}H_{22}N_4$

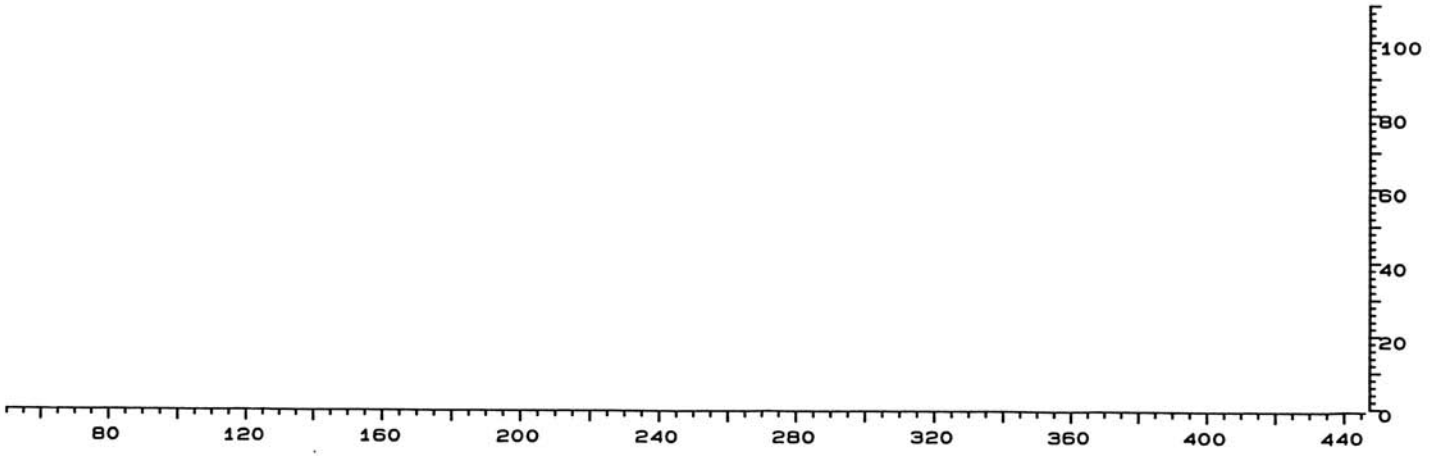
Molecular weight: 198.31 (198.18)
Synonyms: [2-(Hexahydro-1(2H)-azocinyl)ethyl]guanidine;
oktadin; oktatenzin
Trade names: Esimil, Ismelin

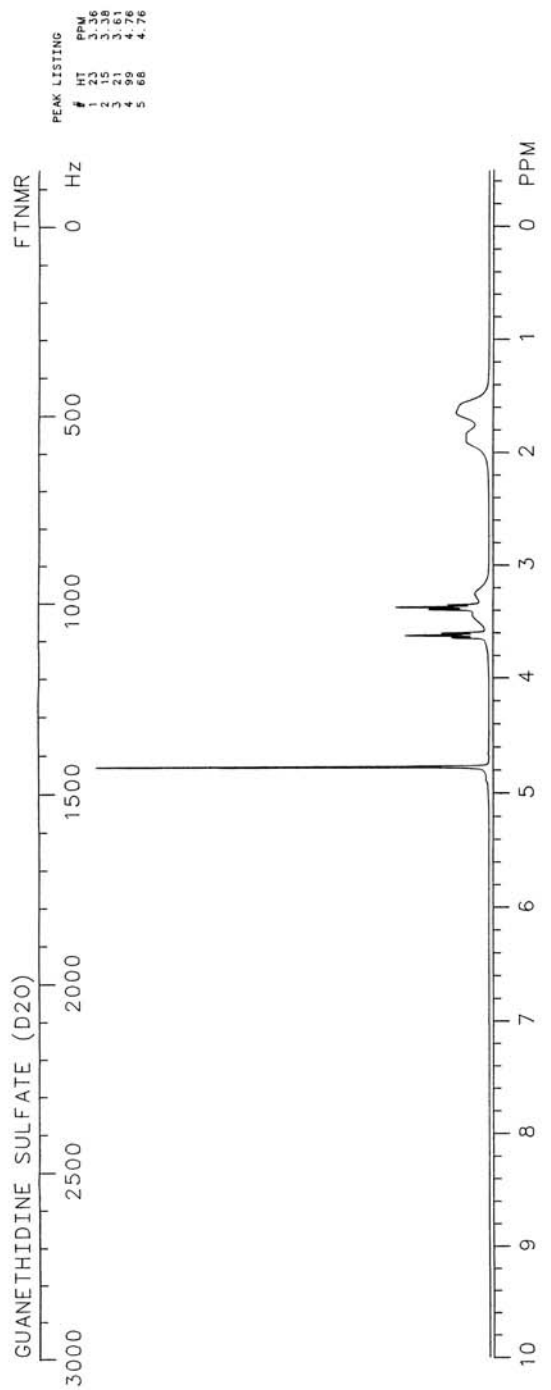
Use: Antihypertensive
HPLC:
GC:

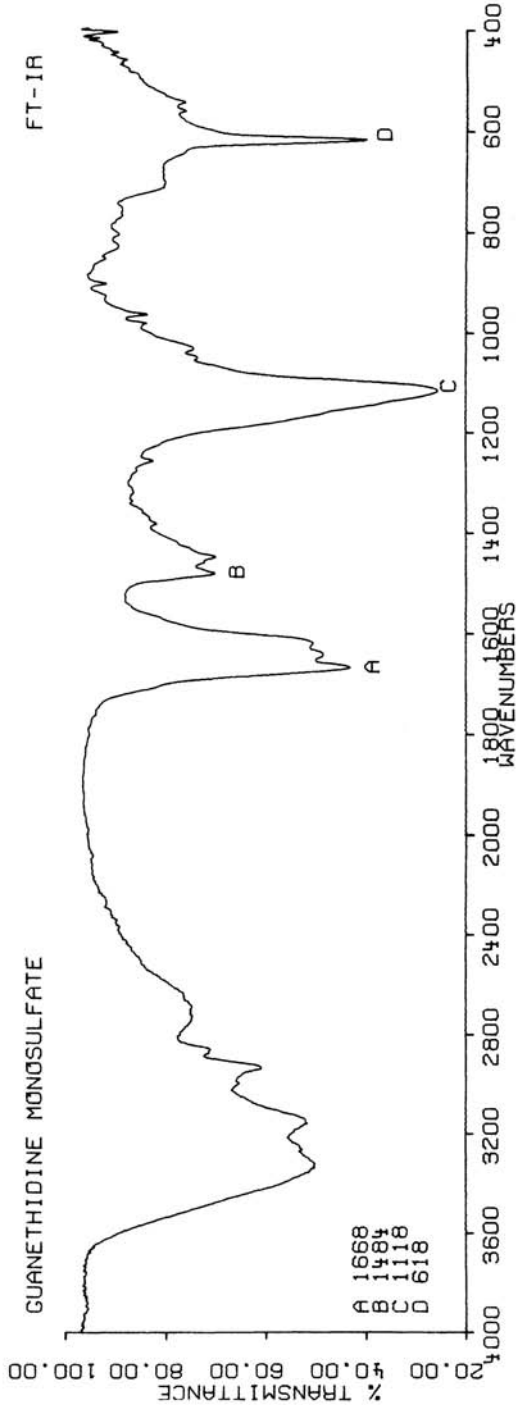




NO USEFUL MASS SPECTRUM WAS OBTAINED




GUANETHIDINE SULFATE (D2O)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 23 3.36
2 15 3.38
3 21 3.61
4 99 4.76
5 68 4.76
10
9
8
7
6
5
4
3
2
1
0 PPM


GUANETHIDINE MONOSULFATE
FT-IR
A 1668
B 1484
C 1118
D 618
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

GUANFACINE

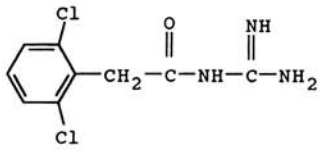
$C_9H_9Cl_2N_3O$

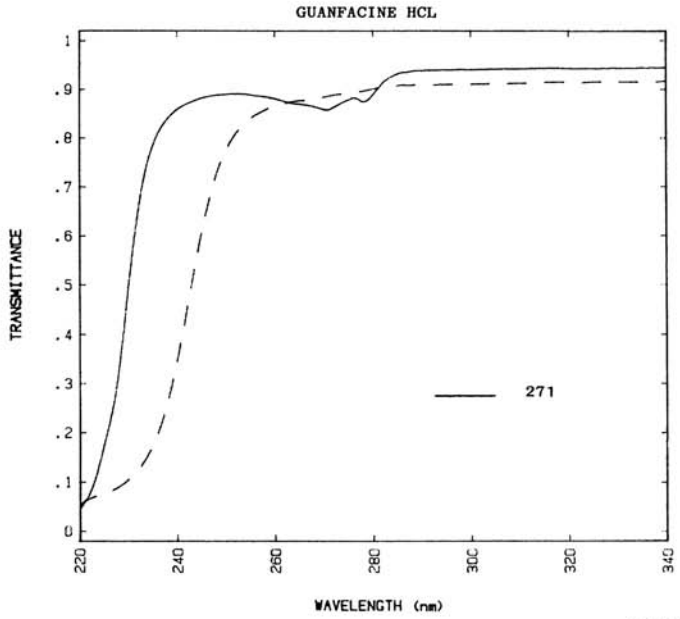
Molecular weight: 246.08 (245.01)

Synonyms: N-(Aminoiminomethyl)-2,6-dichlorobenzeneacetamide

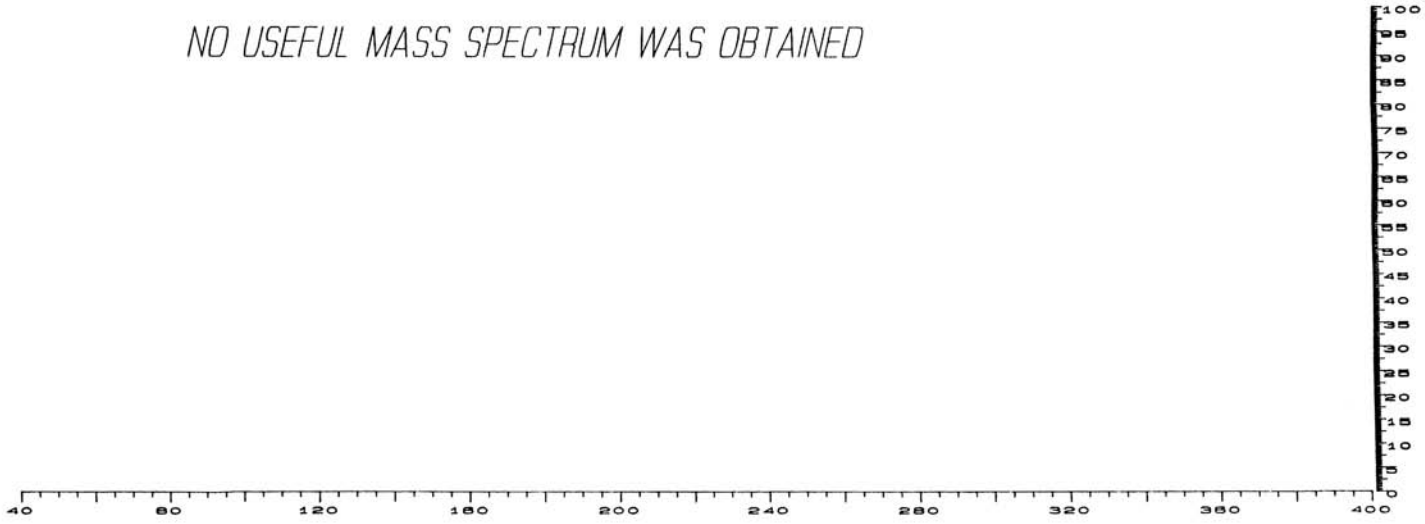
Trade names: Estulic, Tenex

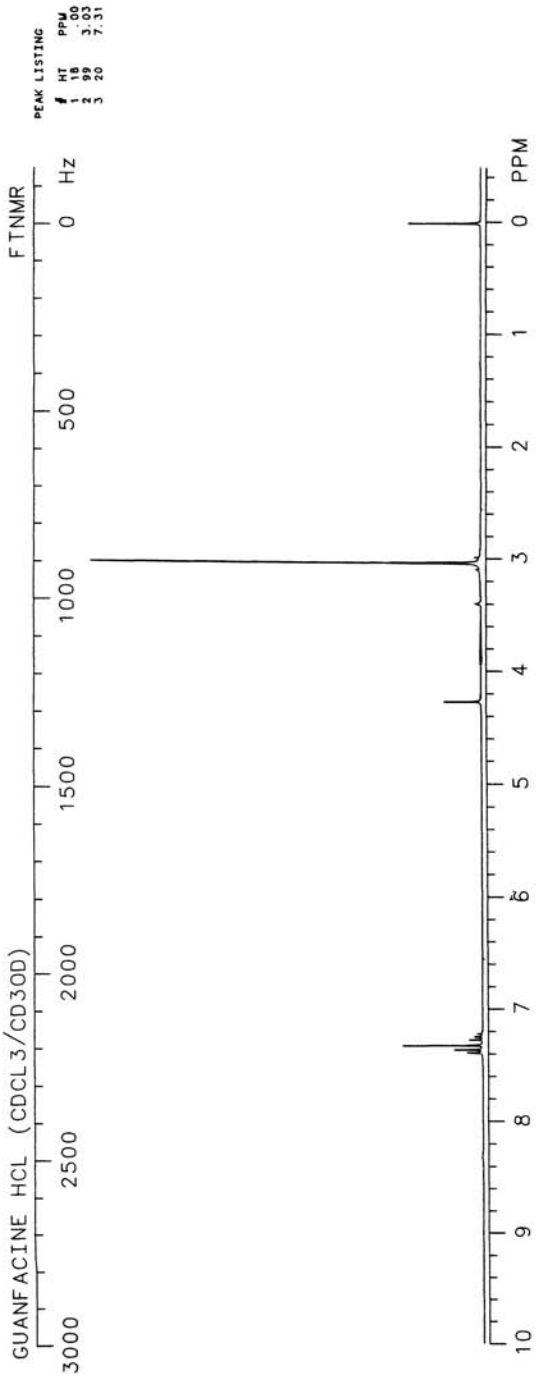
Use: Antihypertensive
HPLC: 90A:10B; 3.6
GC: 1472; 200°

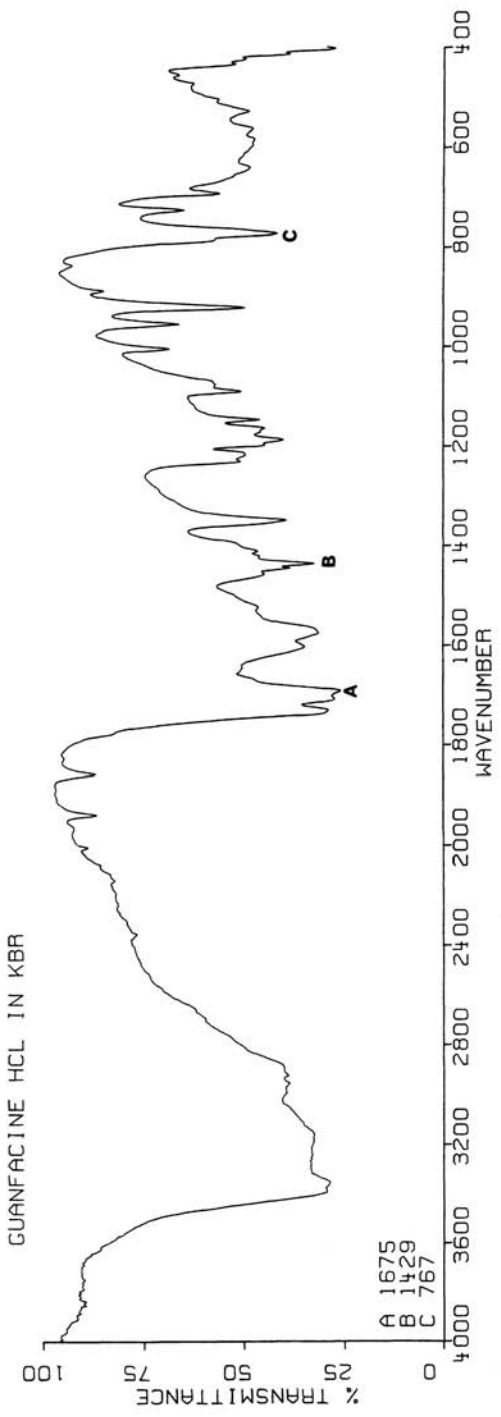




NO USEFUL MASS SPECTRUM WAS OBTAINED




GUANFACINE HCL (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 18 .00
2 99 3.03
3 20 7.31
10 9 8 7 6 5 4 3 2 1 0 PPM

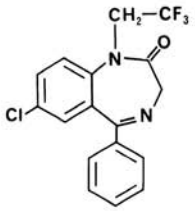

GUANFACINE HCL IN KBR
A 1675
B 1429
C 767
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C

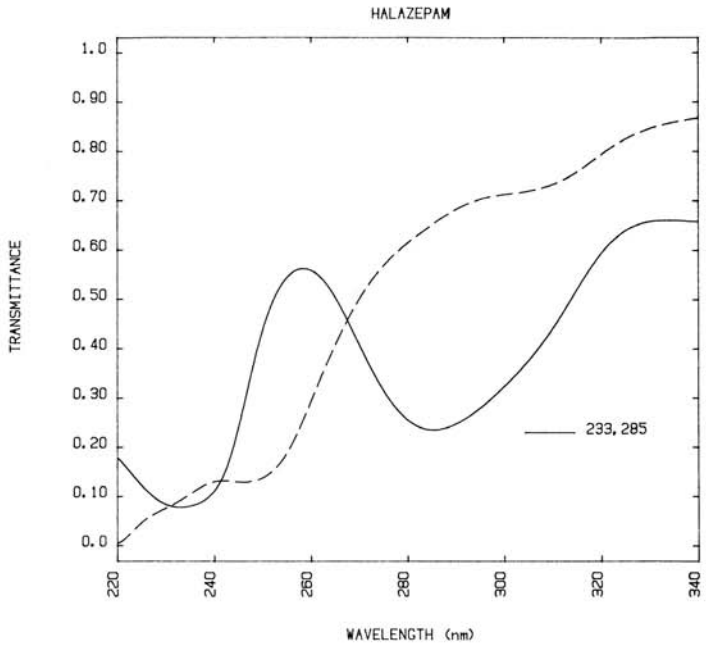
HALAZEPAM

$C_{17}H_{12}ClN_2OF_3$

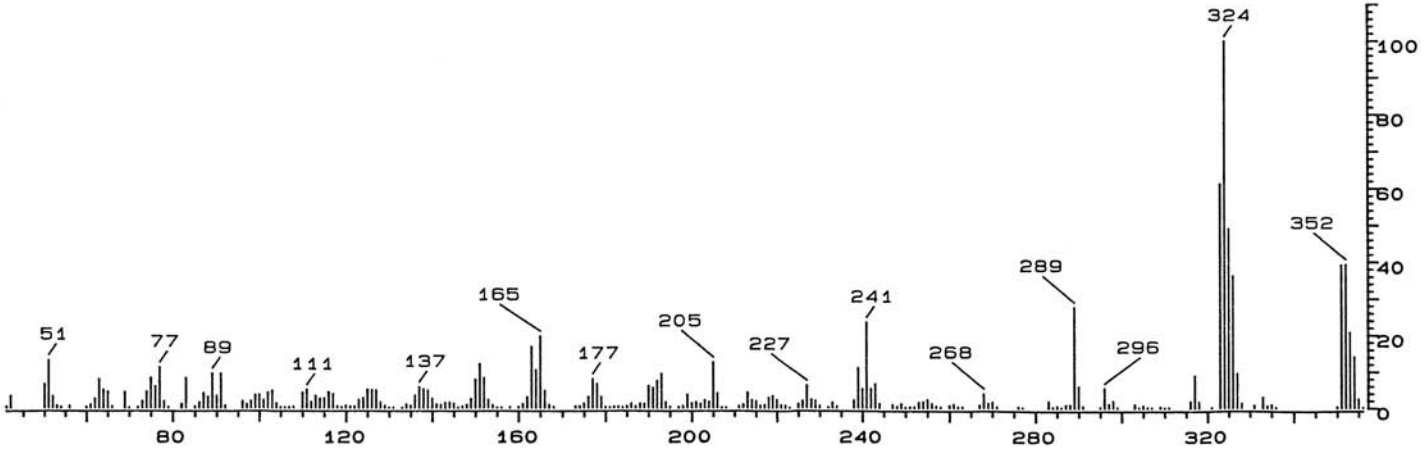
Molecular weight: 352.75 (352.06)
Synonyms: 7-Chloro-1,3-dihydro-5-phenyl-1-(2,2,2-trifluoroethyl)-2H-1,4-benzodiazepin-2-one
Trade names: Paxipam

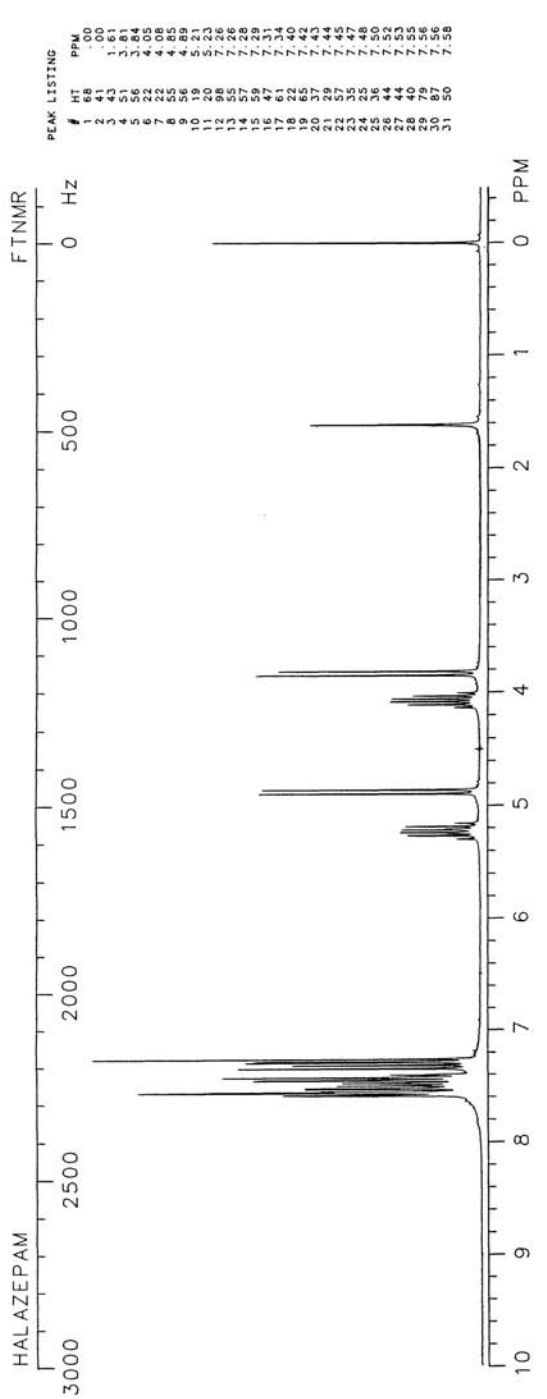
Use: Tranquilizer
HPLC: Si-10; 1A:99B; 4.0
GC: 2296; 250°C

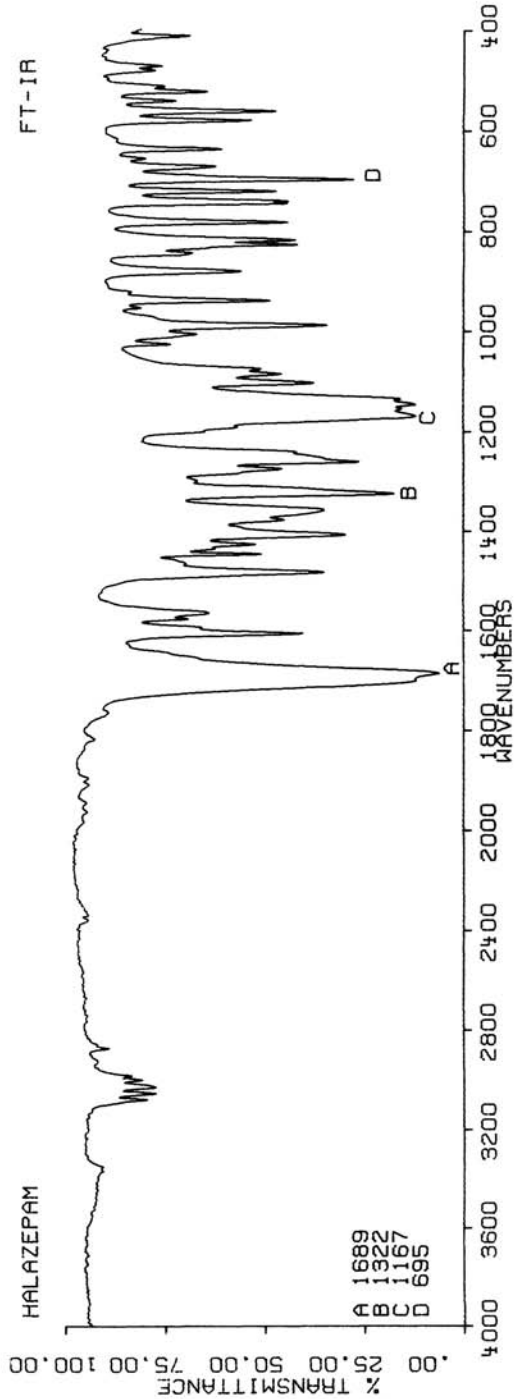




HALAZEPAM




HALAZEPAM
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 68 .00
2 41 .00
3 43 1.61
4 51 3.81
5 56 3.84
6 22 4.05
7 22 4.08
8 55 4.85
9 56 4.89
10 19 5.21
11 20 5.23
12 88 7.26
13 55 7.26
14 57 7.28
15 59 7.29
16 47 7.31
17 61 7.34
18 22 7.40
19 55 7.42
20 37 7.43
21 29 7.44
22 57 7.45
23 35 7.47
24 25 7.48
25 36 7.50
26 44 7.52
27 44 7.53
28 40 7.55
29 79 7.56
30 87 7.56
31 50 7.58

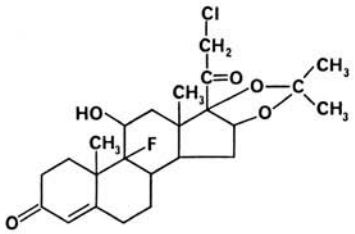

HALAZEPAM
FT-IR
A 1689
B 1322
C 1167
D 695
A
B
C
D
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
.00 25.00 50.00 75.00 100.00
% TRANSMITTANCE

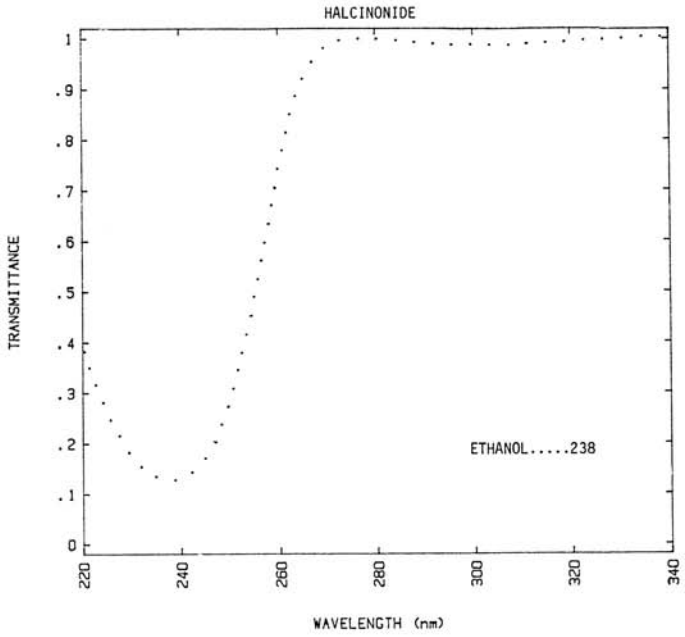
HALCINONIDE

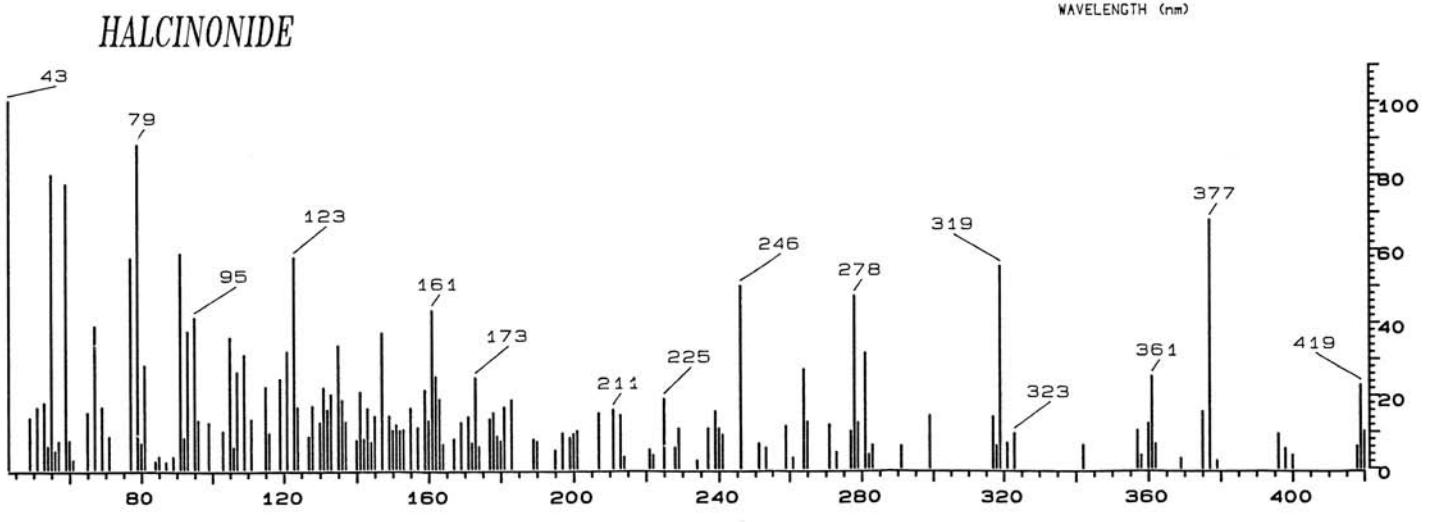
$C_{24}H_{32}ClFO_5$

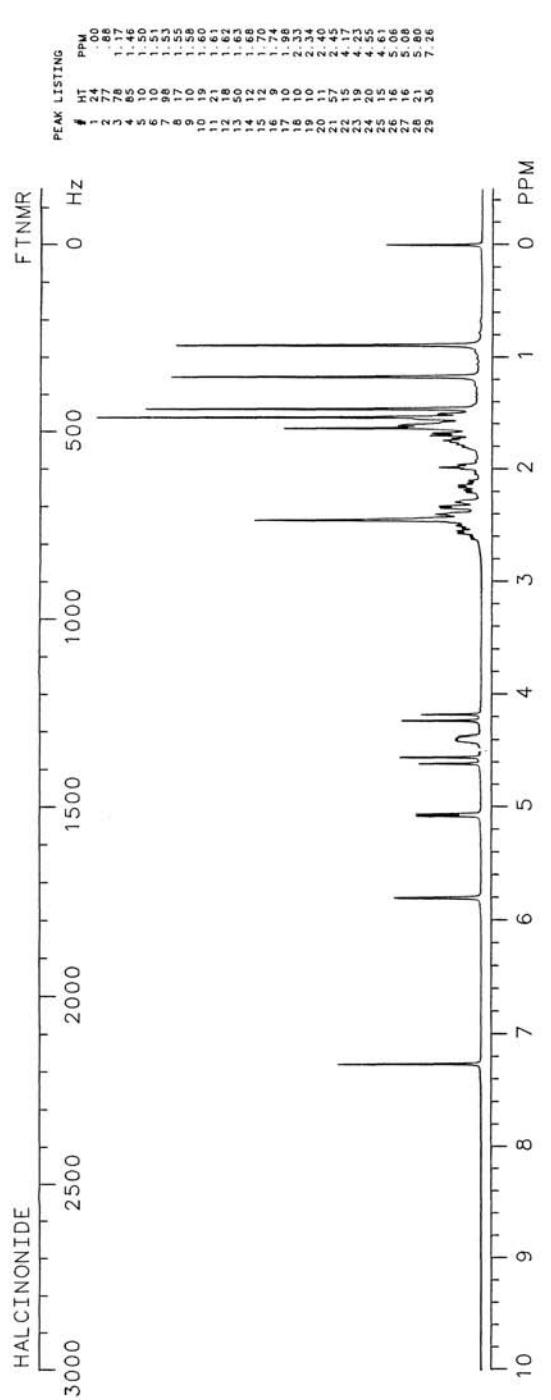
Molecular weight: 454.97 (454.19)
Synonyms: 21-Chloro-9-fluoro-11β-hydroxy-16α-17-[(1-methylethylidene)bis-(oxy)]pregn-4-ene-3,20-dione
Trade names: Halcidern, Halcimat, Halog, Halog-E

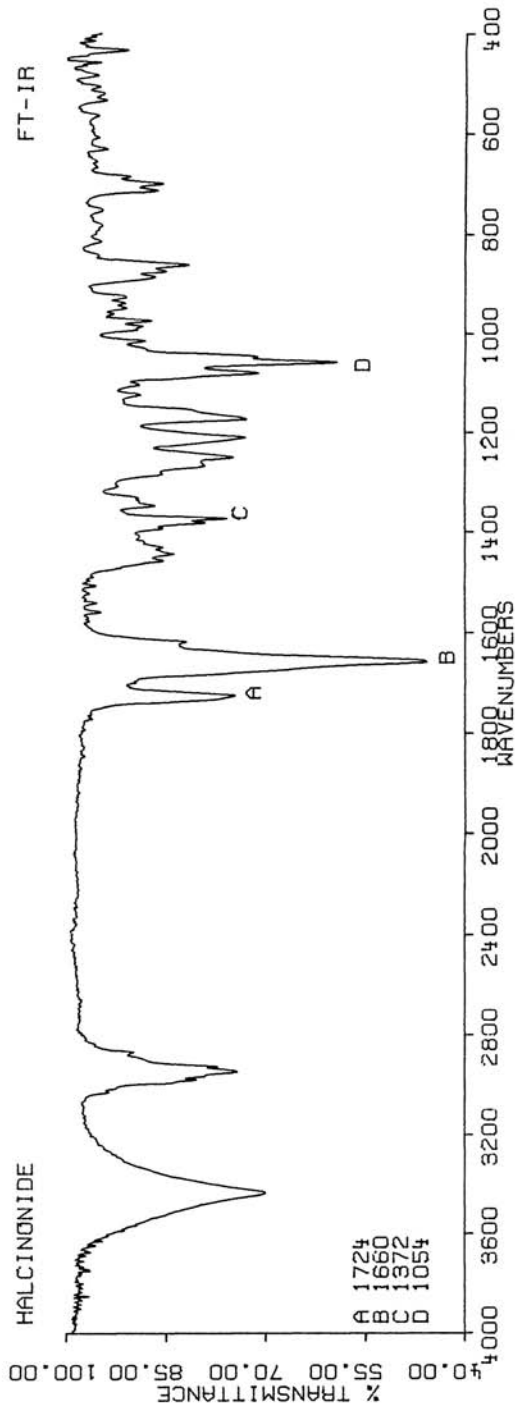
Use: Topical anti-inflammatory
HPLC:
GC: 3323; 280°C








HALCINONIDE
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 .00
2 27 .88
3 78 1.17
4 85 1.46
5 10 1.50
6 10 1.51
7 98 1.53
8 17 1.55
9 10 1.58
10 19 1.60
11 21 1.61
12 18 1.62
13 50 1.63
14 12 1.68
15 12 1.70
16 9 1.74
17 10 1.98
18 10 2.33
19 10 2.34
20 11 2.40
21 57 2.45
22 15 4.17
23 19 4.25
24 20 4.55
25 15 4.61
26 16 5.06
27 16 5.08
28 21 5.80
29 36 7.26

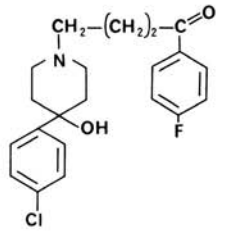

FT-IR
HALCINONIDE
% TRANSMITTANCE
0.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D
A 1724
B 1660
C 1372
D 1054

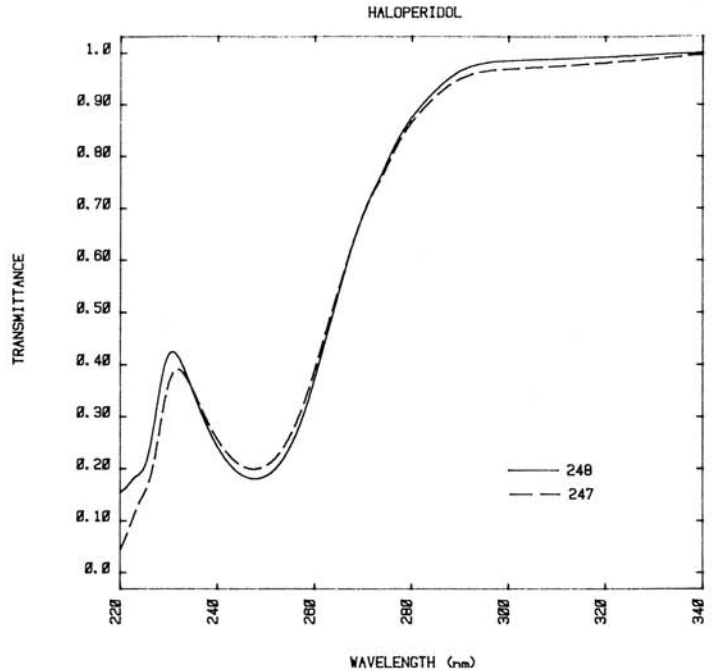
HALOPERIDOL

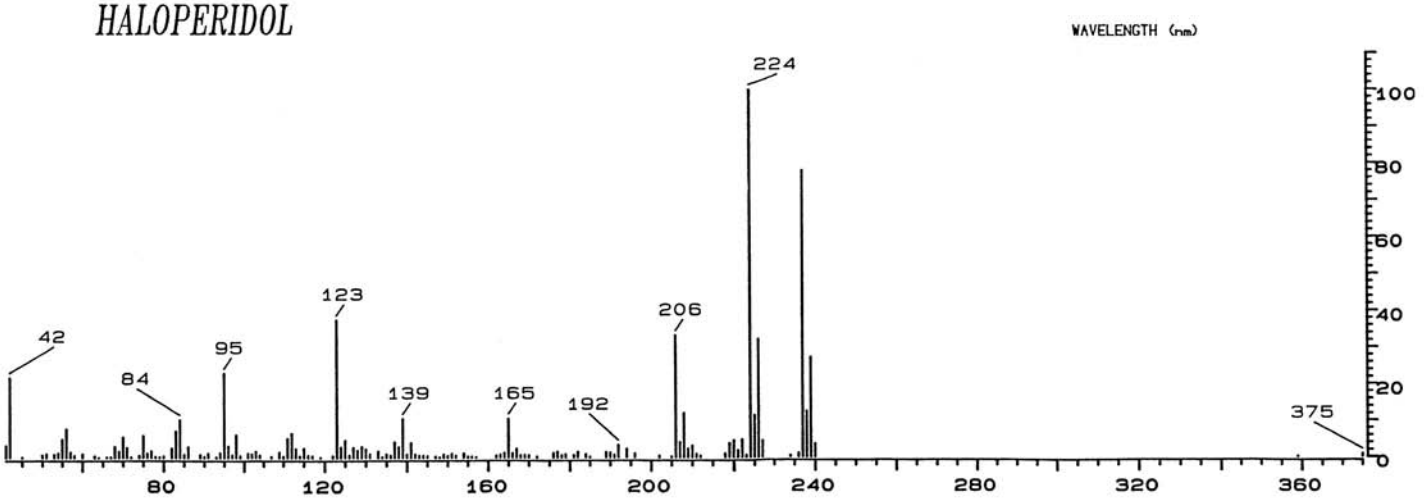
$C_{21}H_{23}ClFNO_2$

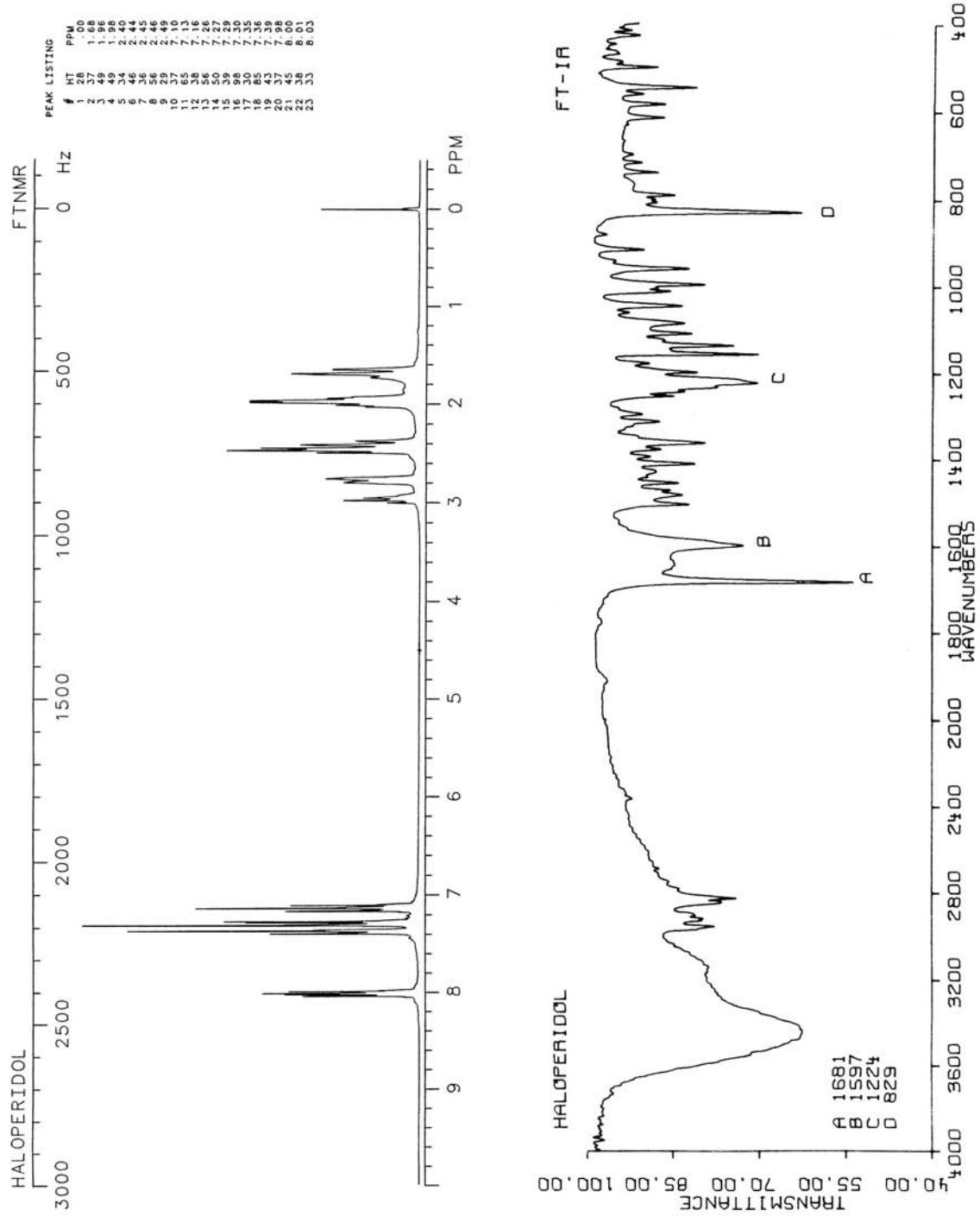
Molecular weight: 375.87 (375.14)
Synonyms: 4-[4-(4-Chlorophenyl)-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone
Trade names: Haldol

Use: Tranquilizer
HPLC: Si-10; 5A:95B; 5.0
GC: 3018; 280°C








HALOPERIDOL
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 28 1.00
2 37 1.68
3 49 1.96
4 49 1.98
5 34 2.40
6 46 2.44
7 36 2.45
8 56 2.46
9 29 2.49
10 37 7.10
11 65 7.13
12 38 7.16
13 56 7.26
14 50 7.27
15 39 7.29
16 98 7.30
17 30 7.35
18 85 7.36
19 43 7.39
20 37 7.98
21 45 8.00
22 38 8.01
23 33 8.03
HALOPERIDOL
FT-IR
A 1681
B 1597
C 1224
D 829
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

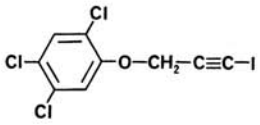
HALOPROGIN

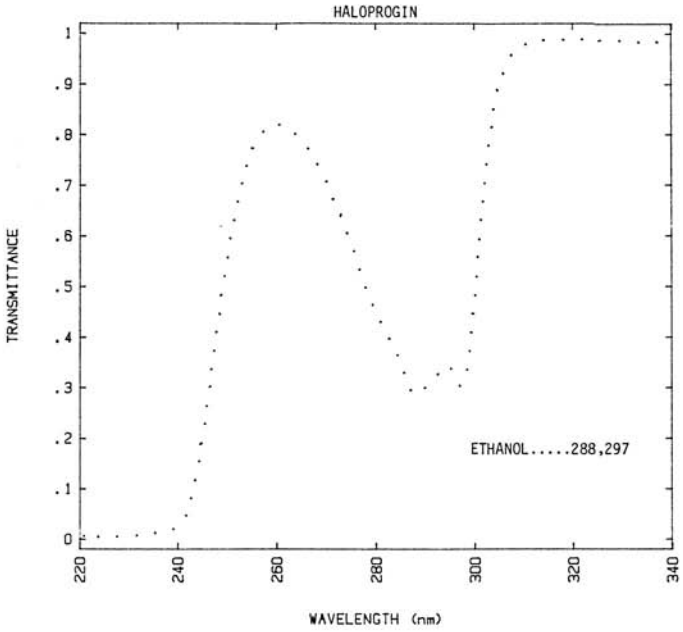
$C_9H_4Cl_3IO$

Molecular weight: 361.41 (359.84)
Synonyms: 3-Iodo-2-propynyl-2,4,5-trichlorophenyl ether

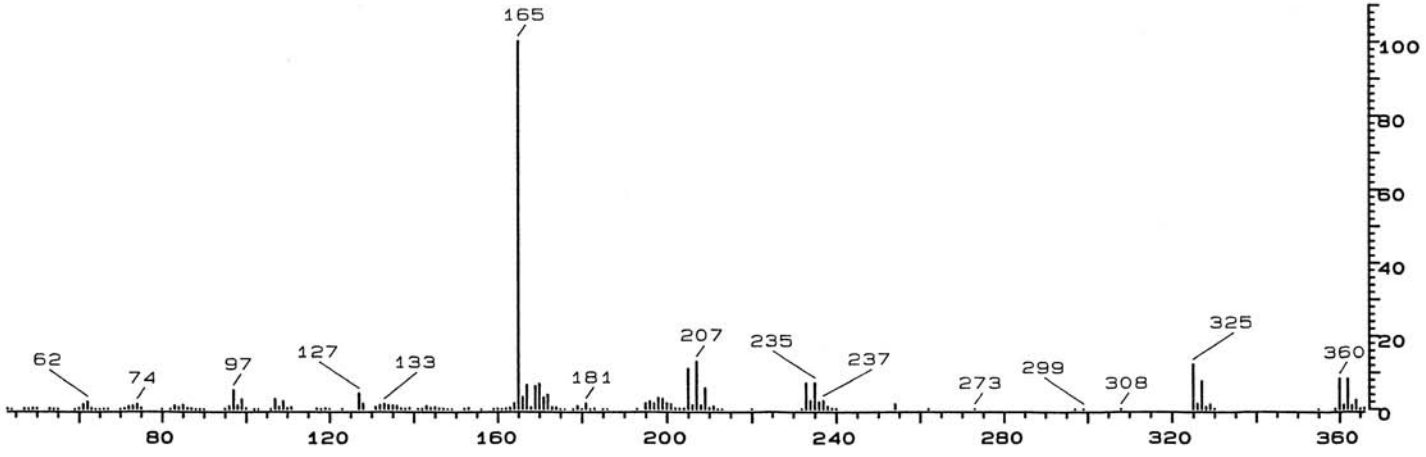
Trade names: Halotex

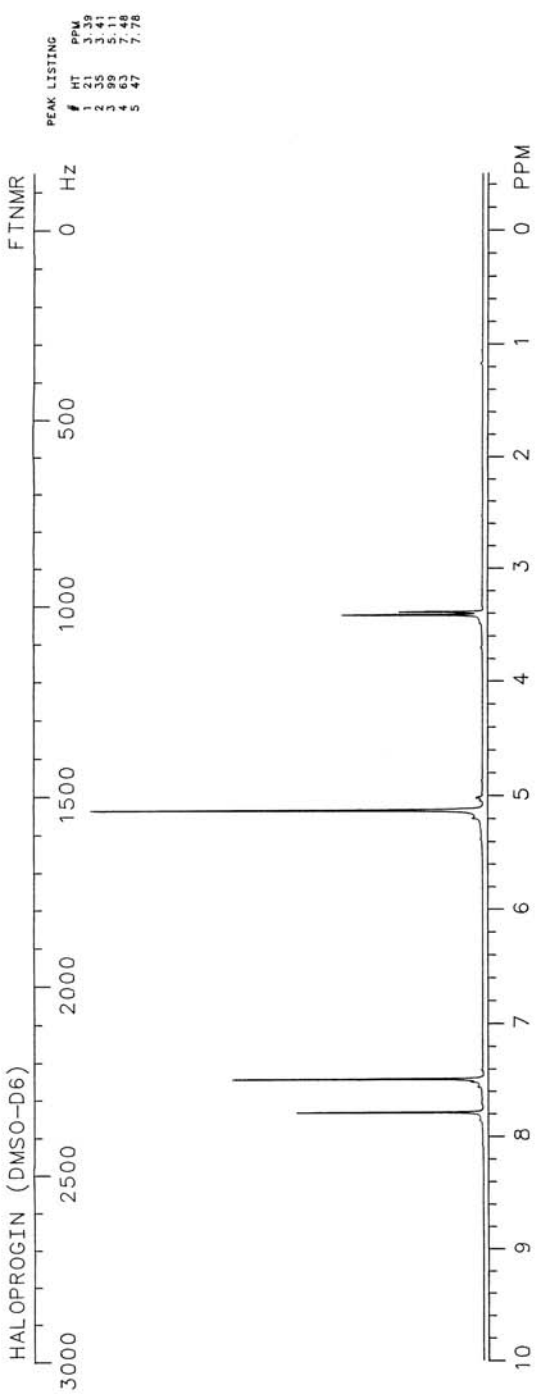
Use: Antibacterial
HPLC:
GC:

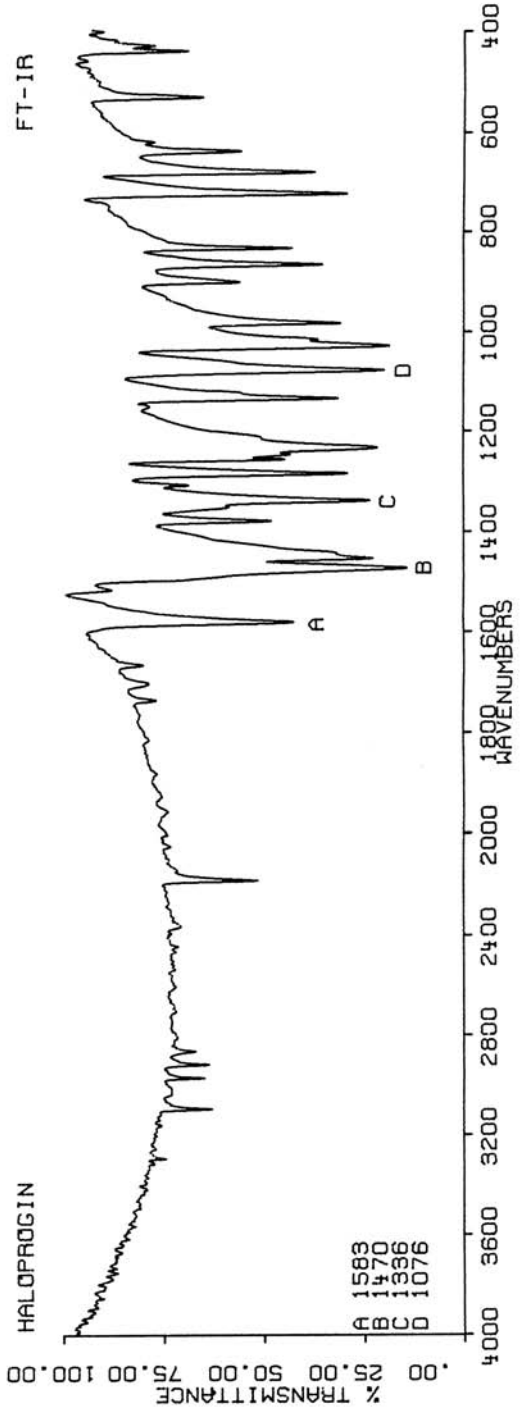




HALOPROGIN



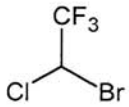

HALOPROGIN (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 21 3.39
2 35 3.41
3 89 5.11
4 63 7.48
5 47 7.78

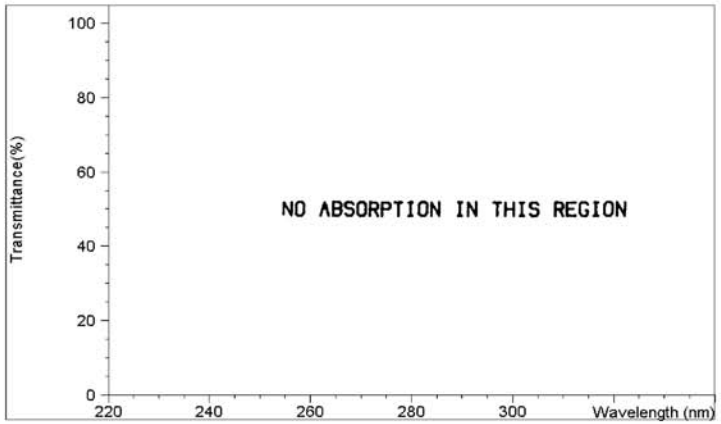

HALOPROGIN
FT-IR
A 1583
B 1470
C 1336
D 1076
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

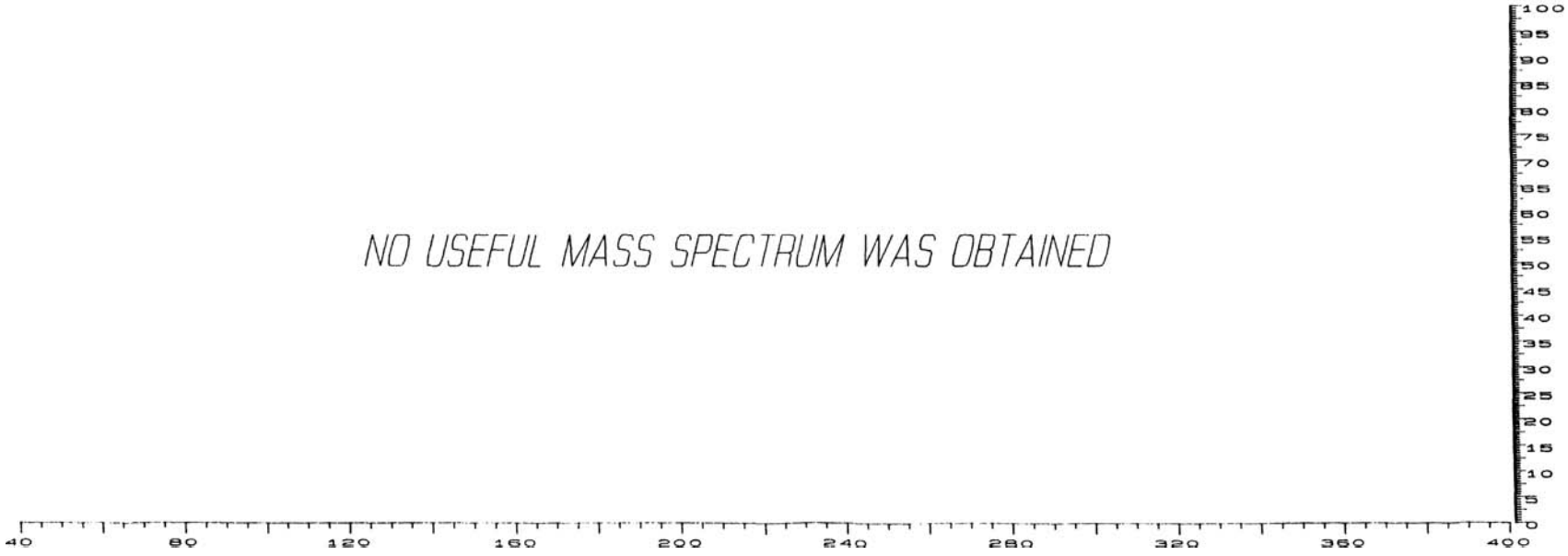
HALOTHANE

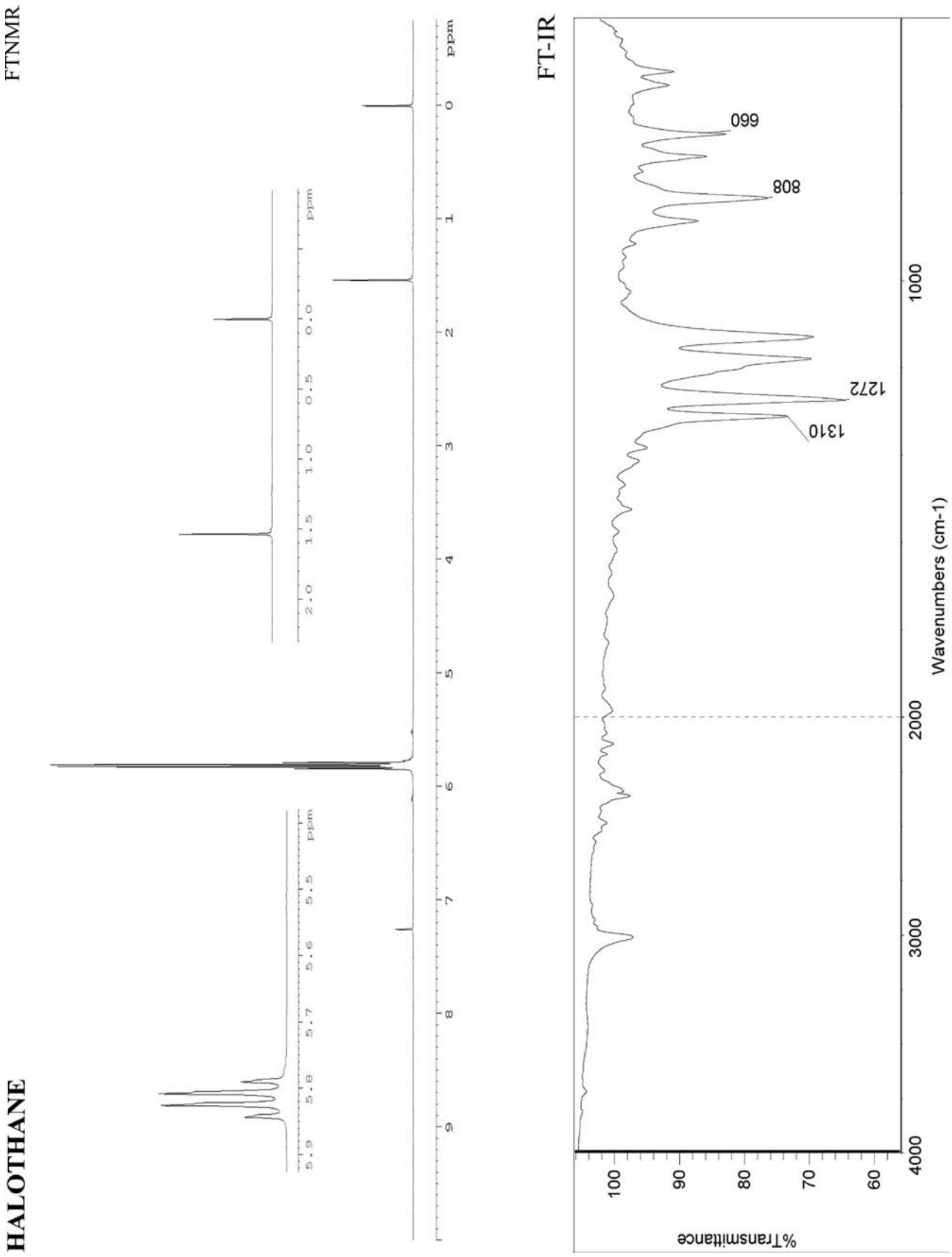
$C_2HBrClF_3$

Molecular Weight: 197.38 (195.89)
Synonyms: 2-Bromo-2-chloro-1,1,1-trifluoroethane: bromochlorotrifluoroethane
Trade names: Fluothane, Rhodialothan
Use: Anesthetic (inhalation)








HALOTHANE
FTNMR
ppm
FT-IR
%Transmittance
Wavenumbers (cm-1)
660
808
1272
1310

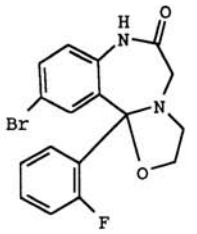
HALOXAZOLAM

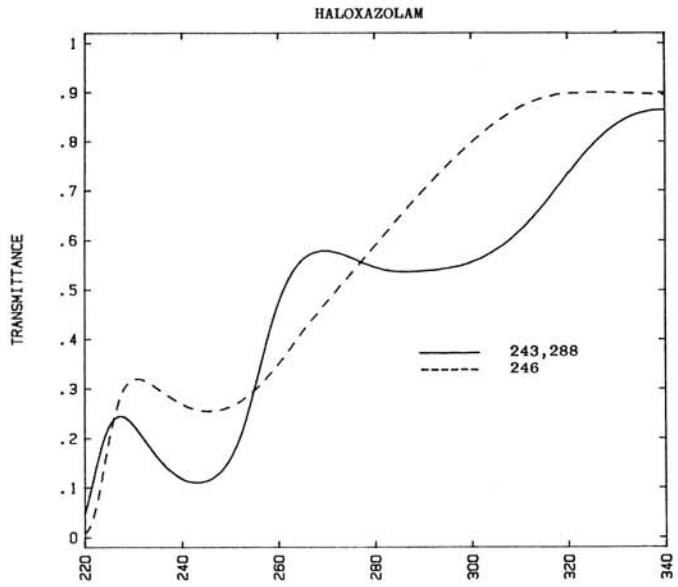
$C_{17}H_{14}BrFN_2O_2$

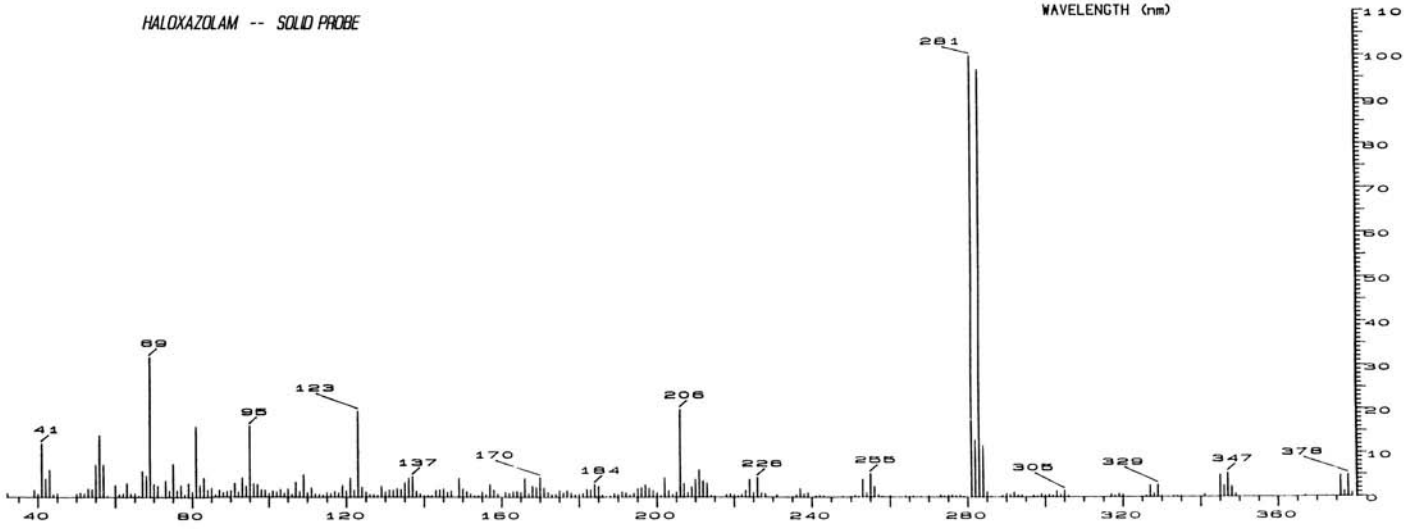
Molecular weight: 377.22 (376.02)

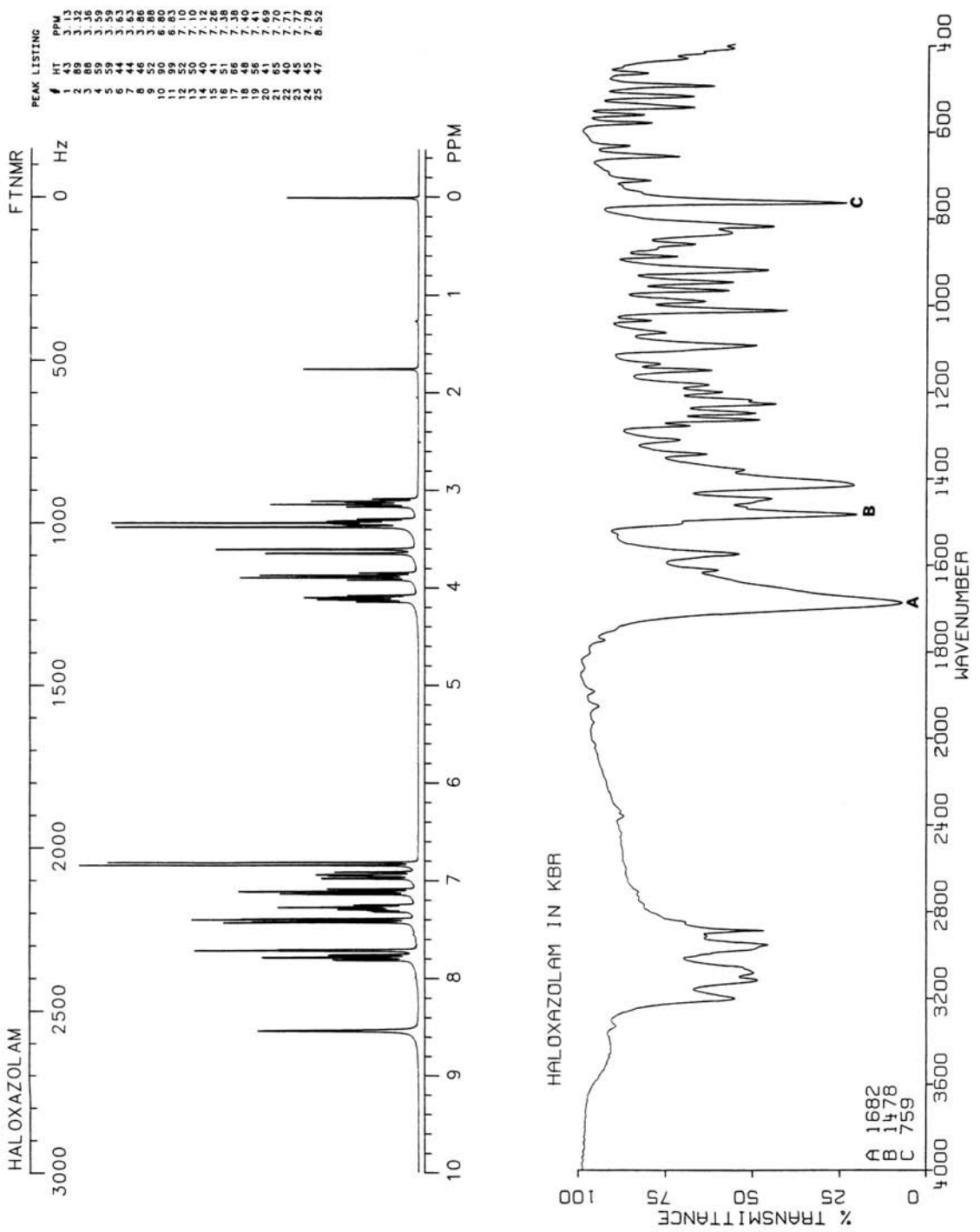
Synonyms: 10-Bromo-11b-(2-fluorophenyl)-2,3,7,11b-tetrahydro-oxazolol-[3,2-d][1,4]benzodiazepin-6(5H)-one
Trade names: Somelin

Use: Sedative, hypnotic
HPLC: 70A:30B; 2.4
GC: 2687; 200°







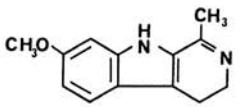

HALOXAZOLAM
FTNMR
PEAK LISTING
HT PPM
1 43 3.13
2 89 3.32
3 88 3.36
4 59 3.59
5 59 3.59
6 59 3.59
7 44 3.63
8 46 3.88
9 52 3.88
10 90 6.80
11 99 6.83
12 52 7.10
13 50 7.12
14 40 7.26
15 41 7.38
16 51 7.38
17 66 7.38
18 48 7.40
19 56 7.41
20 61 7.69
21 65 7.70
22 40 7.71
23 45 7.77
24 45 7.78
25 47 8.52
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
HALOXAZOLAM IN KBR
A 1682
B 1478
C 759
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

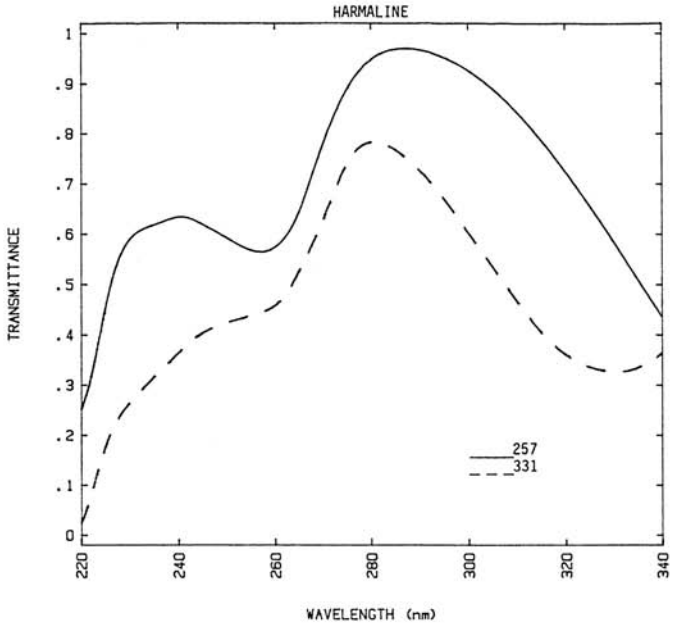
HARMALINE

$C_{13}H_{14}N_2O$

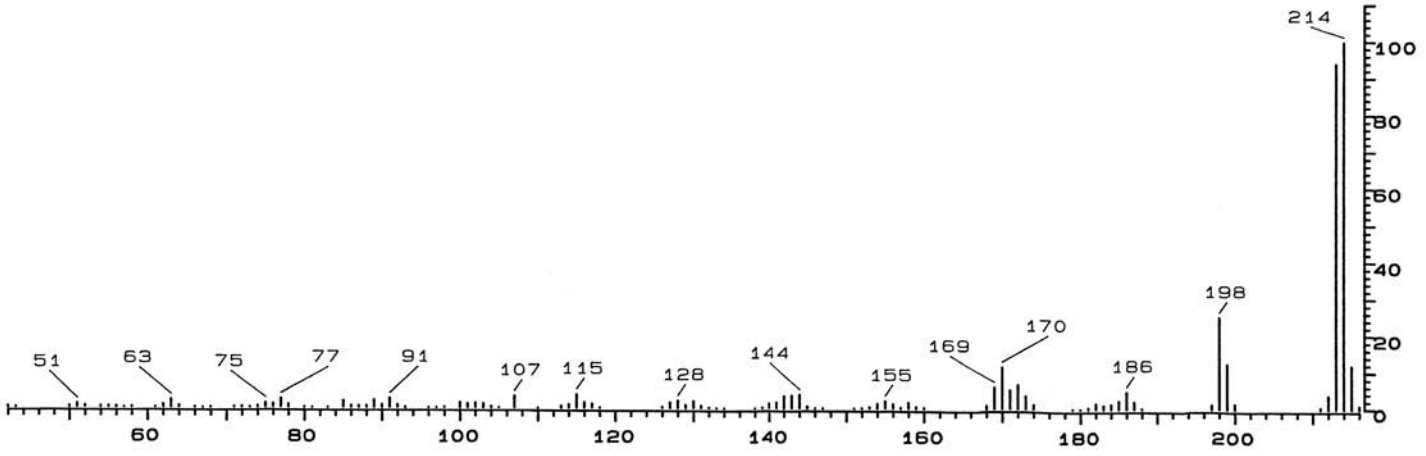
Molecular weight: 214.26 (214.11)
Synonyms: 4,9-Dihdryo-7-methoxy-1-methyl-3H-pyrido[3,4-b]indole; harmidine; 3,4-dihydroharmine
Trade names:

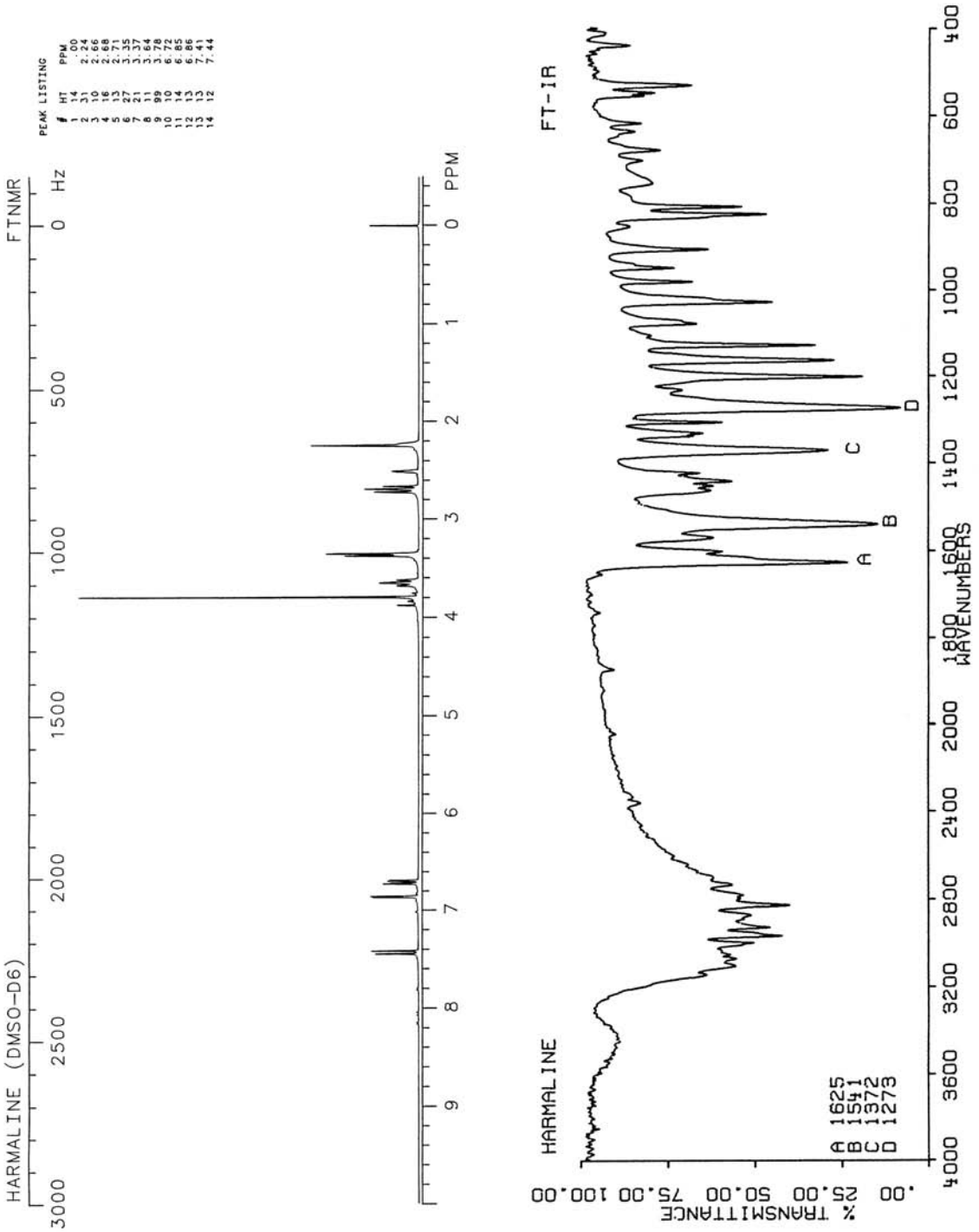
Use: Central stimulant, hallucinogen
HPLC: Si-10; 20A:80B; 4.4
GC: 2287; 250°C





HARMALINE




HARMALINE (DMSO-D6)
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 14 .00
2 31 2.24
3 30 2.26
4 16 2.68
5 13 2.71
6 27 3.35
7 21 3.37
8 11 3.64
9 99 3.78
10 10 3.72
11 14 6.85
12 13 6.86
13 13 7.41
14 12 7.44
HARMALINE
FT-IR
A 1625
B 1541
C 1372
D 1273
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

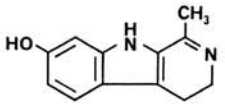
HARMALOL

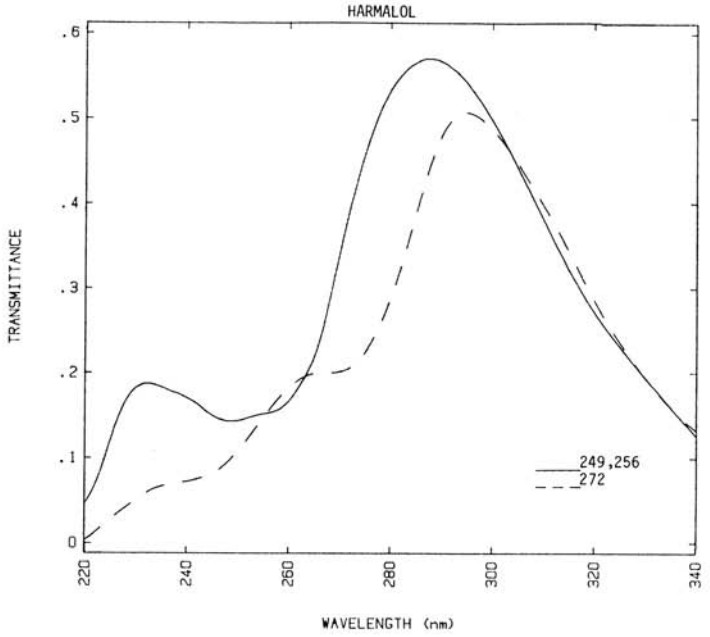
$C_{12}H_{12}N_2O$

Molecular weight: 200.24 (200.10)
Synonyms: 4,9-Dihdyro-1-methyl-3H-pyrido[3,4-b]indol-7-ol

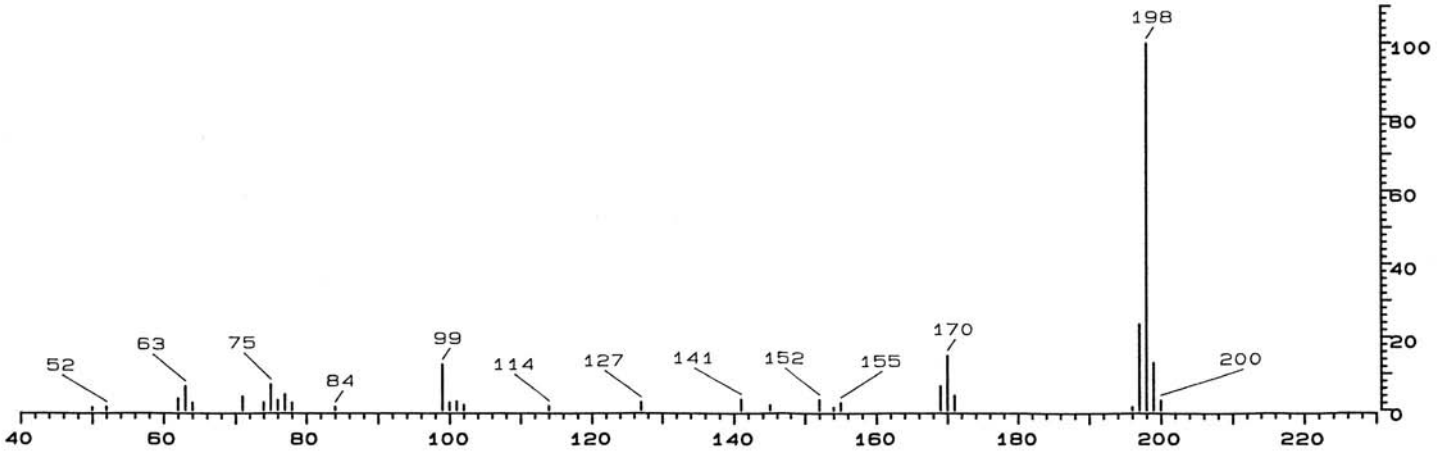
Trade names:

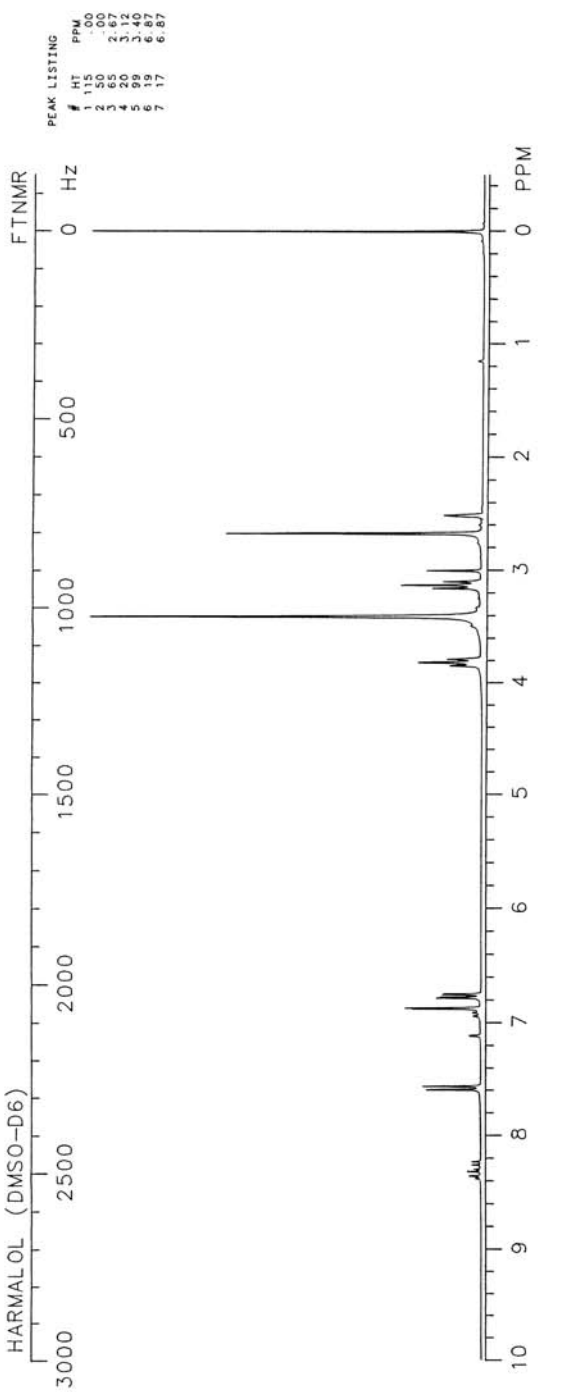
Use: Narcotic, anthelmintic
HPLC: Si-10; 20A:80B; 8.7
GC:

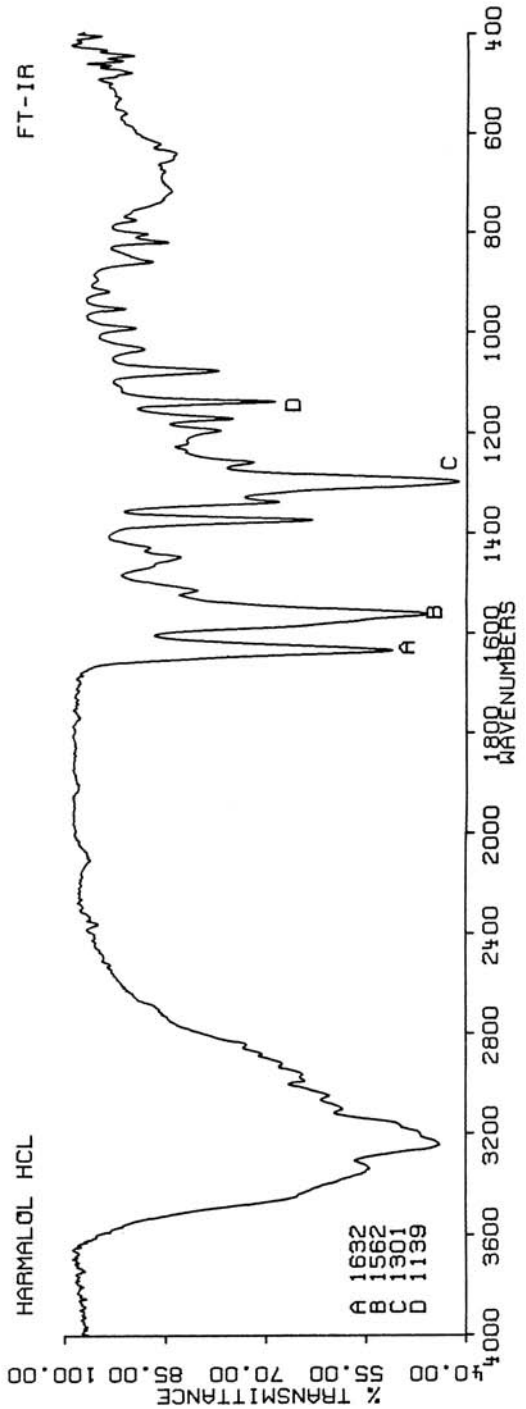




HARMALOL




HARMALOL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 115 .00
2 50 .00
3 65 3.67
4 20 3.12
5 99 3.40
6 19 6.87
7 17 6.87
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

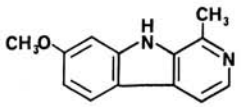

HARMALOL HCL
FT-IR
A 1632
B 1562
C 1301
D 1139
% TRANSMITTANCE
40.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

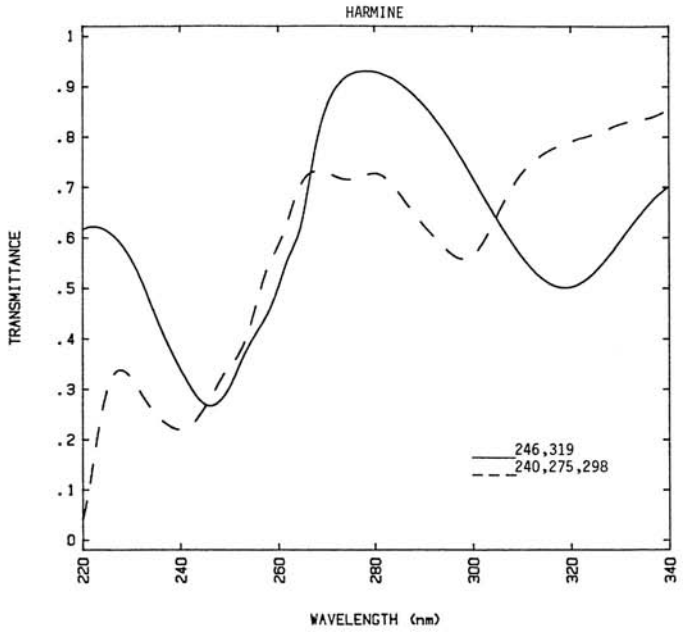
HARMINE

$C_{13}H_{12}N_2O$

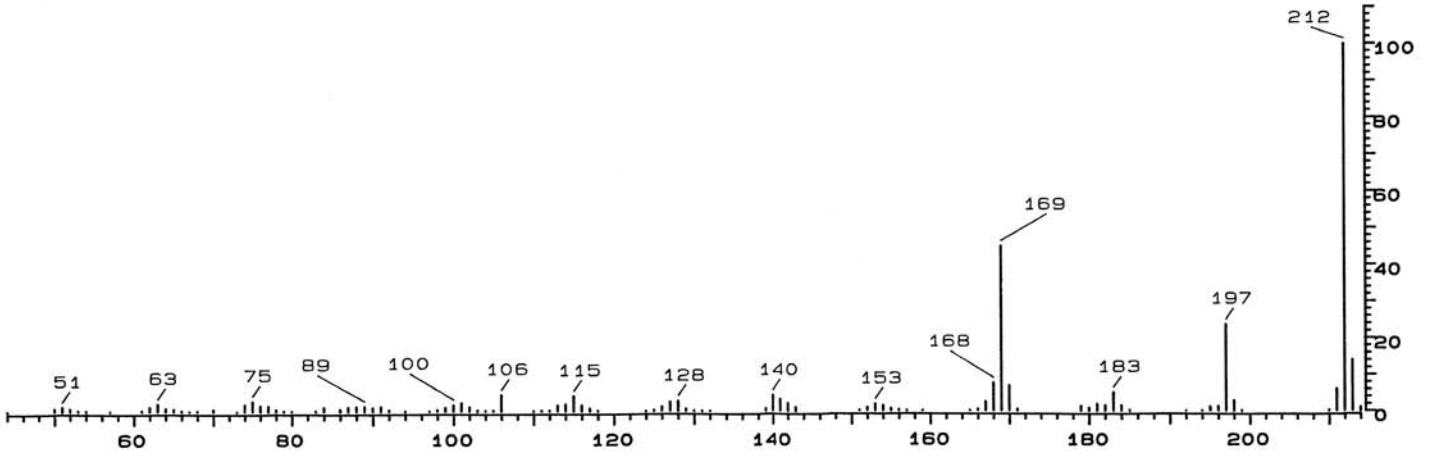
Molecular weight: 212.25 (212.10)
Synonyms: 7-Methoxy-1-methyl-9H-pyrido[3,4-b]indole; bainisterine; yageine; telepathine; leucoharmine
Trade names:

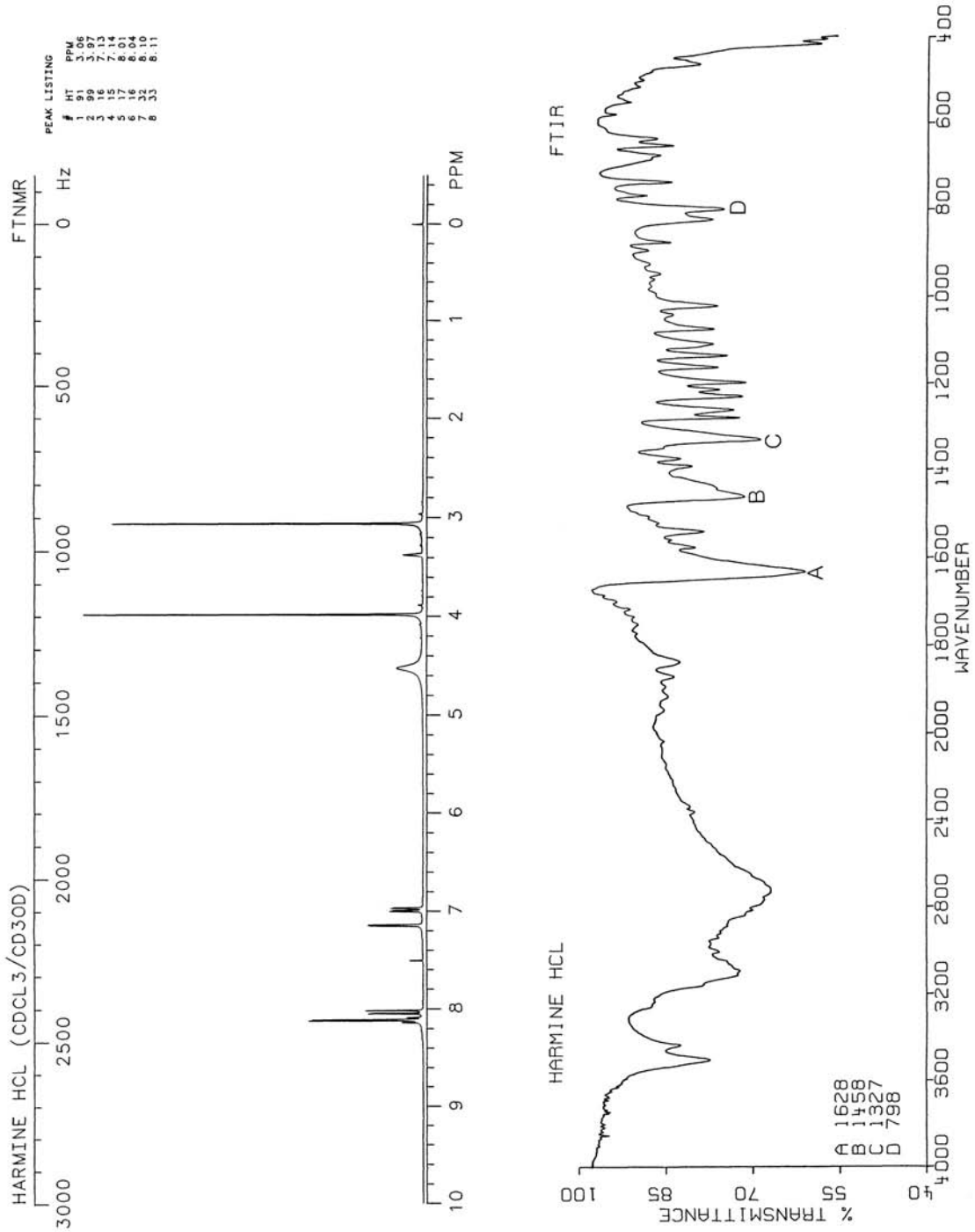
Use: Hallucinogen
HPLC: Si-10; 2A:98B; 11.0
GC: 2284; 250°C





HARMINE




HARMINE 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 91 3.96
2 99 3.97
3 16 7.13
4 15 7.14
5 17 8.01
6 16 8.04
7 32 8.10
8 33 8.11
HARMINE HCL
FTIR
A 1628
B 1458
C 1327
D 798
100 85 70 55 40
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D

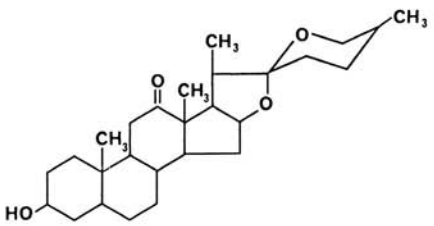
HECOGENIN

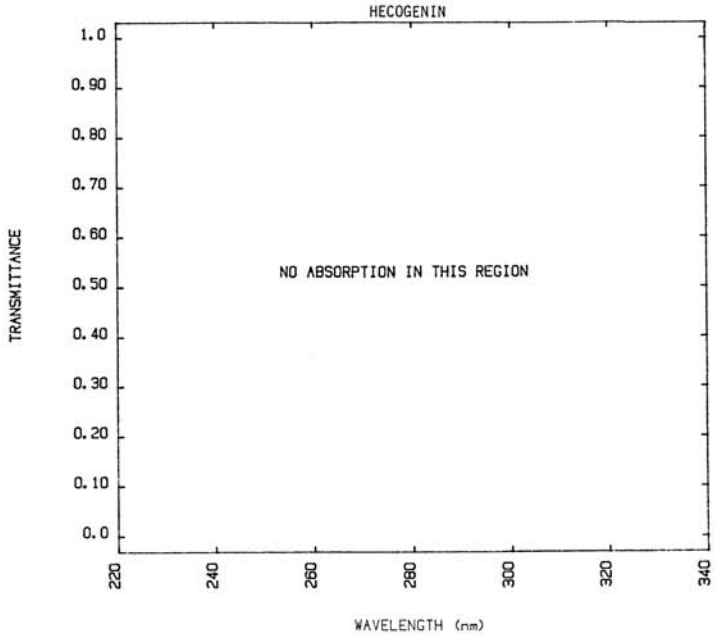
$C_{27}H_{42}O_4$

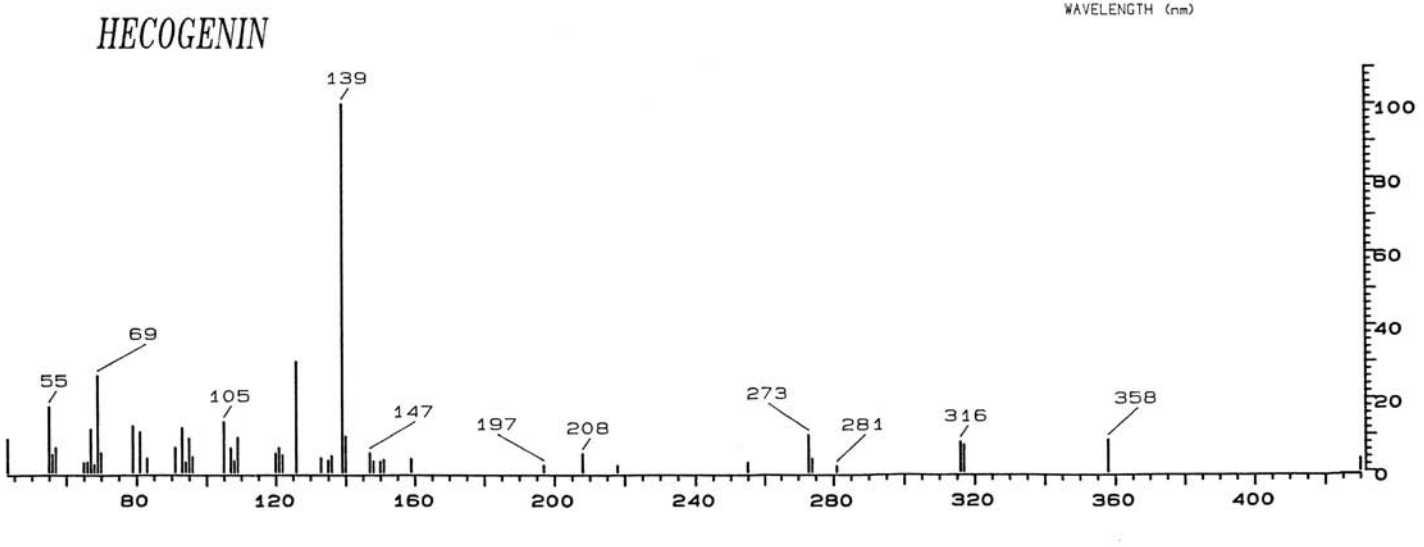
Molecular weight: 430.61 (430.31)
Synonyms: (25R)-3β-Hydroxy-5α-spirostan-12-one

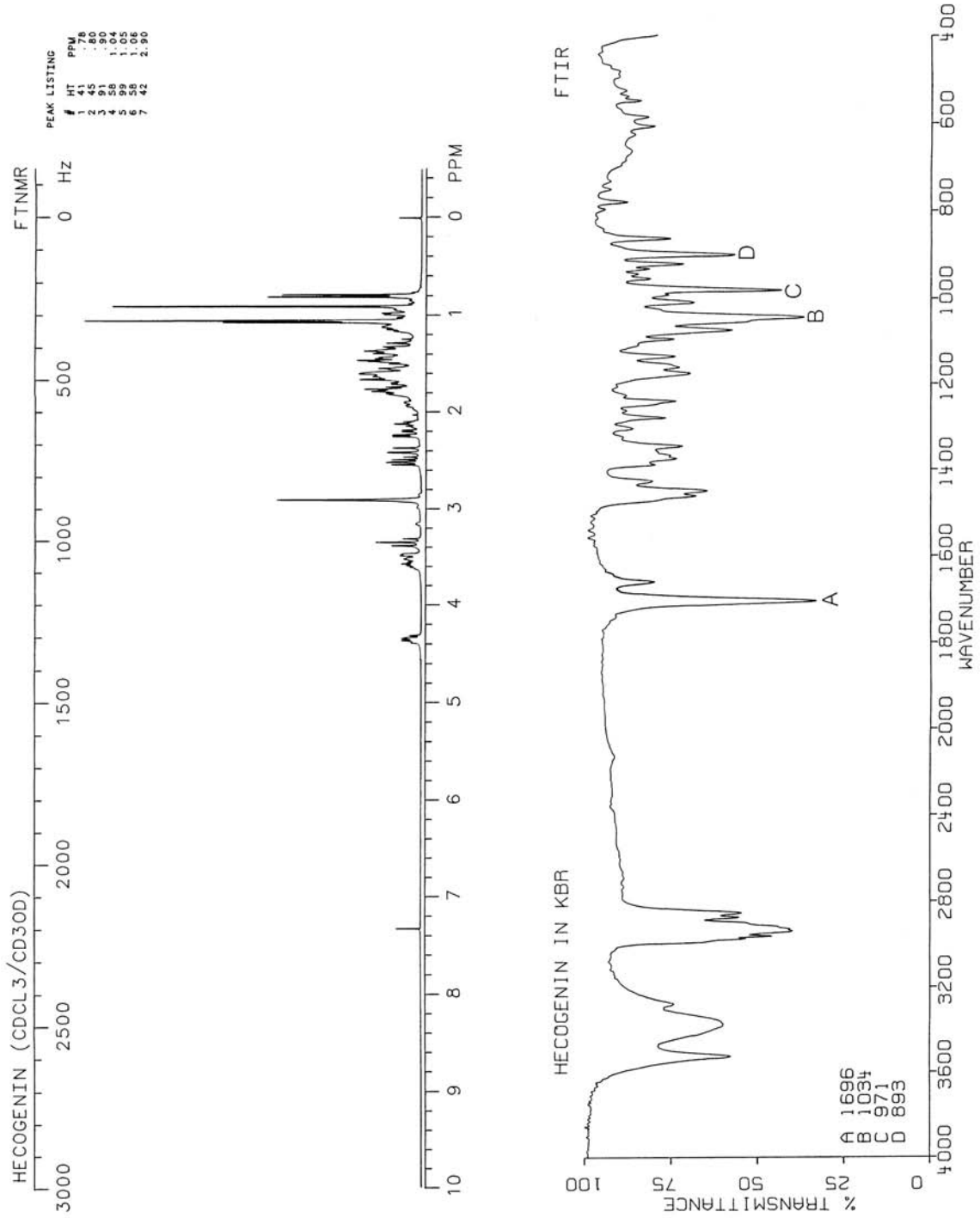
Trade names:

Use: Steroidal hormone
HPLC:
GC: 3350; 280°C







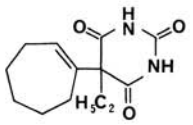

HECOGENIN (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 41 .78
2 45 .80
3 91 .90
4 58 1.04
5 99 1.05
6 58 1.06
7 42 2.90
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
HECOGENIN IN KBR
FTIR
A 1696
B 1034
C 971
D 893
A
B
C
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

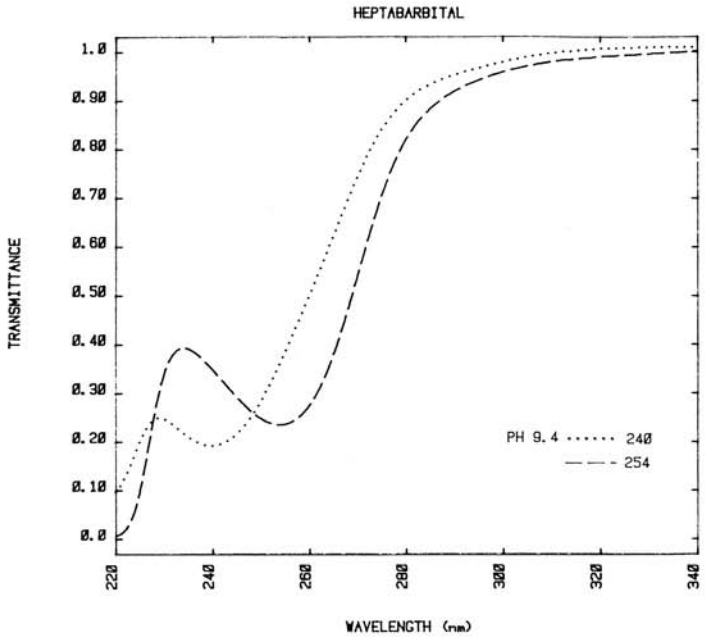
HEPTABARBITAL

$C_{13}H_{18}N_2O_3$

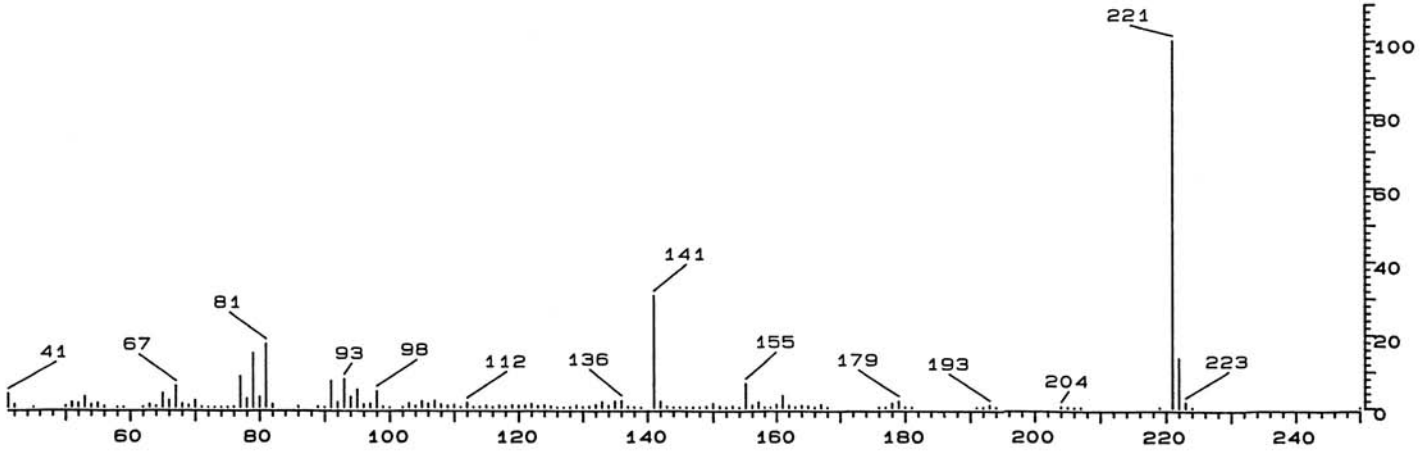
Molecular weight: 250.30 (250.13)
Synonyms: 5-(1-Cyclohepten-1-yl)-5-ethyl-2,4,6(1H,3H,5H)-pyrimidinetrione; 5-ethyl-5-cycloheptenylbarbituric acid
Trade names: Heptadorm, Medomin

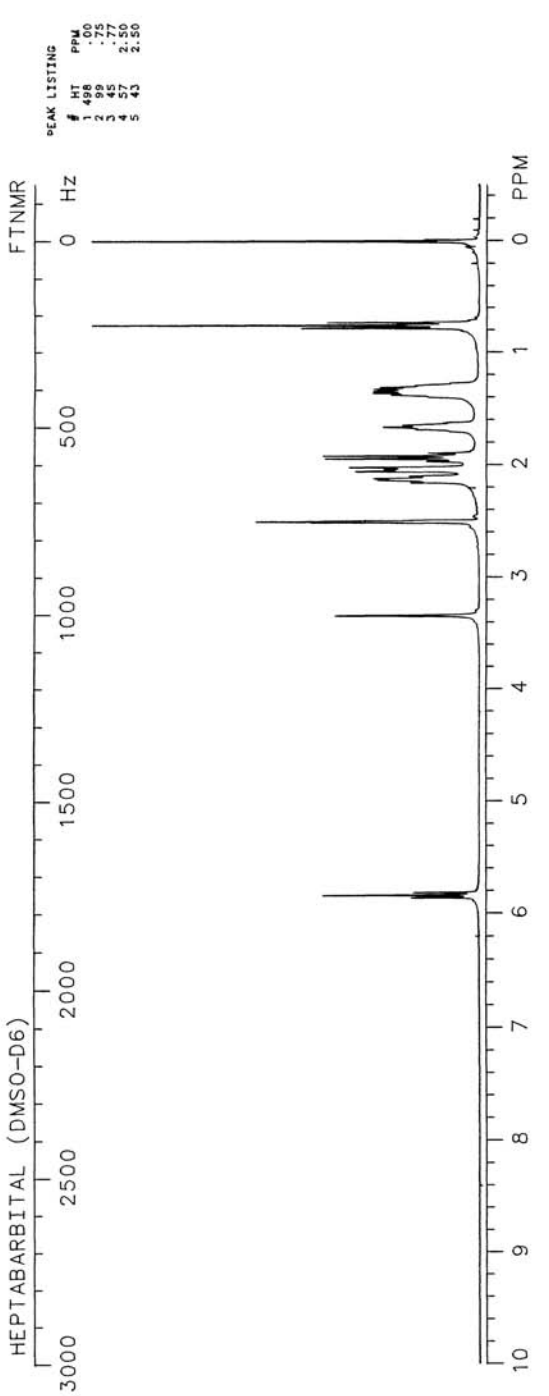
Use: Hypnotic, sedative
HPLC: Si-10; 1A:99B; 5.0
GC: 2122; 250°C

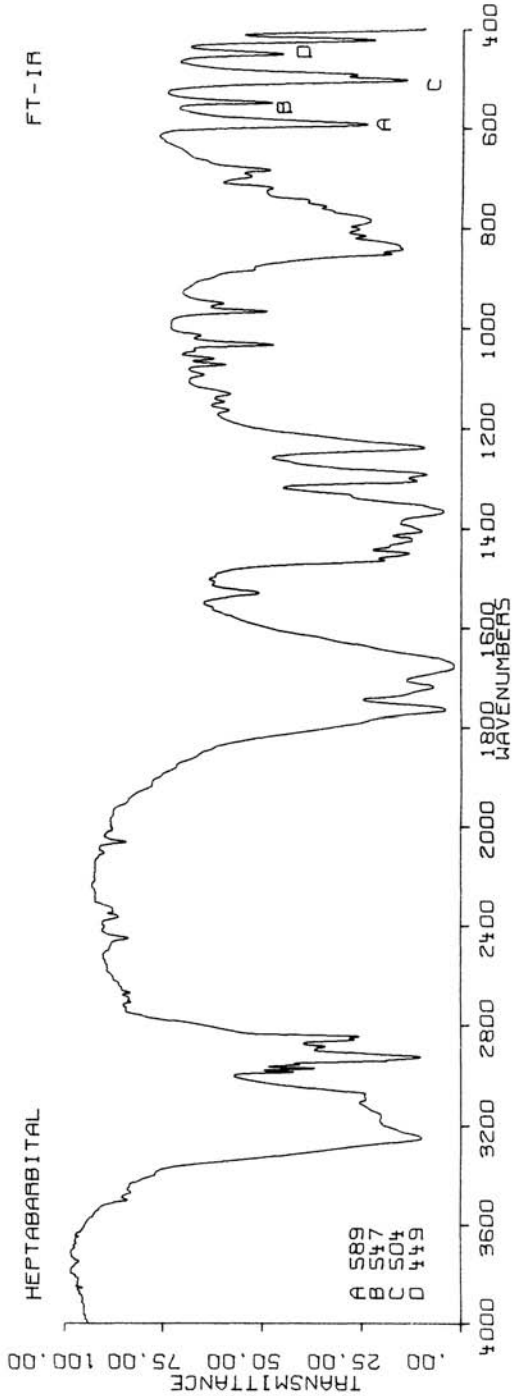




HEPTABARBITAL




FTNMR
HEPTABARBITAL (DMSO-D6)
PEAK LISTING
HT PPM
1 498 .00
2 99 .75
3 45 .77
4 57 2.50
5 43 2.80
0 Hz
500
1000
1500
2000
2500
3000
0 PPM
1
2
3
4
5
6
7
8
9
10

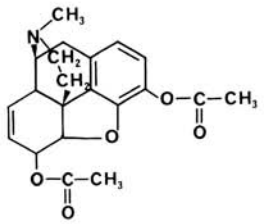

FT-IR
HEPTABARBITAL
A 589
B 547
C 504
D 449
A
B
C
D
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

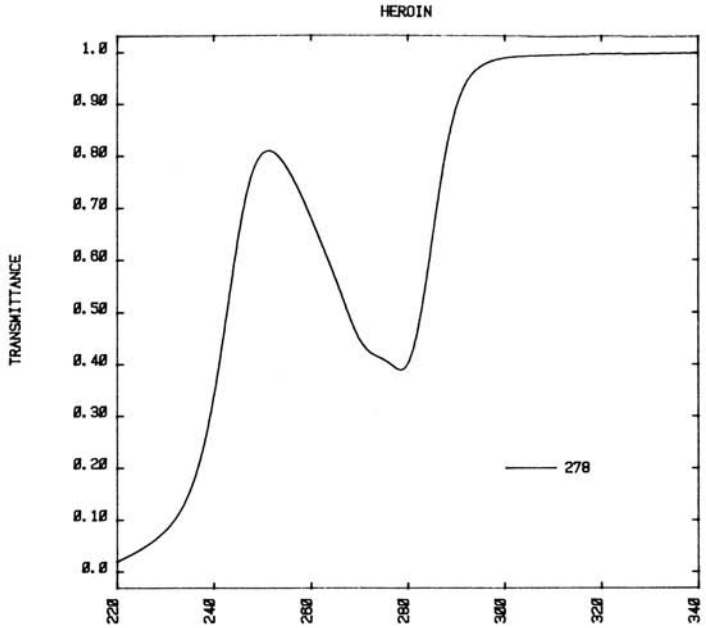
HEROIN

$C_{21}H_{23}NO_5$

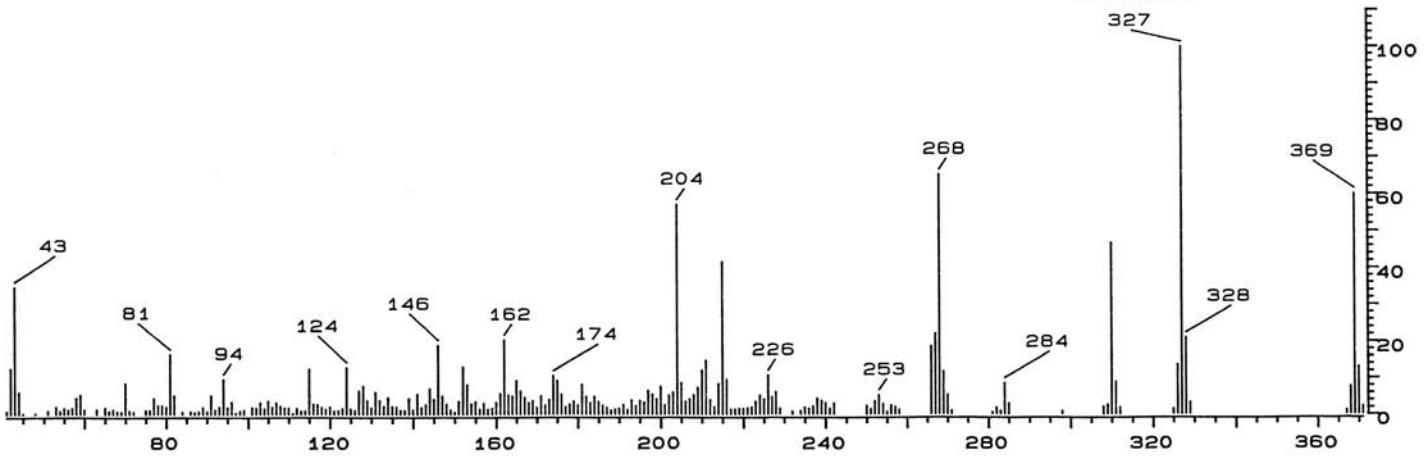
Molecular weight: 369.42 (369.16)
Synonyms: 7,8-Didehydro-4,5α-epoxy-17-methylmorphinan-3,6α-diol diacetate; diamorphine; acetomorphine; diacetylmorphine
Trade names:

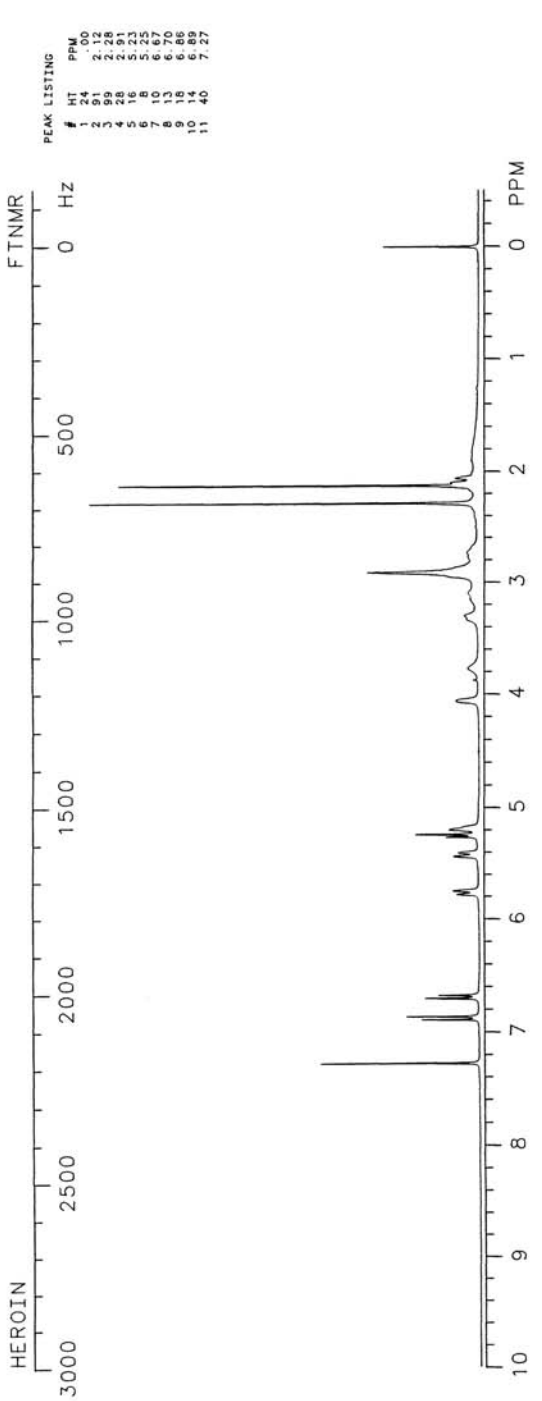
Use: Narcotic analgesic
HPLC: Si-10; 2A:98B; 8.5
GC: 2666; 250°C

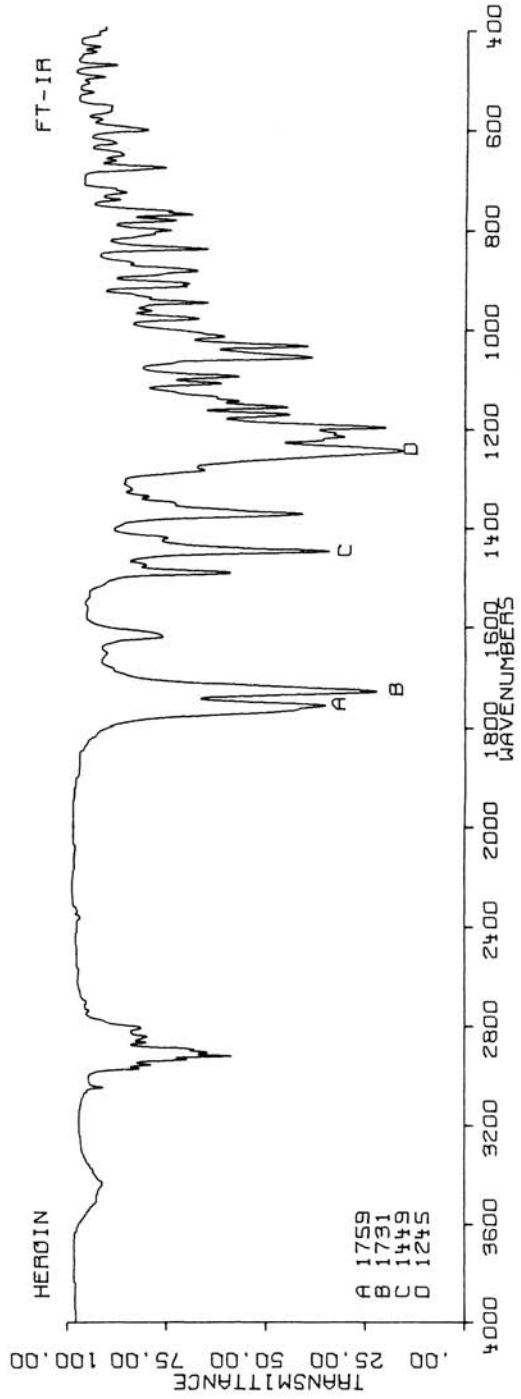




HEROIN



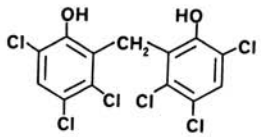

HEROIN
FTNMR
PEAK LISTING
HT PPM
1 24 .00
2 91 2.12
3 99 2.28
4 28 2.61
5 16 5.21
6 8 5.25
7 10 6.67
8 13 6.70
9 18 6.86
10 14 6.89
11 40 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

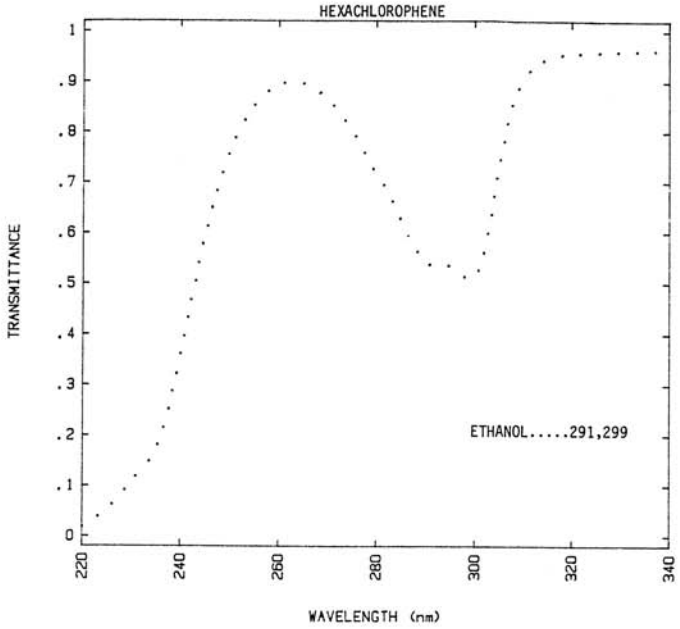

FT-IR
HEROIN
A 1759
B 1731
C 1449
D 1245
TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

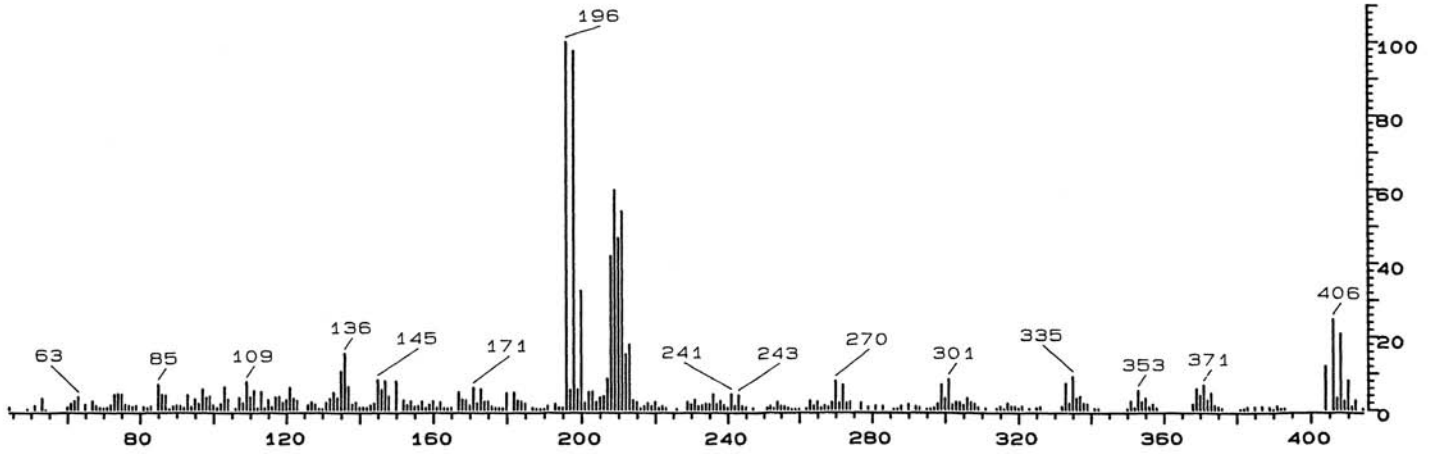
HEXACHLOROPHENE

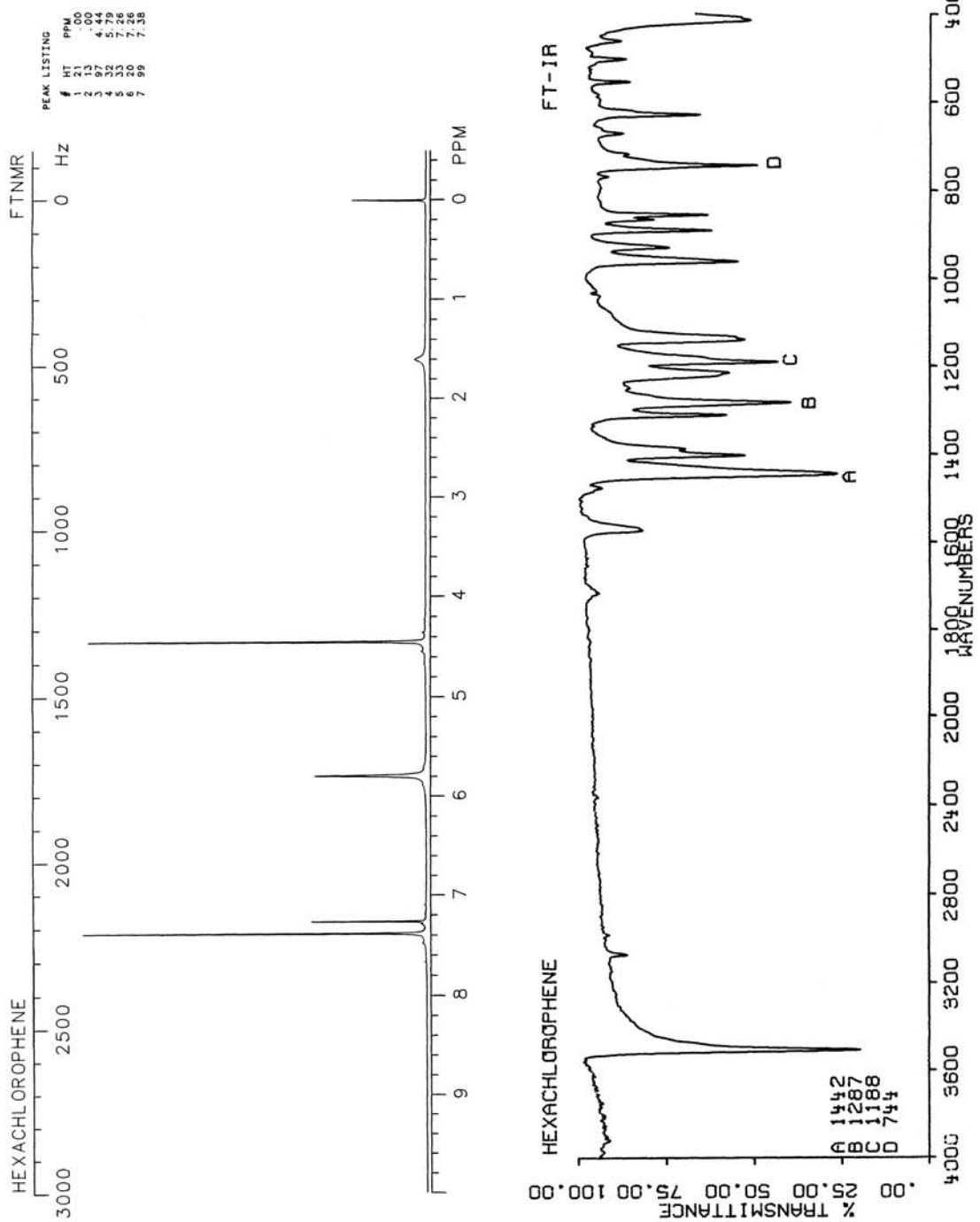
$C_{13}H_6Cl_6O_2$

Molecular weight: 406.92 (403.85)
Synonyms: 2,2'-Methylenebis[3,4,6-trichlorophenol]; hexachlorophane
Trade names: Anacal, Hepadist, Hexaphenyl, Phaisohex, Phisoscrub, pHiso-Hex, Sterzac
Use: Topical anti-infective
HPLC:
GC: 2868; 280°C








HEXACHLOROPHENE
FTNMR
PEAK LISTING
HT PPM
1 21 .00
2 13 .00
3 97 4.44
4 72 5.29
5 33 7.26
6 20 7.26
7 99 7.38
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
HEXACHLOROPHENE
FT-IR
A 1442
B 1287
C 1188
D 744
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

HEXAHYDROCANNABINOL

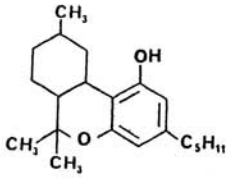
$C_{21}H_{32}O_2$

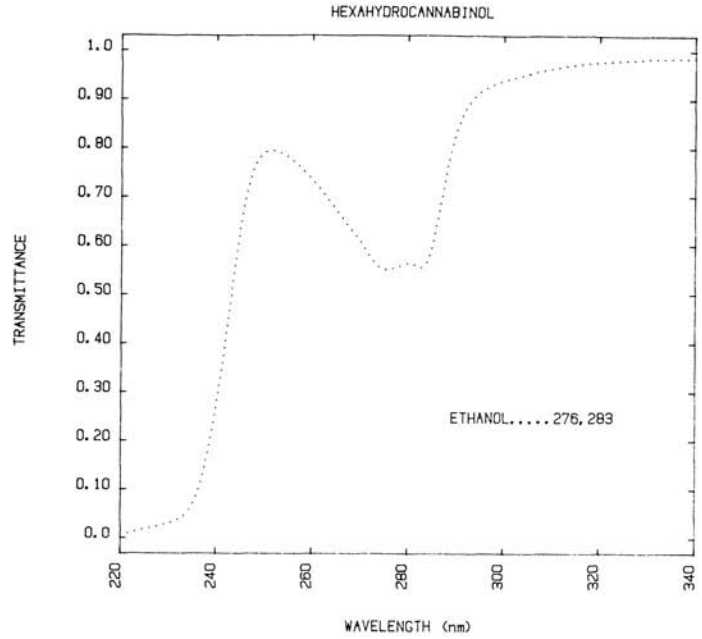
Molecular weight: 316.48 (316.24)

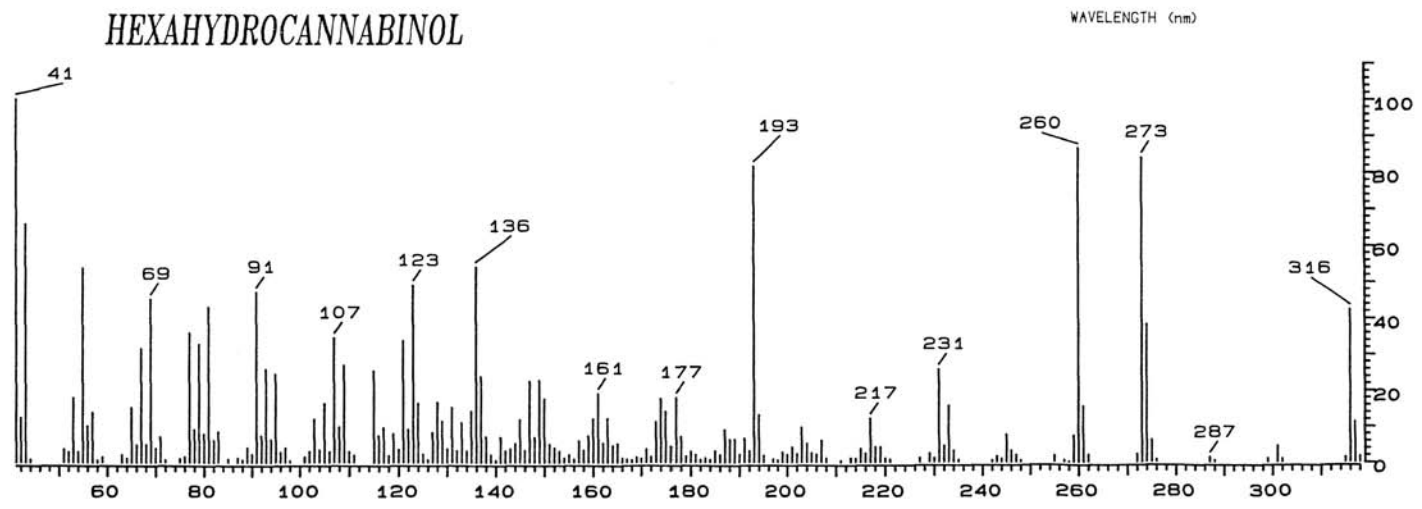
Synonyms: Hexahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d] pyran-1-ol

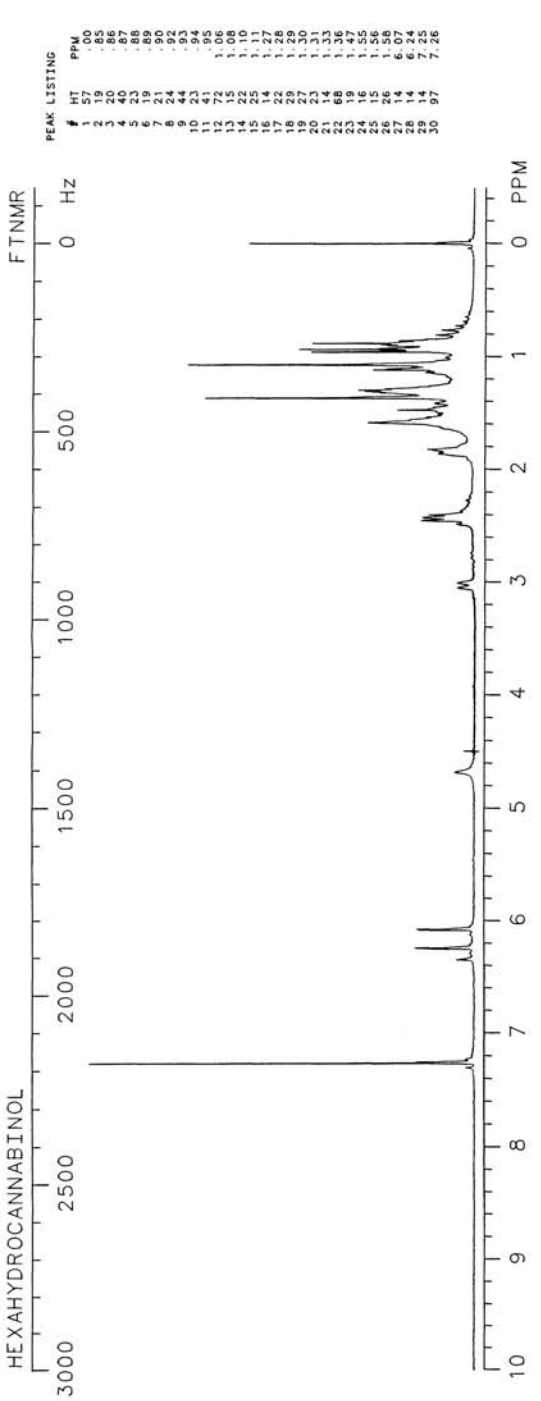
Trade names:

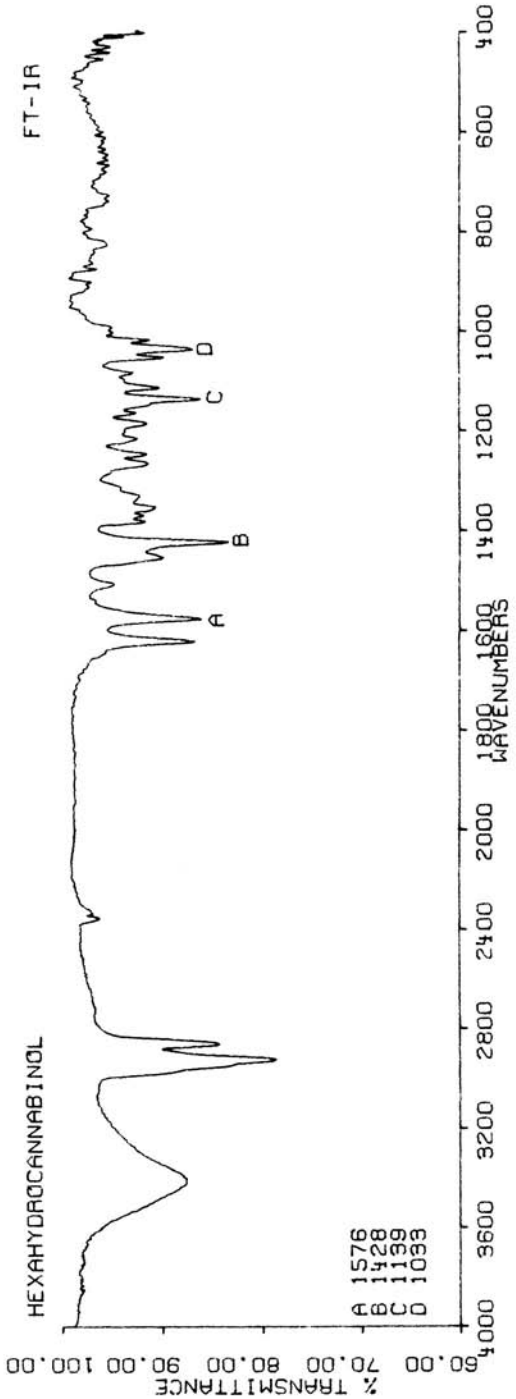
Use:
HPLC:
GC: 2437; 250°C








HEXAHYDROCANNABINOL
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 57 .00
2 19 .85
3 20 .86
4 40 .87
5 23 .88
6 19 .89
7 21 .90
8 24 .92
9 44 .93
10 23 .94
11 41 .95
12 72 1.06
13 15 1.08
14 22 1.10
15 25 1.11
16 14 1.27
17 22 1.28
18 29 1.29
19 27 1.30
20 23 1.31
21 14 1.33
22 68 1.36
23 19 1.47
24 16 1.55
25 15 1.56
26 26 1.58
27 14 6.07
28 14 6.24
29 14 7.25
30 97 7.26

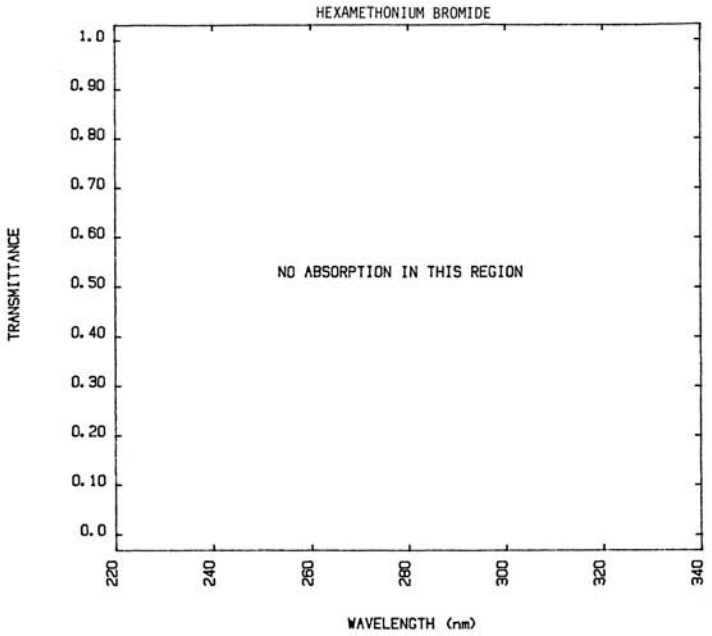

HEXAHYDROCANNABINOL
FT-IR
A
B
C
D
A 1576
B 1428
C 1159
D 1033
% TRANSMITTANCE
60.00 70.00 80.00 90.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

HEXAMETHONIUM BROMIDE

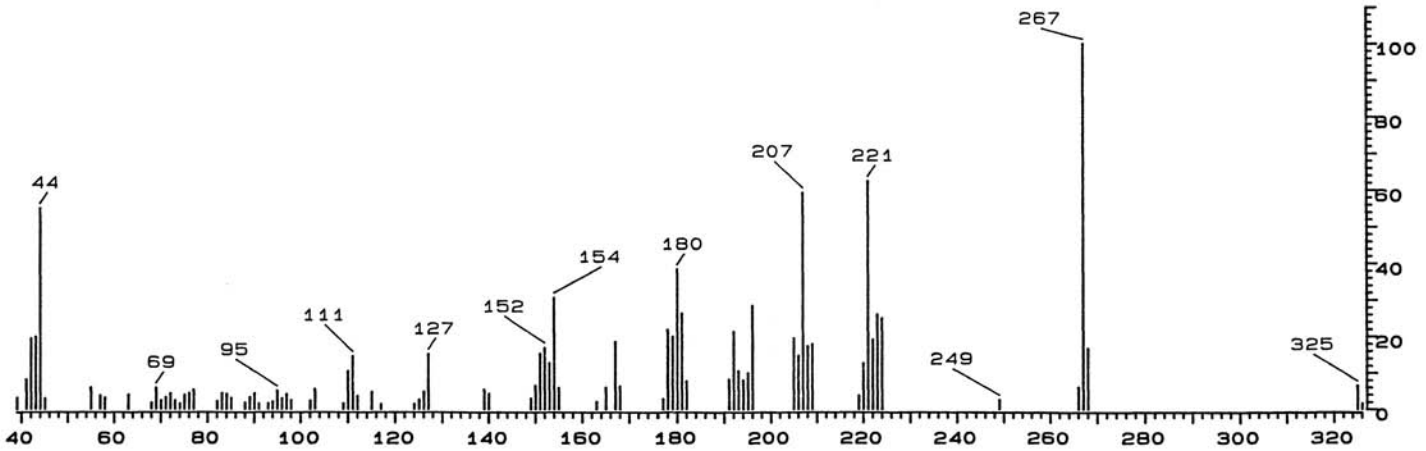
$C_{12}H_{30}Br_2N_2$

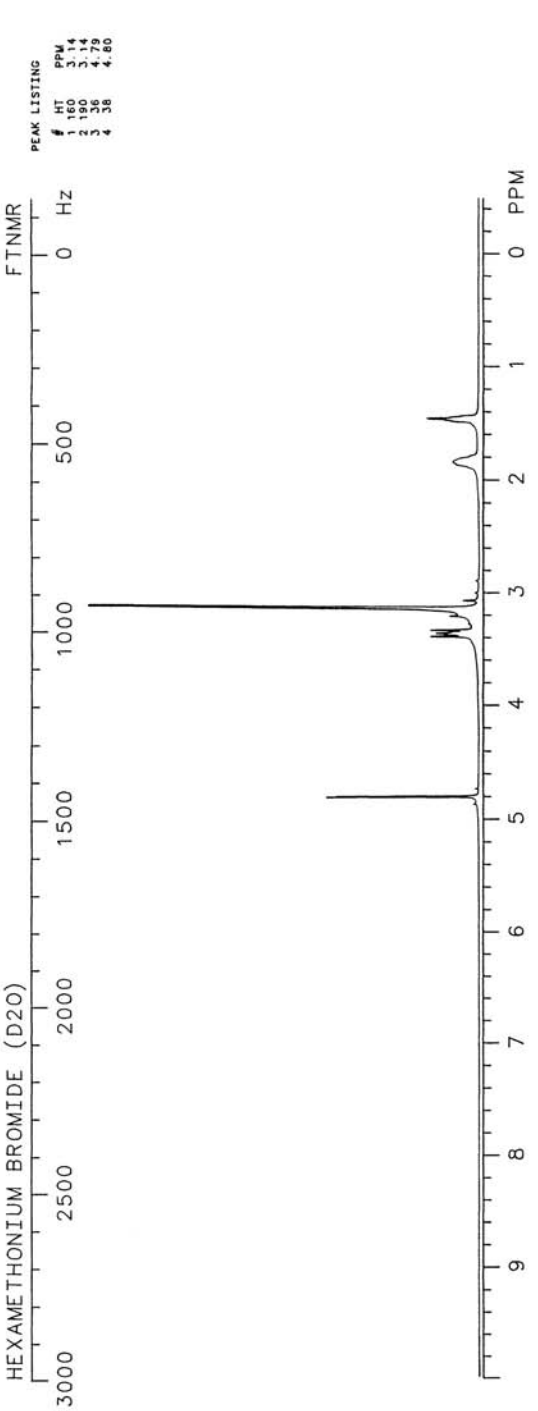
Molecular weight: 362.21 (360.08)
Synonyms: N,N,N,N',N',N'-Hexamethyl-1,6-hexanediaminium dibromide; hexamethone bromide; hexonium bromide
Trade names: Esametina, Gangliostat, Vegolysen, Gastrometonio

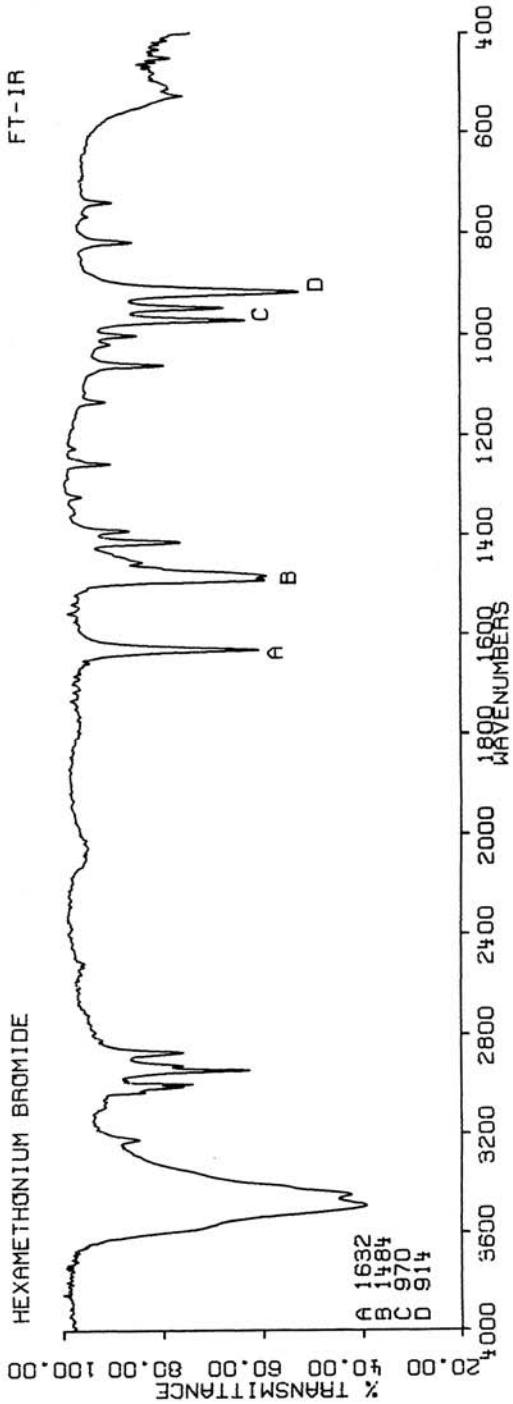
Use: Antihypertensive
HPLC:
GC:



HEXAMETHONIUM BROMIDE--DIP




HEXAMETHONIUM BROMIDE (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
1 160 3.14
2 190 3.14
3 36 4.79
4 38 4.80


HEXAMETHONIUM BROMIDE
FT-IR
A 1632
B 1484
C 970
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

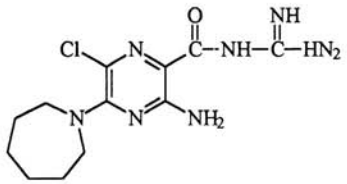
HEXAMETHYLENE AMILORIDE

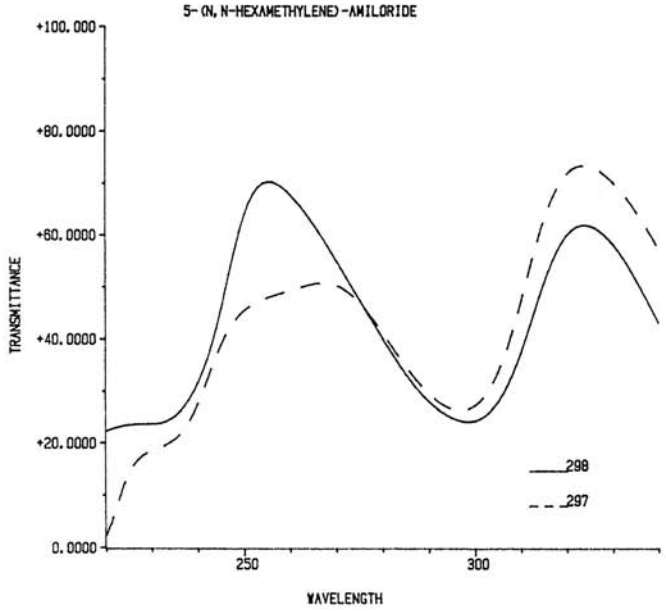
$C_{12}H_{18}ClN_7O$

Molecular Weight: 311.77 (311.13)

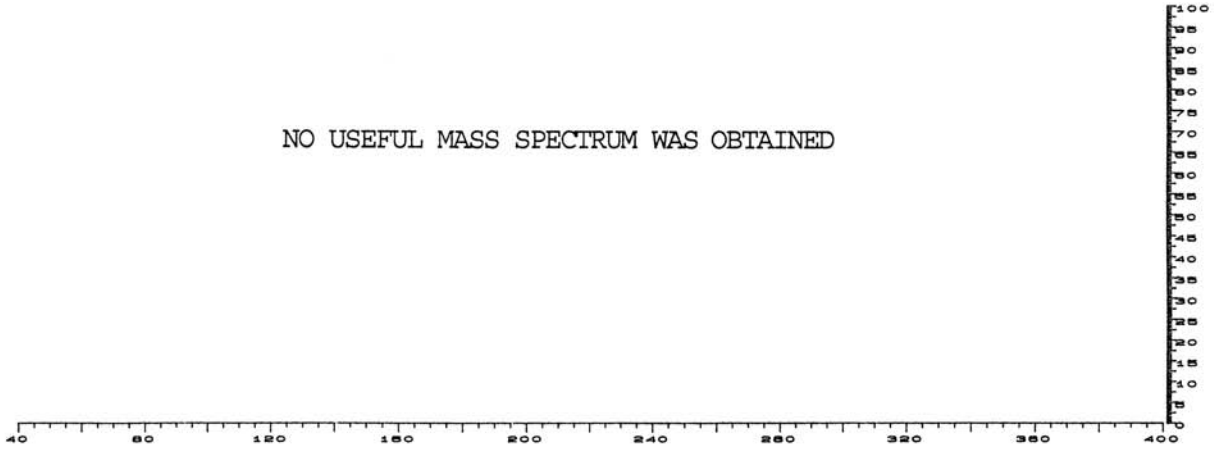
Synonyms: 3-Amino-5-(N,N-hexamethylene)amino-N-(aminoiminomethyl)-6-chloropyrazinecarboxamid; 5-(N,N-hexamethylene)-amiloride
Trade Names:
Use: Sodium inhibitor

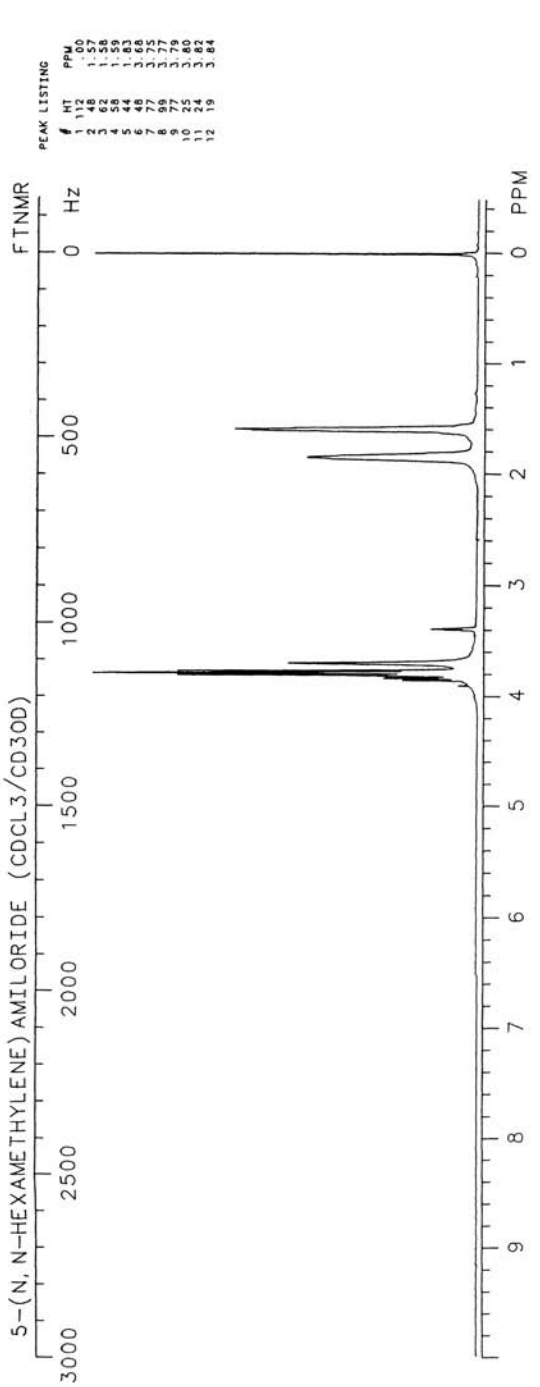
HPLC: Methanol: 3.0
GC:

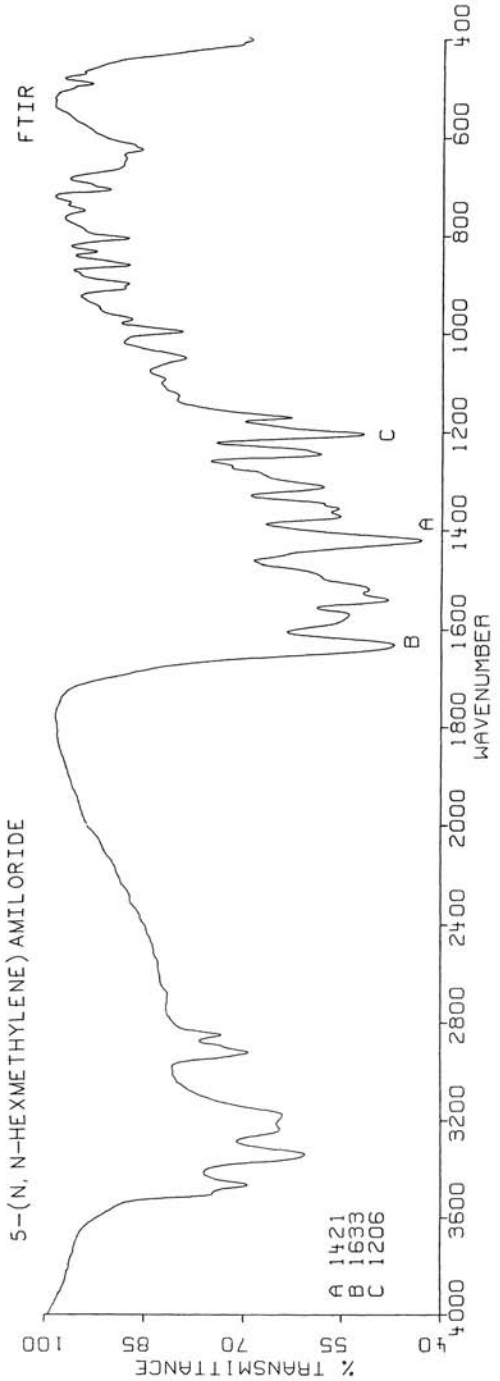




NO USEFUL MASS SPECTRUM WAS OBTAINED




5-(N, N-HEXAMETHYLENE) AMILORIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 112 .00
2 48 1.57
3 62 1.56
4 58 1.55
5 44 1.53
6 48 3.68
7 77 3.75
8 99 3.77
9 77 3.79
10 25 3.80
11 24 3.82
12 19 3.84
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM

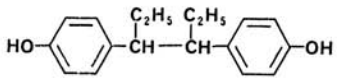

5-(N, N-HEXMETHYLENE) AMILORIDE
FTIR
A 1421
B 1633
C 1206
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

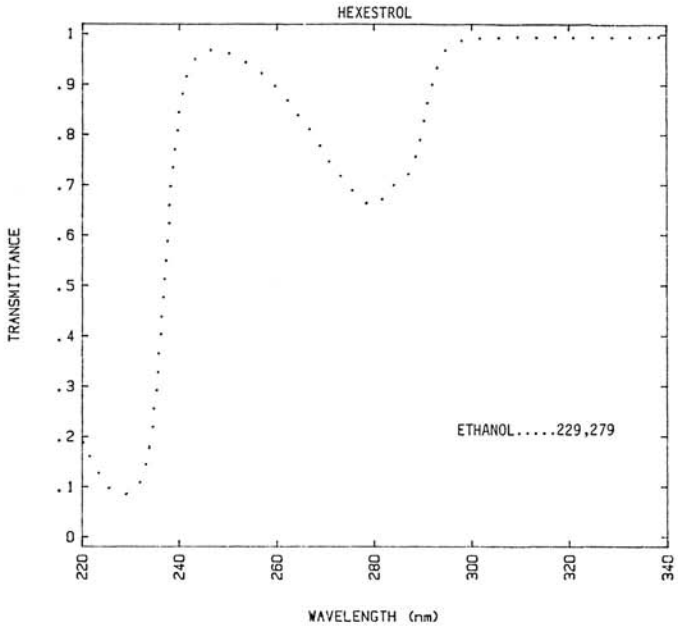
HEXESTROL

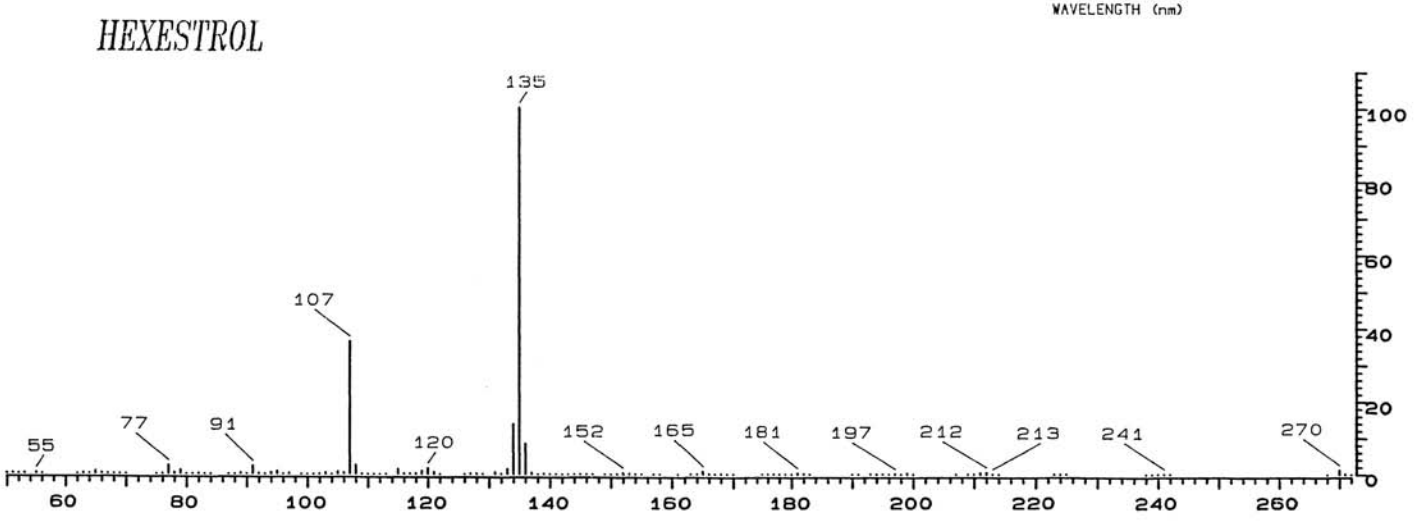
$C_{18}H_{22}O_2$

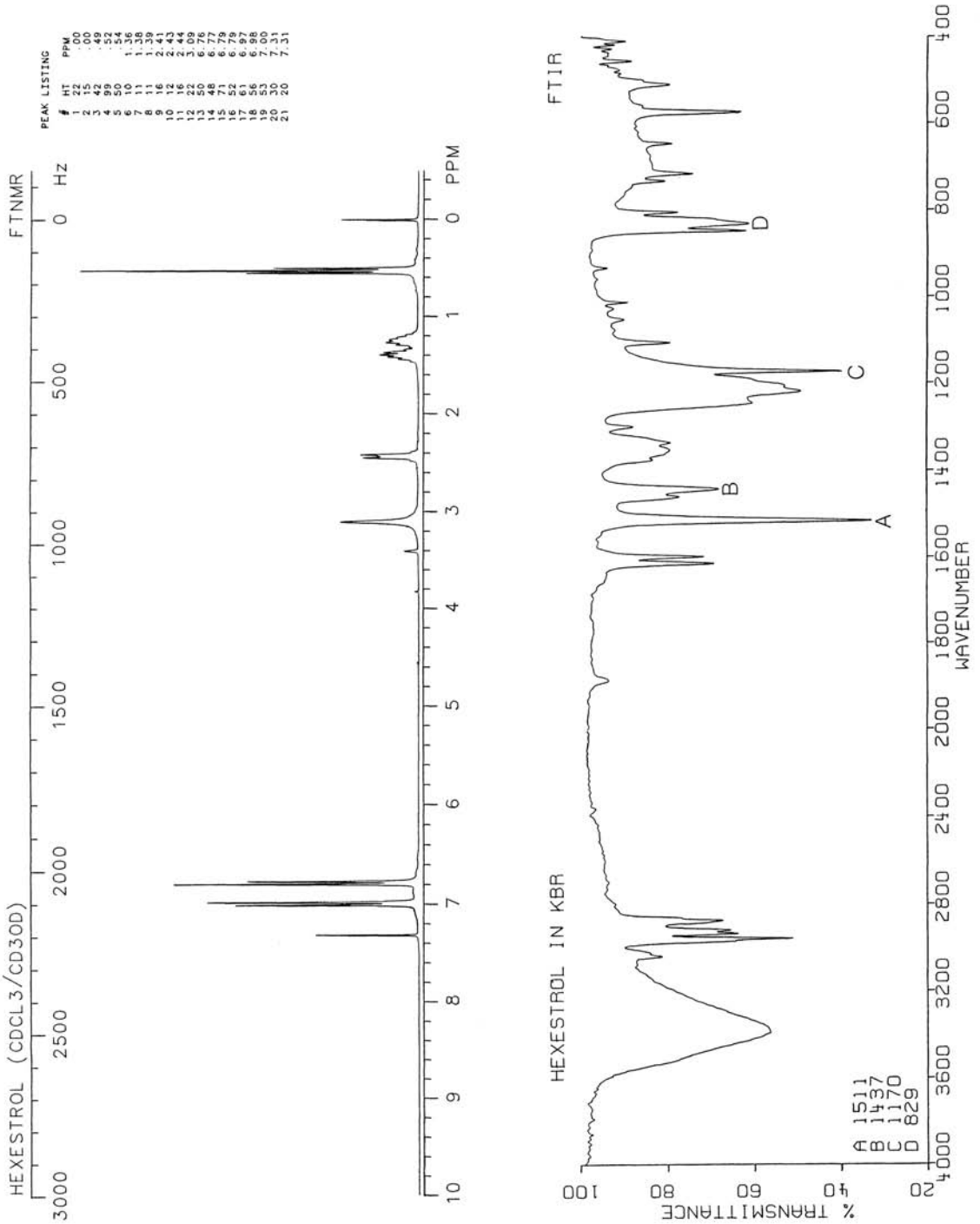
Molecular weight: 270.36 (270.16)
Synonyms: 4,4'-(1,2-Diethyl-1,2-ethanediyl)bisphenol; hexoestrol; dihydrodiethylstilbestrol; hexanoestrol; synestrol; synoestrol
Trade names: Cycloestrol, Hexanoestrol, Hormoestrol, Retalon, Synthovo

Use: Estrogen
HPLC:
GC: 2346; 250°C







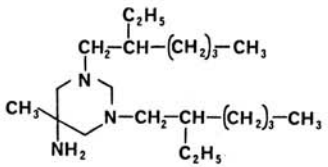

HEXESTROL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 22 .00
2 15 .00
3 42 .49
4 99 .52
5 50 .54
6 10 1.36
7 11 1.38
8 11 1.39
9 16 2.41
10 12 2.43
11 16 2.44
12 22 3.09
13 50 6.76
14 46 6.77
15 71 6.79
16 52 6.79
17 61 6.97
18 56 6.98
19 53 7.00
20 30 7.31
21 20 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
HEXESTROL IN KBR
FTIR
A 1511
B 1437
C 1170
D 829
A
B
C
D
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

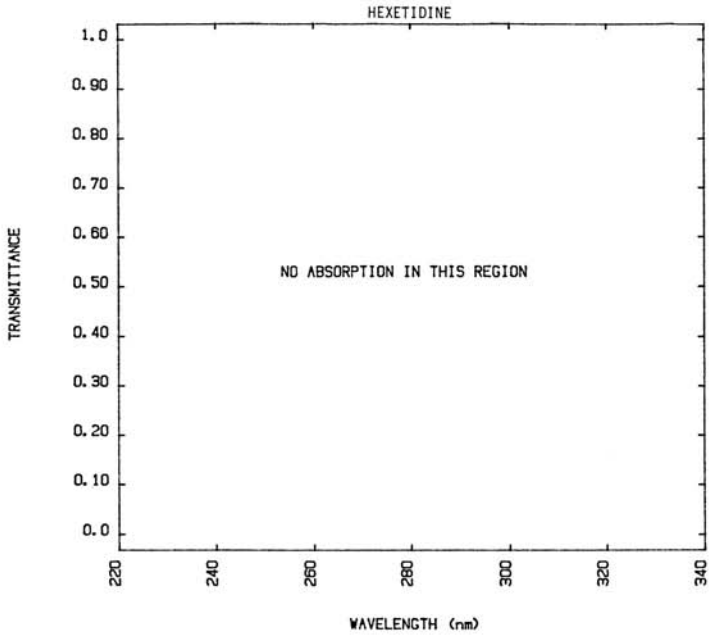
HEXETIDINE

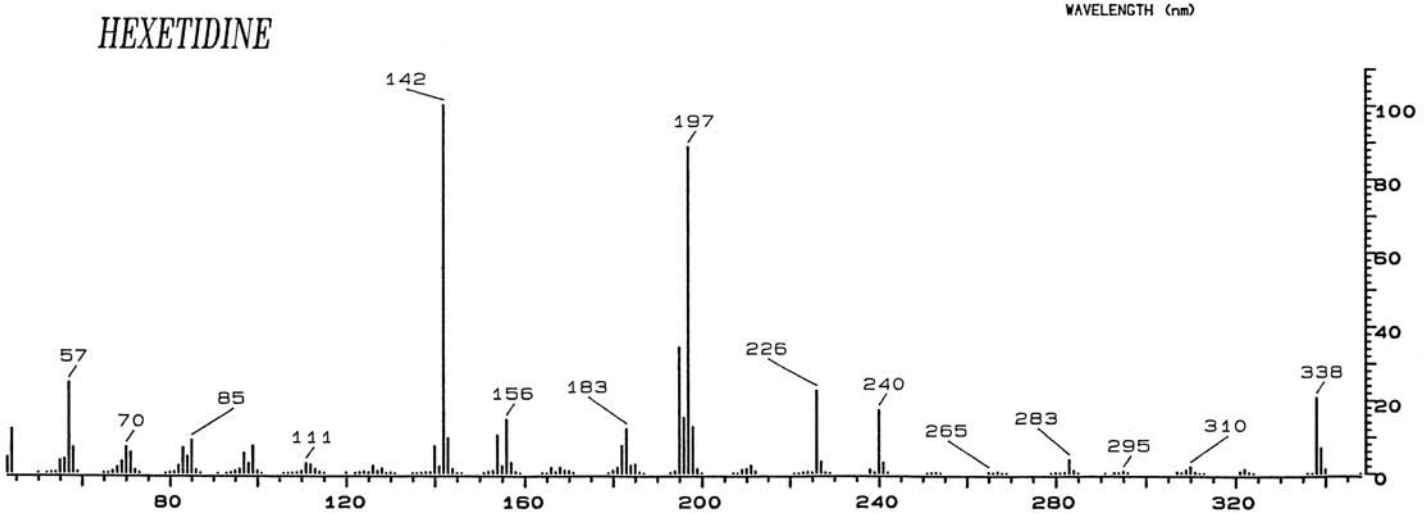
$C_{21}H_{45}N_3$

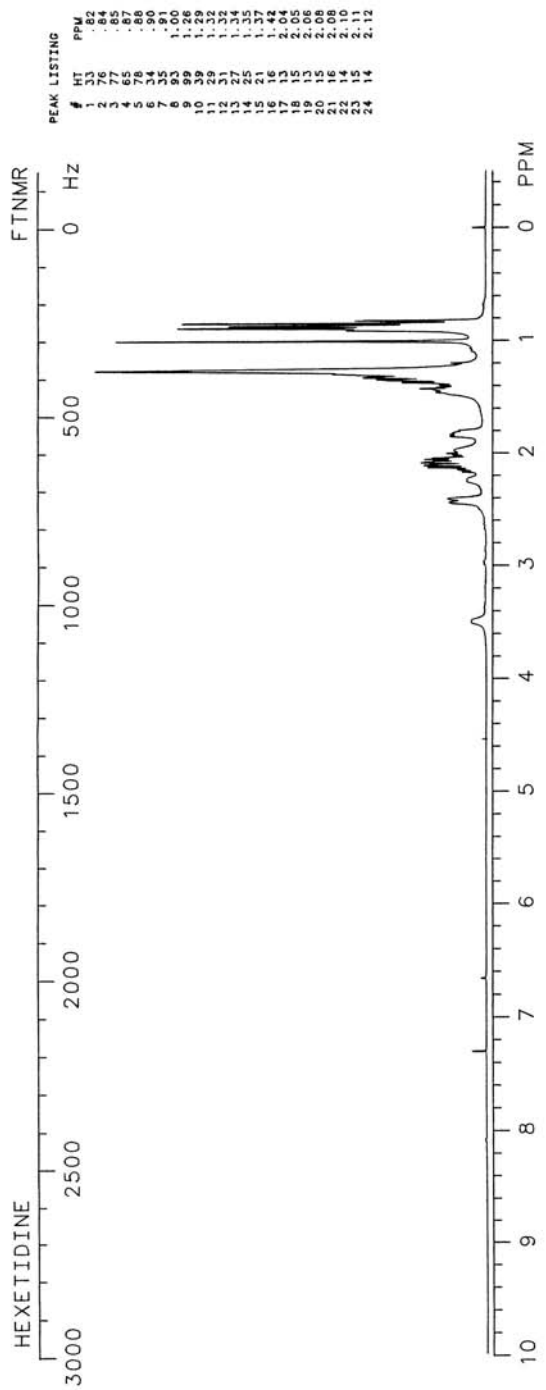
Molecular weight: 339.59 (339.36)
Synonyms: 1,3-Bis(2-ethylhexyl)hexahydro-5-methyl-5-pyrimidinamine

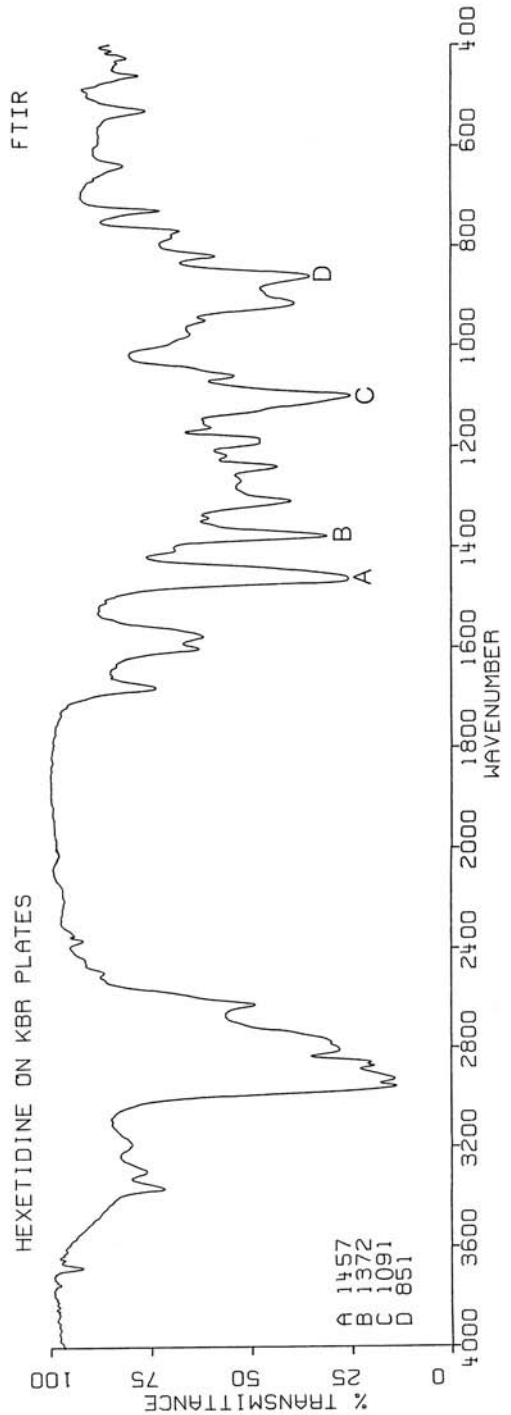
Trade names: Glypesin, Hexoral, Hextril, Oraldene, Sterisil, Sterilate, Sterisol, Triocil
Use: Antifungal
HPLC:
GC: 2157; 250°C








HEXETIDINE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 33 .82
2 76 .84
3 77 .85
4 65 .87
5 69 .88
6 34 .90
7 35 .91
8 93 1.00
9 99 1.26
10 39 1.29
11 29 1.32
12 27 1.33
13 27 1.34
14 25 1.35
15 21 1.37
16 16 1.42
17 13 2.04
18 15 2.05
19 13 2.06
20 15 2.08
21 16 2.08
22 14 2.10
23 15 2.11
24 14 2.12
0 1 2 3 4 5 6 7 8 9 10 PPM

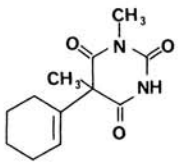

FTIR
HEXETIDINE ON KBR PLATES
A 1457
B 1372
C 1091
D 851
A
B
C
D
100
75
50
25
0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

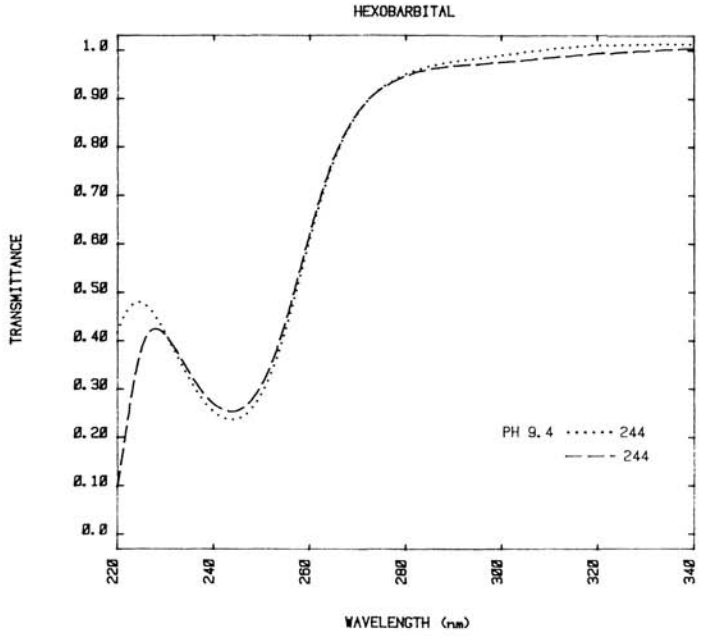
HEXOBARBITAL

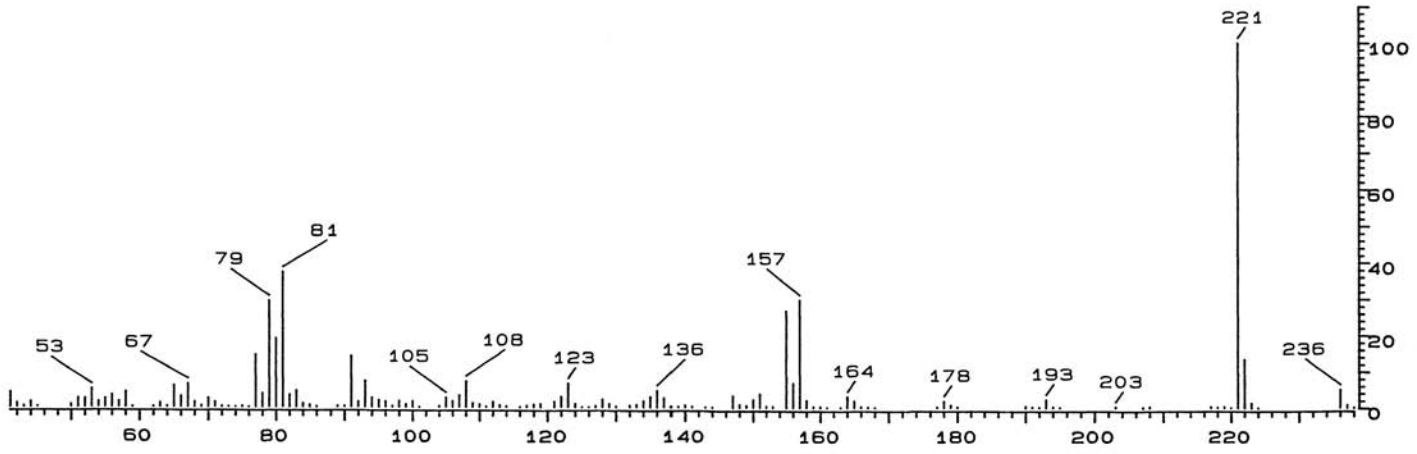
$C_{12}H_{16}N_2O_3$

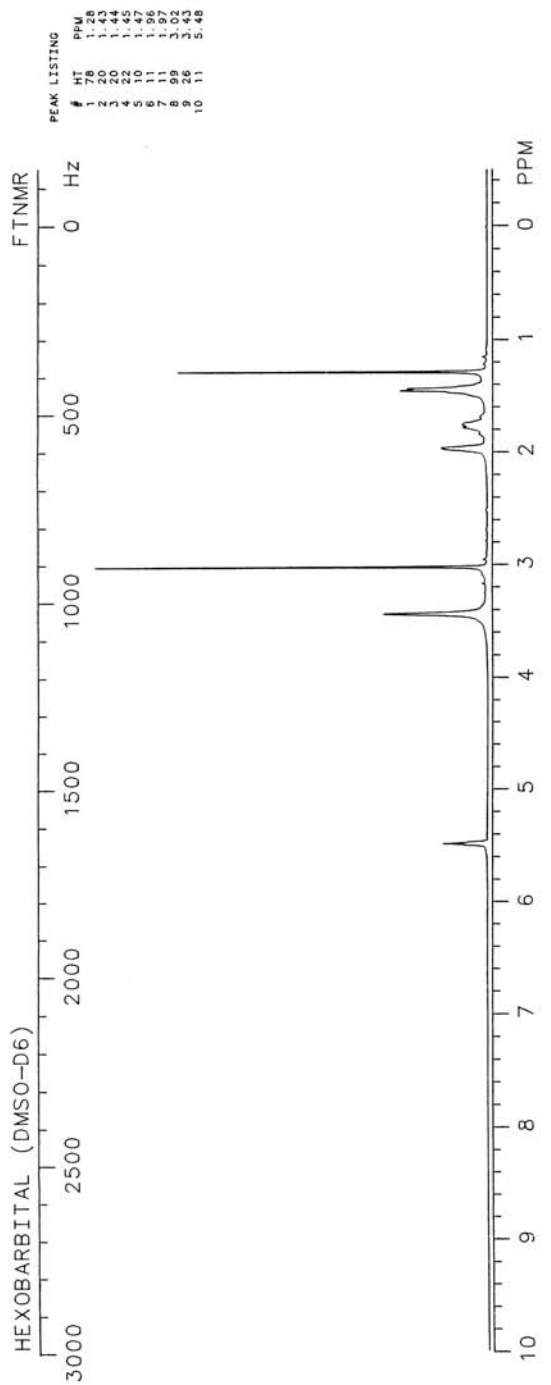
Molecular weight: 236.27 (236.12)
Synonyms: 5-(1-Cyclohexen-1-yl)-1,5-dimethyl-2,4,6(1H,3H,5H)-pyrimidinetrione; 5-(1-cyclohexen-1-yl)-1,5-dimethylbarbituric acid; hexobarbitone
Trade names: Cyclonal, Hexenal

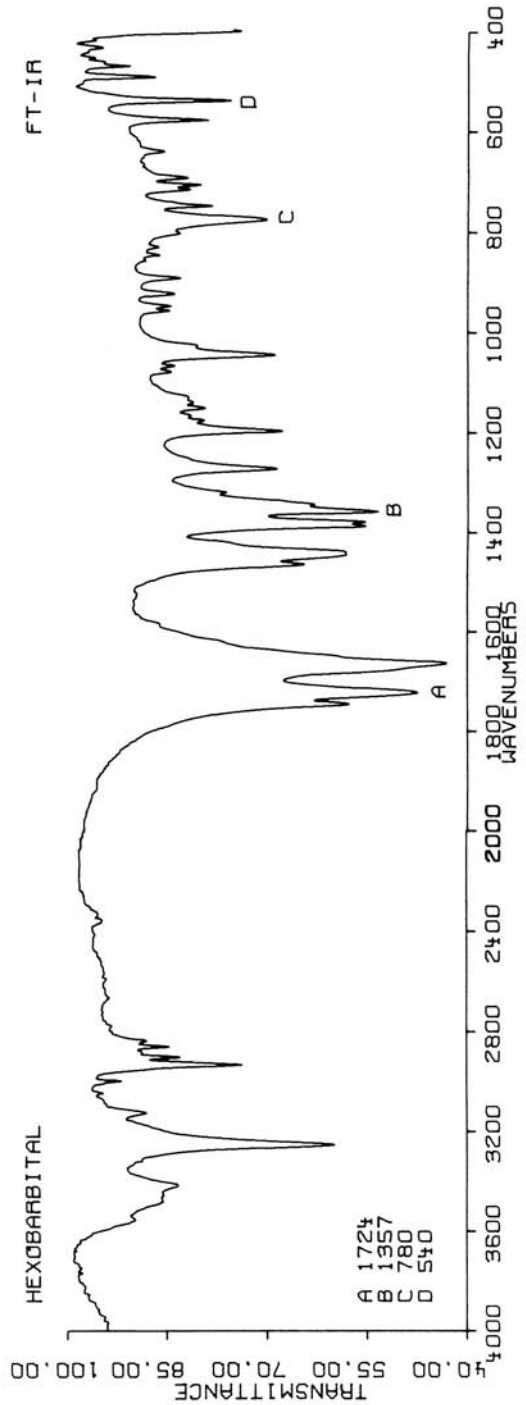
Use: Sedative, hypnotic
HPLC: Si-10; 1A:99B; 5.0
GC: 1866; 200°C








HEXOBARBITAL (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 78 1.28
2 20 1.43
3 20 1.44
4 22 1.45
5 10 1.47
6 11 1.96
7 11 3.07
8 99 3.22
9 26 3.43
10 11 5.48

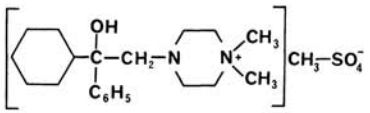

HEXOBARBITAL
FT-IR
A 1724
B 1357
C 780
D 540
A
B
C
D
TRANSMITTANCE
40.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

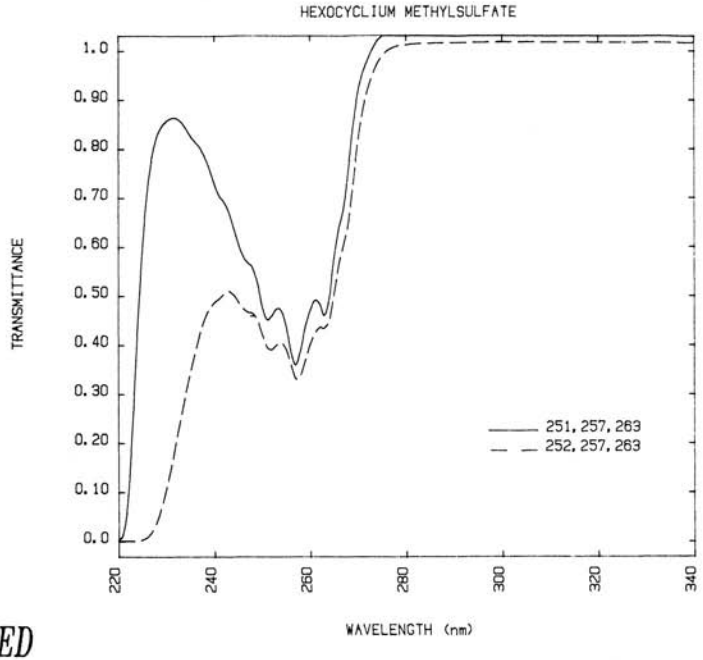
HEXOCYCLIUM METHYLSULFATE

$C_{21}H_{36}N_2O_5S$

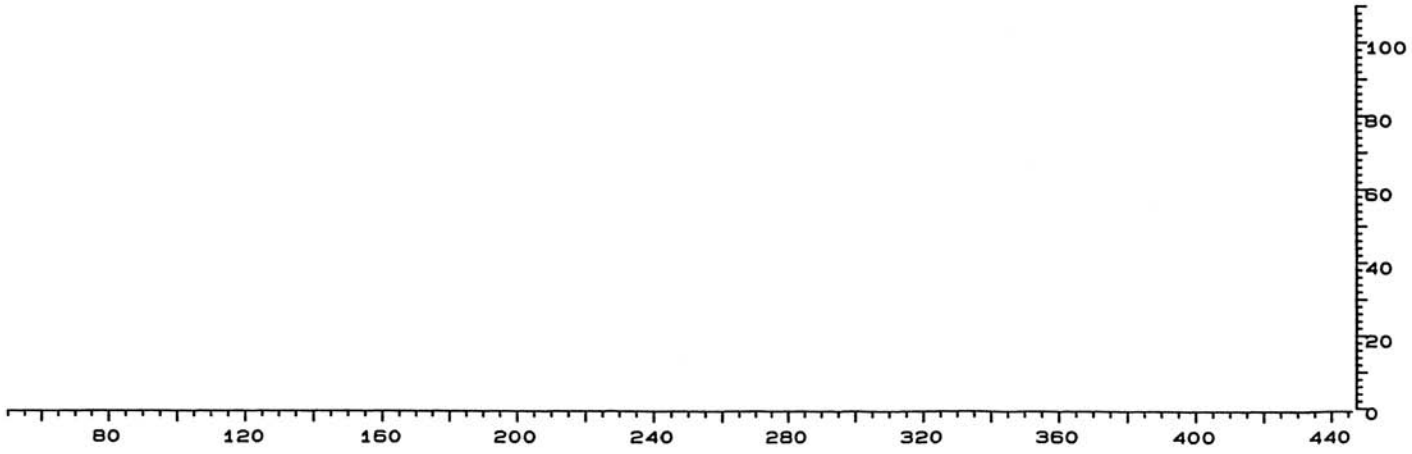
Molecular weight: 428.60 (428.23)
Synonyms: 4-(2-Cyclohexyl-2-hydroxy-2-phenylethyl)-1,1-dimethylpiperazinium methyl sulfate
Trade names: Tral

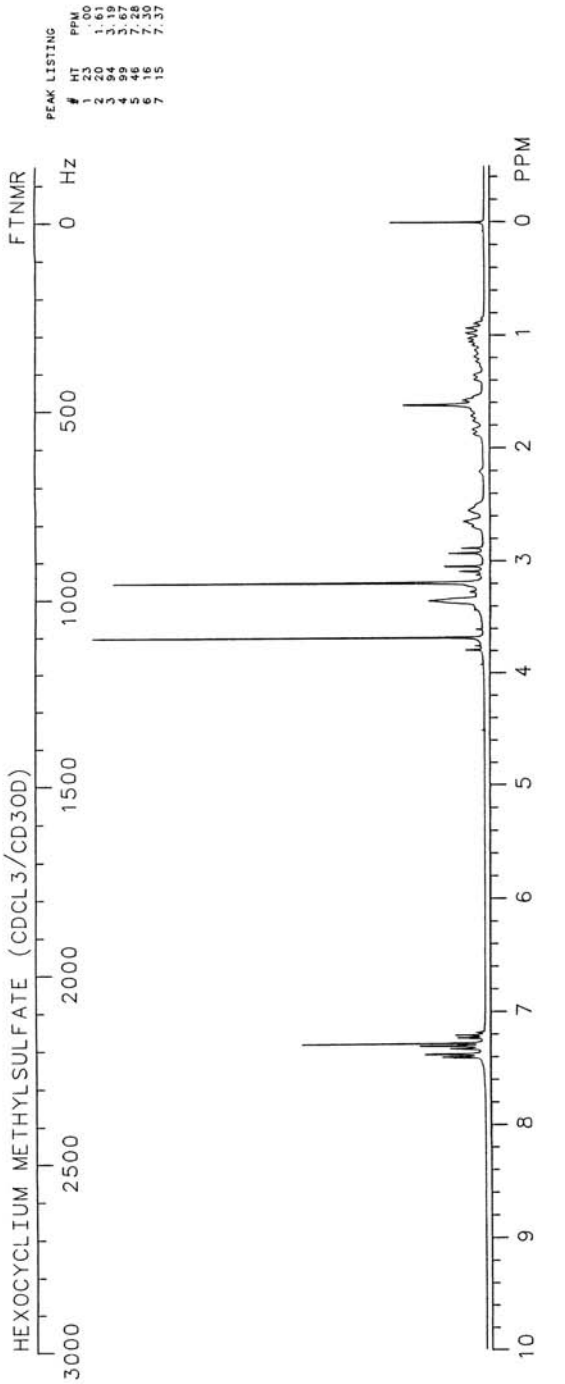
Use: Anticholinergic
HPLC:
GC:

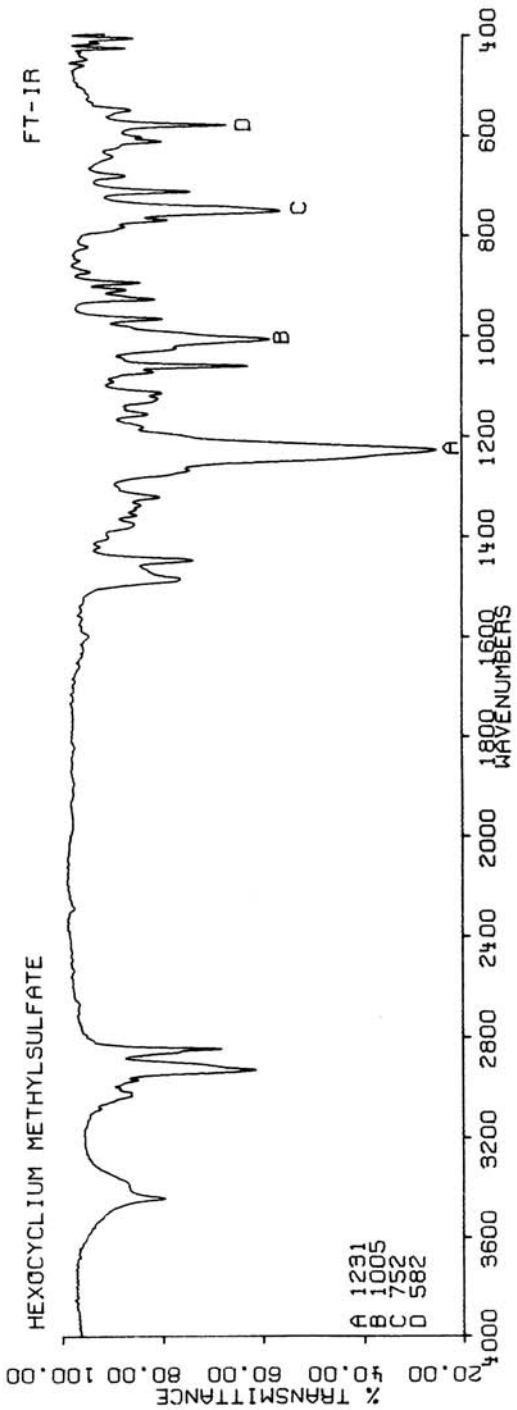




NO USEFUL MASS SPECTRUM WAS OBTAINED




HEXOCYCLIUM METHYLSULFATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 23 .00
2 20 1.61
3 94 3.19
4 69 3.67
5 46 7.28
6 16 7.30
7 15 7.37
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HEXOCYCLIUM METHYLSULFATE
FT-IR
A 1231
B 1005
C 752
D 582
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

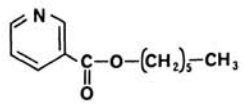
HEXYL NICOTINATE

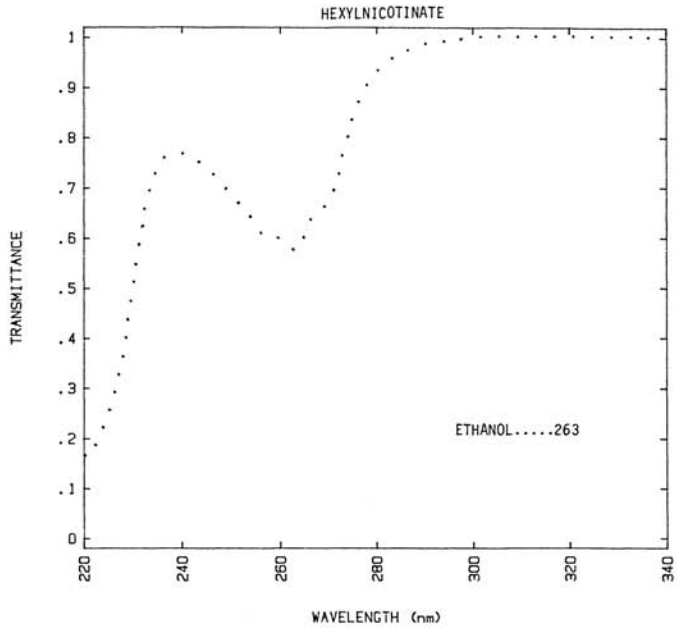
$C_{12}H_{17}NO_2$

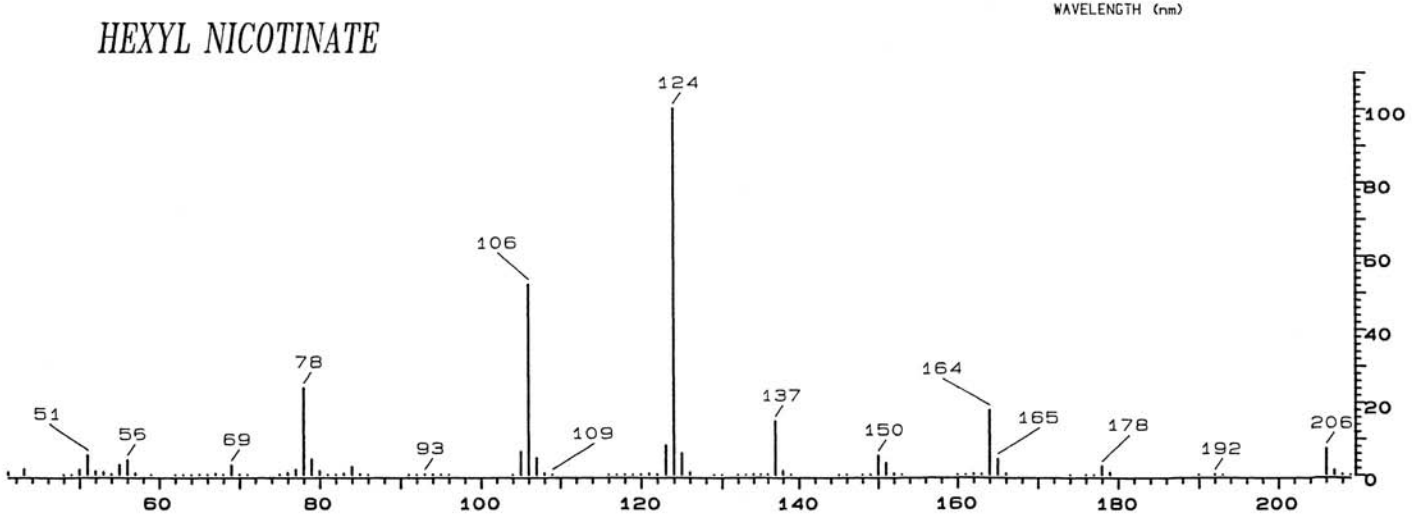
Molecular weight: 207.30 (207.13)
Synonyms: N-Hexylnicotinate; nicotinic acid hexylester

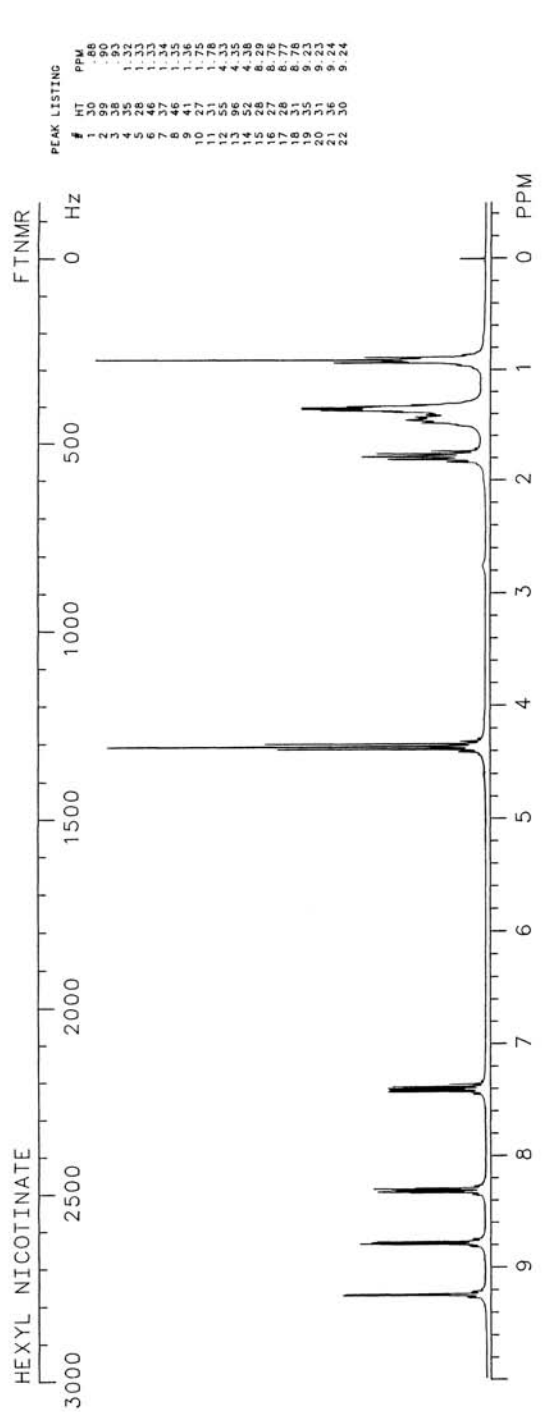
Trade names: Transvasin

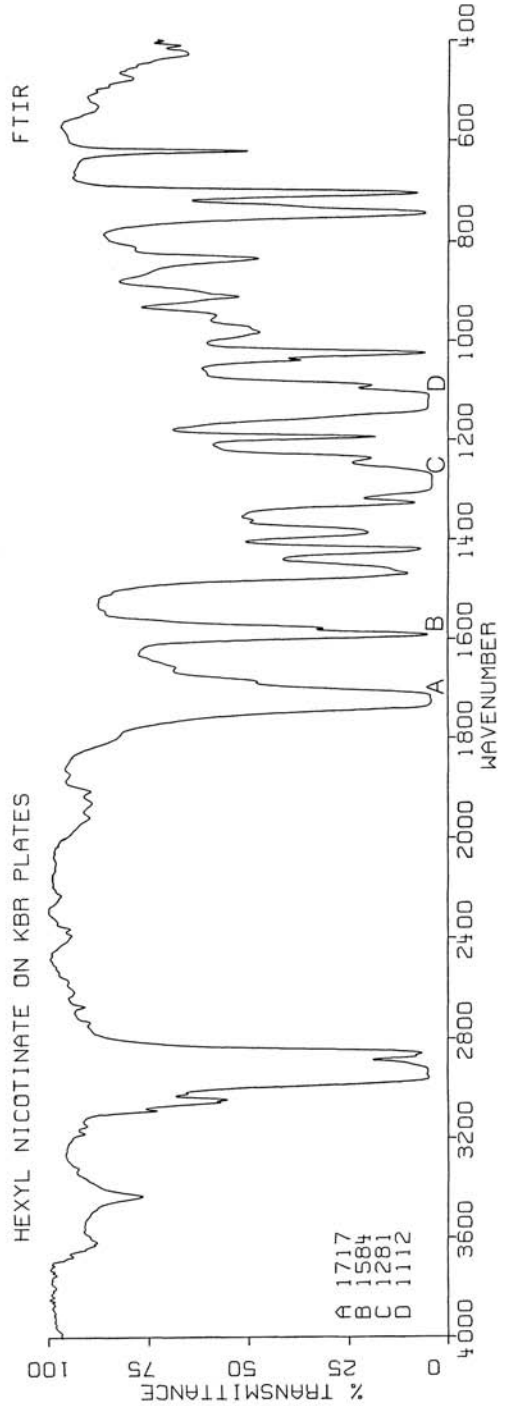
Use: Topical vasodilator
HPLC:
GC: 1651; 200°C







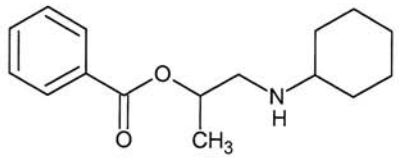

HEXYL NICOTINATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 30 .88
2 39 .90
3 38 .93
4 35 1.32
5 28 1.33
6 46 1.33
7 37 1.34
8 46 1.35
9 41 1.36
10 27 1.75
11 31 1.78
12 55 4.33
13 96 4.35
14 52 4.38
15 28 8.29
16 27 8.76
17 28 8.77
18 31 8.78
19 35 9.23
20 31 9.23
21 36 9.24
22 30 9.24

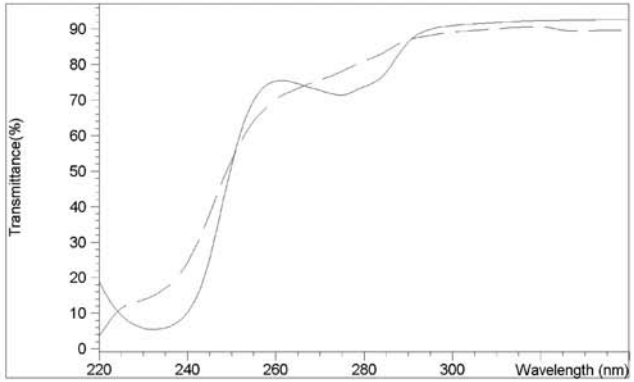

HEXYL NICOTINATE ON KBR PLATES
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
B
C
D
A 1717
B 1584
C 1281
D 1112

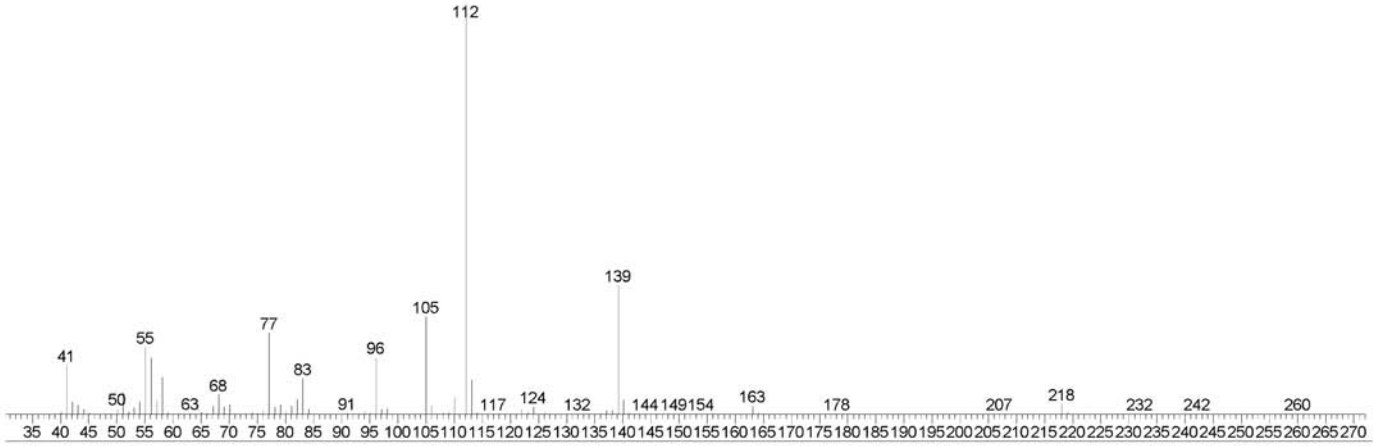
HEXYLCAINE

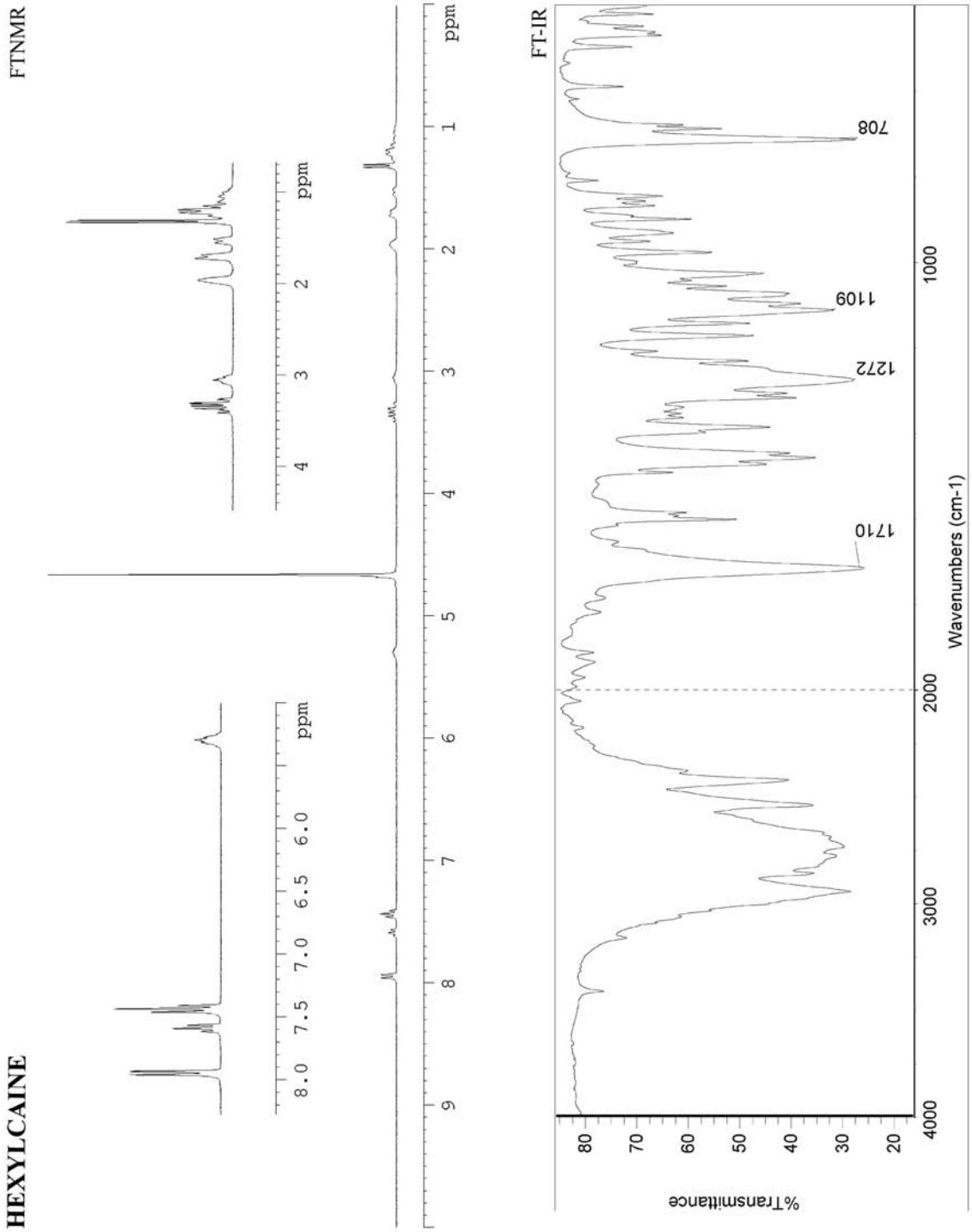
$C_{16}H_{23}NO_2$

Molecular Weight: 261.36 (261.17)
Synonyms: 1-(Cyclohexylamino)-2-propanol benzoate (ester); D-109; Cyclaine
Trade names: Cope
Use: Anesthetic (local)








HEXYLCAINE
FTNMR
ppm
FT-IR
708
1109
1272
1710
%Transmittance
Wavenumbers (cm-1)

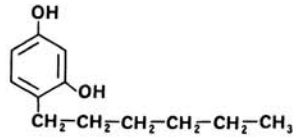
HEXYLRESORCINOL

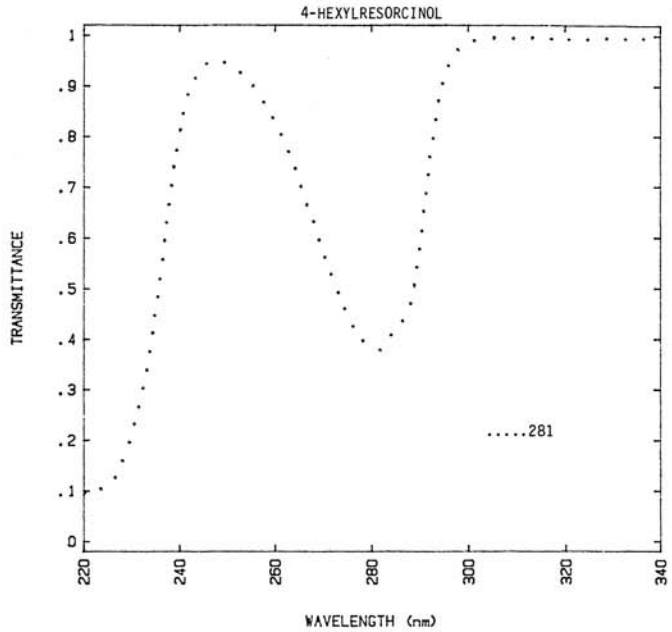
$C_{12}H_{18}O_2$

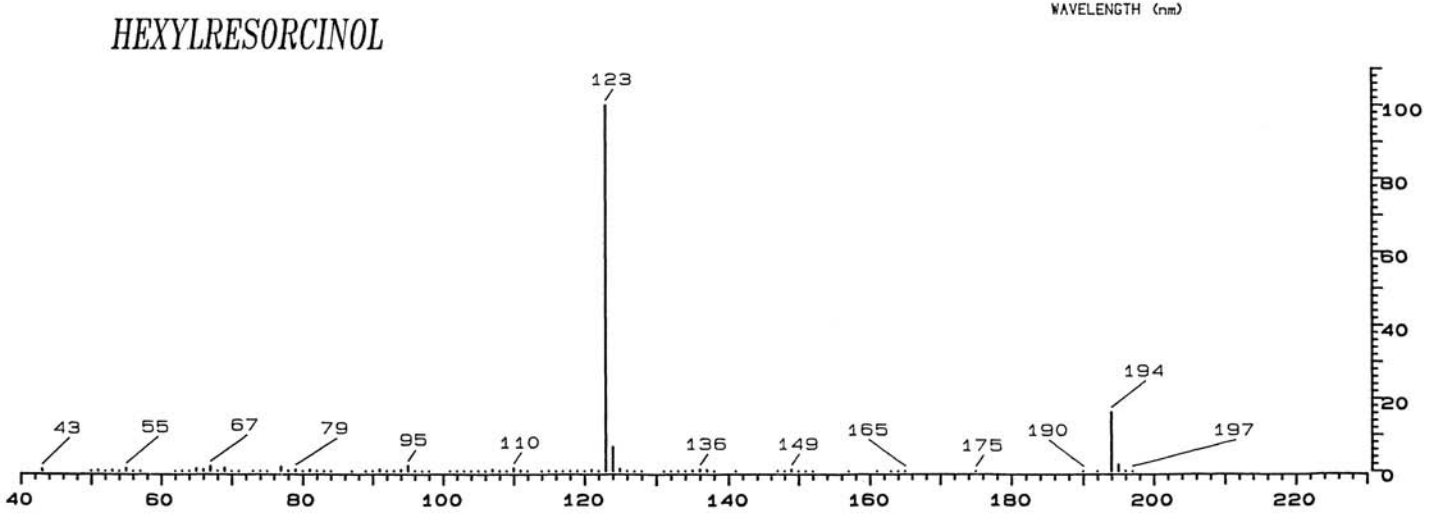
Molecular weight: 194.26 (194.13)
Synonyms: 4-Hexyl-1,3-benzenediol; 4-hexyl-1,3-dihydroxybenzene

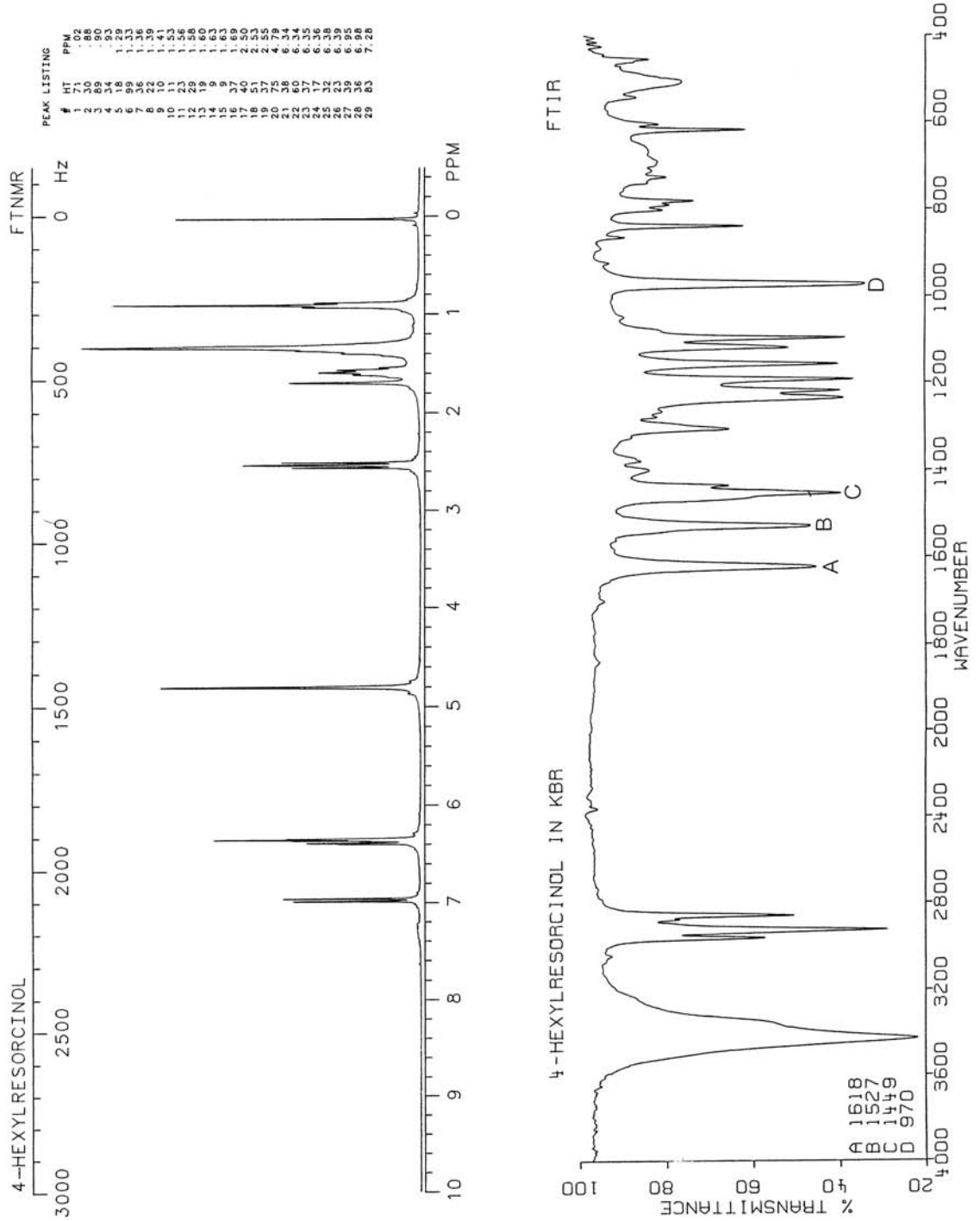
Trade names: Caprokol, Crystoids, Gelovermin, Oxana, Sucrets

Use: Topical antiseptic, anthelmintic
HPLC: Si-10; 1A:99B; 6.2
GC: 1822; 200°C







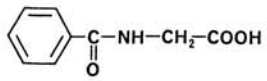

4-HEXYLRESORCINOL
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 71 .82
2 30 .88
3 89 .90
4 34 .93
5 18 1.29
6 99 1.33
7 36 1.36
8 22 1.39
9 10 1.41
10 11 1.53
11 23 1.56
12 29 1.58
13 19 1.60
14 9 1.63
15 37 1.69
16 40 2.50
17 51 2.53
18 37 2.55
19 75 4.79
20 38 6.34
21 60 6.35
22 57 6.36
23 17 6.38
24 32 6.39
25 23 6.95
26 39 6.98
27 36 7.28
28 83
29
4-HEXYLRESORCINOL 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 B C D
A 1618
B 1527
C 1449
D 970

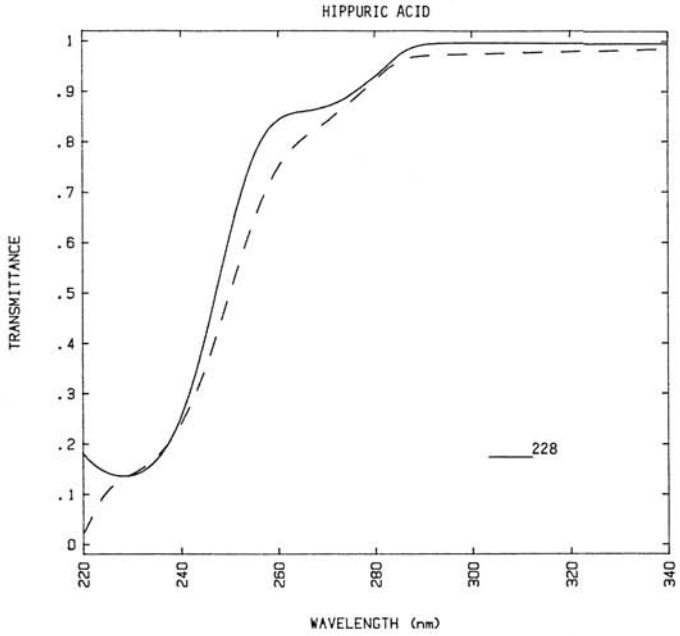
HIPPURIC ACID

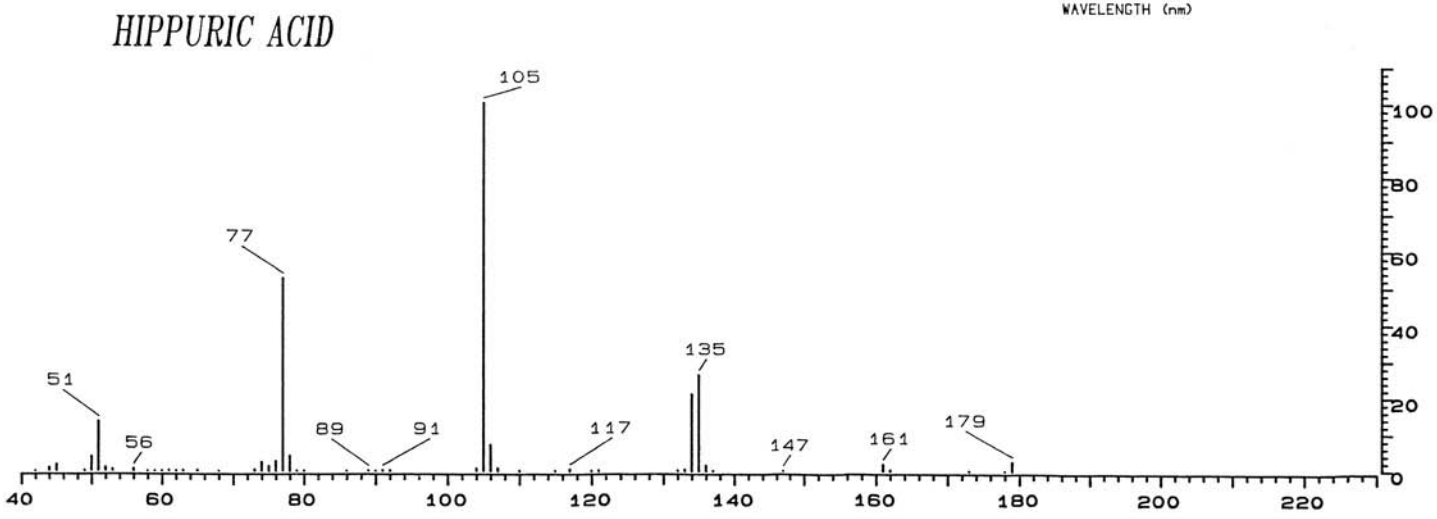
$C_9H_9NO_3$

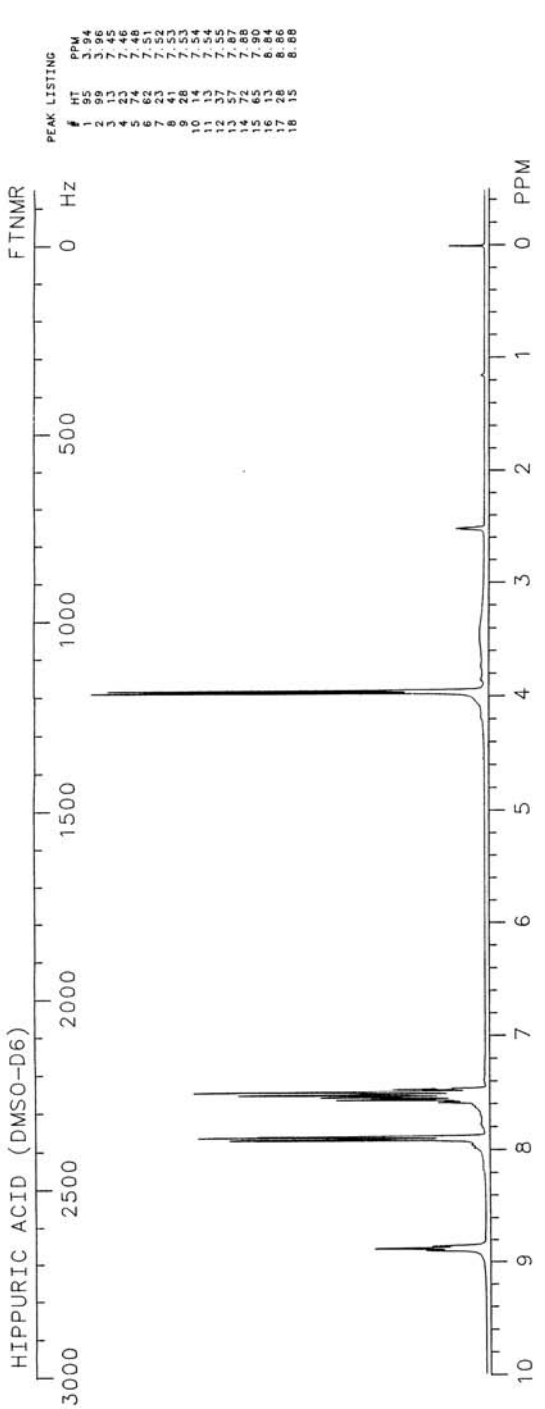
Molecular weight: 179.17 (179.06)
Synonyms: N-Benzoylglycine; benzoylaminoacetic acid; benzamidoacetic acid
Trade names:

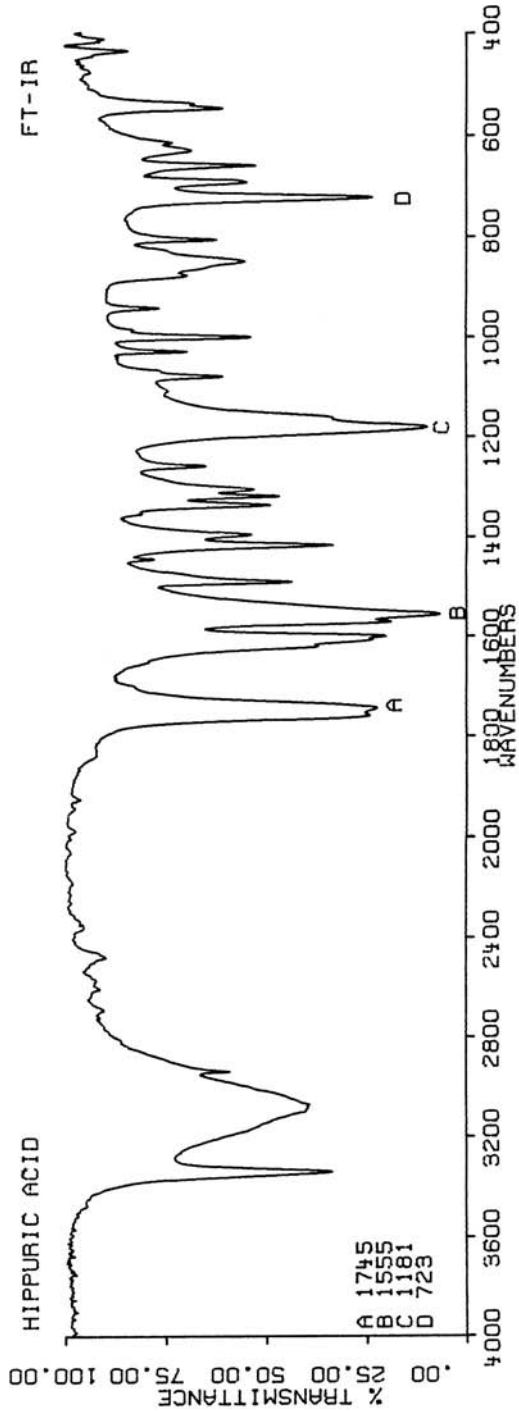
Use: Present in human urine
HPLC:
GC:








HIPPURIC 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 85 3.94
2 99 3.96
3 13 7.45
4 23 7.46
5 74 7.48
6 62 7.51
7 23 7.52
8 41 7.53
9 28 7.53
10 14 7.54
11 13 7.55
12 37 7.87
13 57 7.88
14 72 7.90
15 65 8.04
16 13 8.86
17 28 8.86
18 15 8.88


FT-IR
HIPPURIC ACID
% TRANSMITTANCE
.00
25.00
50.00
75.00
100.00
A 1745
B 1555
C 1181
D 723
A
B
C
D
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

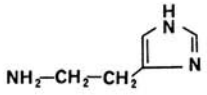
HISTAMINE

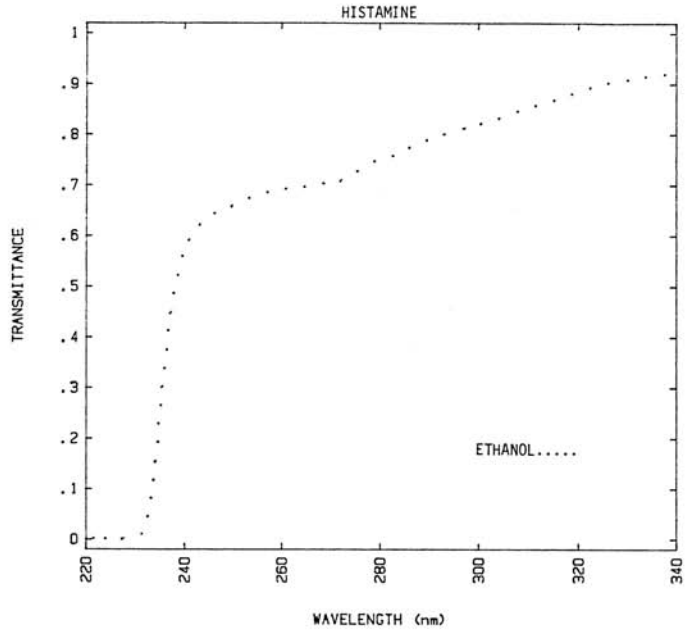
$C_5H_9N_3$

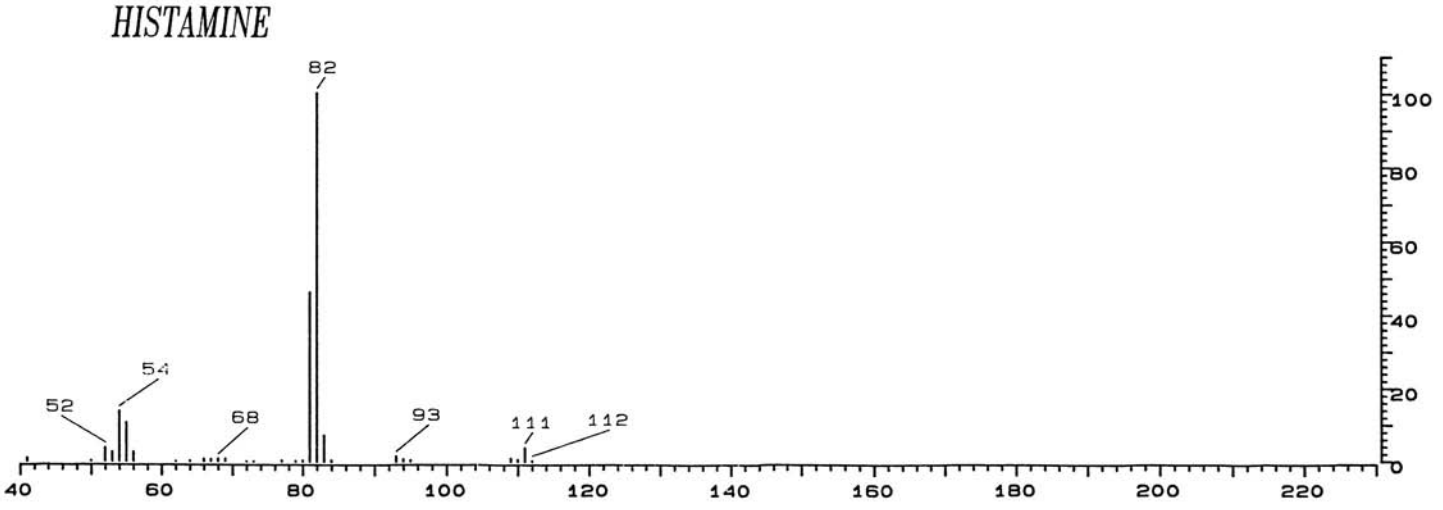
Molecular weight: 111.15 (111.08)
Synonyms: 2-(4-Imidazolyl)ethylamine; ergamine; ergotidine

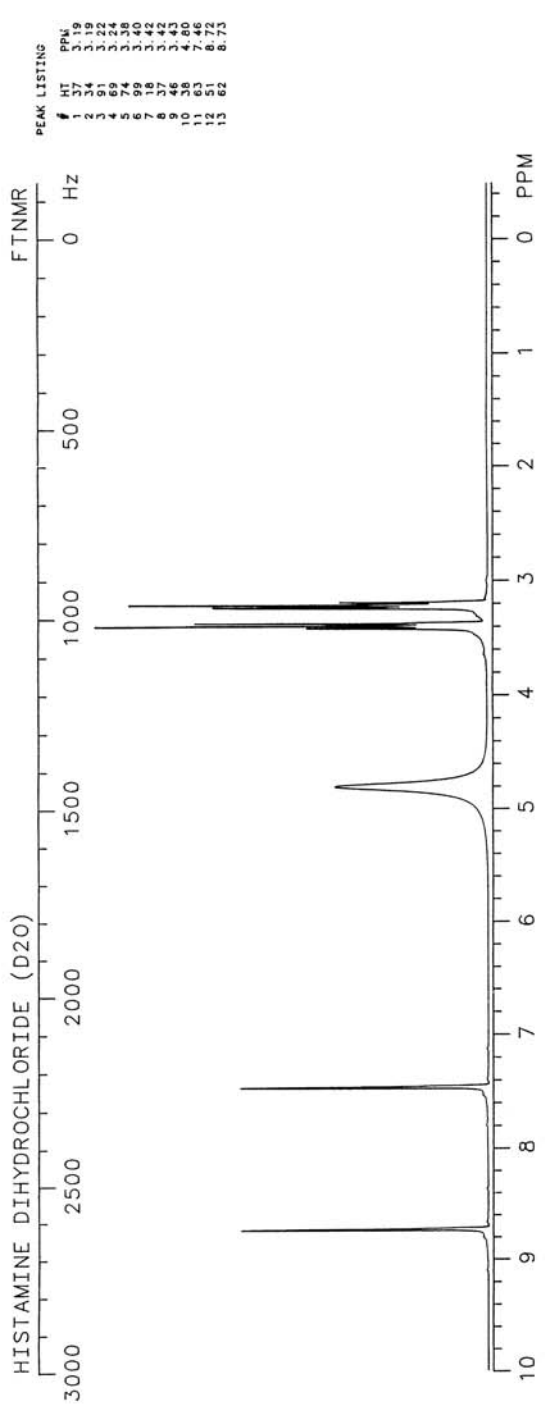
Trade names: Histamine phosphate

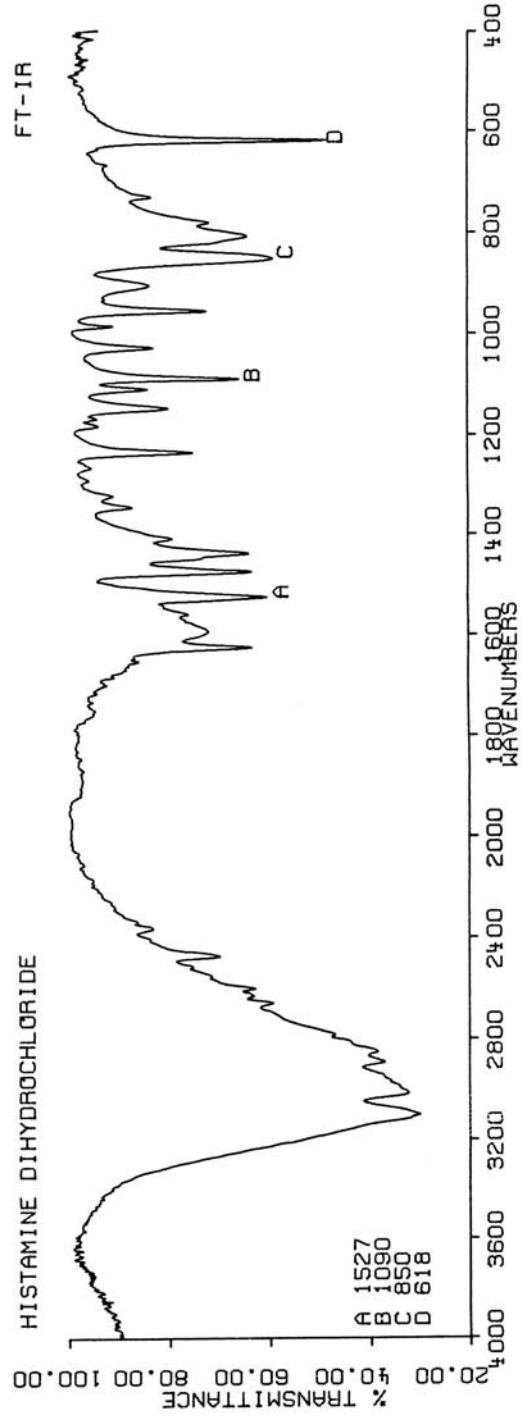
Use: Diagnostic aid
HPLC: Si-10; 50A:50B; 3.4
GC: 1548; 200°C








HISTAMINE DIHYDROCHLORIDE (D2O)
FTNMR
PEAK LISTING
HT PPM
1 37 3.19
2 34 3.19
3 91 3.22
4 69 3.24
5 74 3.38
6 99 3.40
7 18 3.42
8 37 3.42
9 46 3.43
10 38 4.80
11 63 7.46
12 51 8.72
13 62 8.73
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

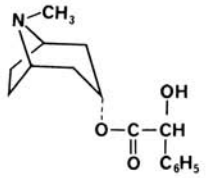

HISTAMINE DIHYDROCHLORIDE
FT-IR
A 1527
B 1090
C 850
D 618
% TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

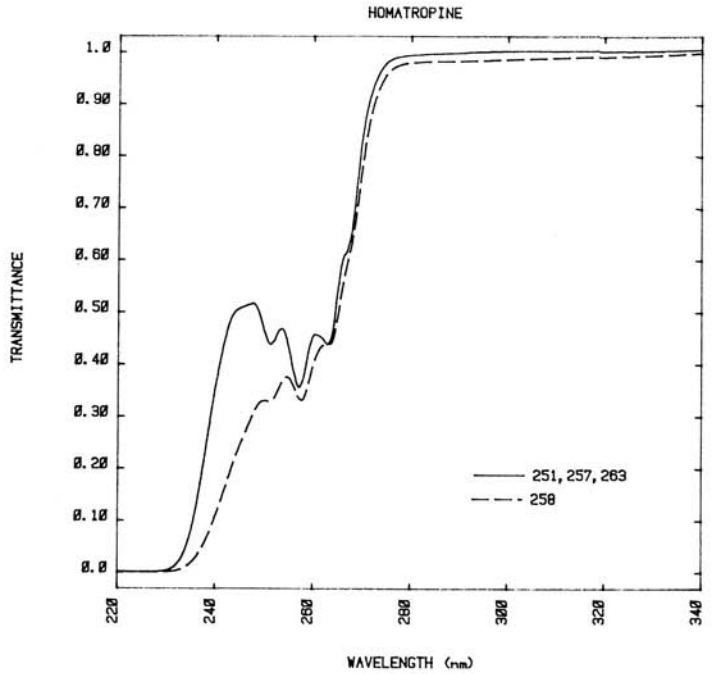
HOMATROPINE

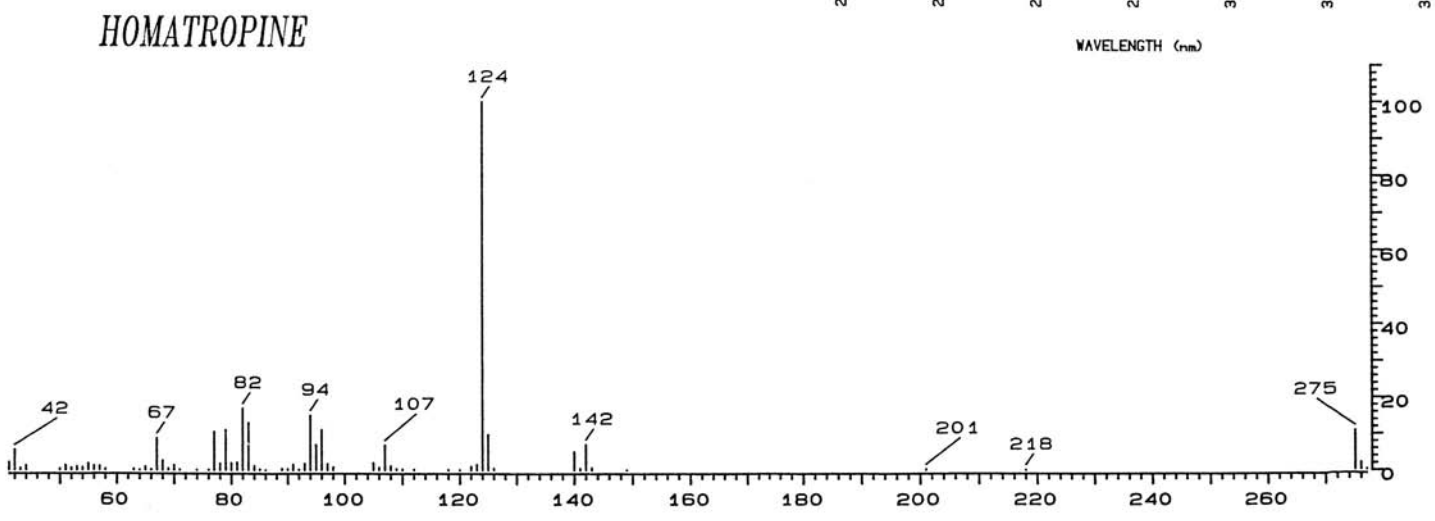
$C_{16}H_{21}NO_3$

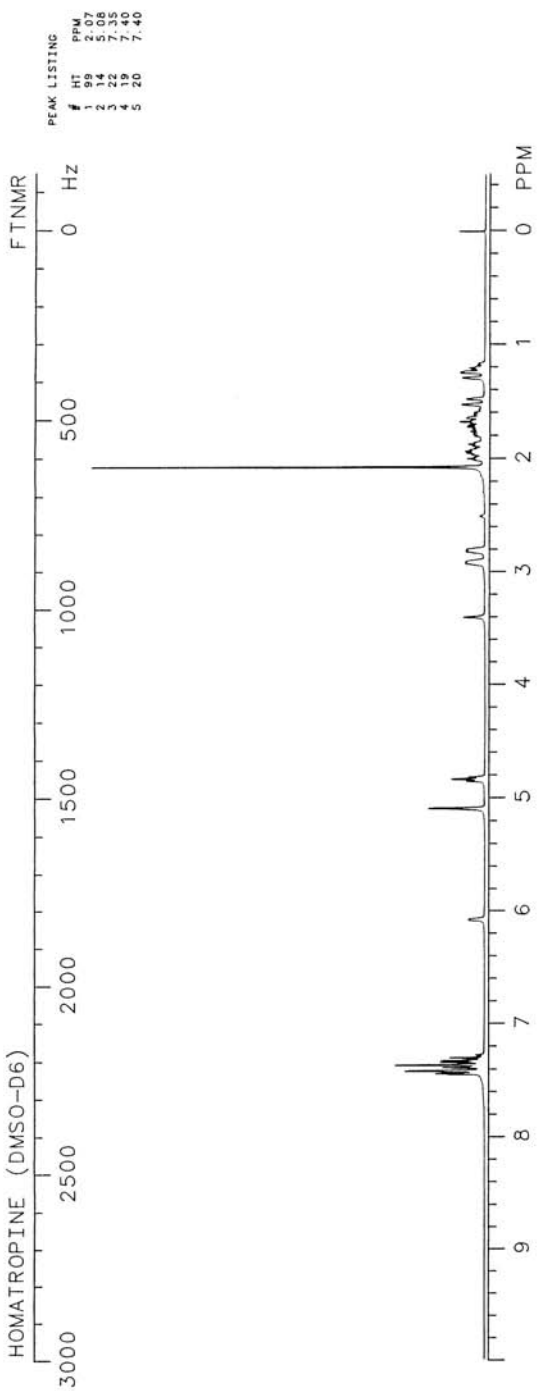
Molecular weight: 275.35 (275.15)
Synonyms: endo-α-Hydroxybenzeneacetic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester
Trade names: Dia-Quel, Gustase-Plus, Homapin, Sinulin

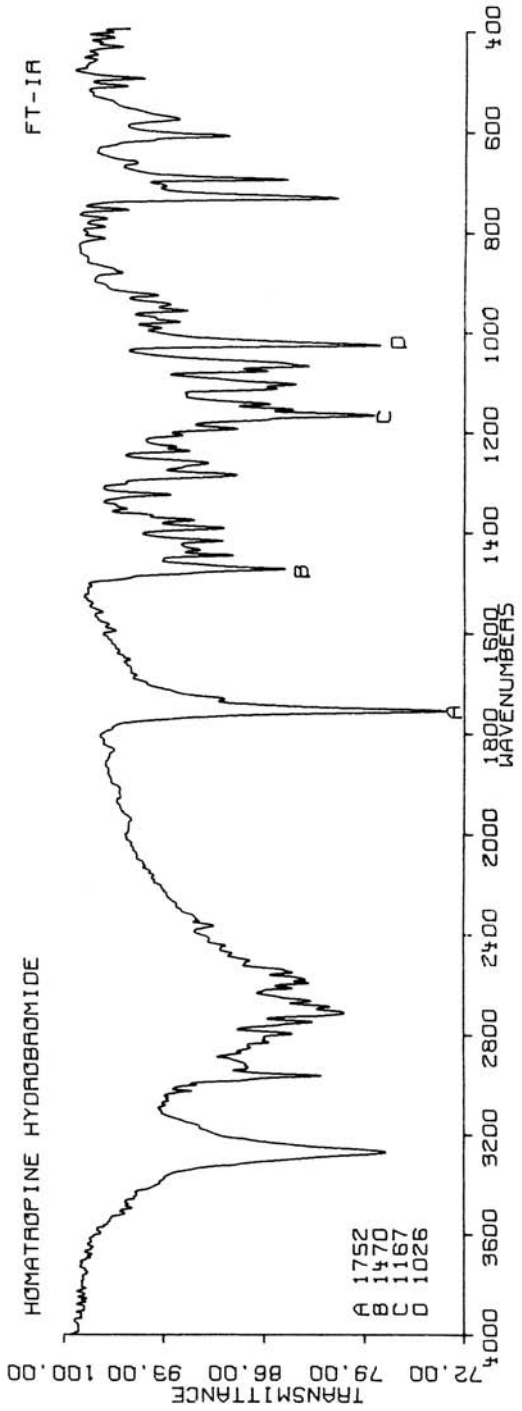
Use: Anticholinergic
HPLC: Si-10; 10A:90B; 11.0
GC: 2155; 250°C








HOMATROPINE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 PPM
PEAK LISTING
HT PPM
1 99 2.07
2 14 5.08
3 22 7.35
4 19 7.40
5 20 7.40

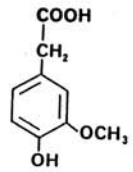

HOMATROPINE HYDROBROMIDE
FT-IR
TRANSMITTANCE
100.00 93.00 86.00 79.00 72.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1752
B 1470
C 1167
D 1026
A
B
C
D

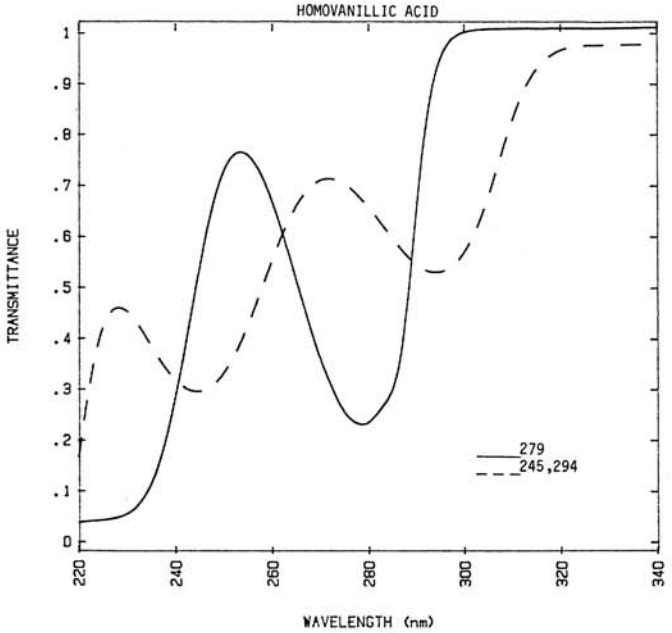
HOMOVANILLIC ACID

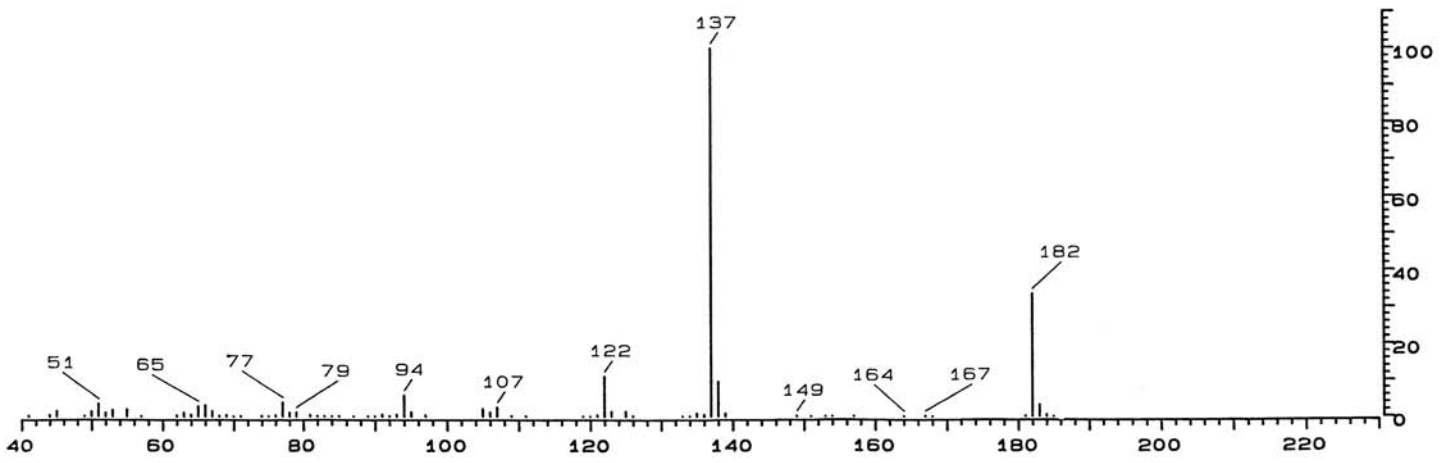
$C_9H_{10}O_4$

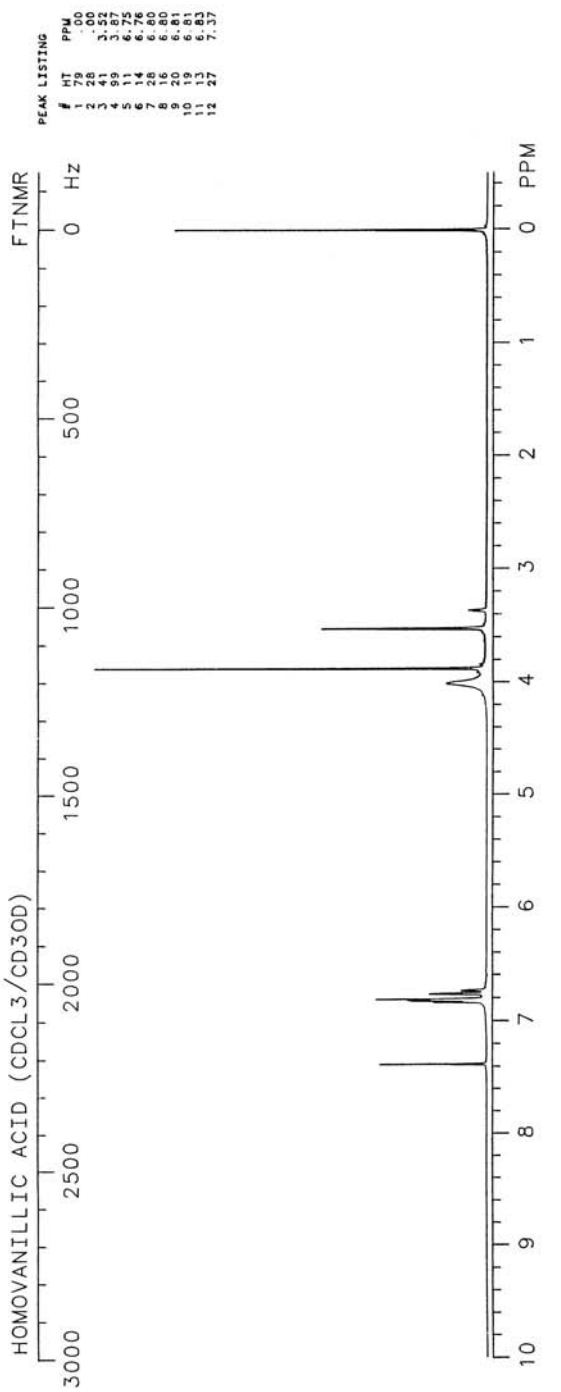
Molecular weight: 182.17 (182.06)
Synonyms: 4-Hydroxy-3-methoxybenzeneacetic acid; 4-Hydroxy-3-methoxyphenylacetic acid
Trade names:

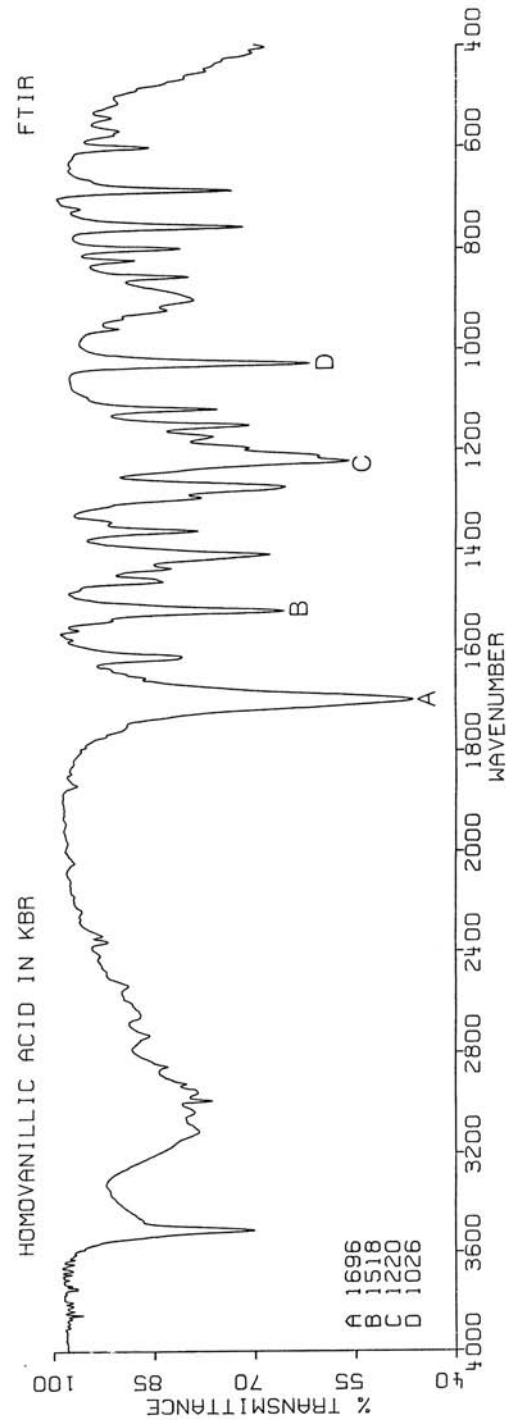
Use: Metabolite in human urine
HPLC: Si-10; 20A:80B; 4.4
GC: 1701; 200°C

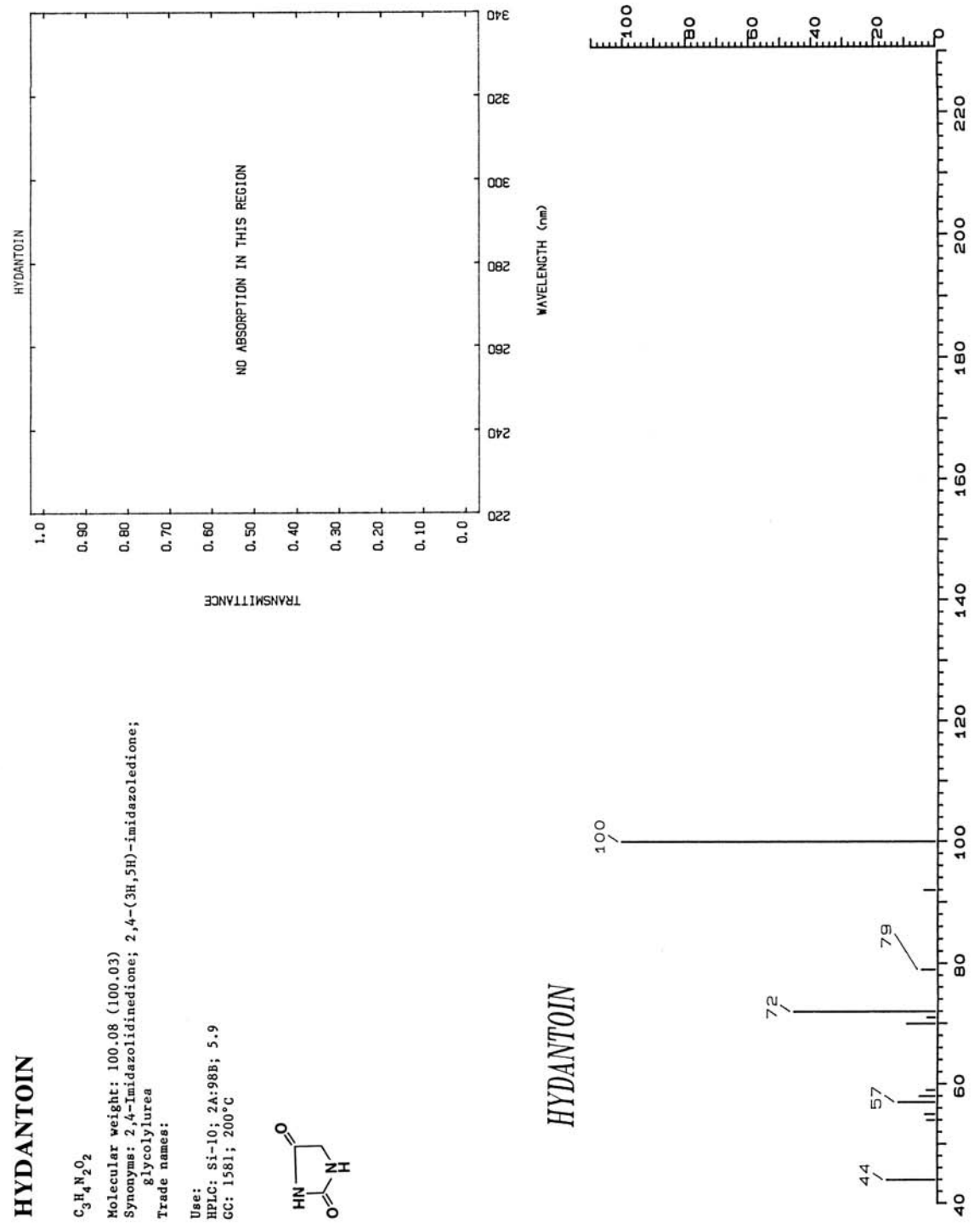


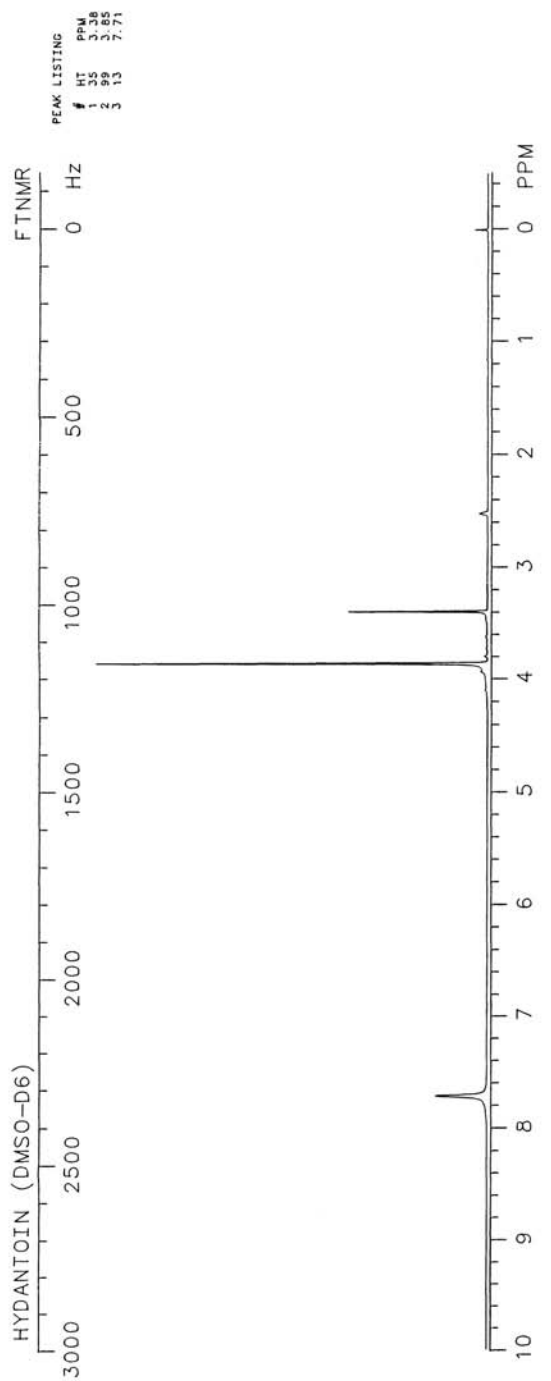


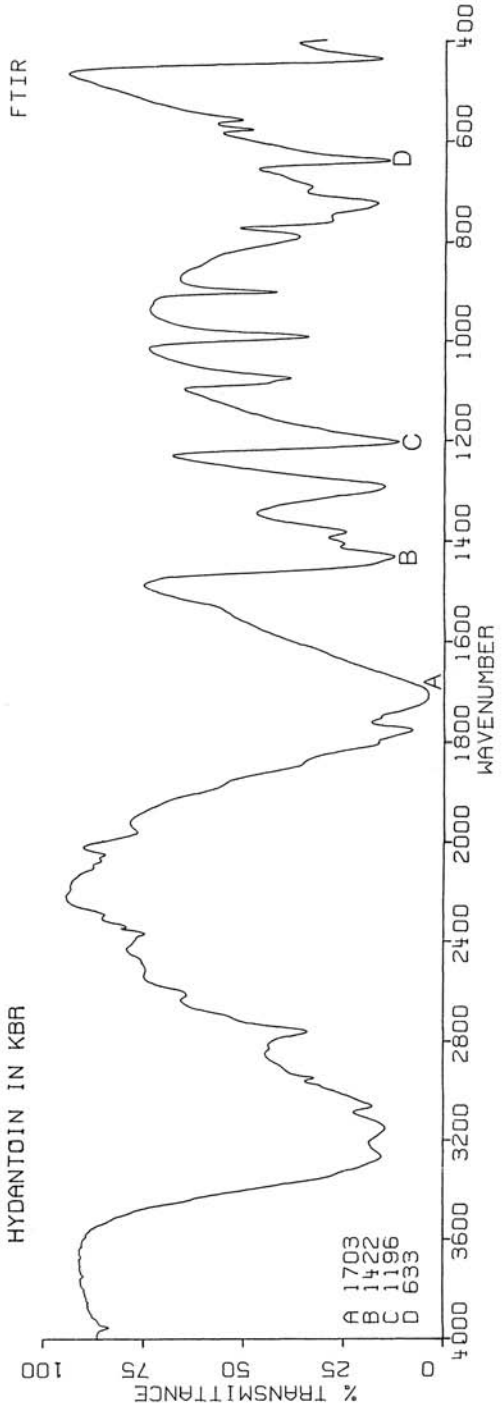



HOMOVANILLIC ACID (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 79 .00
2 28 .00
3 41 3.52
4 69 3.87
5 11 6.75
6 14 6.76
7 28 6.80
8 16 6.80
9 20 6.81
10 19 6.81
11 13 6.83
12 27 7.37
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HOMOVANILLIC ACID IN KBR
FTIR
A 1696
B 1518
C 1220
D 1026
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


HYDANTOIN
$C_3H_4N_2O_2$
Molecular weight: 100.08 (100.03)
Synonyms: 2,4-Imidazolidinedione; 2,4-(3H,5H)-imidazoledione; glycolylurea
Trade names:
Use:
HPLC: Si-10; 2A:98B; 5.9
GC: 158l; 200°C
HYDANTOIN
NO ABSORPTION IN THIS REGION
TRANSMITTANCE
WAVELENGTH (nm)
HYDANTOIN
100
72
79
57
44


HYDANTOIN (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 35 3.38
2 99 5.85
3 13 7.71
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDANTOIN IN KBR
FTIR
A 1703
B 1422
C 1196
D 633
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

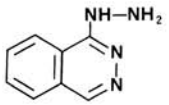
HYDRALAZINE

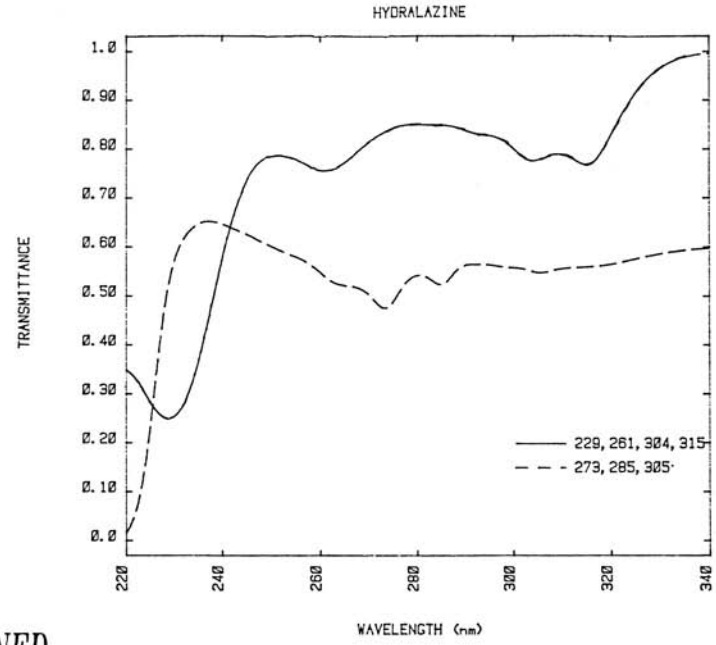
$C_8H_8N_4$

Molecular weight: 160.18 (160.08)
Synonyms: 1(2H)-Phthalazinone hydrazone; hydrallazine

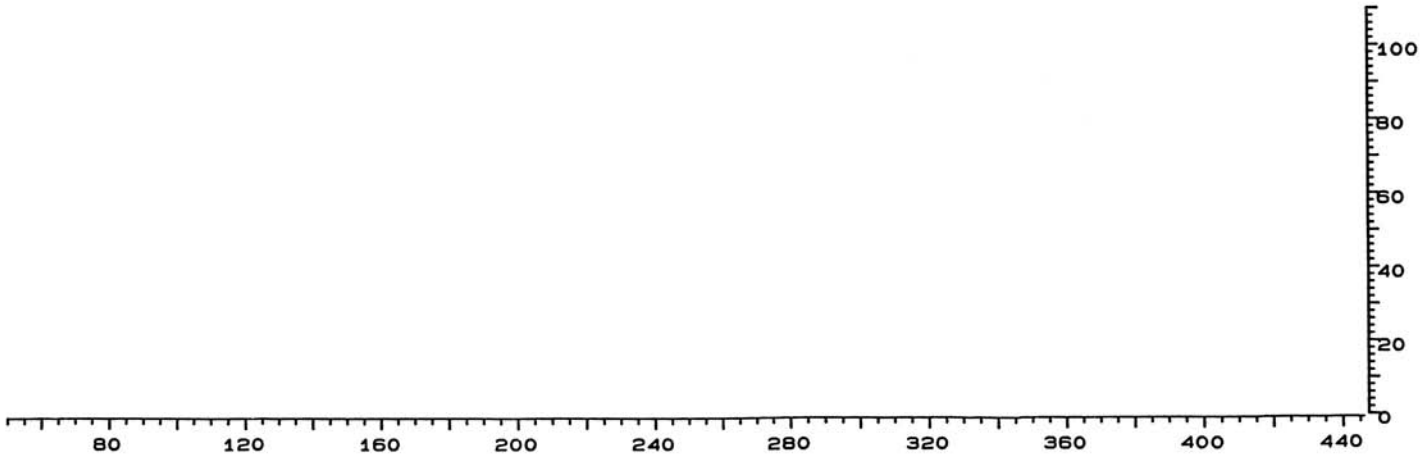
Trade names: Apresazide, Apresoline, Serpasil, Unipres

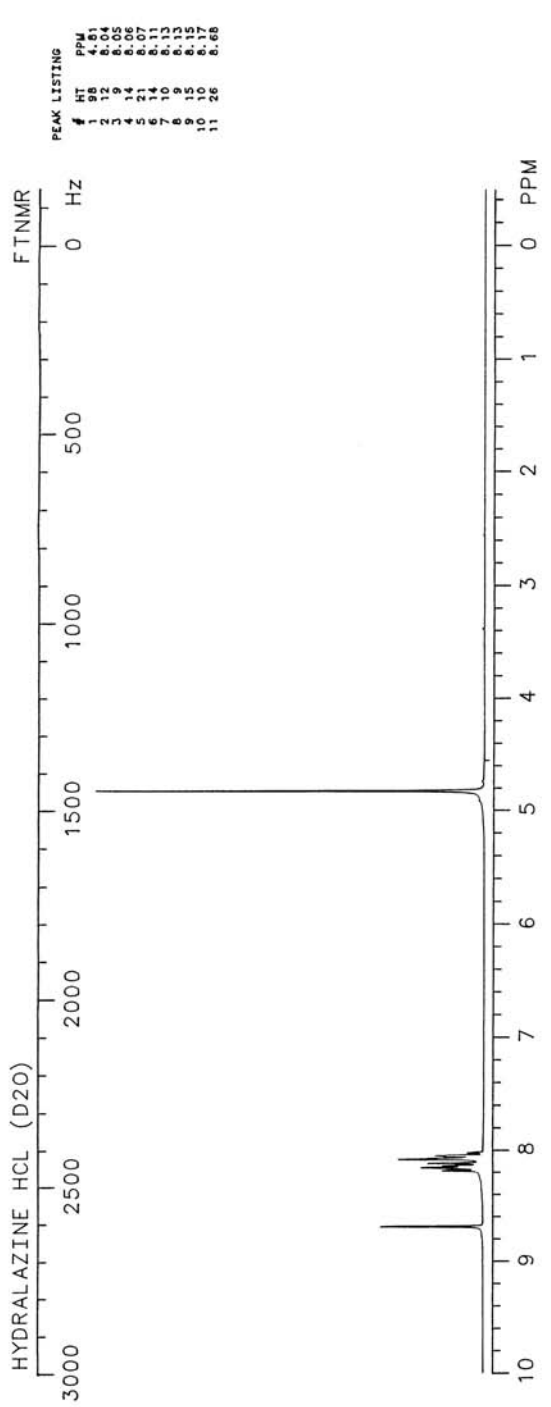
Use: Antihypertensive
HPLC: Si-10; 20A:80B; 4.0
GC:

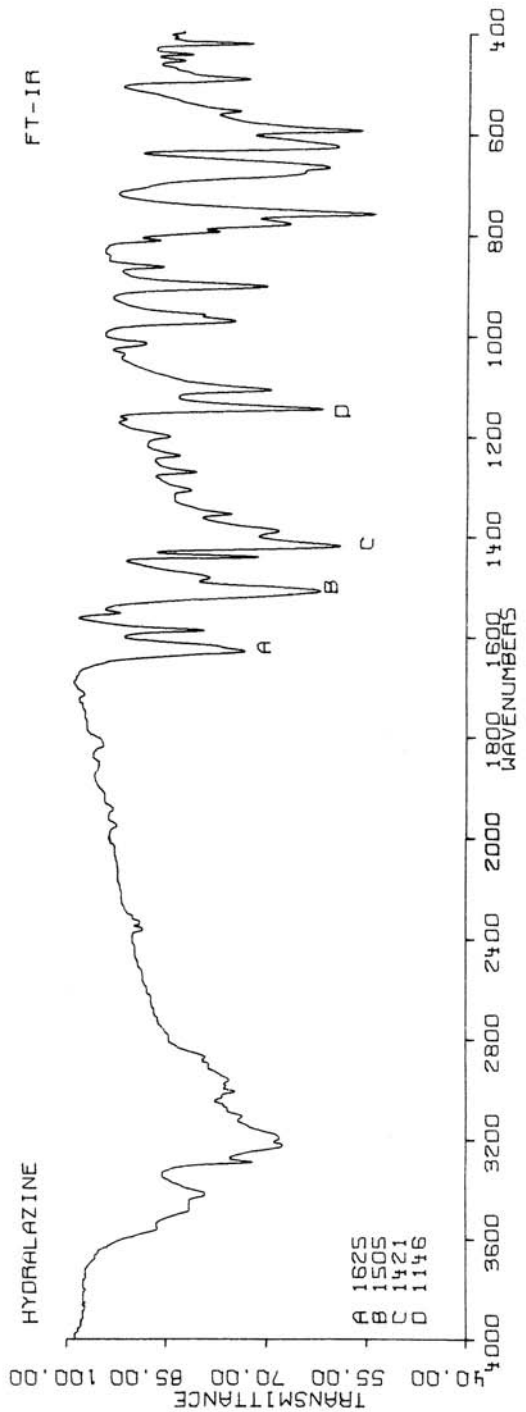




NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDRALAZINE 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 98 4.61
2 12 4.64
3 9 4.65
4 14 8.06
5 21 8.07
6 14 8.11
7 10 8.13
8 9 8.15
9 15 8.17
10 10 8.17
11 26 8.68

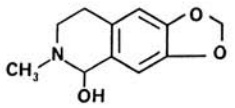

HYDRALAZINE
FT-IR
TRANSMITTANCE
100.00 85.00 70.00 55.00 50.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A
B
C
D
A 1625
B 1505
C 1421
D 1146

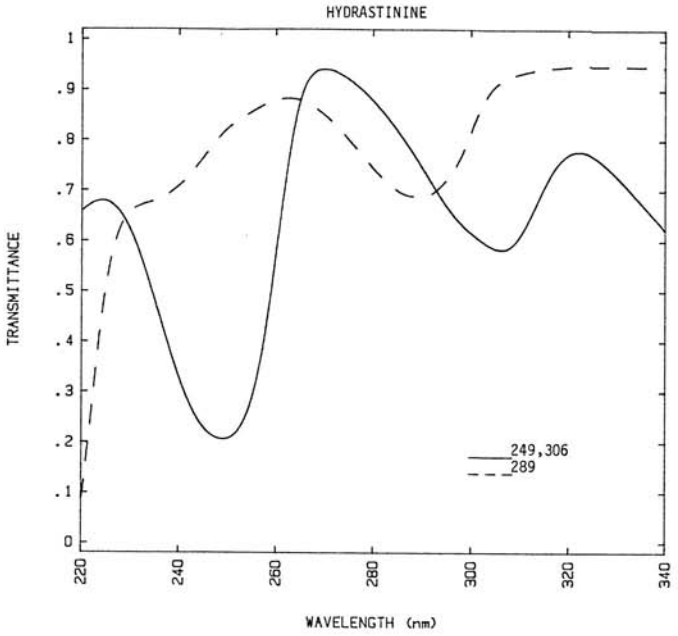
HYDRASTININE

$C_{11}H_{13}NO_3$

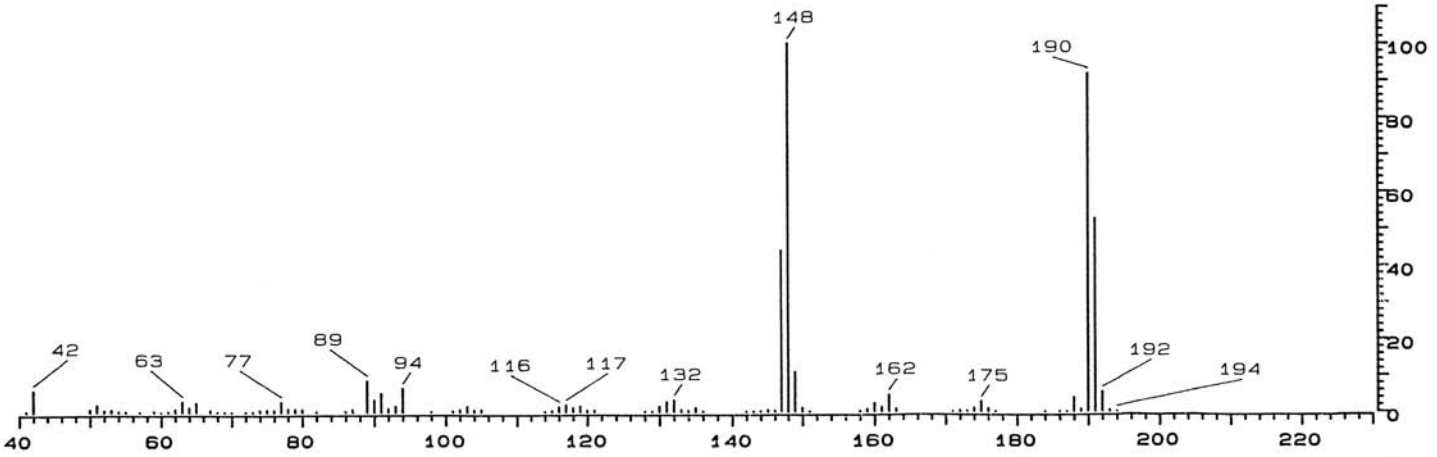
Molecular weight: 207.22 (207.09)
Synonyms: 5,6,7,8-Tetrahydro-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-ol
Trade names:

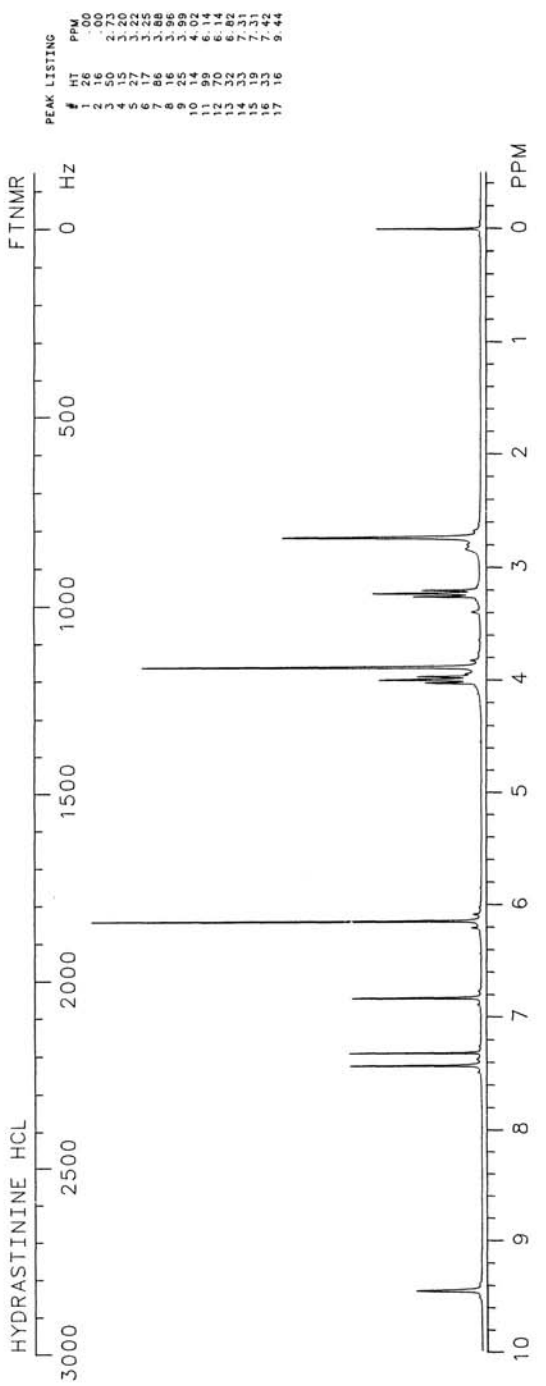
Use: Cardiotonic
HPLC: Si-10; 30A:70B; 6.9
GC: 1669; 200°C

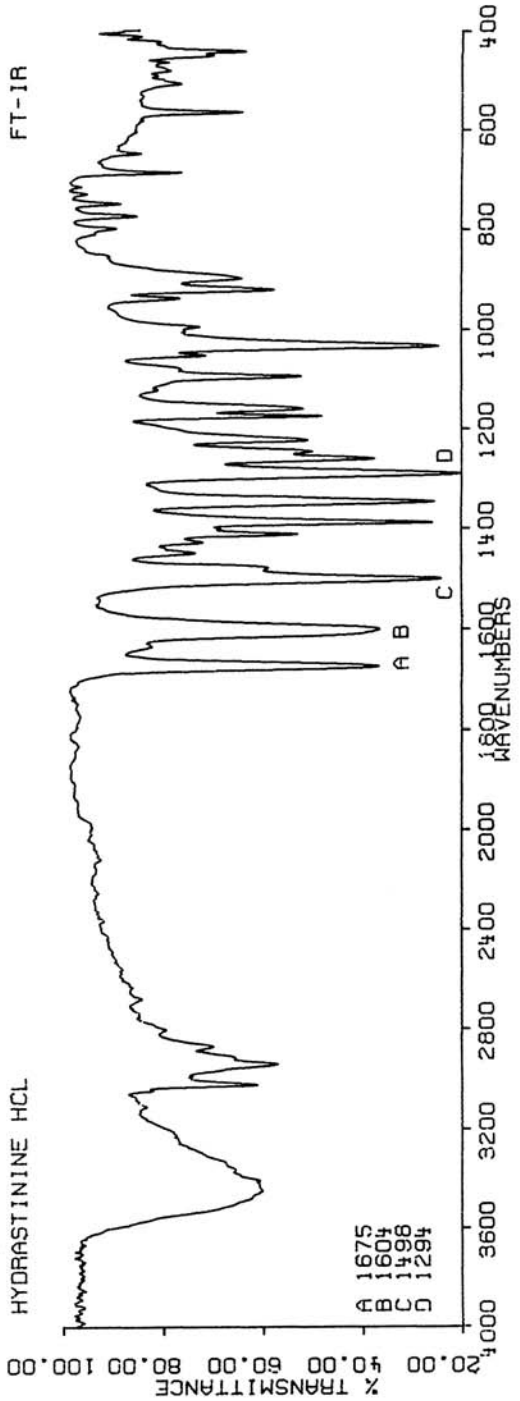




HYDRASTININE



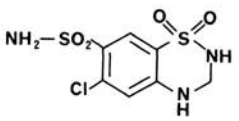

HYDRASTININE HCL
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 26 .00
2 16 2.73
3 50 3.20
4 15 3.22
5 27 3.25
6 17 3.65
7 86 3.86
8 16 3.96
9 25 3.99
10 14 4.02
11 99 6.14
12 70 6.82
13 32 7.11
14 33 7.31
15 19 7.42
16 33 9.44
17 16

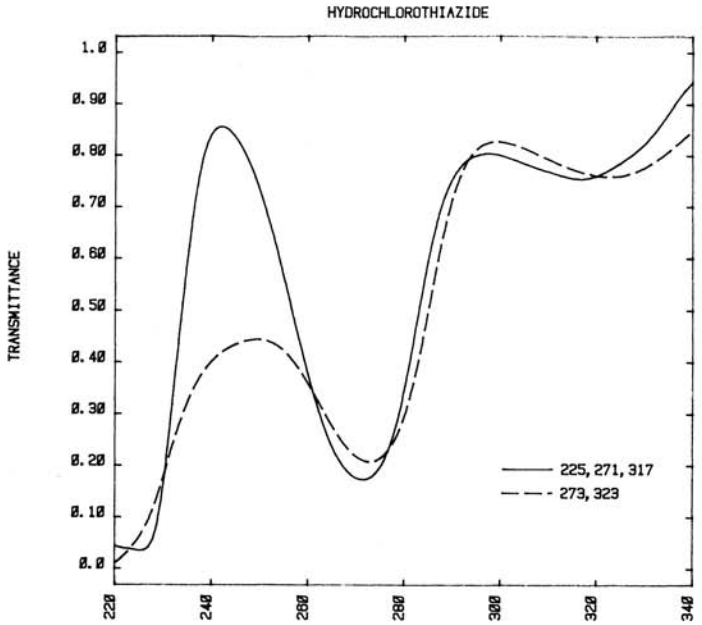

HYDRASTININE HCL
FT-IR
A 1675
B 1604
C 1498
D 1294
A B
C
D
% TRANSMITTANCE
20.00
40.00
60.00
80.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS

HYDROCHLOROTHIAZIDE

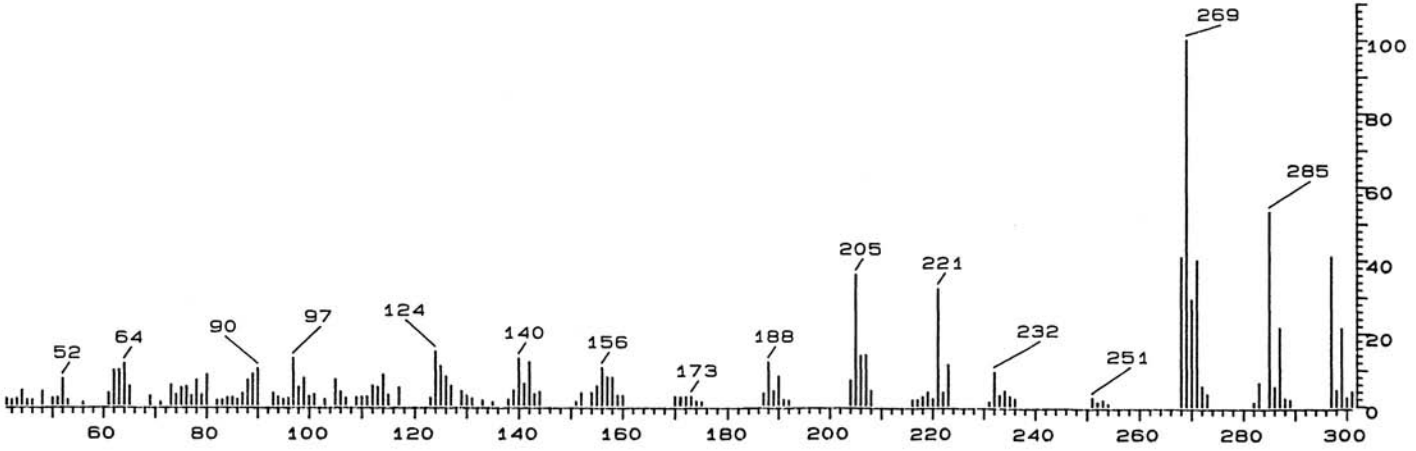
$C_7H_8ClN_3O_4S_2$

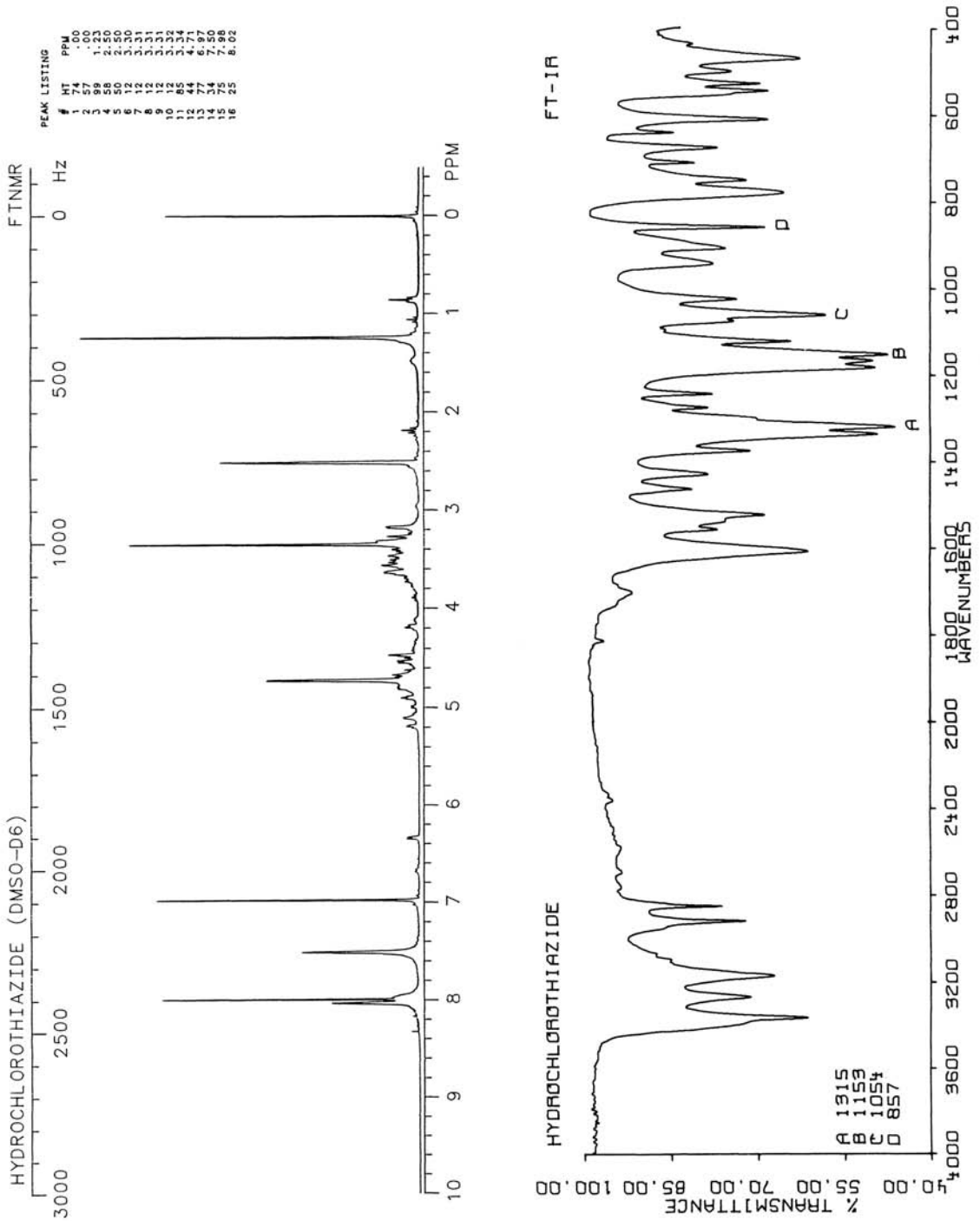
Molecular weight: 297.73 (296.97)
Synonyms: 6-Chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide
Trade names: Aldactazide, Aldoril, Apresazide, Dyazide, Esimil, HydroDiuril, Hydropres, Inderide, Oretic, Unipres
Use: Diuretic
HPLC: Si-10; 10A:90B; 4.5
GC:





HYDROCHLOROTHIAZIDE -- DIP



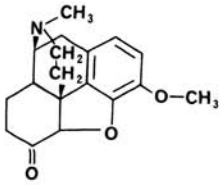

HYDROCHLOROTHIAZIDE (DMSO-D6)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 74 .00
2 57 .00
3 89 1.23
4 58 2.50
5 50 2.50
6 12 3.30
7 12 3.31
8 12 3.31
9 12 3.31
10 12 3.32
11 85 3.34
12 44 4.71
13 77 6.97
14 34 7.50
15 75 7.98
16 25 8.02
HYDROCHLOROTHIAZIDE
FT-IR
A 1315
B 1153
C 1054
D 857
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

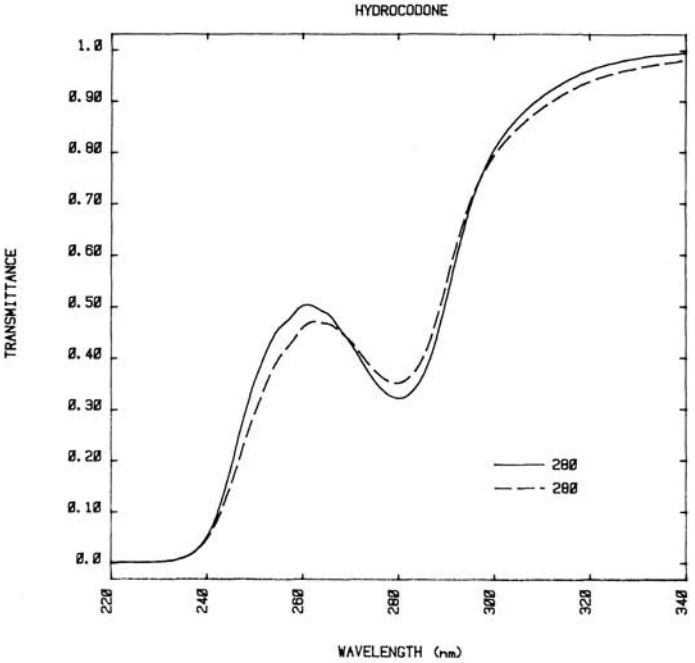
HYDROCODONE

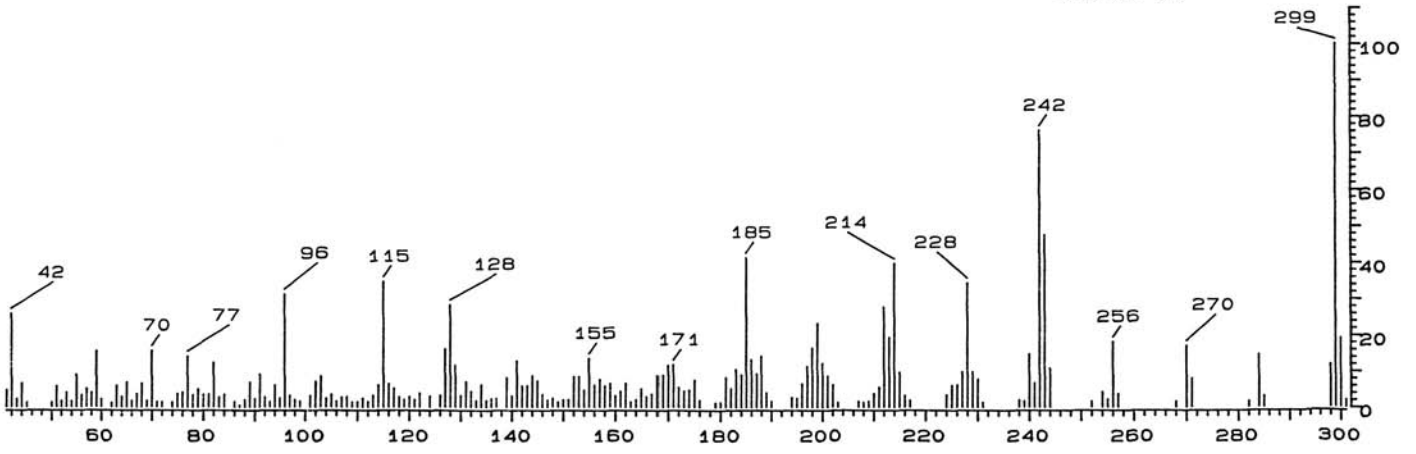
$C_{18}H_{21}NO_3$

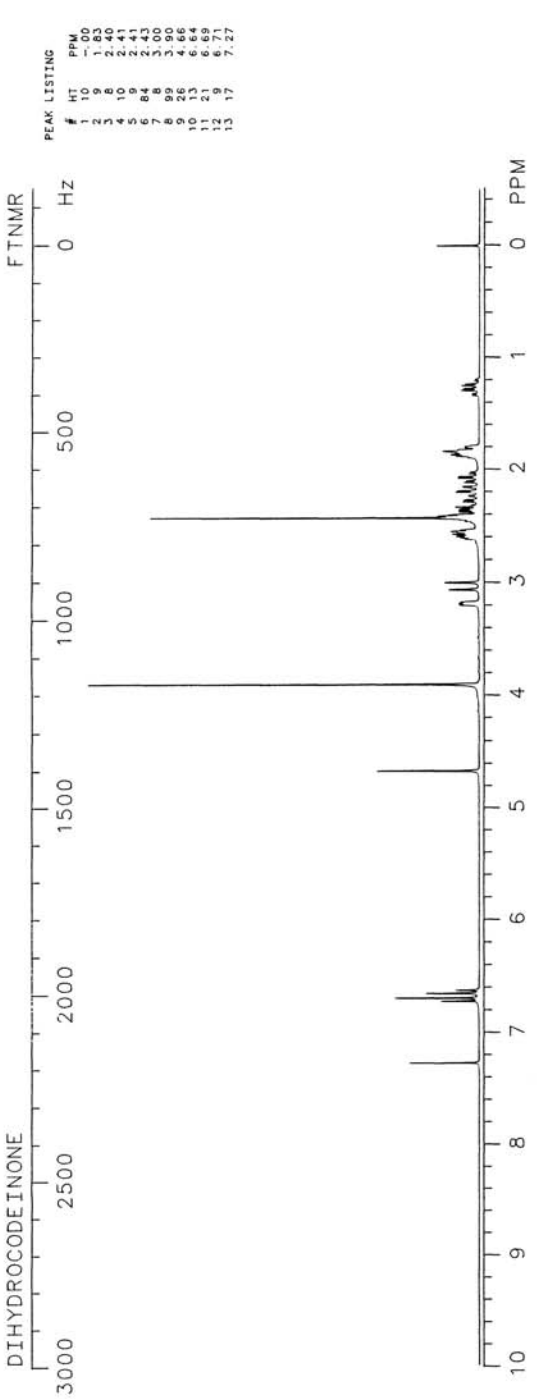
Molecular weight: 299.37 (299.15)
Synonyms: 4,5α-Epoxy-3-methoxy-17-methylmorphinan-6-one;
dihydrocodeinone
Trade names: Dicodid, Hycodan, Tussend, Triaminic, Tussionex

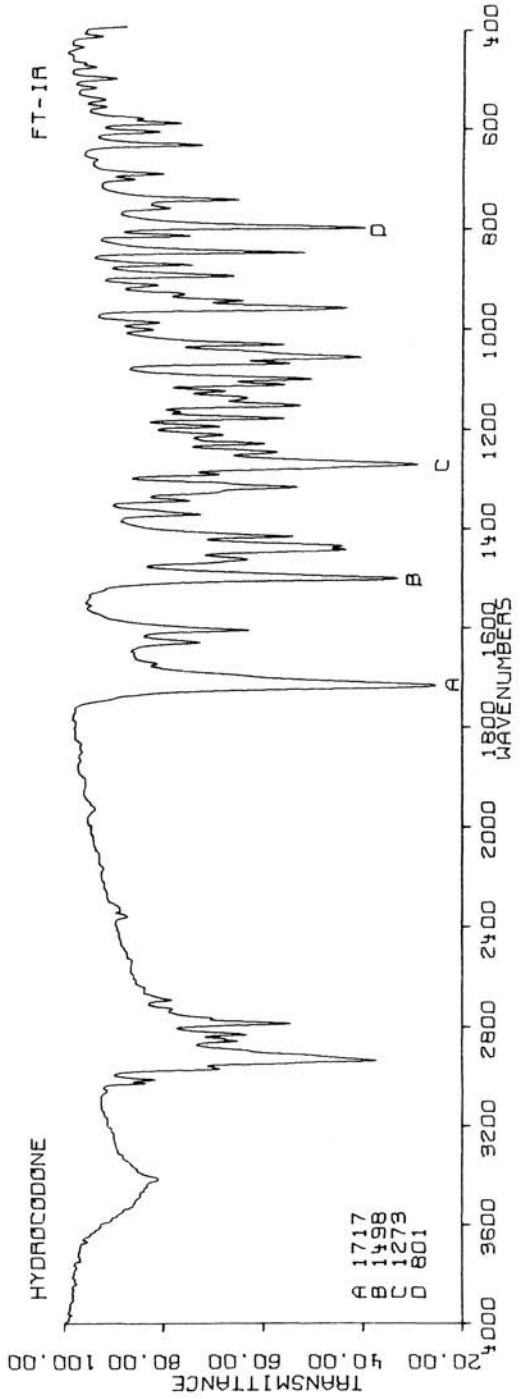
Use: Narcotic analgesic, antitussive
HPLC: Si-10; 5A:95B; 8.0
GC: 2506; 250°C








DIHYDROCODEINONE
FTNMR
PEAK LISTING
HT PPM
1 10 -.00
2 9 1.83
3 8 2.40
4 10 2.41
5 9 2.41
6 84 2.43
7 8 3.00
8 99 3.90
9 26 4.66
10 13 6.64
11 21 6.69
12 9 6.71
13 17 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

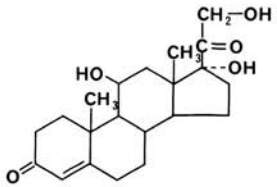

HYDROCODONE
FT-IR
A 1717
B 1498
C 1273
D 801
TRANSMITTANCE
20.00 40.00 60.00 80.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

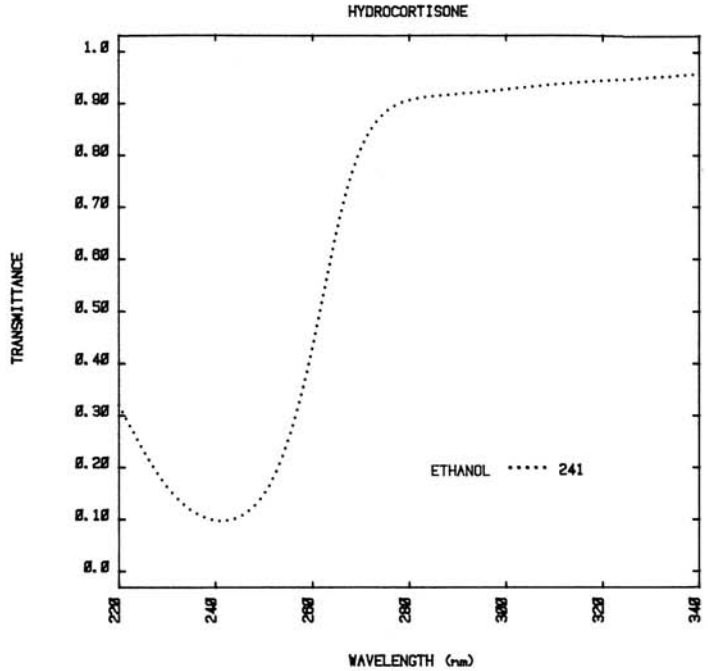
HYDROCORTISONE

$C_{21}H_{30}O_5$

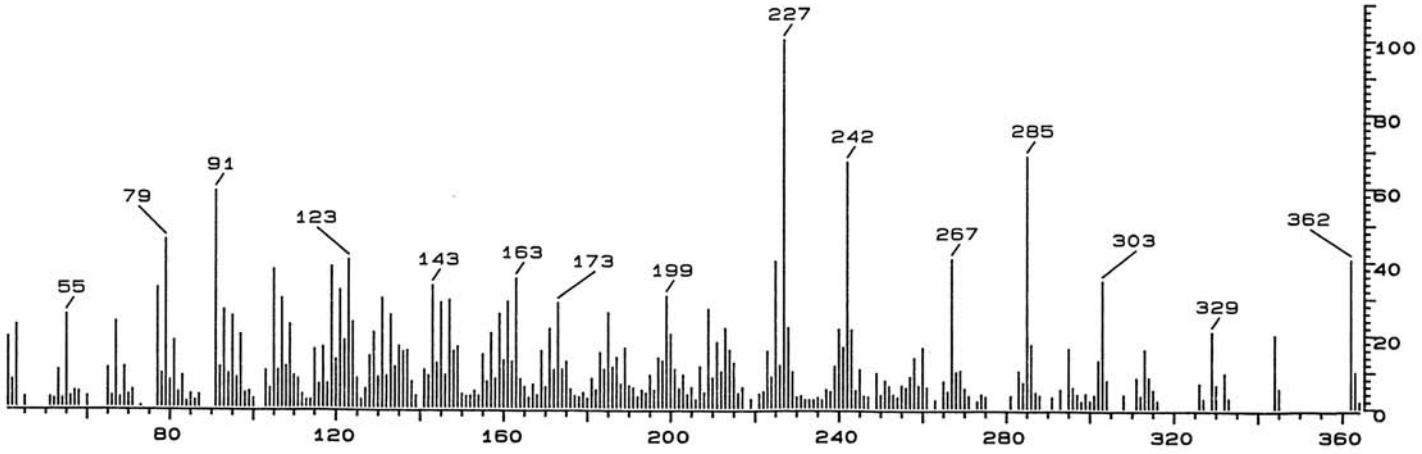
Molecular weight: 362.47 (362.21)
Synonyms: 11β,17,21-Trihydroxypregn-4-ene-3,20-dione;
17-hydroxycorticosterone
Trade names: Acticort, Corticaine, Dermacort, Hydrocortisone

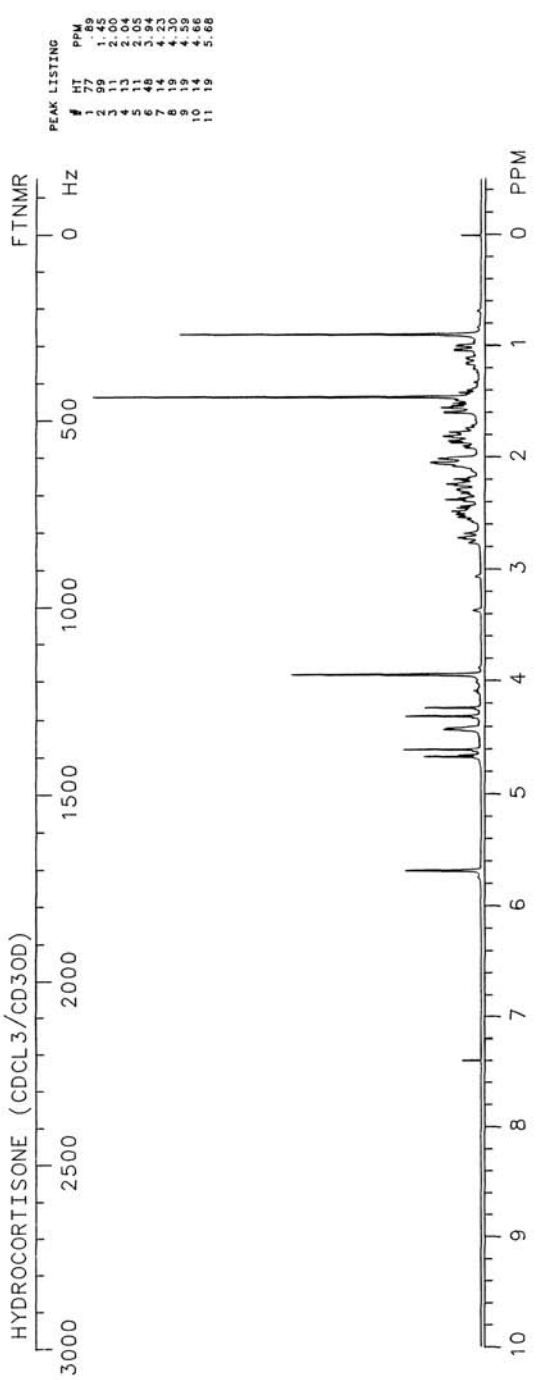
Use: Steroid, glucocorticoid
HPLC: Si-10; 5A:95B; 4.5
GC:

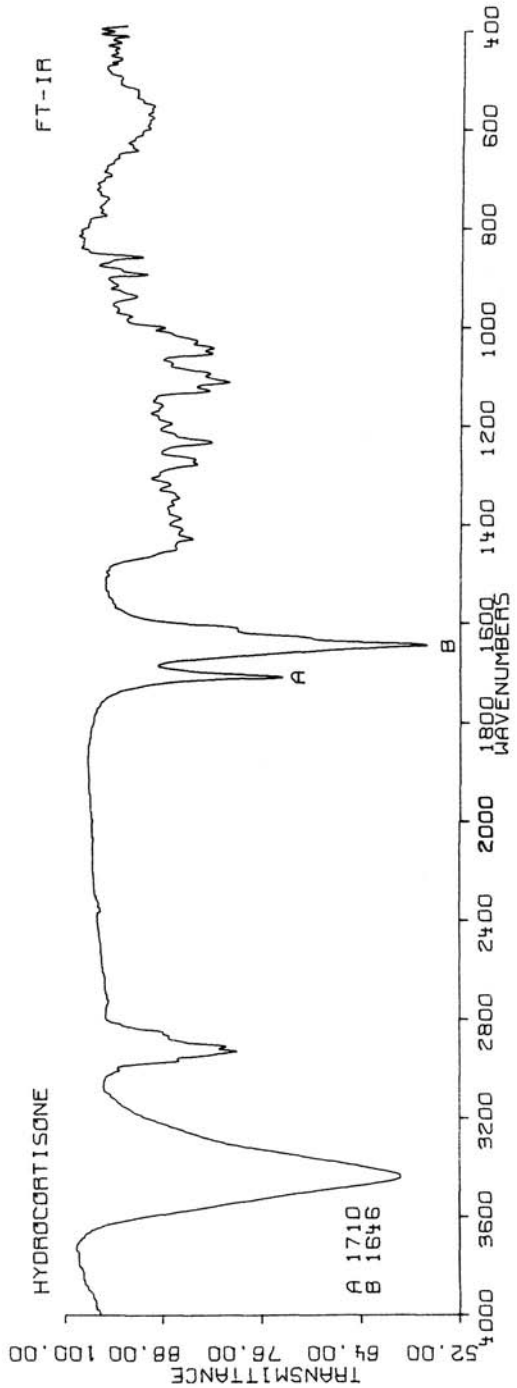




HYDROCORTISONE




HYDROCORTISONE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 77 .89
2 99 1.45
3 11 2.00
4 13 2.04
5 11 2.05
6 48 3.94
7 14 4.23
8 19 4.30
9 19 4.59
10 14 4.66
11 19 5.68
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDROCORTISONE
FT-IR
A 1710
B 1646
A
B
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

HYDROCORTISONE–21–ACETATE

$C_{23}H_{32}O_6$

Molecular weight: 404.51 (404.22)

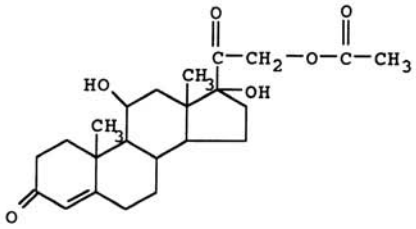
Synonyms: 21-Acetoxy-4-pregnene-11β,17α,21-triol-3,20-dione; 11β,17α,21-trihydroxy-4-pregnene-3,20-dione-21-acetate; cortisol acetate

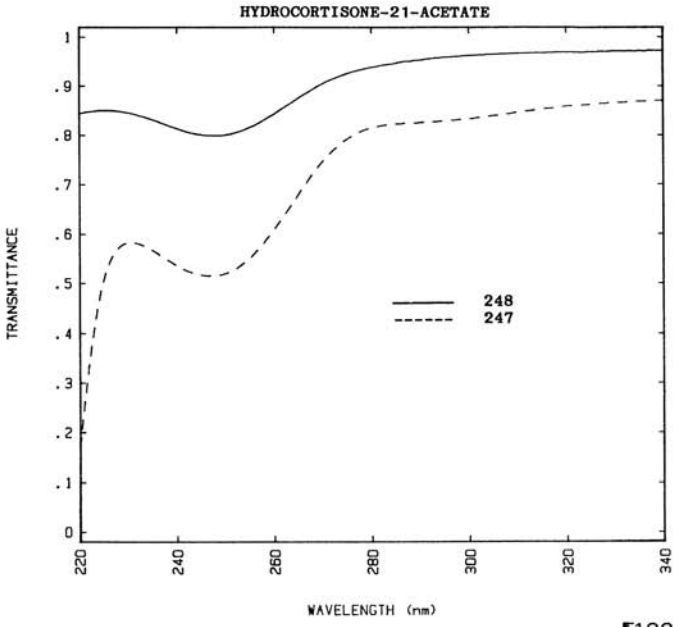
Trade names: Analpram, Anusol, Biocortan, Carmol, Colifoam, Colofoam, Cortaid, Cortes, Chloromycetin, Coly-Mycin, Corticaine, Cortisporin, Epifoam, Hydrocortisat, Hhdrocortistab, Hydrocortone Acetate, Lanacort, Lenirit, Litraderm, Mantadil Medicone, Orabase, Pabracort, Pramosone, Protocream, Proctofoam, Sintotrat, Velopural

Use: Anti-inflammatory

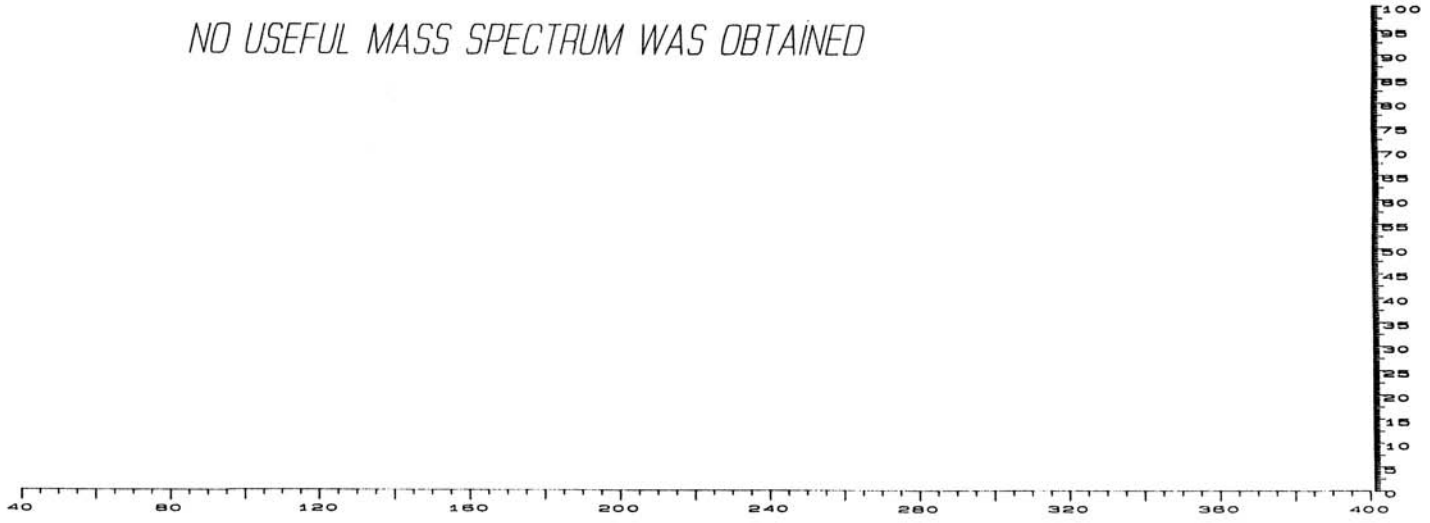
HPLC: 70A:30B; 2.4

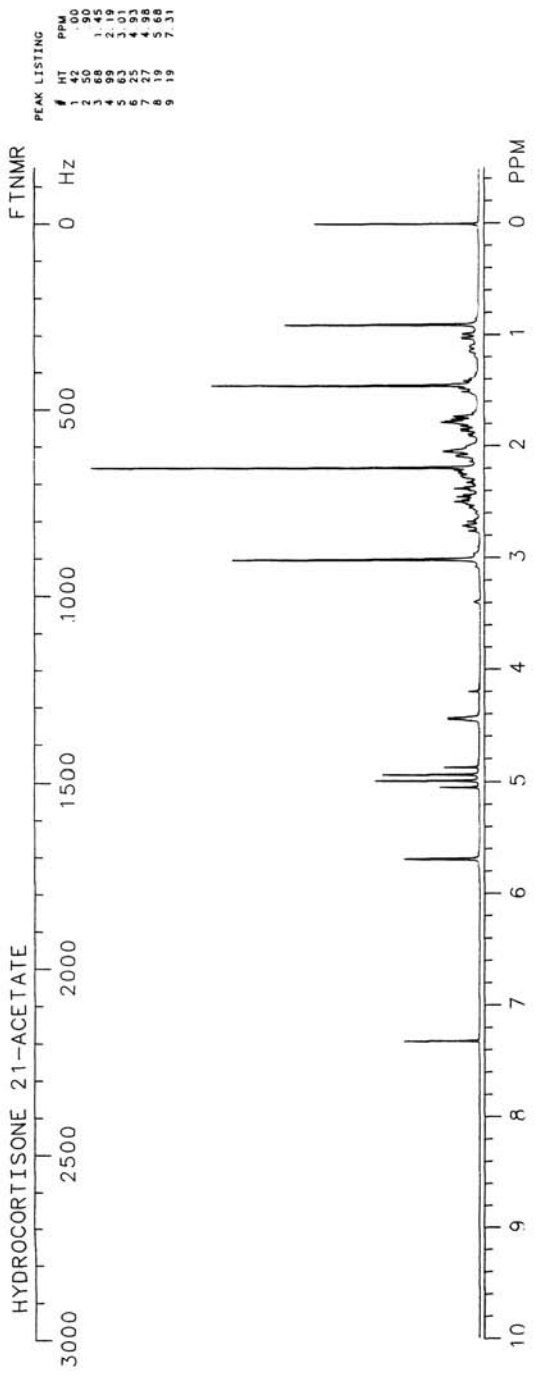
GC: 2862; 280°

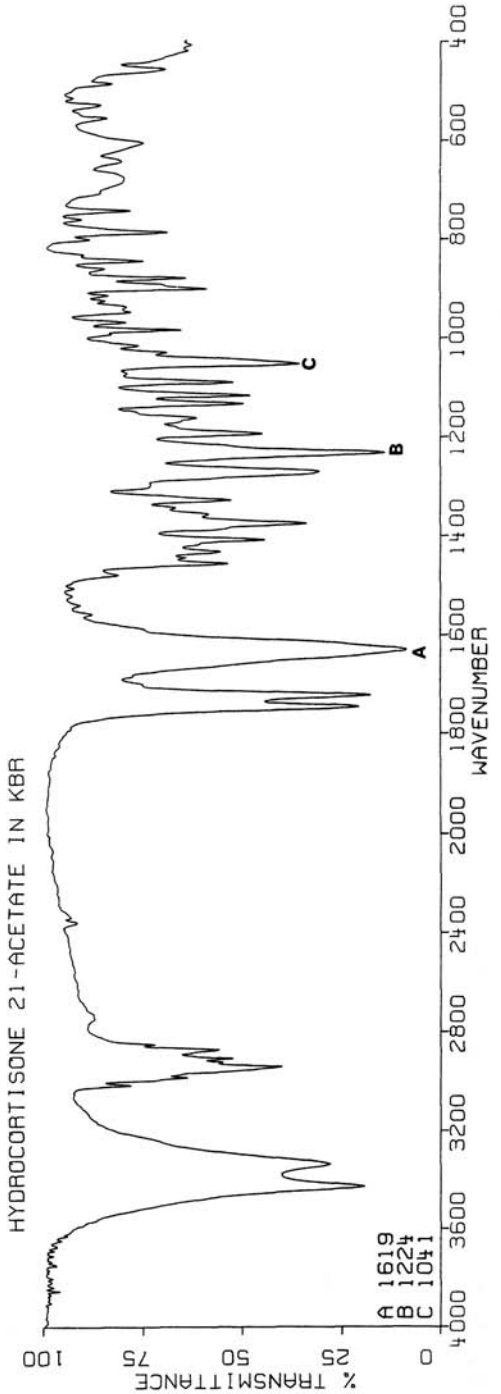




NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROCORTISONE 21-ACETATE
FTNMR
PEAK LISTING
HT PPM
1 42 .00
2 50 .90
3 68 1.45
4 99 2.19
5 63 3.01
6 25 4.93
7 27 4.98
8 19 5.68
9 19 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDROCORTISONE 21-ACETATE IN KBR
A 1619
B 1224
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

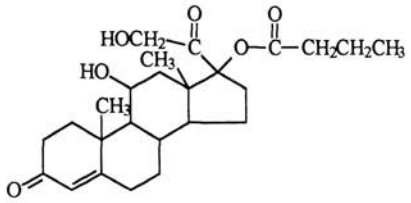
HYDROCORTISONE-17-BUTYRATE

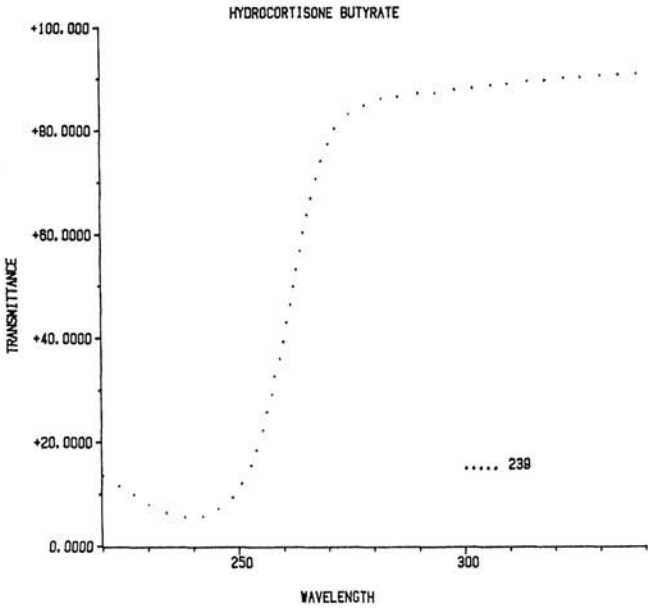
$C_{25}H_{36}O_6$

Molecular Weight: 432.56 (432.25)

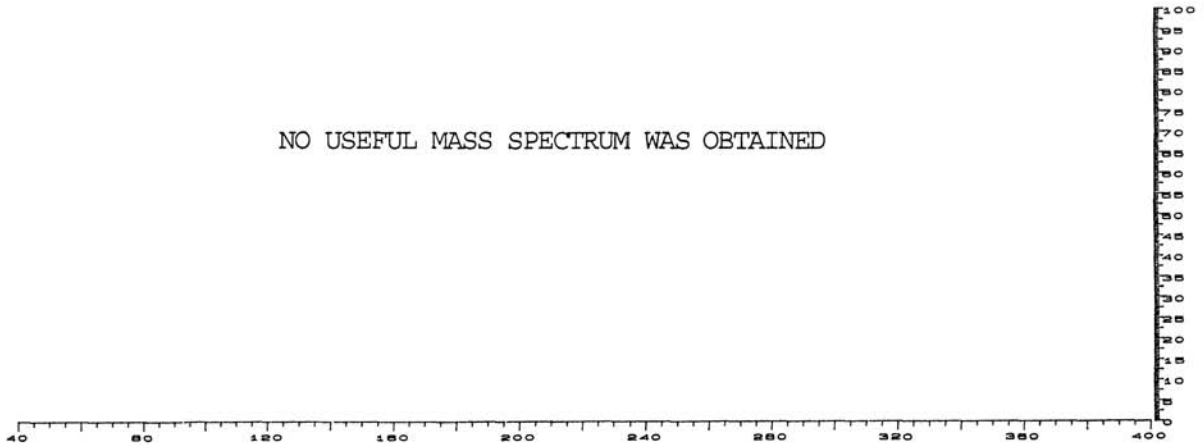
Synonyms: 11β,17,21-Trihydroxypregn-4-ene-3,20-dione-17-butyrate; cortisol-17-butyrate
Trade Names: Alfason, Locoid, Plancol
Use: Anti-inflammatory

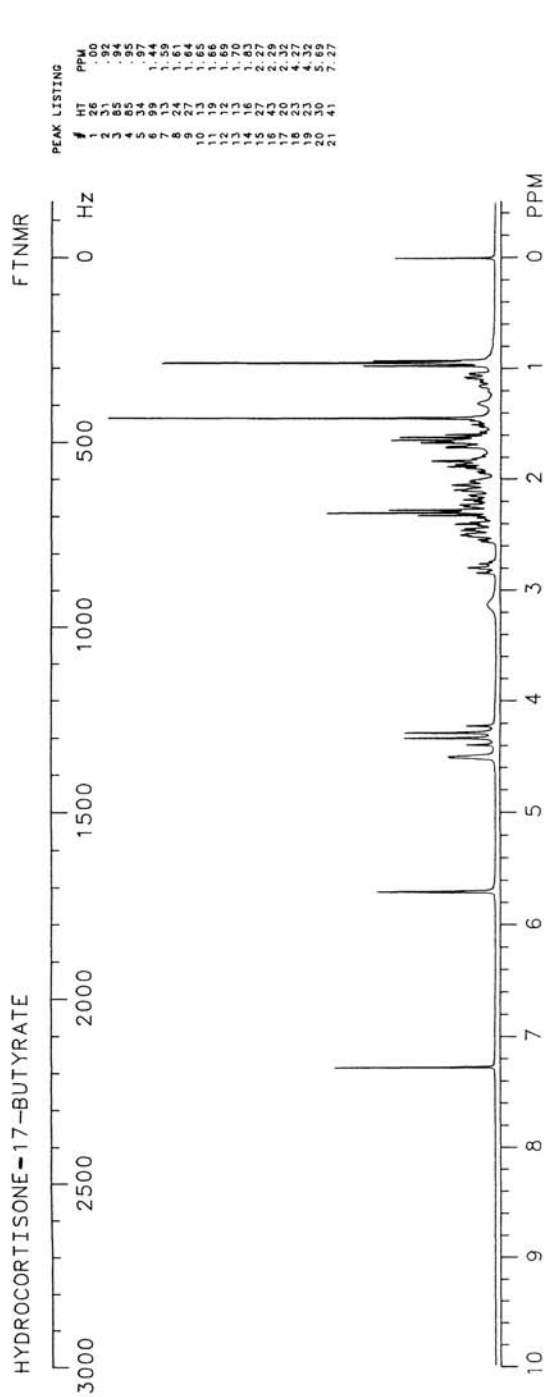
HPLC: Methanol: 3.0
GC:

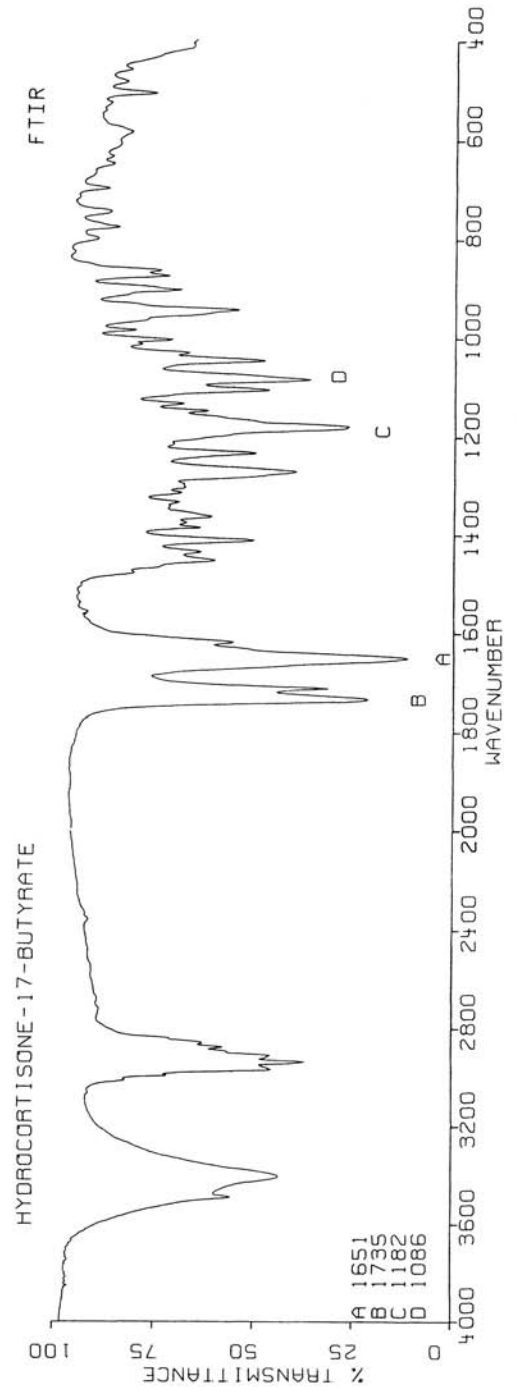




NO USEFUL MASS SPECTRUM WAS OBTAINED




FTNMR
HYDROCORTISONE-17-BUTYRATE
PEAK LISTING
HT PPM
1 26 .00
2 31 .92
3 85 .94
4 85 .95
5 94 1.44
6 99 1.59
7 13 1.61
8 24 1.64
9 27 1.65
10 13 1.66
11 19 1.66
12 13 1.70
13 13 1.83
14 16 2.27
15 27 2.29
16 43 2.32
17 20 2.37
18 23 4.32
19 23 4.32
20 30 5.69
21 41 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
HYDROCORTISONE-17-BUTYRATE
A 1651
B 1735
C 1182
D 1086
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

HYDROCORTISONE–21–CAPRYLATE

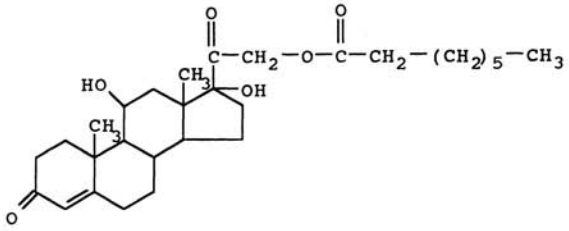
$C_{29}H_{44}O_6$

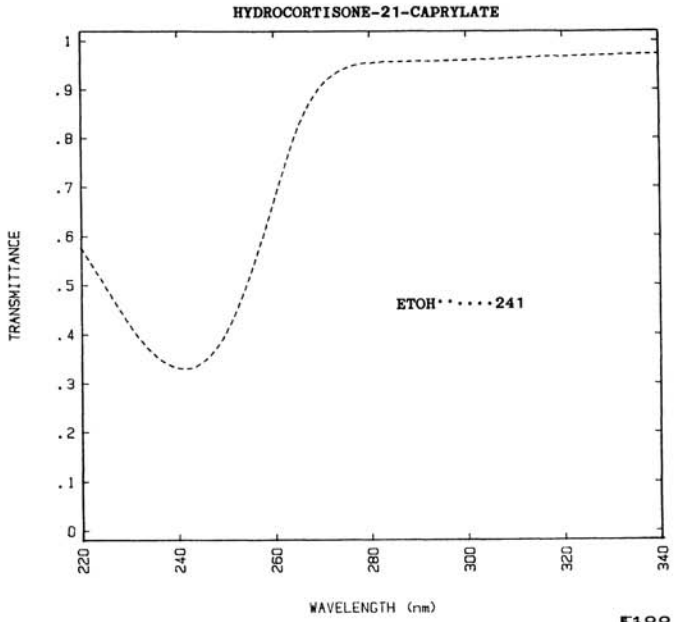
Molecular weight: 488.66 (488.31)

Synonyms: 11β,17α,21-Trihydroxy-4-pregnene-3,20-dione-21-caprylate; cortisol octanoate; hydrocortisone-21-octanoate

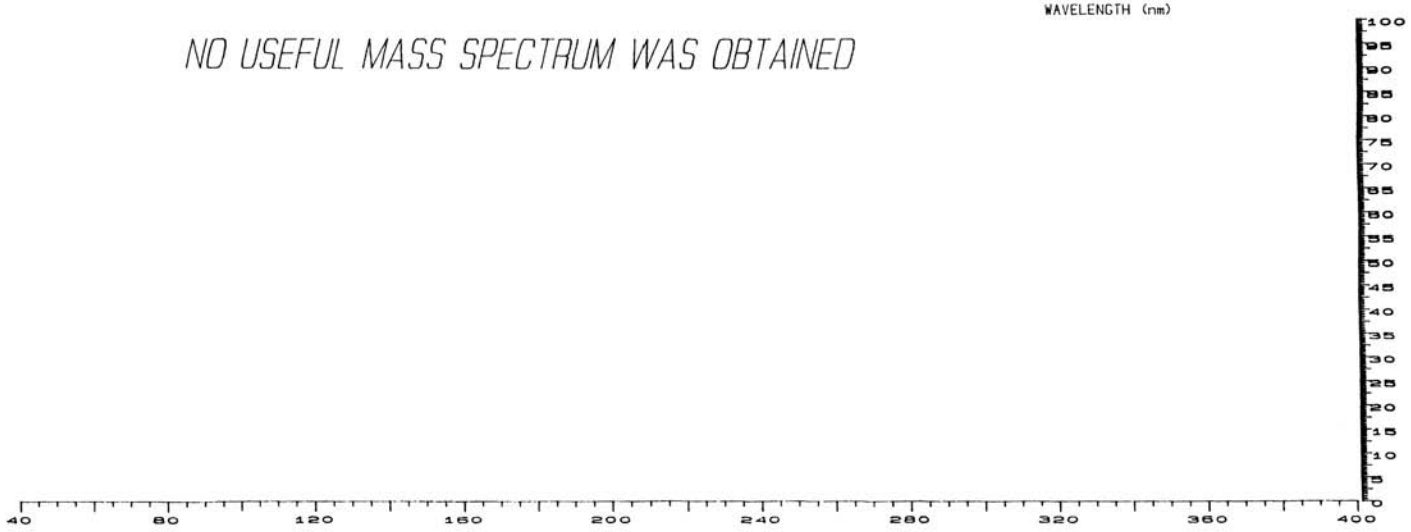
Trade names:

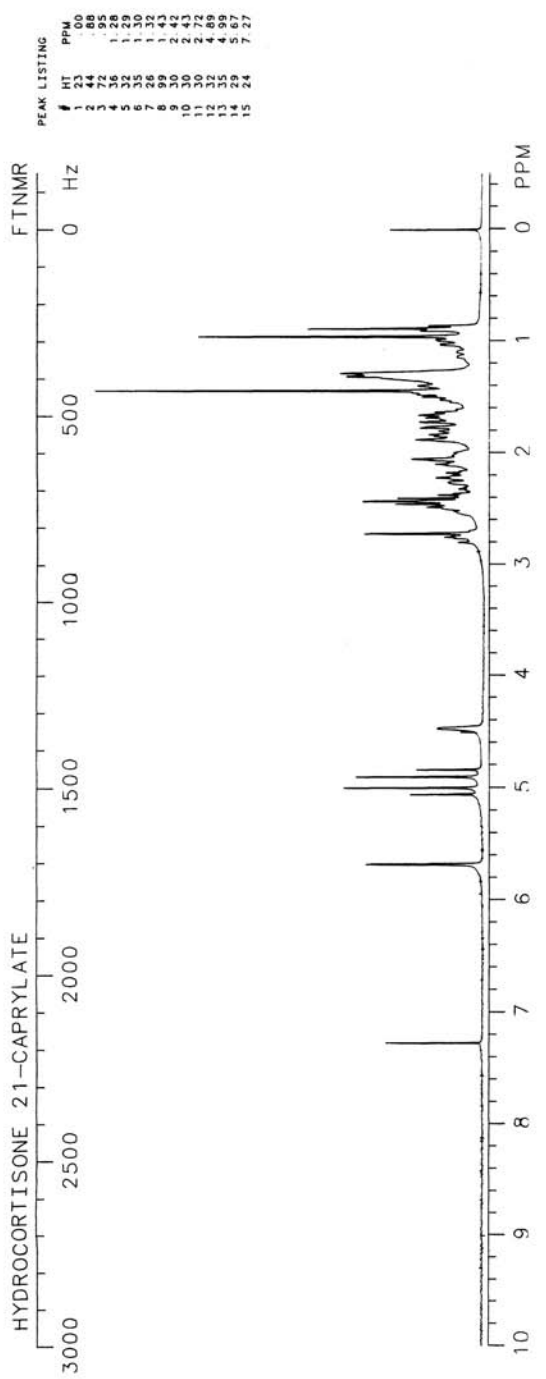
Use: Anti-inflammatory
HPLC: 90A:10B; 2.2
GC: 2874; 280°

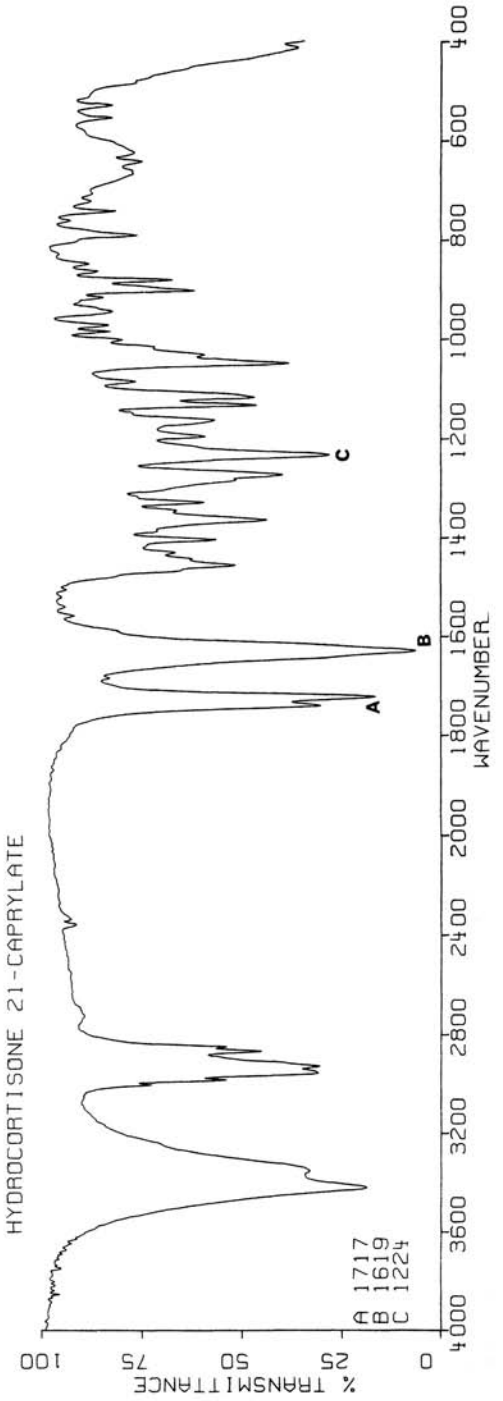




NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROCORTISONE 21-CAPRYLATE
FTNMR
PEAK LISTING
HT PPM
1 23 .00
2 44 .88
3 72 .95
4 36 1.28
5 32 1.29
6 35 1.30
7 26 1.32
8 99 1.43
9 30 2.42
10 30 2.43
11 30 2.72
12 32 4.69
13 35 4.99
14 29 5.67
15 24 7.27
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDROCORTISONE 21-CAPRYLATE
A 1717
B 1619
C 1224
A
B
C
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

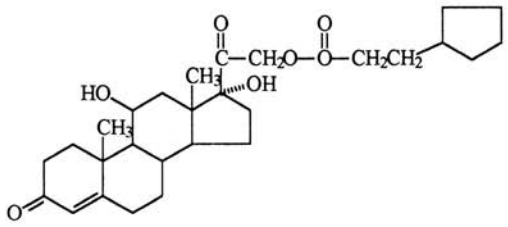
HYDROCORTISONE-21-CYPIONATE

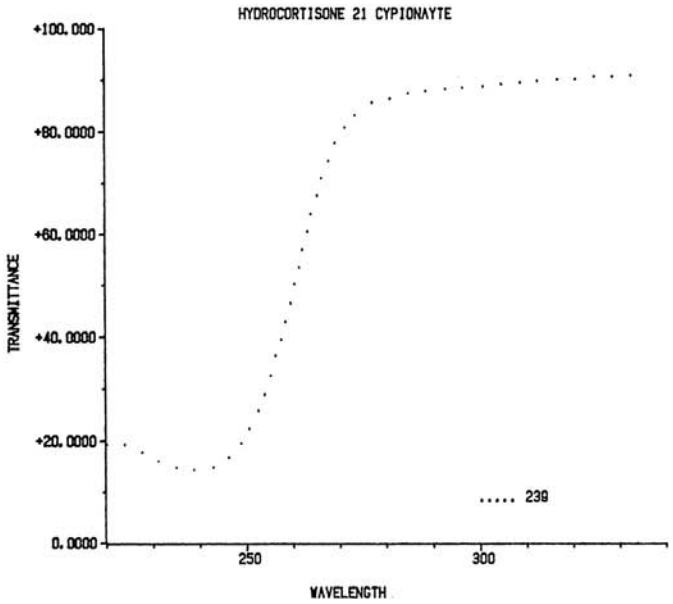
$C_{29}H_{42}O_6$

Molecular Weight: 486.65 (486.30)

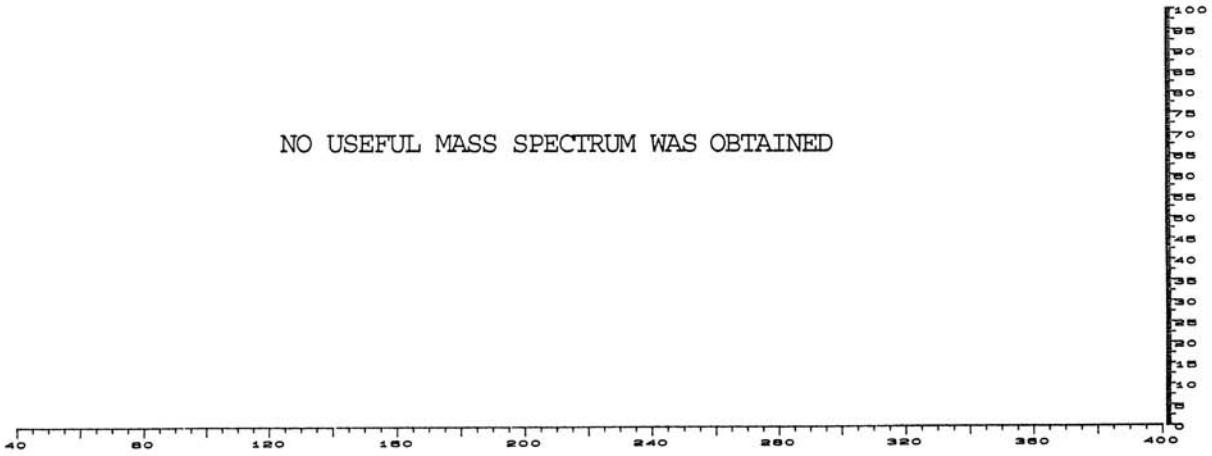
Synonyms: 11β,17,21-Trihydroxypregn-4-ene-3,20-dione-21-cypionate; cortisol-21-cyclopentanepropionate
Trade Names:
Use: Anti-inflammatory

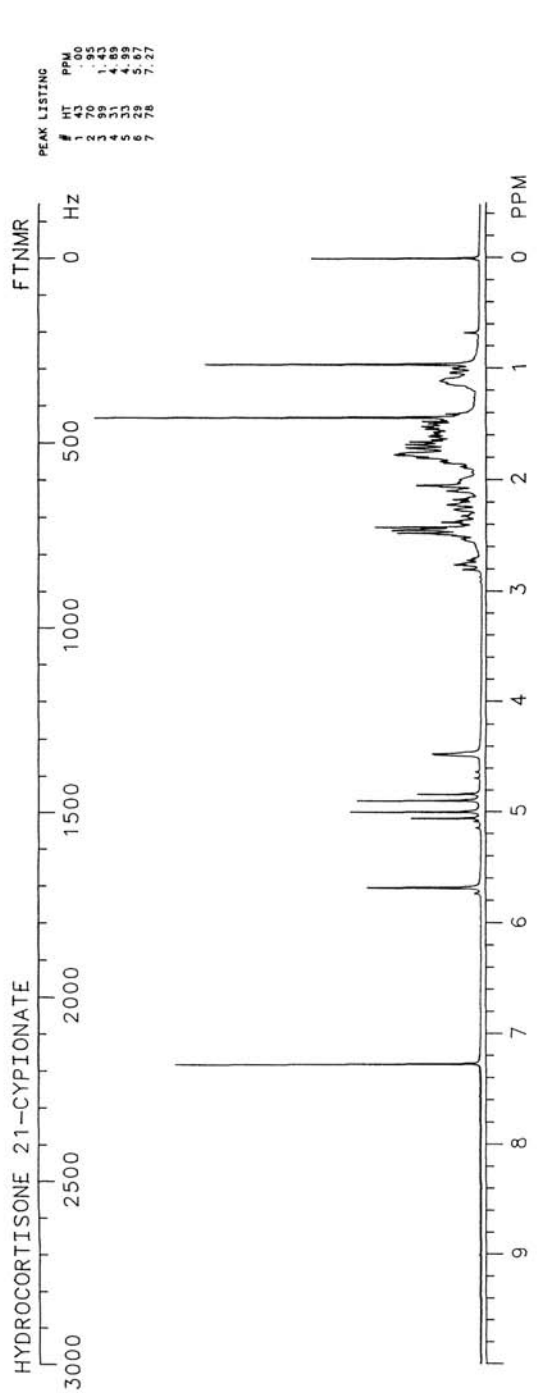
HPLC: Methanol: 3.5
GC:

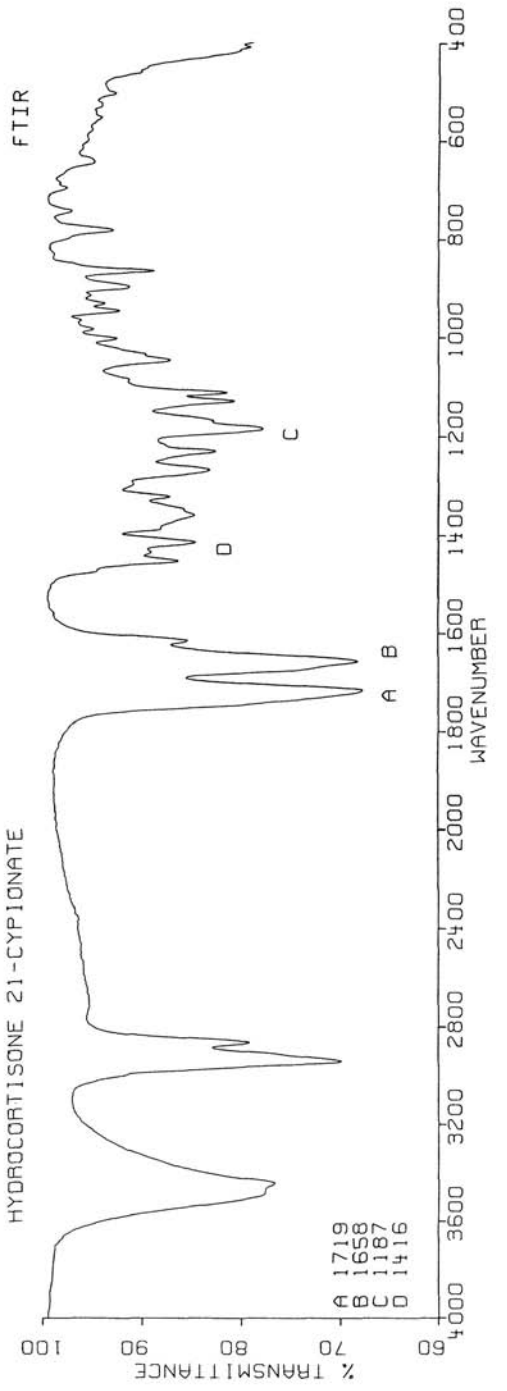




NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROCORTISONE 21-CYPIONATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 PPM
PEAK LISTING
HT PPM
1 43 .00
2 70 .95
3 99 1.43
4 31 1.89
5 33 4.99
6 29 5.67
7 78 7.27


HYDROCORTISONE 21-CYPIONATE
FTIR
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A B C D
A 1719
B 1658
C 1187
D 1416

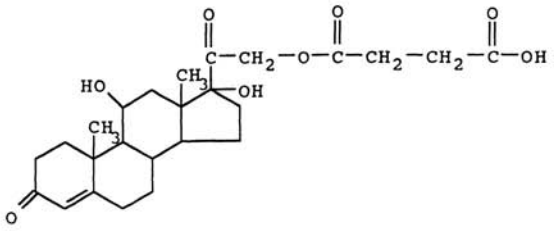
HYDROCORTISONE–21–HEMISUCCINATE

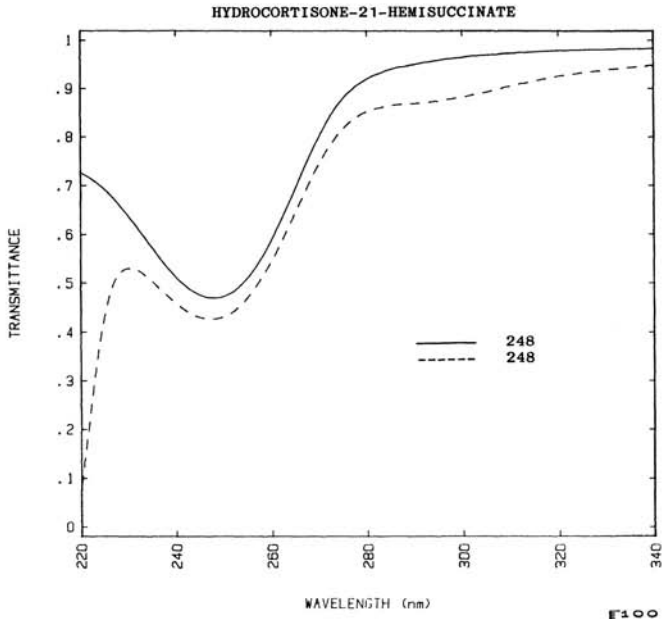
$C_{25}H_{34}O_8$

Molecular weight: 462.47 (462.23)

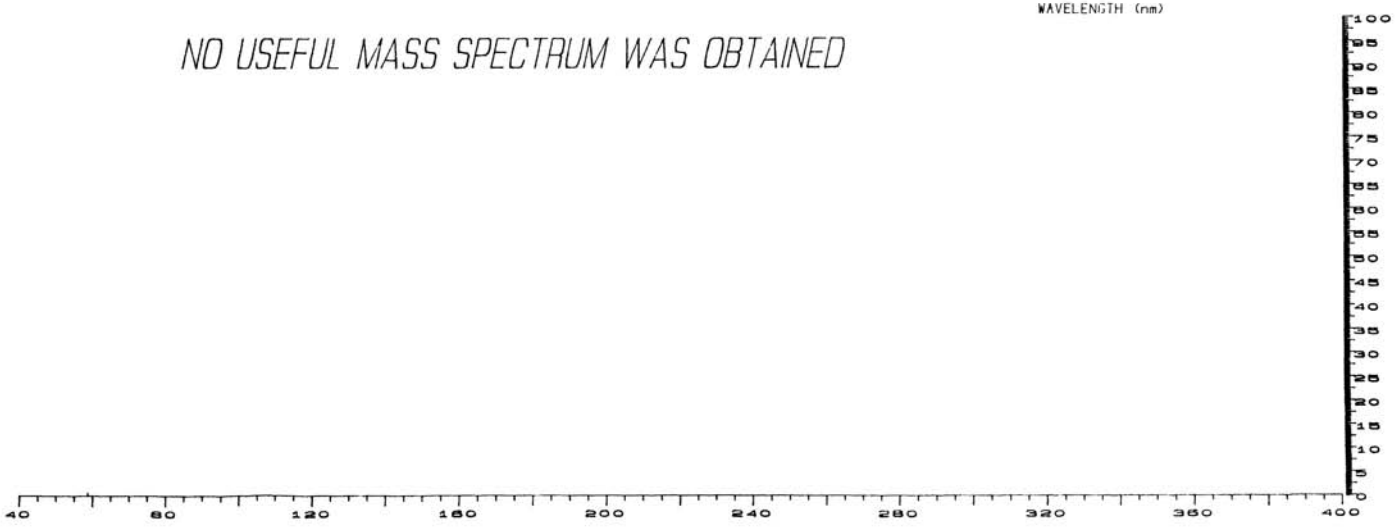
Synonyms: 11β,17α,21-Trihydroxy-4-pregnene-3,20-dione-21-hemisuccinate; cortisol-21-hemisuccinate
Trade names:

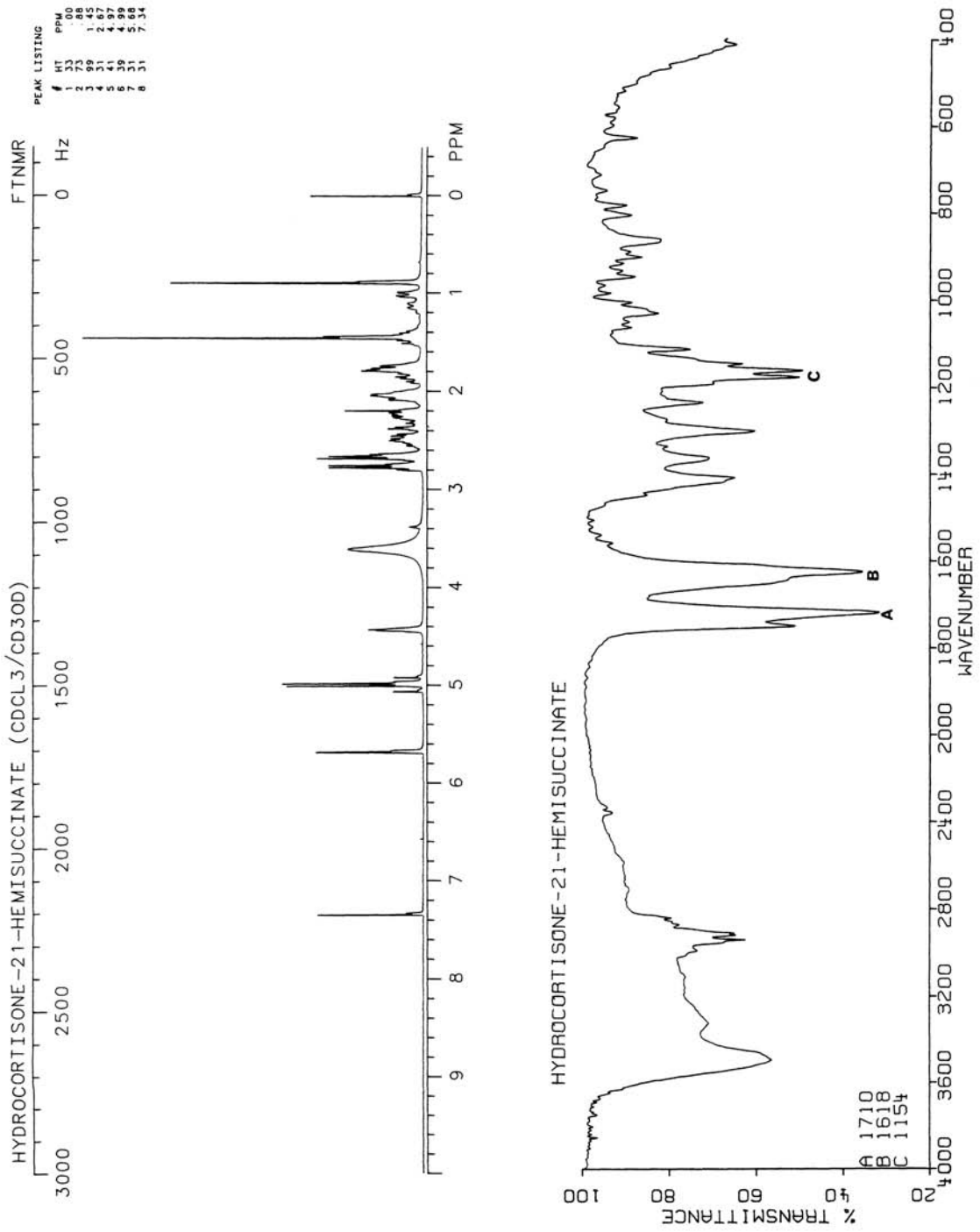
Use: Anti-inflammatory
HPLC: 70A:30B; 2.1
GC: 2870; 280°





NO USEFUL MASS SPECTRUM WAS OBTAINED



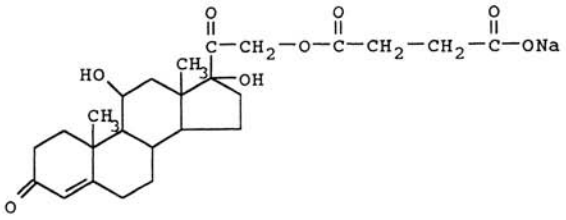

HYDROCORTISONE-21-HEMISUCCINATE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 33 .00
2 73 .88
3 99 1.45
4 31 2.67
5 41 4.97
6 39 4.99
7 31 5.68
8 31 7.34
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
HYDROCORTISONE-21-HEMISUCCINATE
A 1710
B 1618
C 1154
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

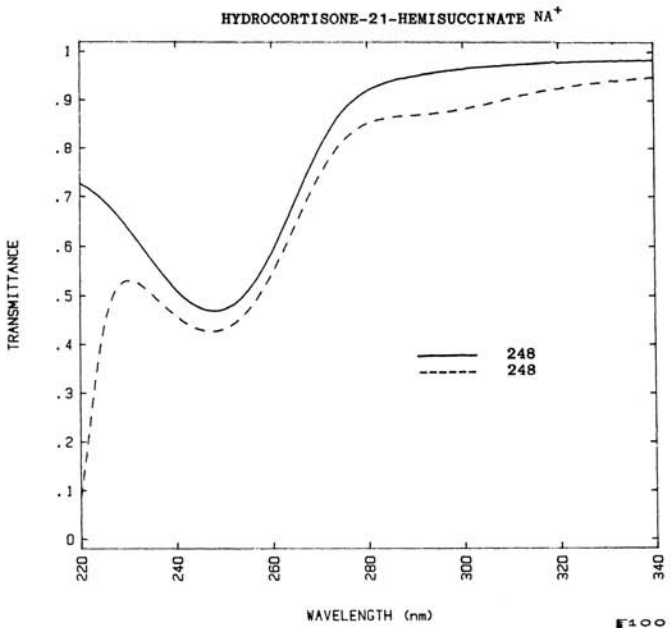
HYDROCORTISONE–21–HEMISUCCINATE SODIUM SALT

$C_{25}H_{33}NaO_8$

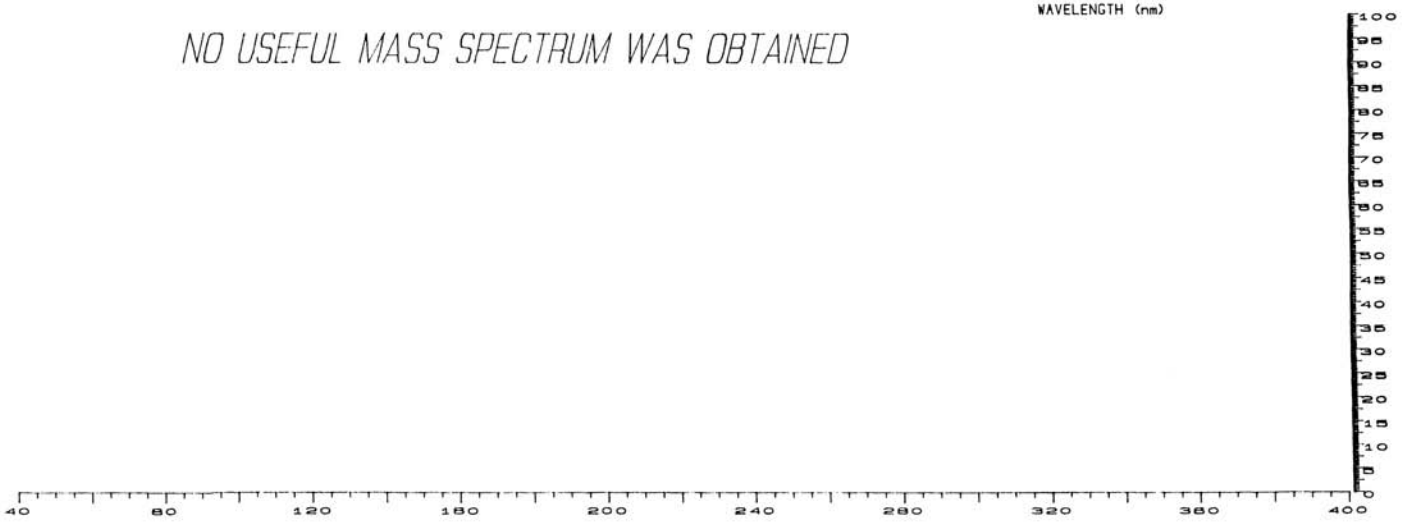
Molecular weight: 484.50 (484.21)

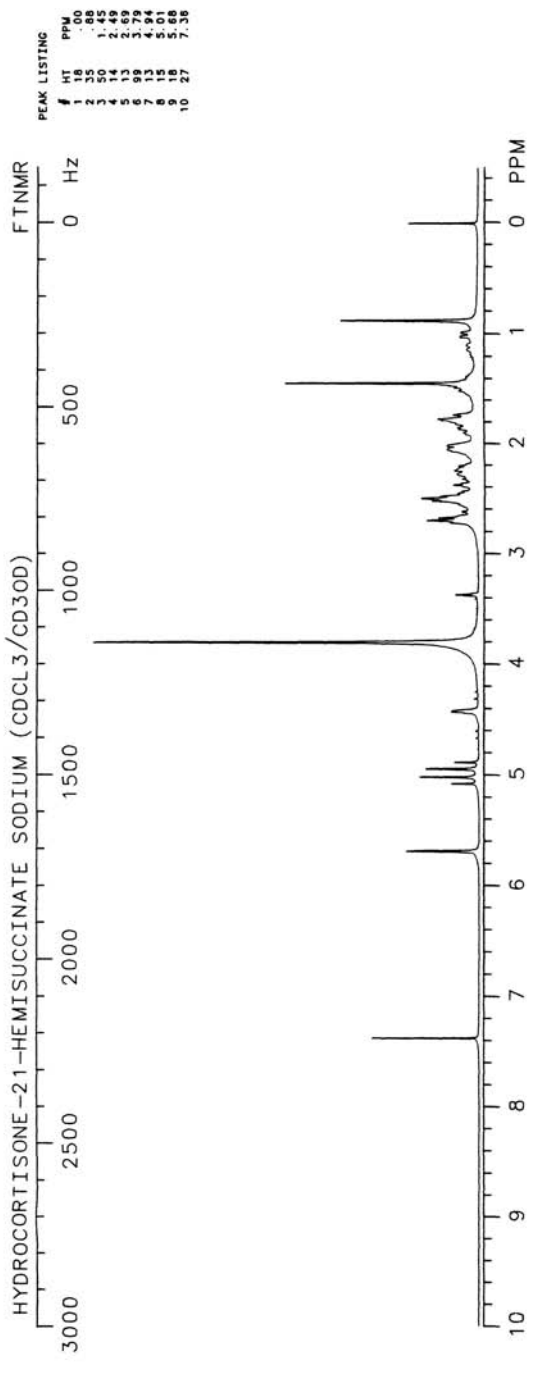
Synonyms: Sodium 17-hydroxycorticosterone-21-succinate; cortisol-21- hemisuccinate
Trade names: A-Hydrocort, Buccalsone, Corlan, EF-Cortelan, Hycroace, Intracort, Nordicort, Saxizon, Solu-Cortef, Suxizon
Use: Glucocorticoid
HPLC: 70A:30B; 2.1
GC:

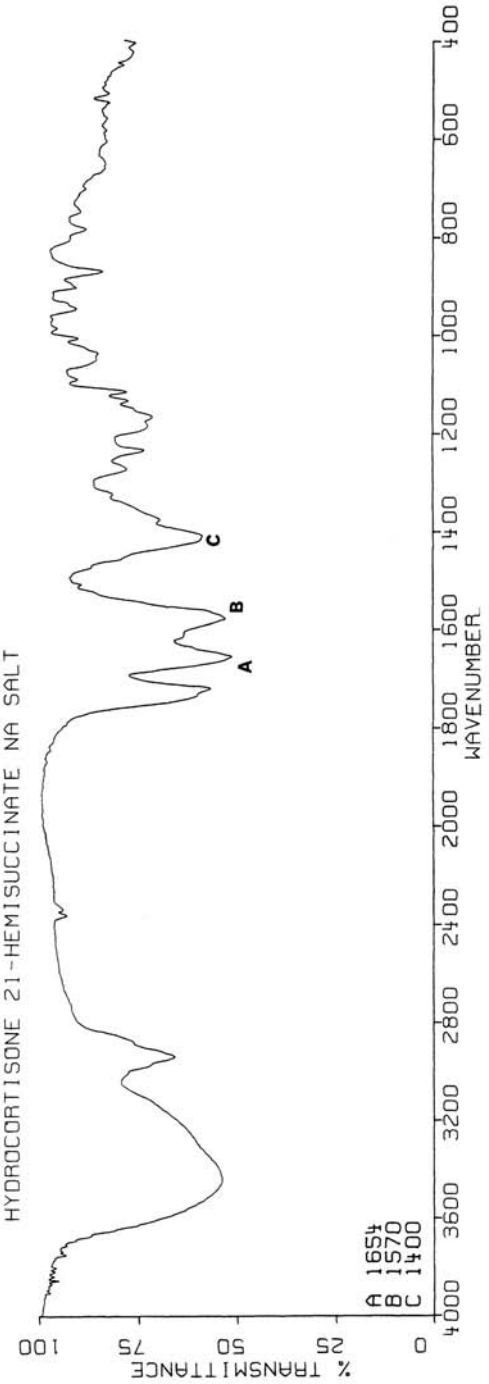




NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROCORTISONE-21-HEMISUCCINATE SODIUM (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 18 .00
2 35 .88
3 50 1.45
4 14 2.69
5 13 2.79
6 99 3.79
7 13 4.94
8 15 5.01
9 18 5.86
10 27 7.36
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDROCORTISONE 21-HEMISUCCINATE NA SALT
A 1654
B 1570
C 1400
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

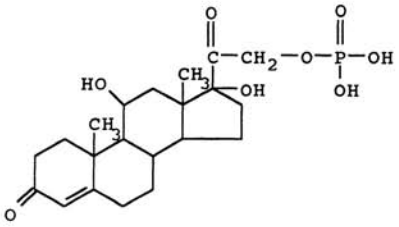
HYDROCORTISONE–21–PHOSPHATE

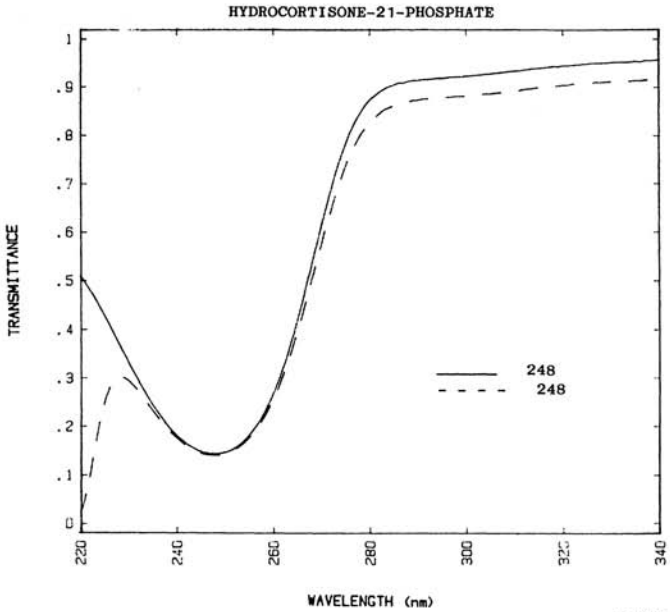
$C_{21}H_{31}O_8P$

Molecular weight: 442.45 (442.17)

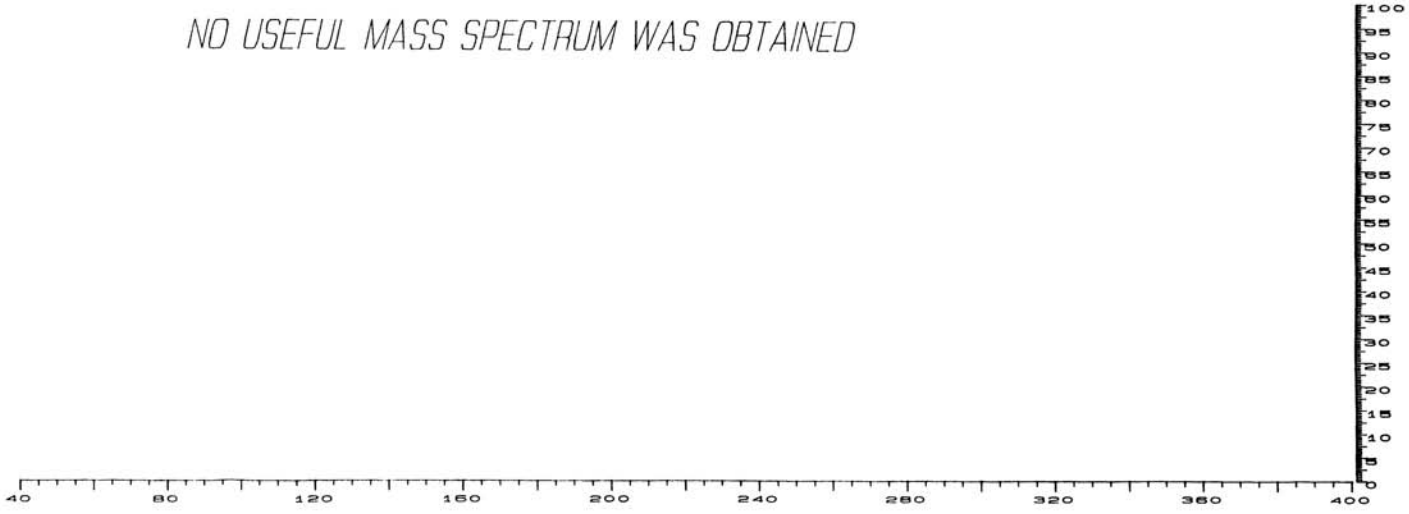
Synonyms: 11β,17-Dihydroxy-21-(phosphonooxy)pregn-4-ene-3,20-dione; 11β,17α-21-trihydroxy-4-pregnene-3,20-dione-21-phosphate
Trade names:

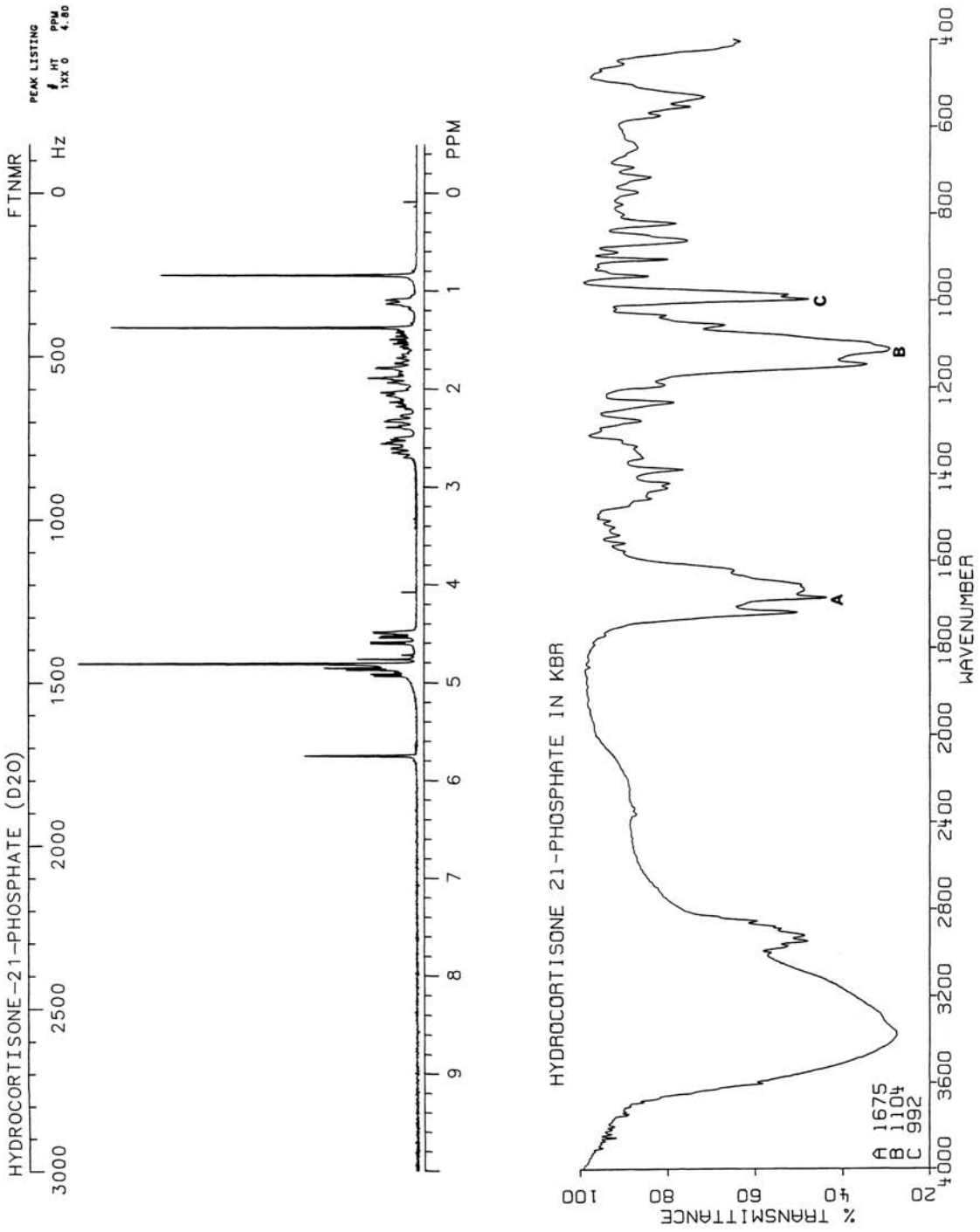
Use: Glucocorticoid
HPLC: 50A:50B; 2.8
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROCORTISONE-21-PHOSPHATE (D2O)
FTNMR
PEAK LISTING
PPM 4.80
0 Hz
3000
2500
2000
1500
1000
500
0
0 PPM
1
2
3
4
5
6
7
8
9
HYDROCORTISONE 21-PHOSPHATE IN KBR
% TRANSMITTANCE
WAVENUMBER
A 1675
B 1104
C 992
A
B
C
100
80
60
40
20
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400

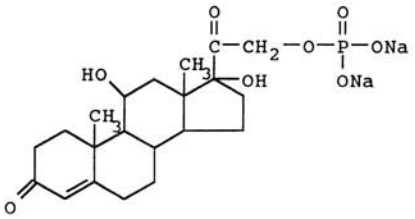
HYDROCORTISONE–21–PHOSPHATE DISODIUM SALT

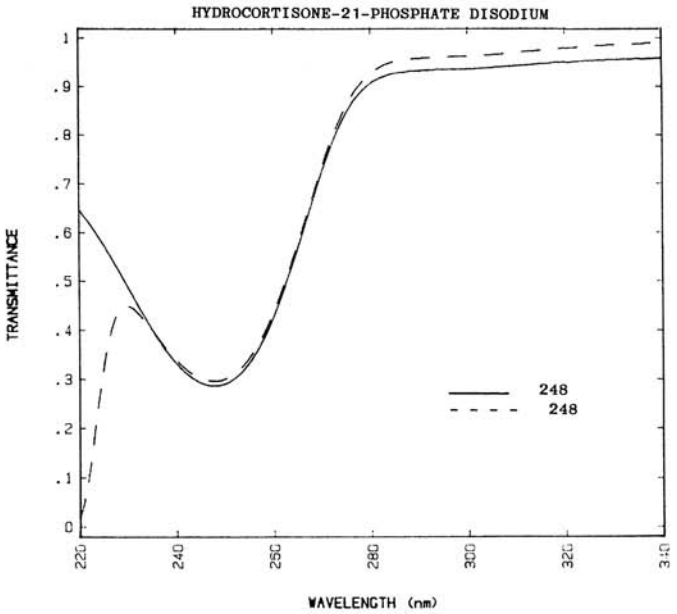
$C_{21}H_{29}Na_2O_8P$

Molecular weight: 504.56 (504.29)

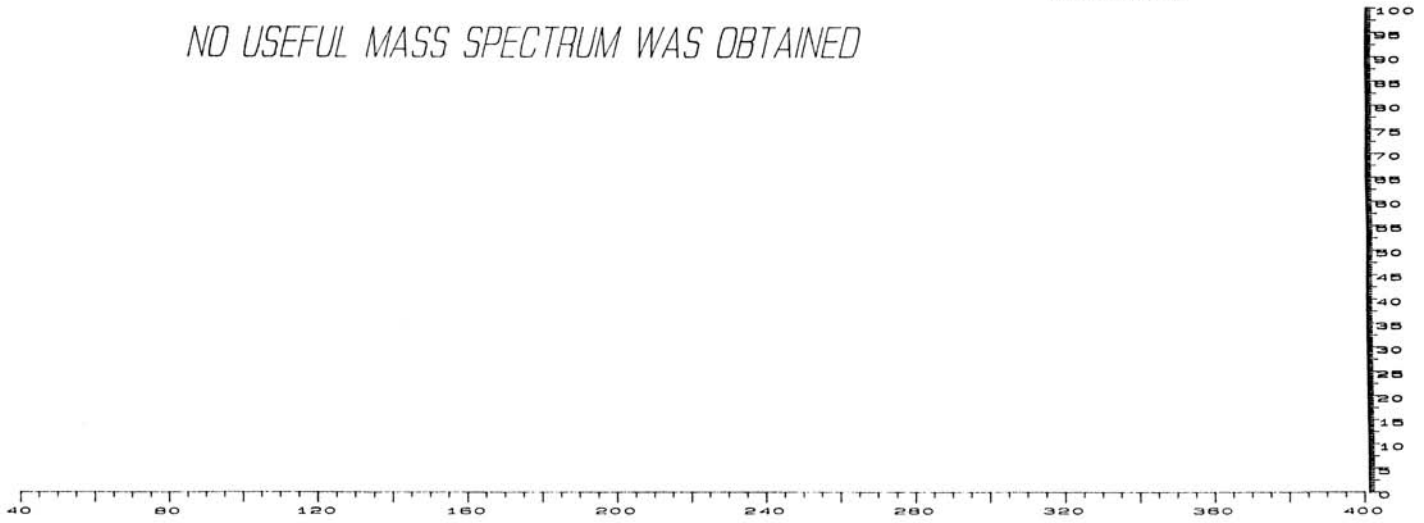
Synonyms: 11β,17-Dihydroxy-21-(phosphonooxy)pregn-4-ene-3,20-dione disodium salt; cortisol-21-phosphate
Trade names: Actocortin, Efcortesol, Hydrocortone Phosphate

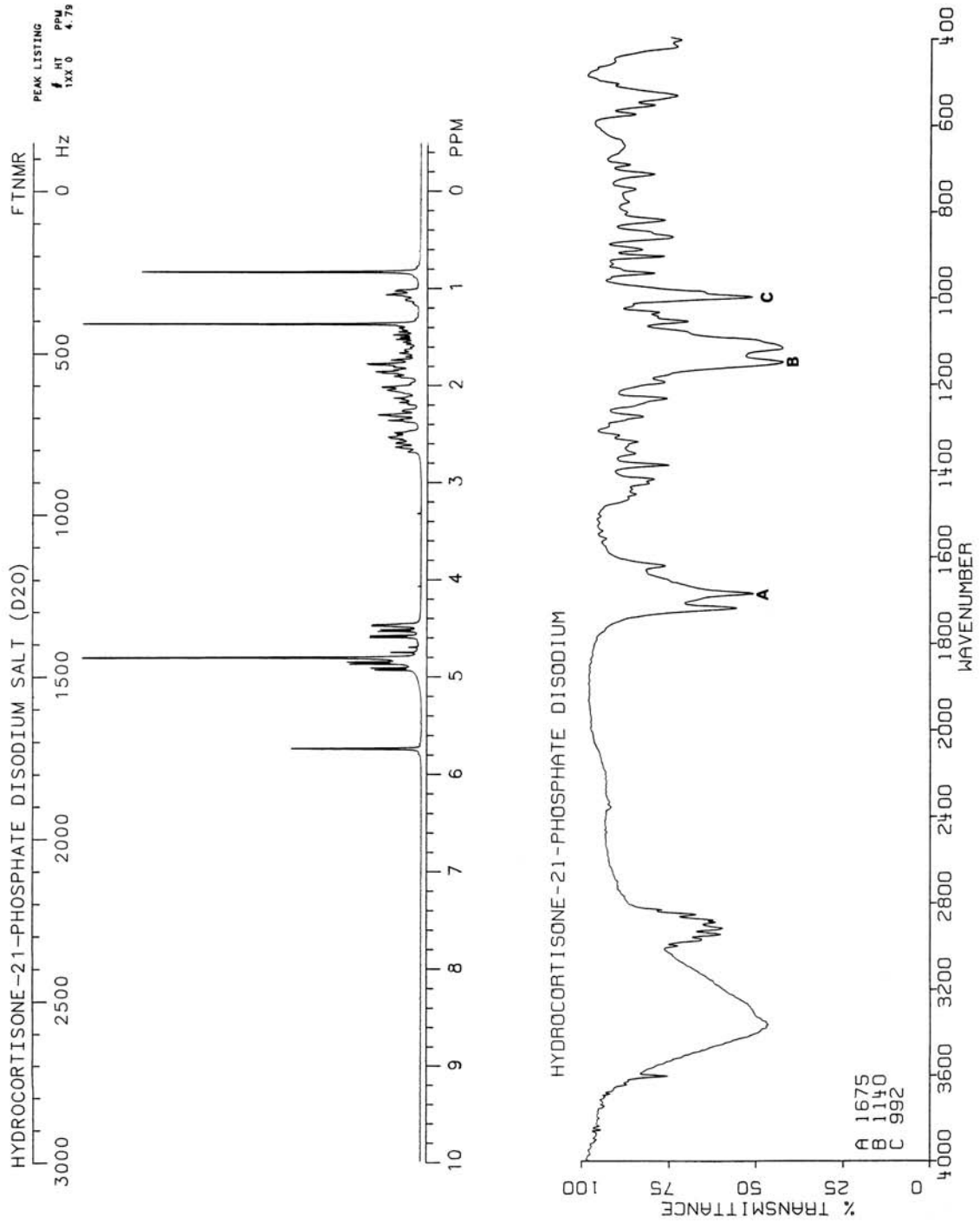
Use: Glucocorticoid
HPLC: 50A:50B; 2.8
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROCORTISONE-21-PHOSPHATE DISODIUM SALT (D2O)
FTNMR
PEAK LISTING
PPM
4.79
0 Hz
3000
2500
2000
1500
1000
500
0 PPM
10
9
8
7
6
5
4
3
2
1
0
HYDROCORTISONE-21-PHOSPHATE DISODIUM
A 1675
B 1140
C 992
A
B
C
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER

HYDROCORTISONE–21–SULFATE POTASSIUM SALT

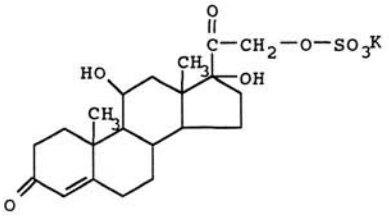
$C_{21}H_{29}O_8SK$

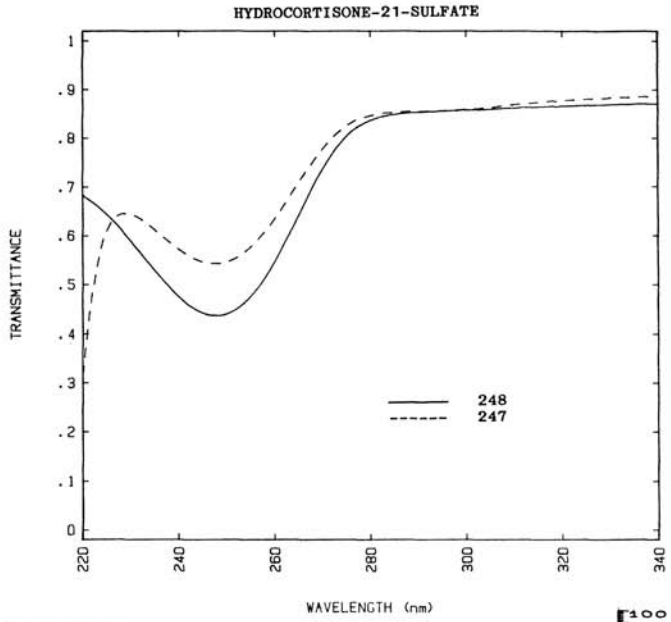
Molecular weight: 480.62 (480.26)

Synonyms: Cortisol-21-sulfate

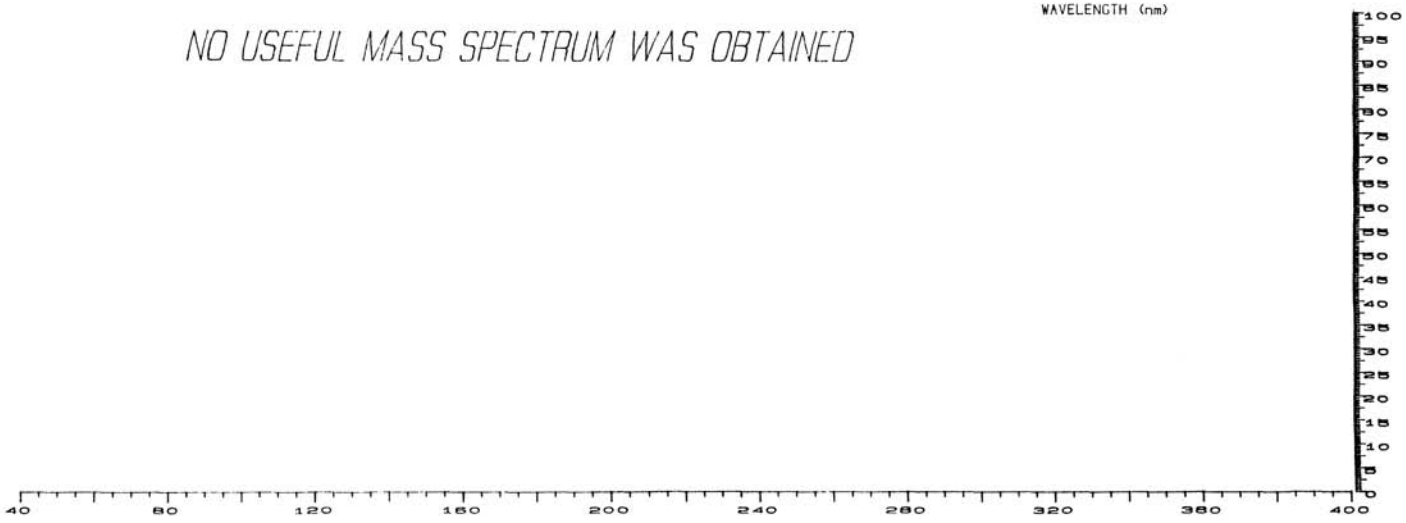
Trade names:

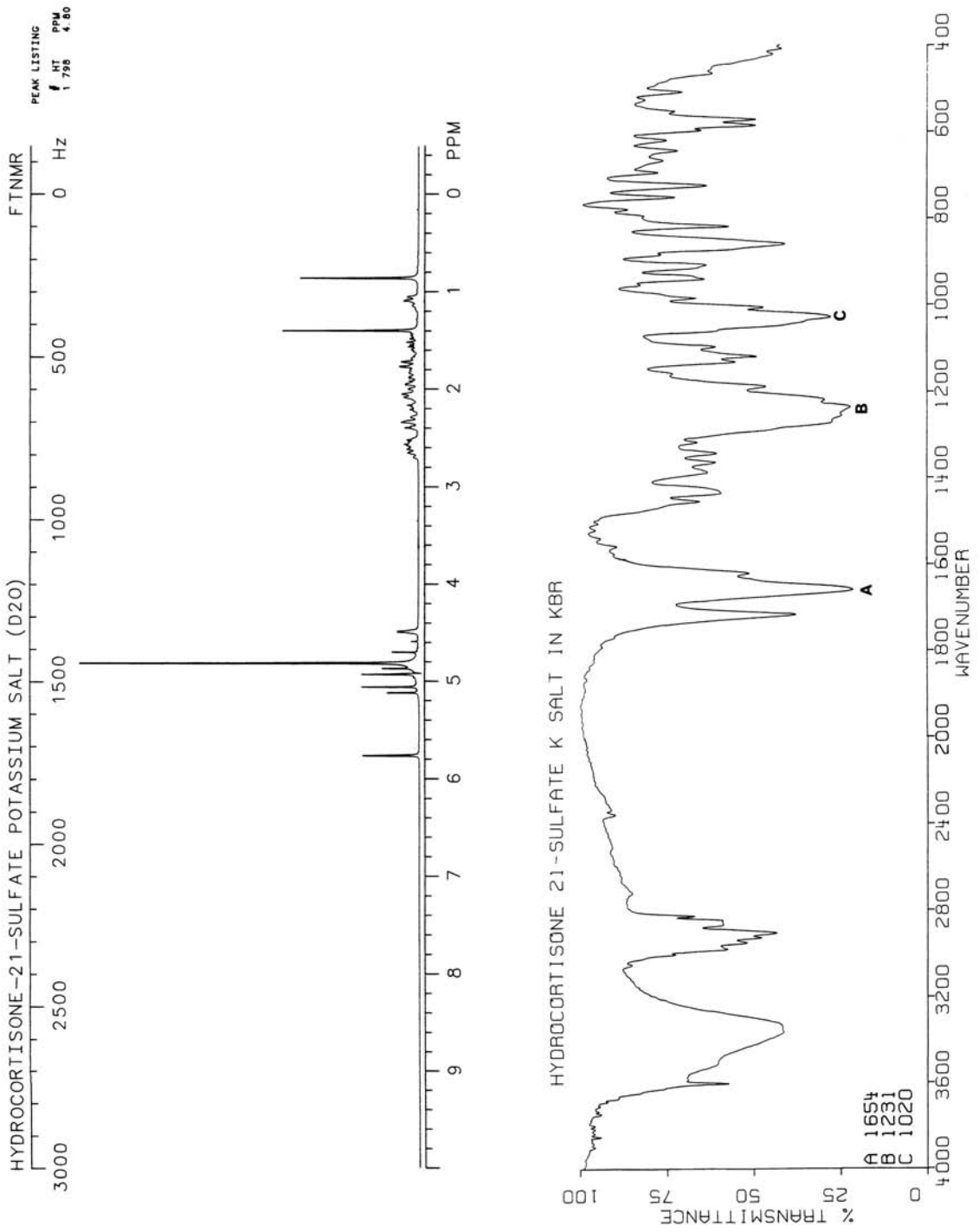
Use:
HPLC: 50A:50B; 2.9
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROCORTISONE-21-SULFATE POTASSIUM SALT (D2O)
FTNMR
PEAK LISTING
HT PPM
1 798 4.80
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM
HYDROCORTISONE 21-SULFATE K SALT IN KBR
A 1654
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

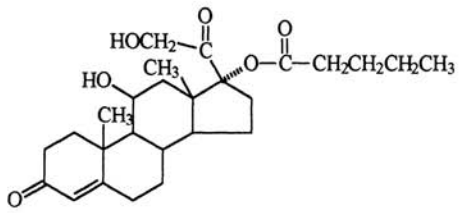
HYDROCORTISONE-17-VALERATE

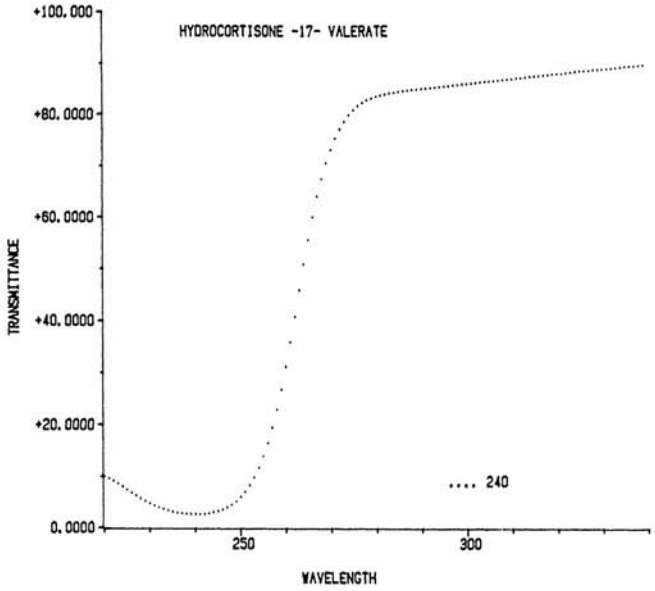
$C_{26}H_{38}O_6$

Molecular Weight: 446.58 (446.27)

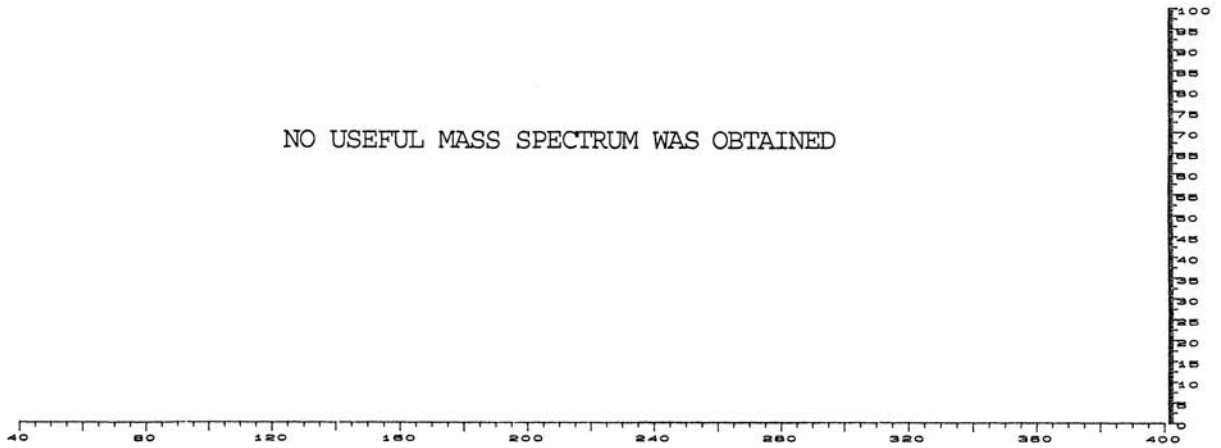
Synonyms: 11β,17,21-Trihydroxypregn-4-ene-3,20-dione-17-valerate; cortisol-17-valerate
Trade Names: Westcort
Use: Anti-inflammatory

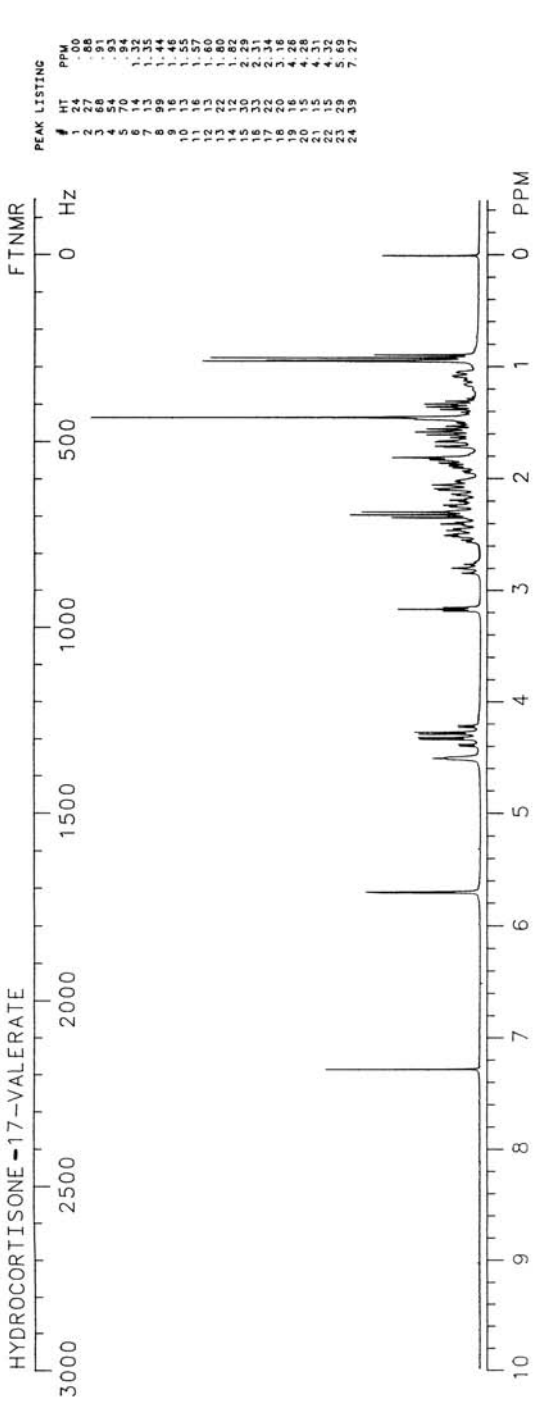
HPLC: Methanol: 3.2
GC:

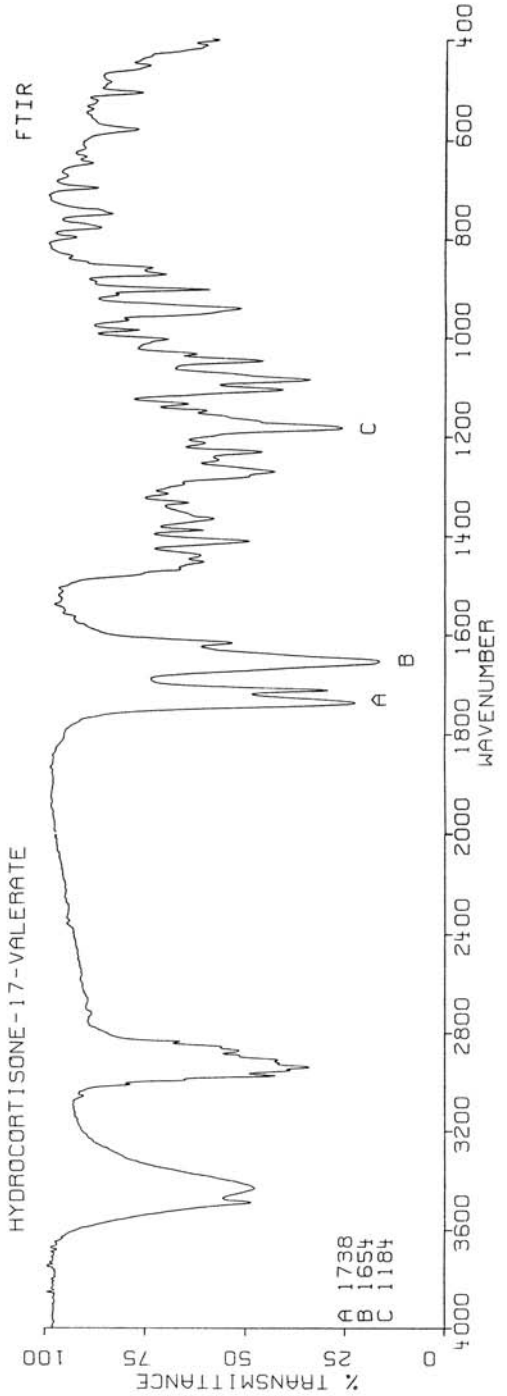




NO USEFUL MASS SPECTRUM WAS OBTAINED



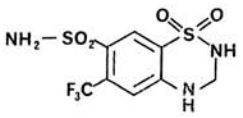

HYDROCORTISONE-17-VALERATE
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
10
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 24 .00
2 27 .88
3 68 .91
4 54 .93
5 70 .94
6 14 1.32
7 13 1.35
8 99 1.44
9 16 1.46
10 13 1.55
11 16 1.57
12 13 1.60
13 22 1.80
14 12 1.82
15 30 2.29
16 23 2.31
17 22 2.34
18 20 3.16
19 16 4.26
20 15 4.28
21 15 4.31
22 15 4.32
23 29 5.69
24 39 7.27

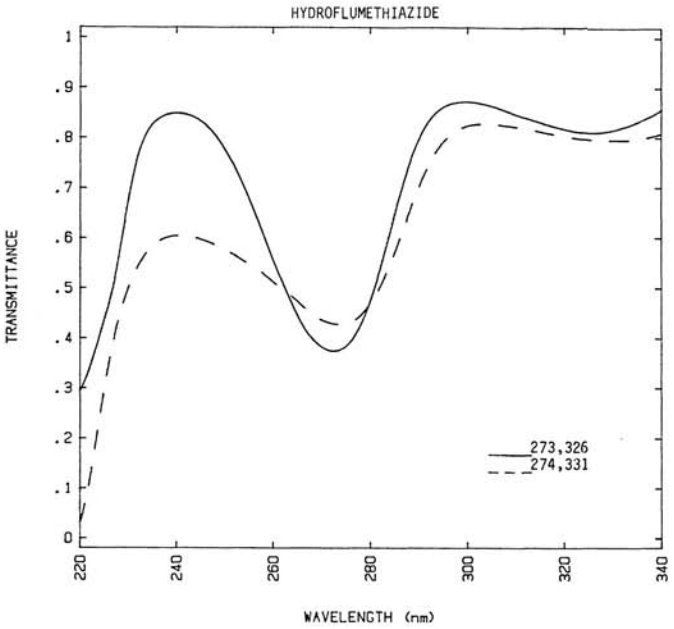

HYDROCORTISONE-17-VALERATE
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A 1738
B 1654
C 1184
A
B
C

HYDROFLUMETHIAZIDE

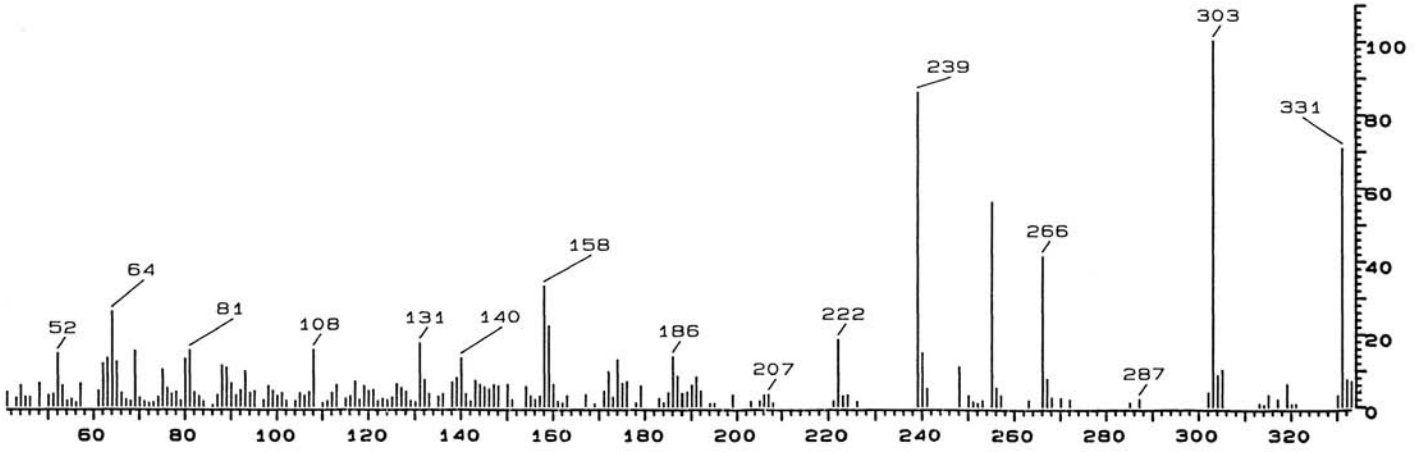
$C_8H_8F_3N_3O_4S_2$

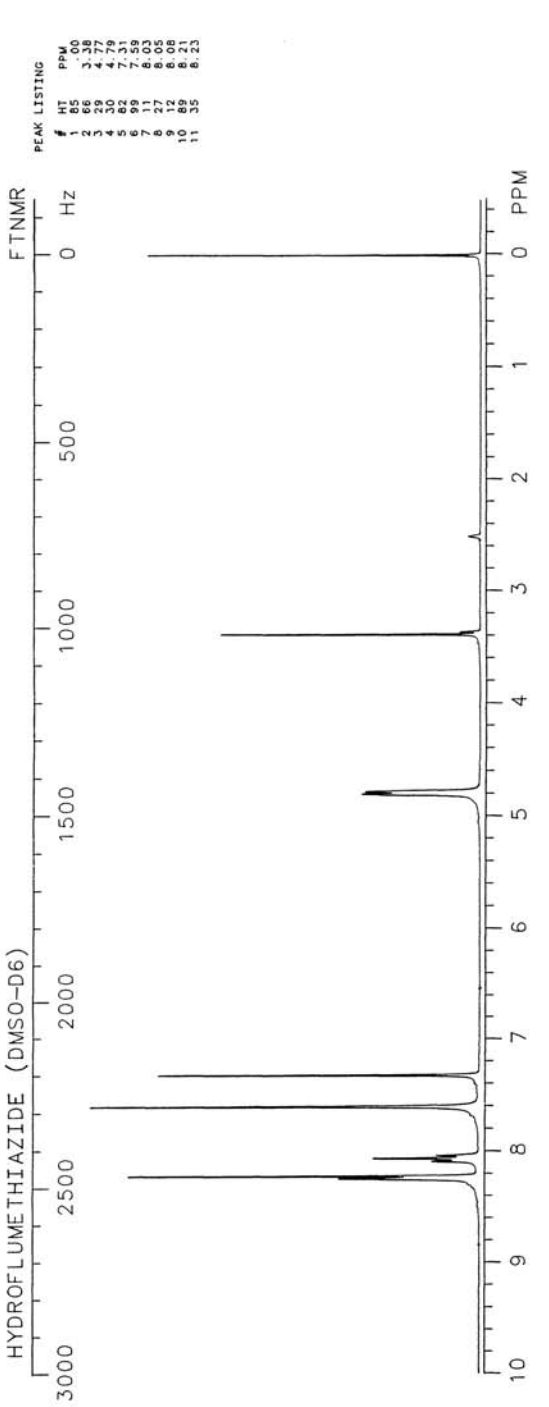
Molecular weight: 331.28 (330.99)
Synonyms: 3,4-Dihydro-6-(trifluoromethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide; dihydroflumethiazide; trifluoromethylhydrothiazide
Trade names: Diucardin, Hydrenox, Hydro-Fluserpine, Leodrine, Rautrax, Rontyl, Saluron, Salutensin
Use: Antihypertensive, diuretic
HPLC:
GC:

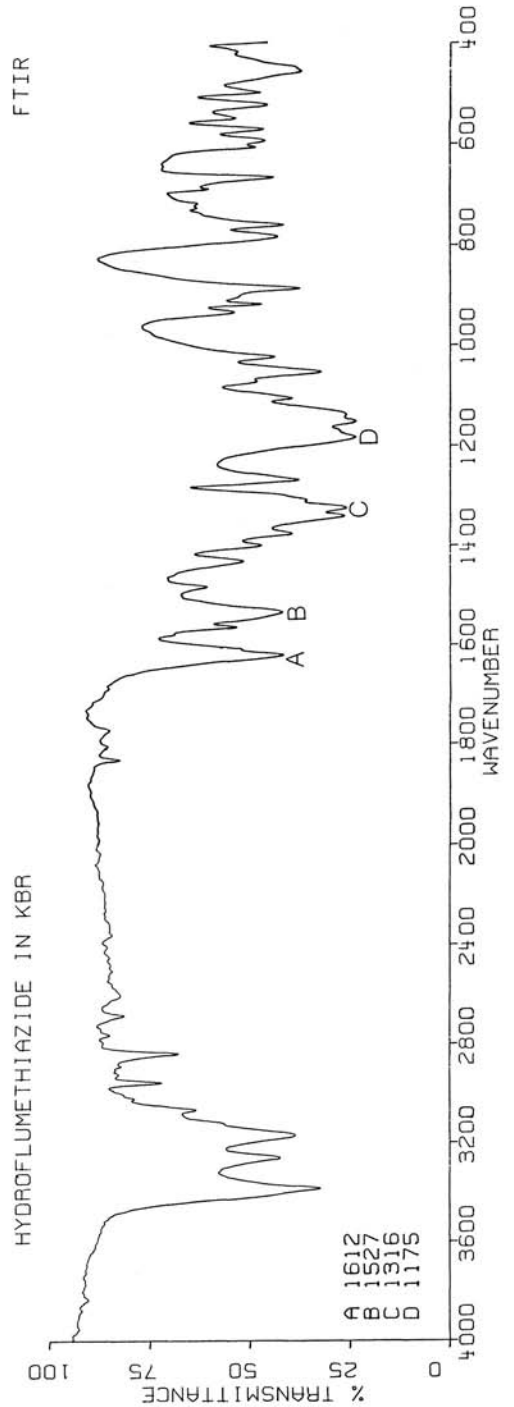




HYDROFLUMETHIAZIDE--DIP




HYDROFLUMETHIAZIDE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 85 2.00
2 66 3.38
3 29 4.77
4 30 4.79
5 82 7.31
6 99 7.59
7 11 8.03
8 27 8.05
9 12 8.08
10 89 8.21
11 35 8.23
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

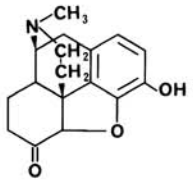

HYDROFLUMETHIAZIDE IN KBR
FTIR
A 1612
B 1527
C 1316
D 1175
A B C D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

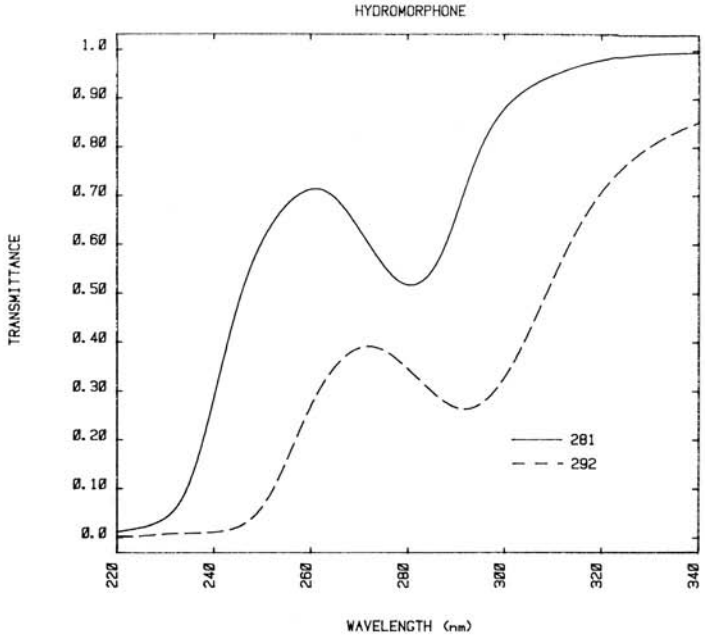
HYDROMORPHONE

$C_{17}H_{19}NO_3$

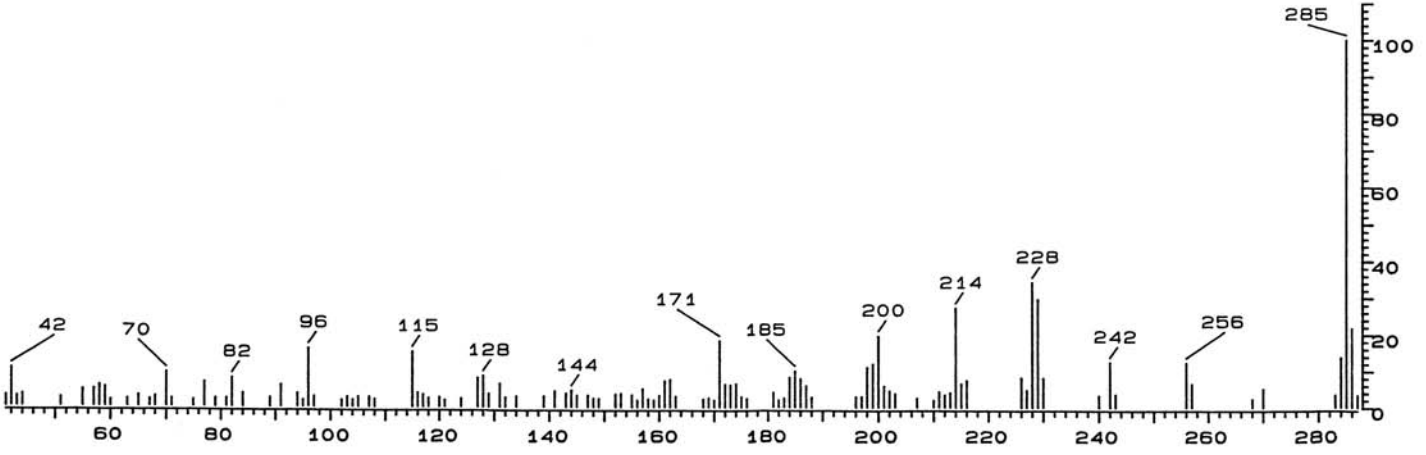
Molecular weight: 285.34 (285.14)
Synonyms: 4,5α-Epoxy-3-hydroxy-17-methylmorphinan-6-one;
dihydromorphinone
Trade names: Dilaudid

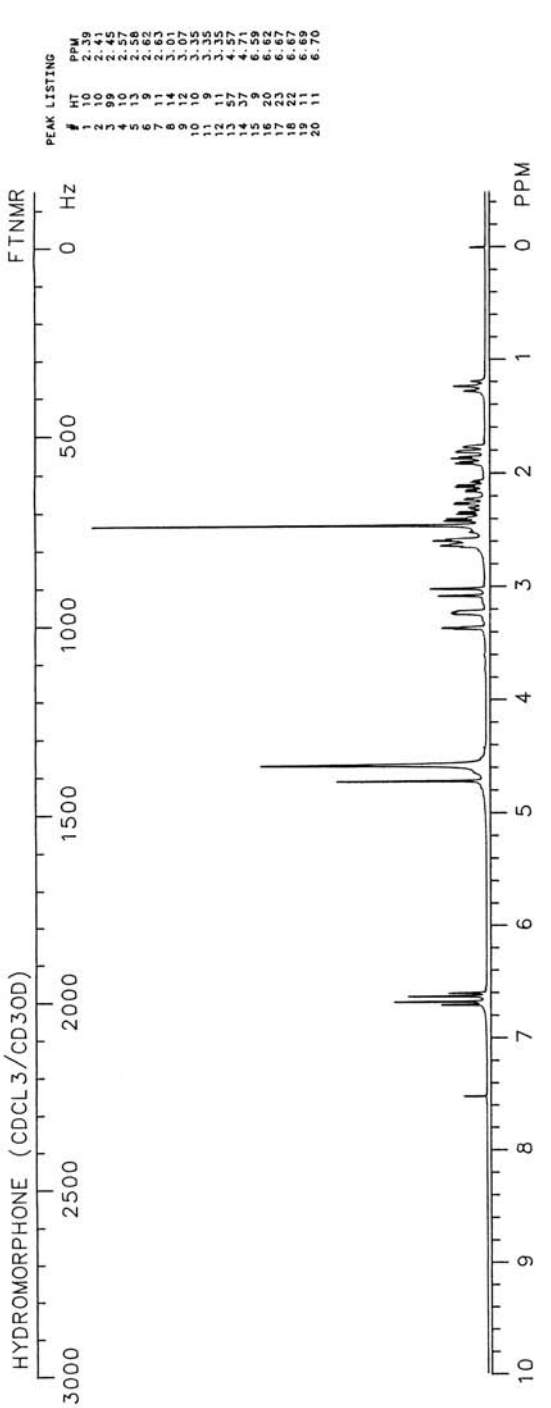
Use: Narcotic analgesic
HPLC: Si-10; 20A:80B; 4.2
GC: 2562; 250°C

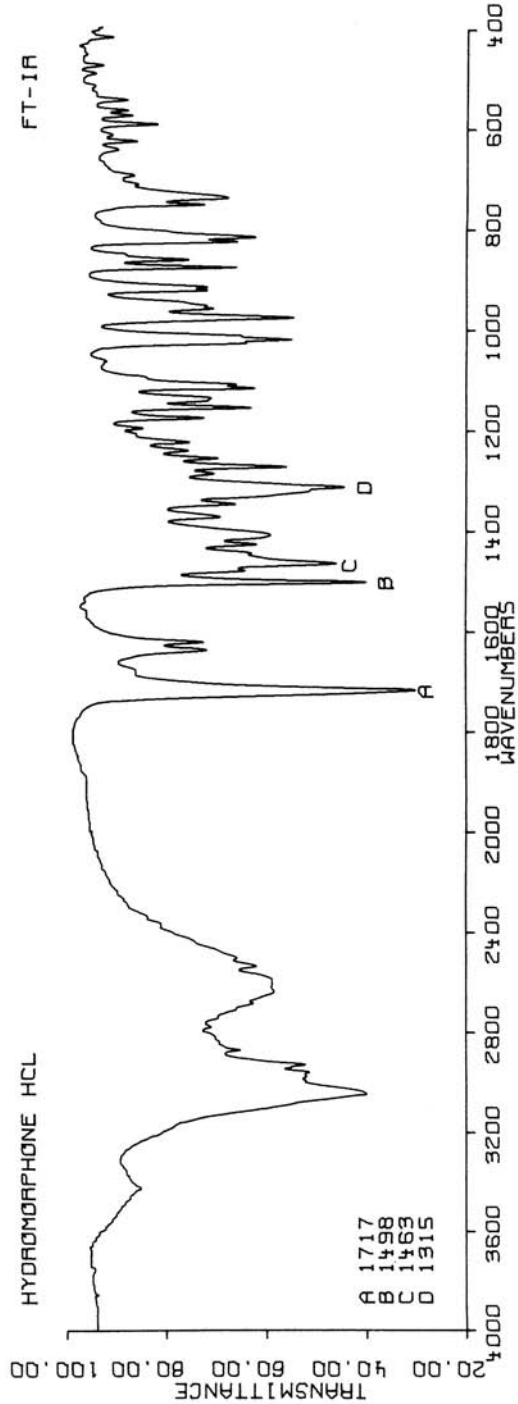




HYDROMORPHONE




HYDROMORPHONE (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 2.39
2 10 2.41
3 99 2.45
4 10 2.57
5 13 2.58
6 9 2.62
7 11 2.63
8 14 3.01
9 12 3.07
10 9 3.35
11 10 3.35
12 11 3.35
13 57 4.57
14 37 4.71
15 9 6.59
16 20 6.62
17 23 6.67
18 22 6.67
19 11 6.69
20 11 6.70


HYDROMORPHONE 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 1717
B 1498
C 1463
D 1315
A
B
C
D

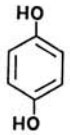
HYDROQUINONE

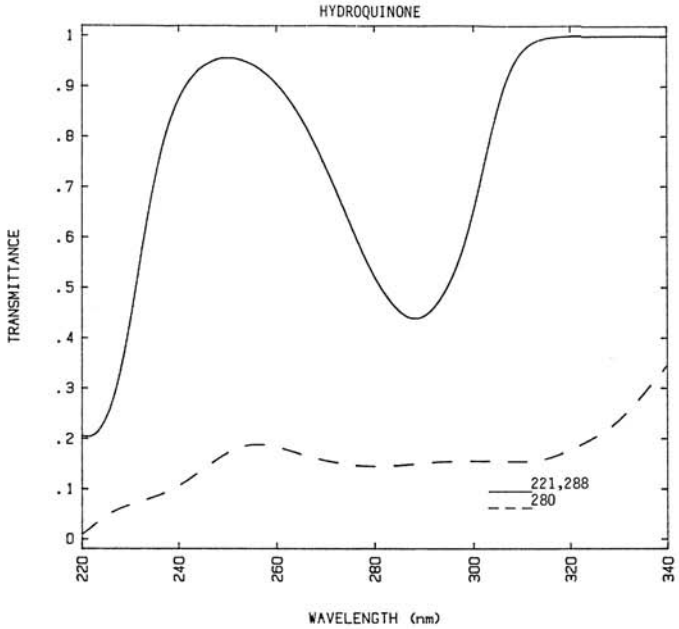
$C_6H_6O_2$

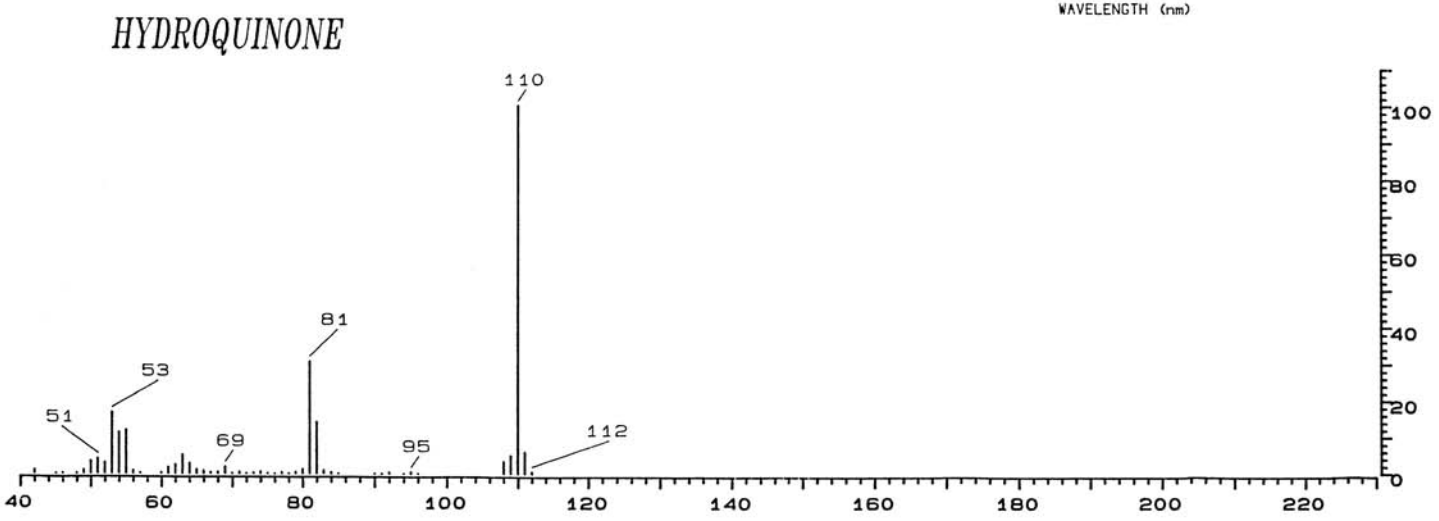
Molecular weight: 110.11 (110.04)
Synonyms: 1,4-Benzenediol; hydroquinol; quinol

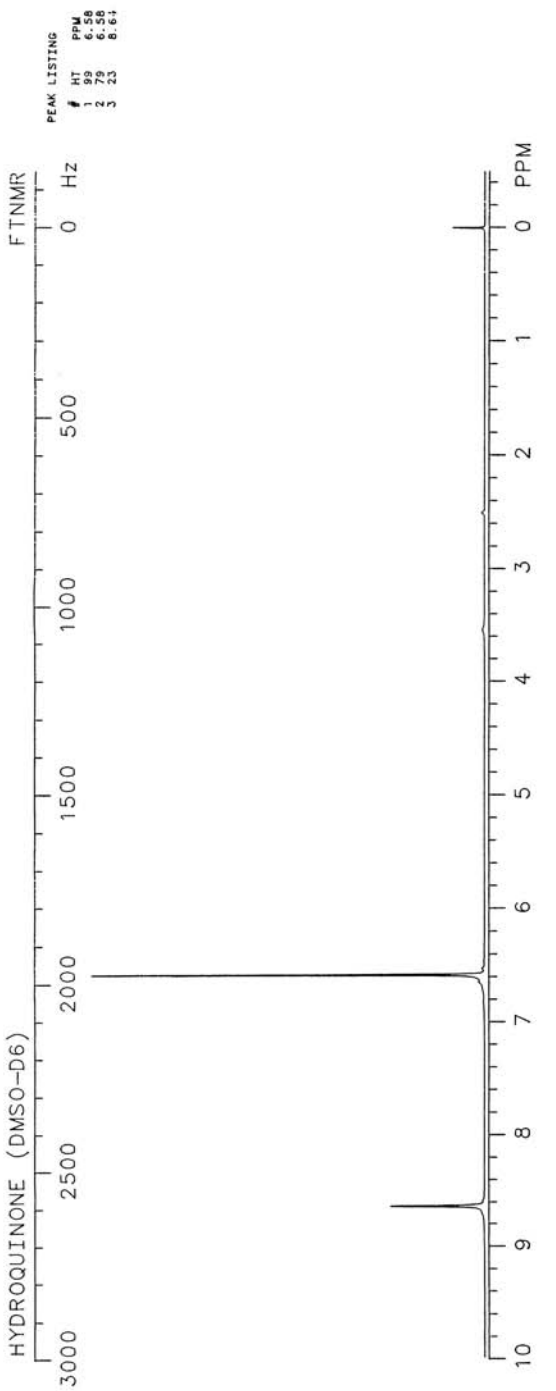
Trade names: Banquin, Eldopaque, Eldoquin, Melanex, Phiaquin, Solaquin

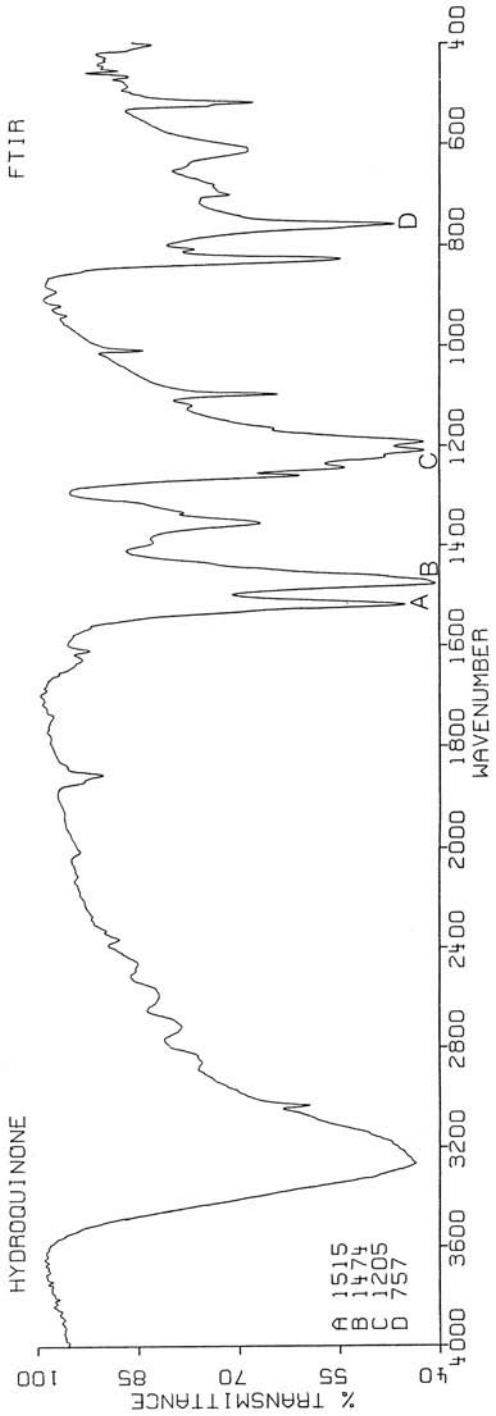
Use: Bleaching agent
HPLC: Si-10; 12A:98B; 4.6
GC: 1264; 140°C








HYDROQUINONE (DMSO-D6)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 99 6.58
2 79 6.58
3 23 8.64
10
9
8
7
6
5
4
3
2
1
0 PPM


HYDROQUINONE
FTIR
A 1515
B 1474
C 1205
D 757
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

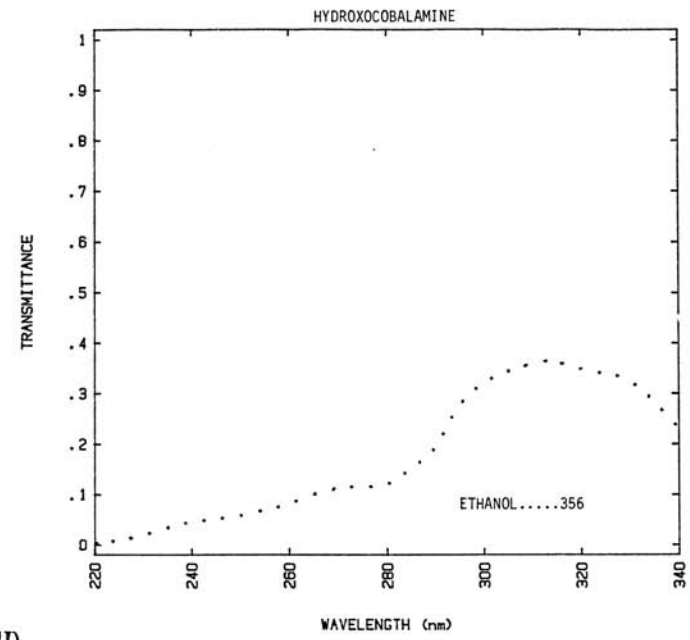
HYDROXOCOBALAMINE

$C_{62}H_{89}CoN_{13}O_{15}P$

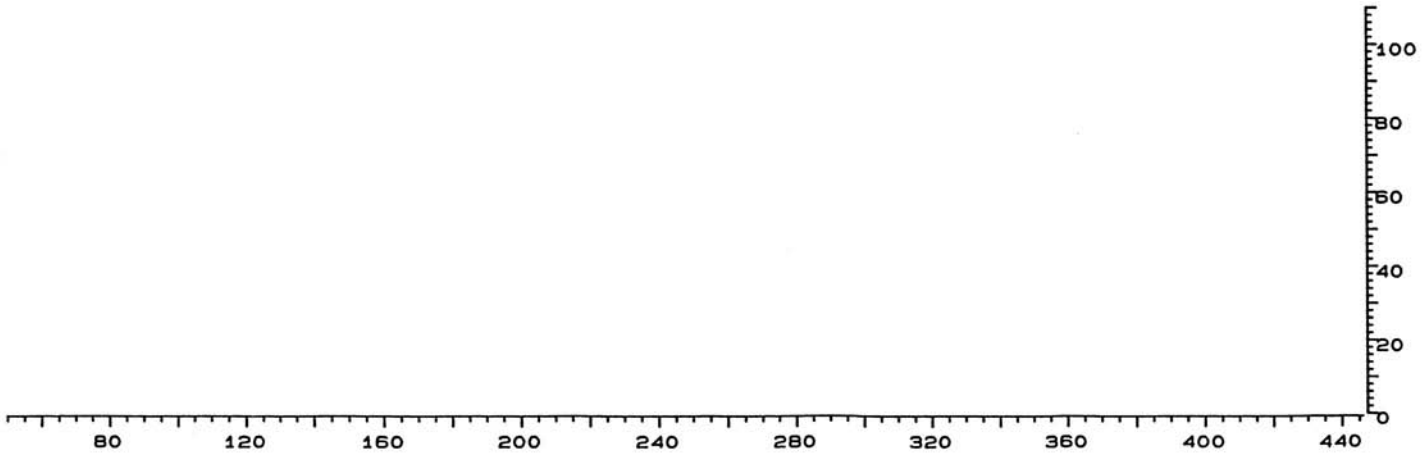
Molecular weight: 1346.41 (1345.57)
Synonyms: Cobinamide hydroxide phosphate 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosylbenzimidazole inner salt; vitamin B_{12a}, hydroxocobemine
Trade names: Axion, Axlon, Cobalex, Depogamma, Docelan, Docevita, Duradoce, Hydrogrisevit, Hydrovit, Hyxobamine, Idrogriseovit, Oxobemin, Redisol, Sytobex, Vitadurin
Use: Vitamin
HPLC: Si-10; 50A:50B; 4.3
GC:

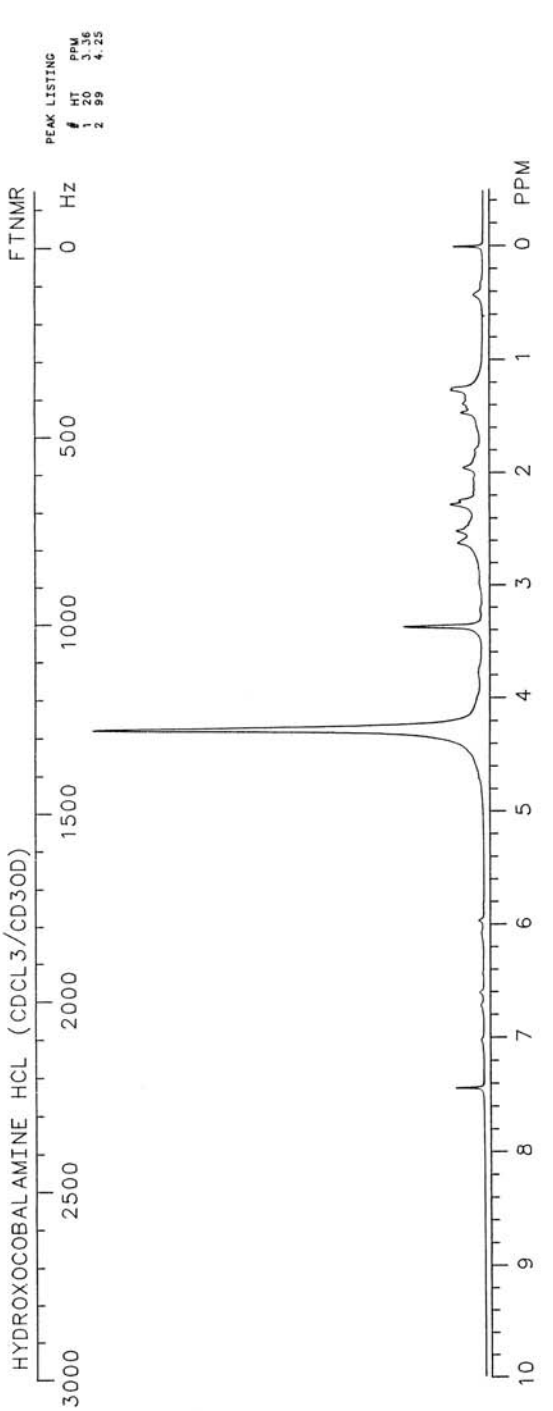
$$[HO-CoX] \overset{H_2O}{\rightleftharpoons} [H_2O \cdot CoX]^+ OH^-$$

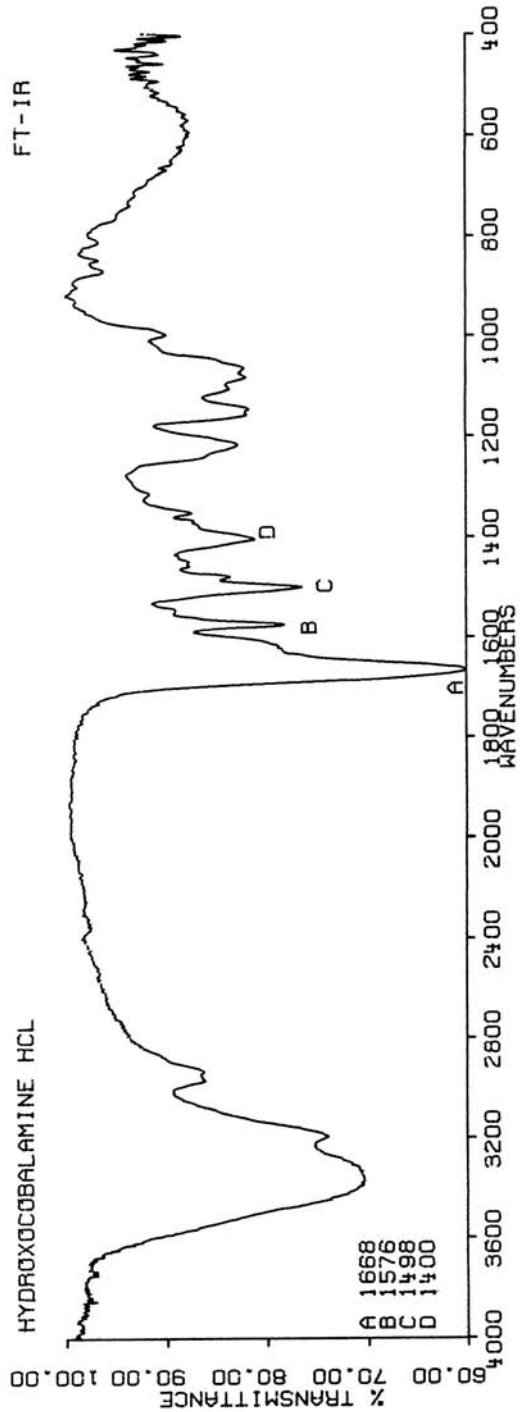
CoX = Vitamin B_{12} minus CN



NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROXOCOBALAMINE HCL (CDCL3/CD3OD)
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
PEAK LISTING
HT PPM
1 20 3.36
2 89 4.25
10
9
8
7
6
5
4
3
2
1
0 PPM

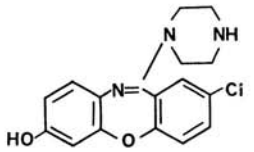

FT-IR
HYDROXOCOBALAMINE HCL
A 1668
B 1576
C 1498
D 1400
% TRANSMITTANCE
60.00
70.00
80.00
90.00
100.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A
B
C
D

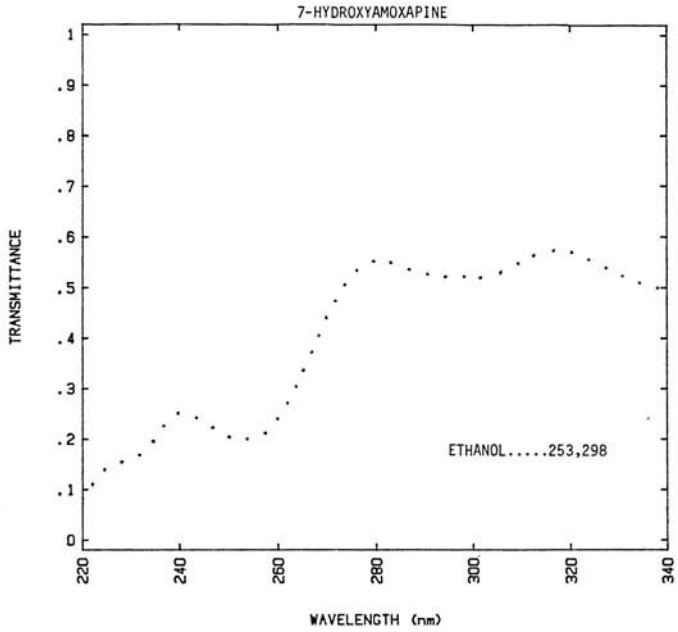
7-HYDROXYAMOXAPINE

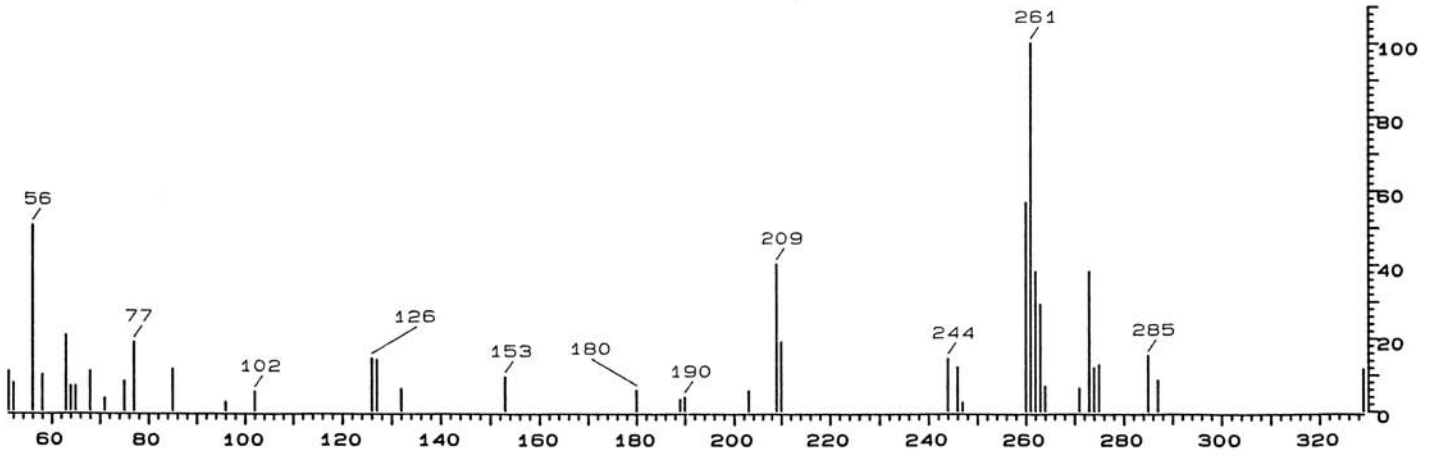
$C_{17}H_{16}ClN_3O_2$

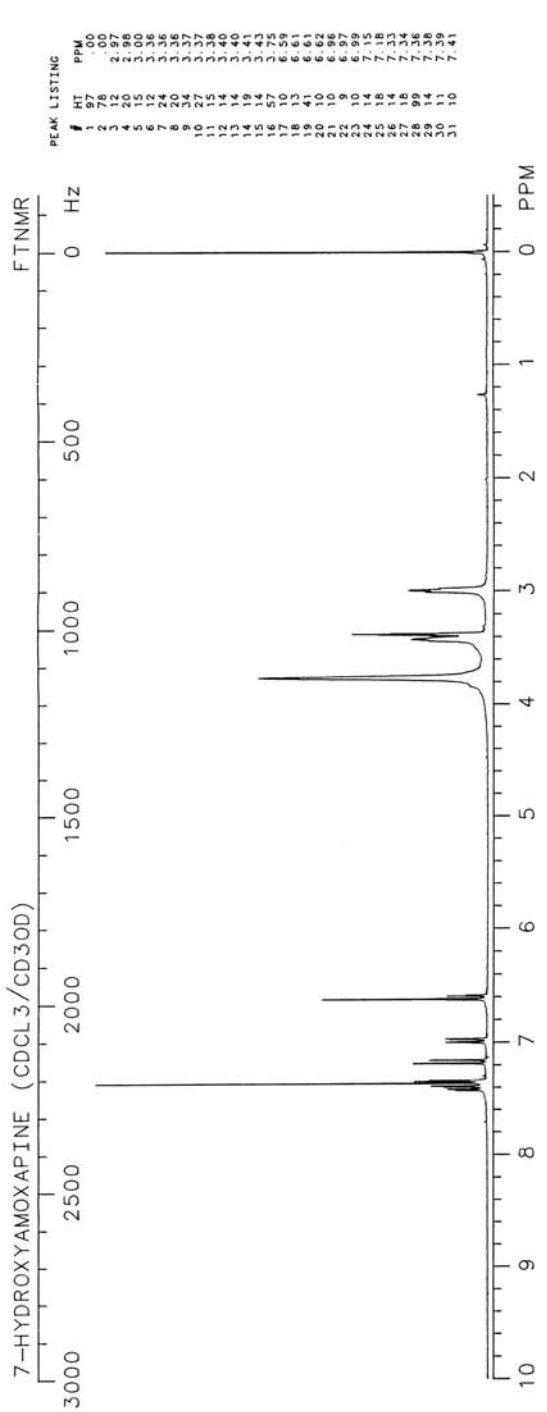
Molecular weight: 329.78 (329.09)
Synonyms: 7-Hydroxy-2-chloro-11-(1-piperazinyl)dibenz-[b,f]-[1,4]-oxazepine
Trade names:

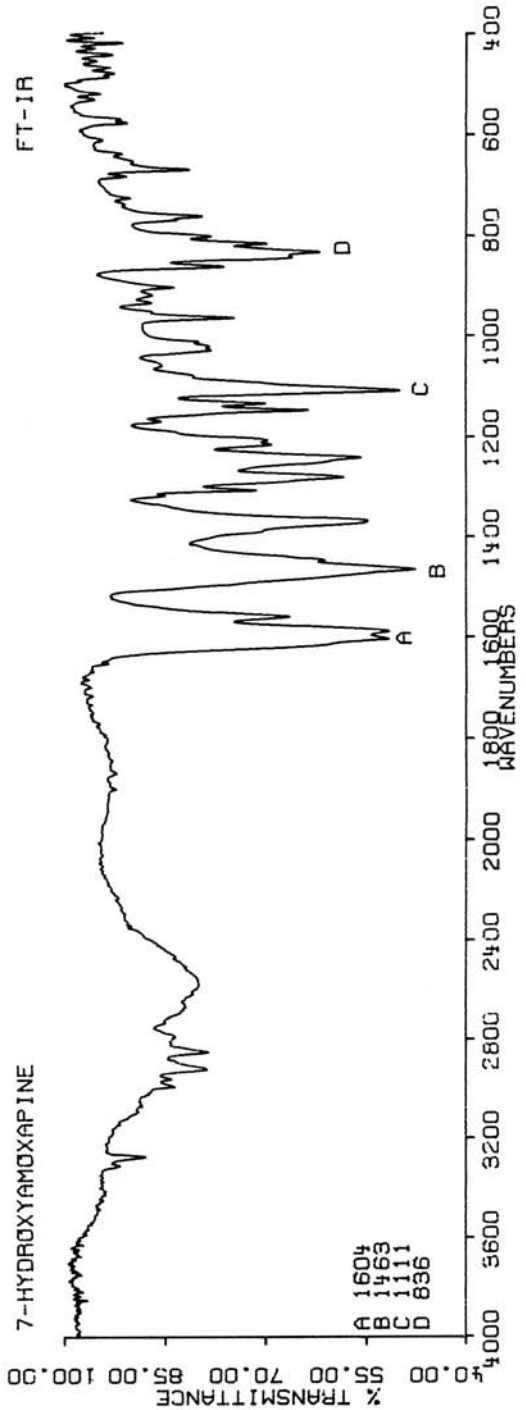
Use: Metabolite
HPLC: Si-10; 5A:95B; 8.0
GC: 2966; 280°C








7-HYDROXYAMOXAPINE (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 97 .00
2 76 .00
3 12 2.97
4 20 2.98
5 15 3.00
6 12 3.36
7 24 3.36
8 20 3.36
9 34 3.37
10 27 3.37
11 15 3.38
12 14 3.40
13 14 3.40
14 19 3.41
15 14 3.43
16 57 3.75
17 10 6.59
18 13 6.61
19 41 6.61
20 10 6.62
21 10 6.86
22 9 6.97
23 10 6.99
24 14 7.15
25 18 7.18
26 14 7.33
27 18 7.34
28 99 7.36
29 14 7.36
30 11 7.39
31 10 7.41

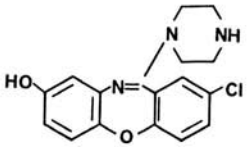

FT-IR
7-HYDROXYAMOXAPINE
% TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1604
B 1463
C 1111
D 836
A
B
C
D

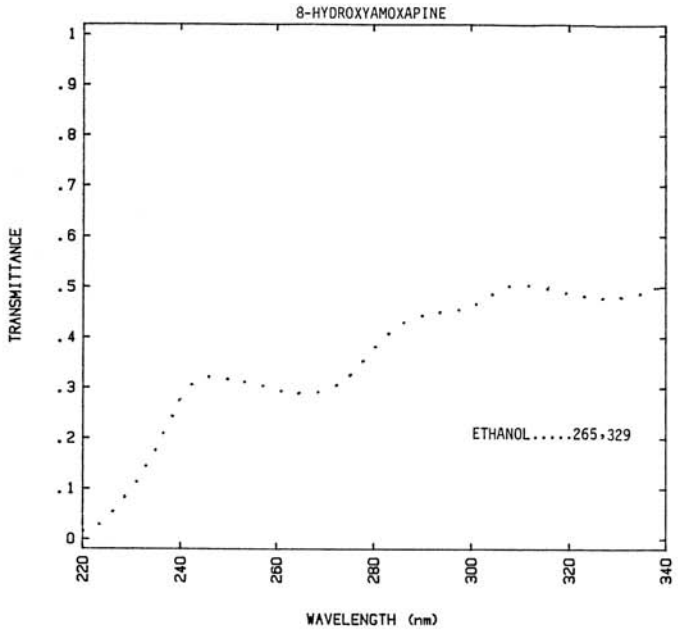
8- HYDROXYAMOXAPINE

$C_{17}H_{16}ClN_3O_2$

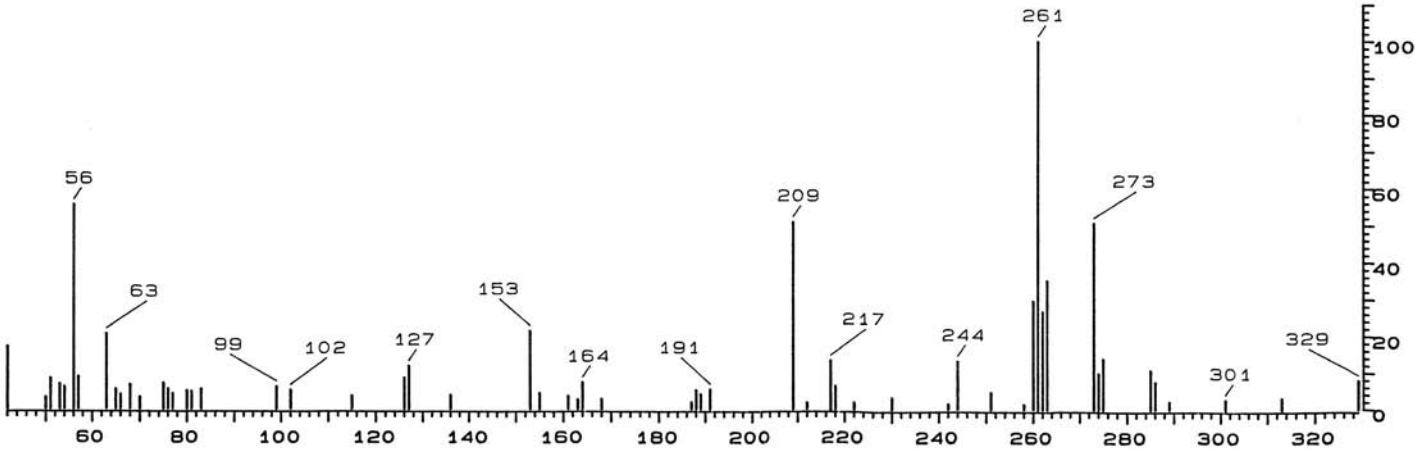
Molecular weight: 329.78 (329.09)
Synonyms: 8-Hydroxy-2-chloro-11-(1-piperazinyl)dibenz-[b,f]-[1,4]-oxazepine
Trade names:

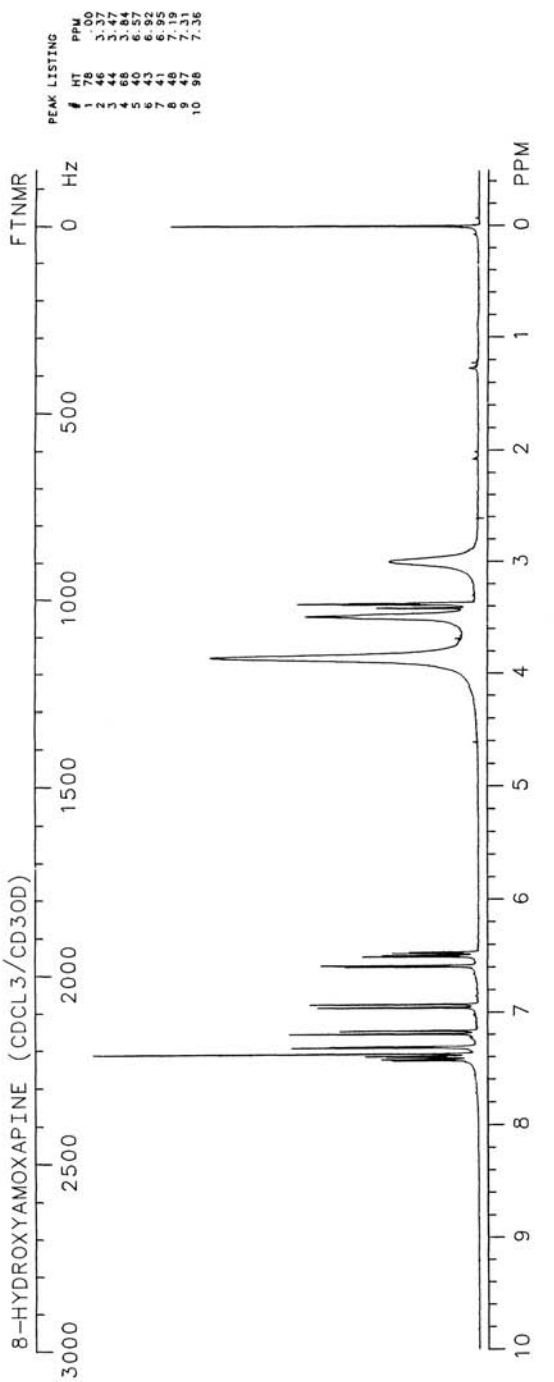
Use: Metabolite
HPLC: Si-10; 5A:95B; 9.4
GC: 3026; 280°C

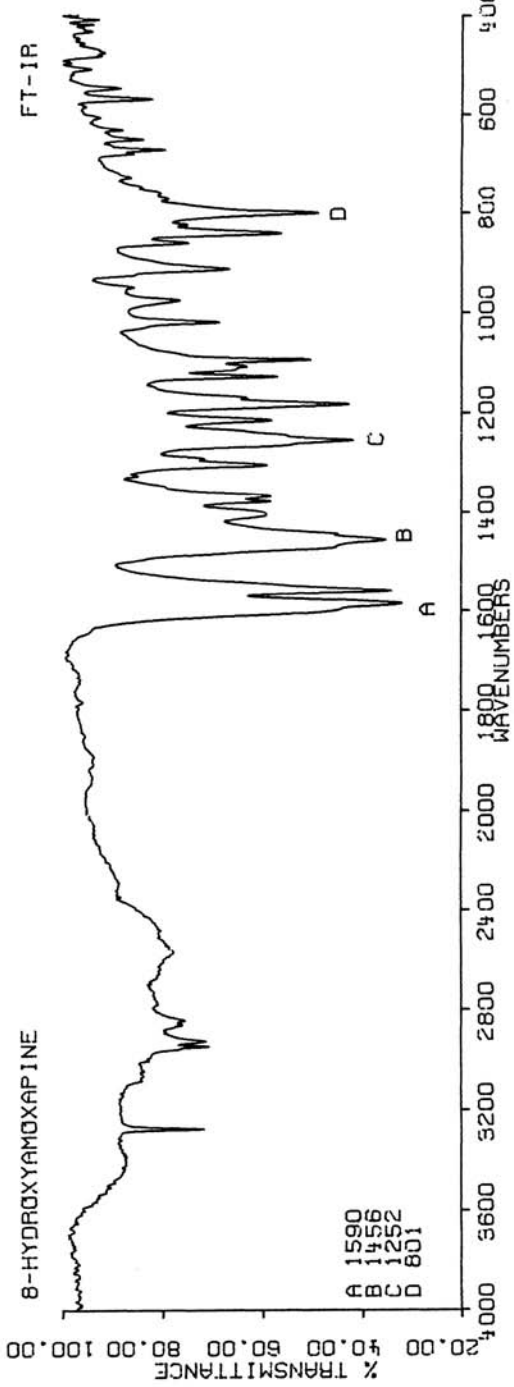




8-HYDROXYAMOXAPINE




8-HYDROXYAMOXAPINE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 78 .00
2 46 3.37
3 44 3.47
4 68 3.84
5 40 6.57
6 43 6.82
7 41 6.95
8 48 7.19
9 47 7.31
10 98 7.36
Hz
PPM

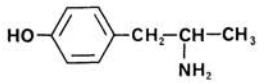

8-HYDROXYAMOXAPINE
FT-IR
A 1590
B 1456
C 1252
D 801
% TRANSMITTANCE
WAVENUMBERS

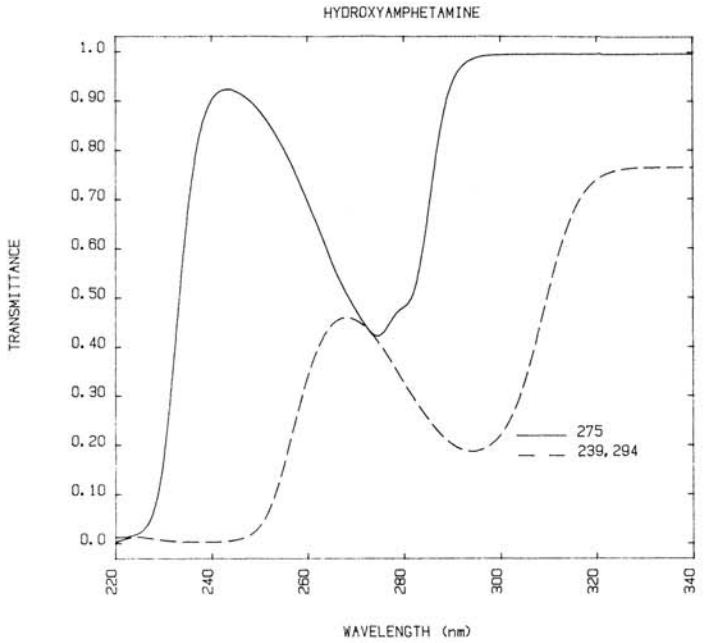
HYDROXYAMPHETAMINE

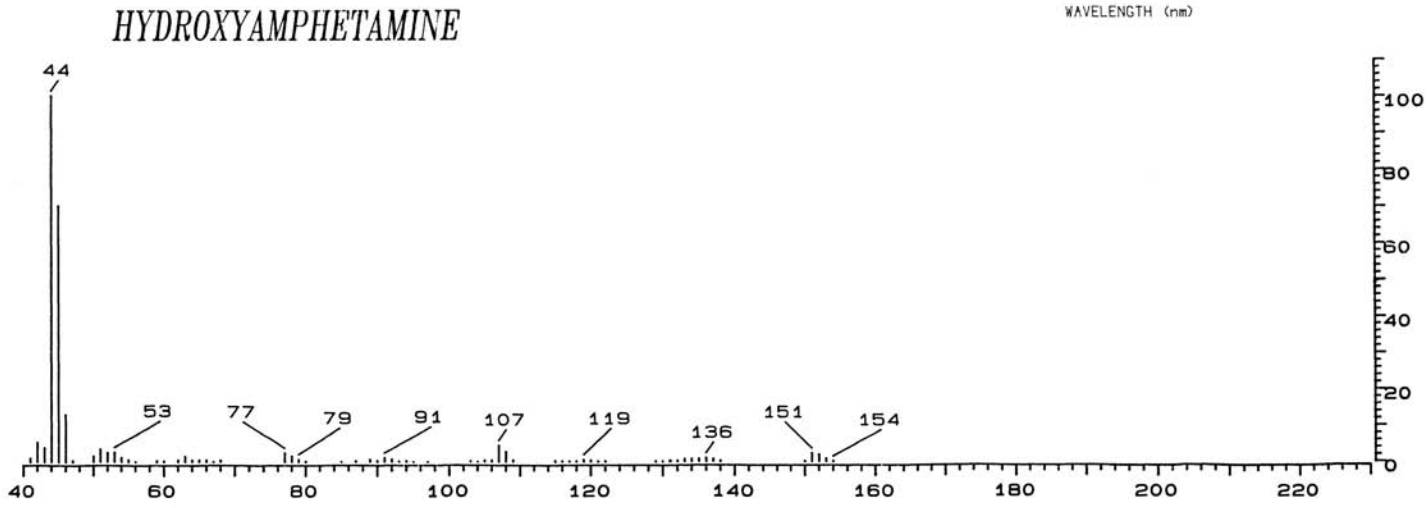
$C_9H_{13}NO$

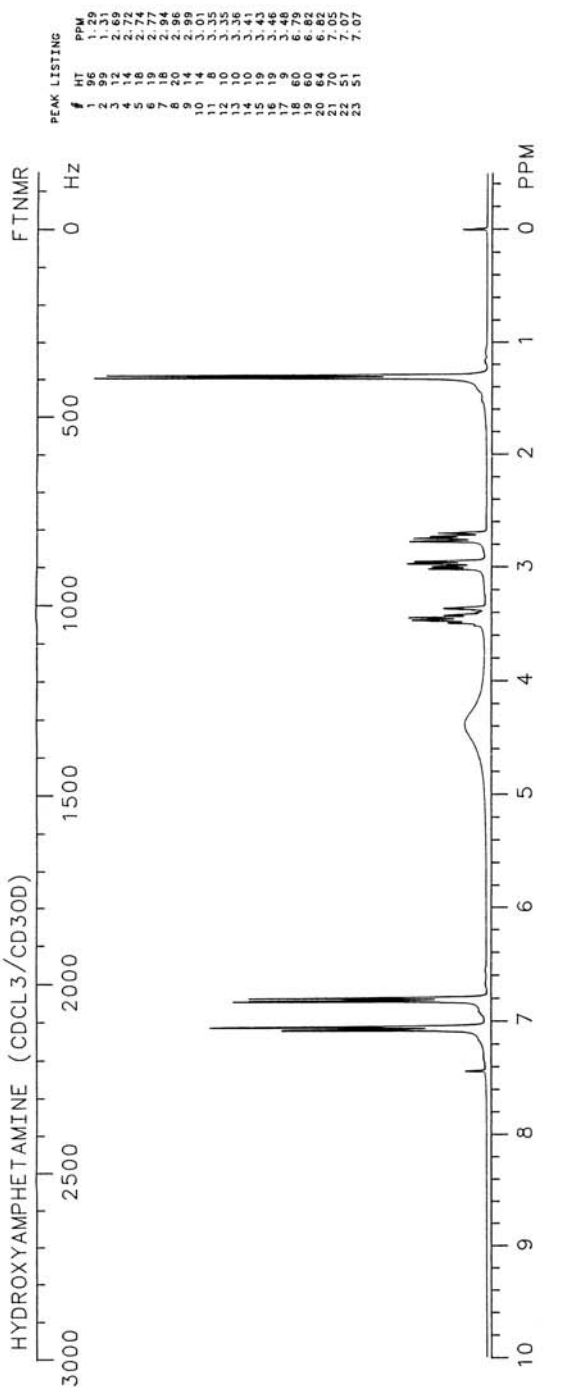
Molecular weight: 151.21 (151.10)
Synonyms: p-(2-Aminopropyl)phenol; dl-p-hydroxy-α-methyl-phenethylamine
Trade names: Paredrine

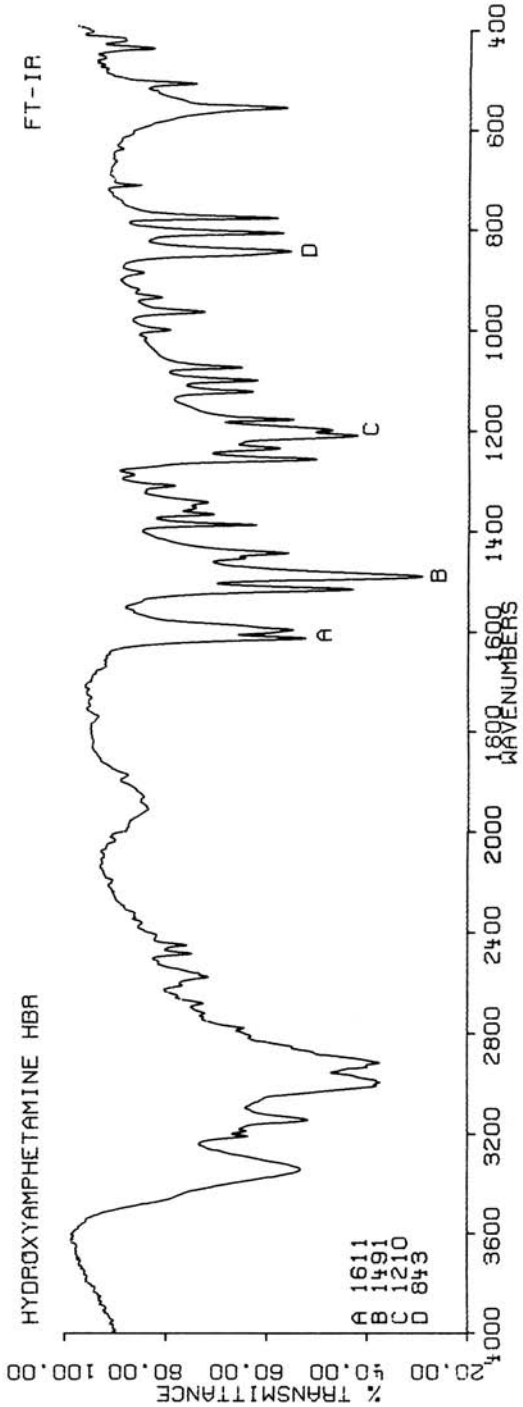
Use: Adrenergic
HPLC: Si-10; 20A:80B; 5.0
GC: 1501; 200°C








HYDROXYAMPHETAMINE (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 96 1.29
2 99 1.31
3 92 2.69
4 14 2.72
5 18 2.74
6 19 2.77
7 18 2.94
8 20 2.96
9 14 2.99
10 14 3.01
11 8 3.35
12 10 3.35
13 10 3.36
14 10 3.41
15 19 3.43
16 19 3.46
17 9 3.48
18 60 6.79
19 60 6.82
20 64 6.82
21 70 7.05
22 51 7.07
23 51 7.07


HYDROXYAMPHETAMINE HBR
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 1611
B 1491
C 1210
D 843

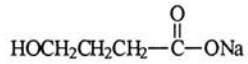
γ-HYDROXYBUTYRIC ACID SODIUM

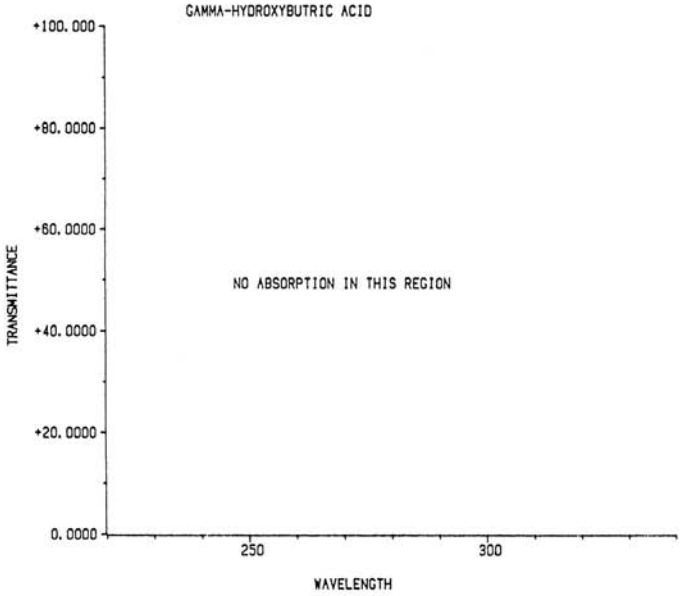
$C_4H_7O_3Na$

Molecular Weight: 126.09 (126.03)

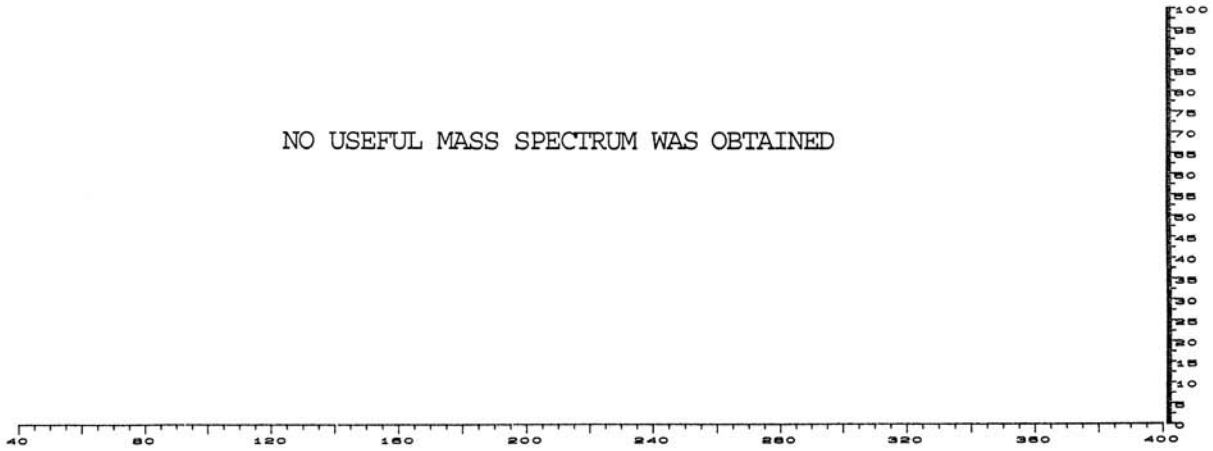
Synonyms: 3-Hydroxybutanoic acid sodium, GHB sodium
Trade Names:
Use:

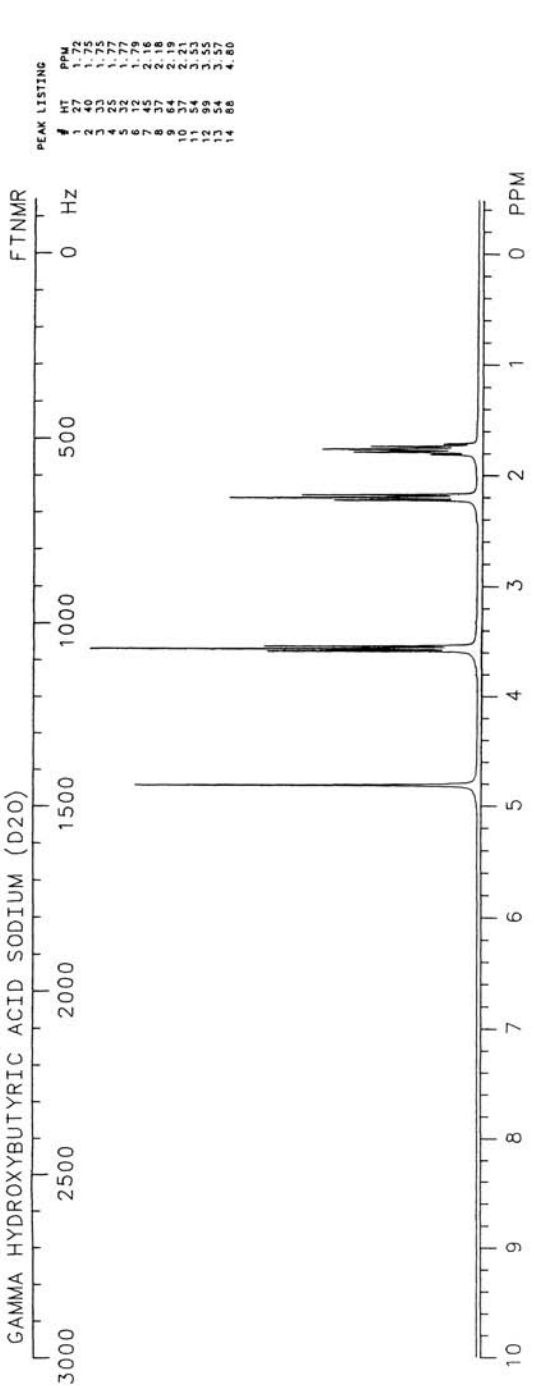
HPLC:
GC:

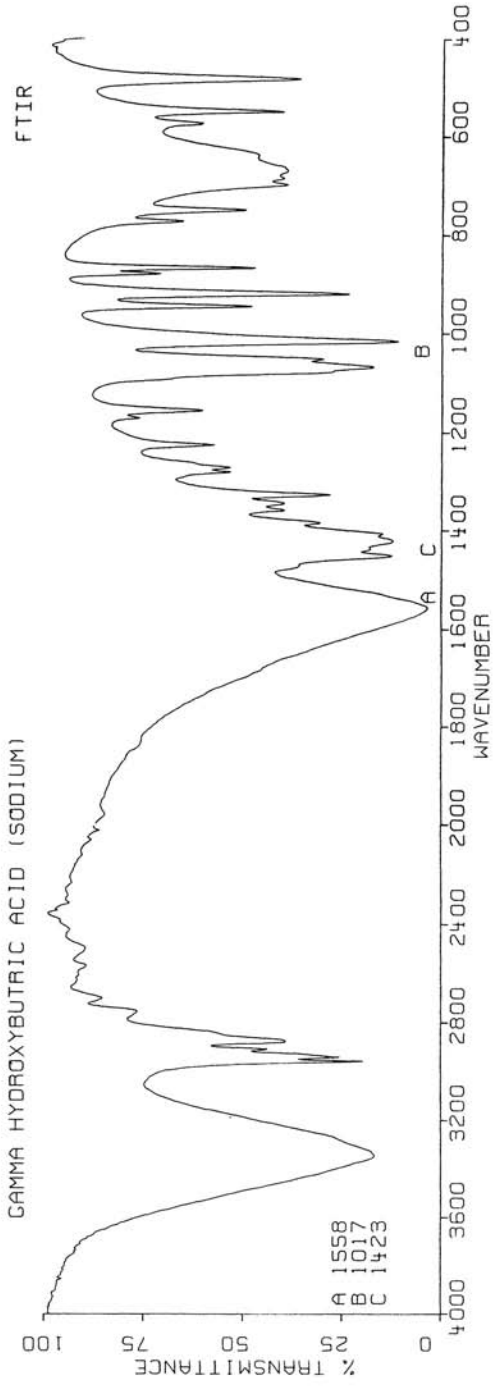




NO USEFUL MASS SPECTRUM WAS OBTAINED




GAMMA HYDROXYBUTYRIC ACID SODIUM (D2O)
FTNMR
PEAK LISTING
HT PPM
1 27 1.72
2 40 1.75
3 33 1.75
4 25 1.77
5 32 1.77
6 12 1.78
7 45 2.16
8 37 2.18
9 64 2.19
10 37 2.21
11 54 3.53
12 69 3.55
13 54 3.57
14 88 4.80
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

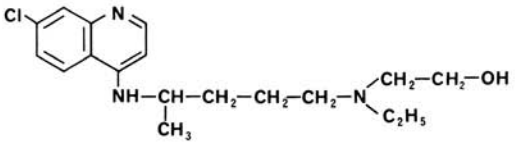

GAMMA HYDROXYBUTRIC ACID (SODIUM)
FTIR
A 1558
B 1017
C 1423
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

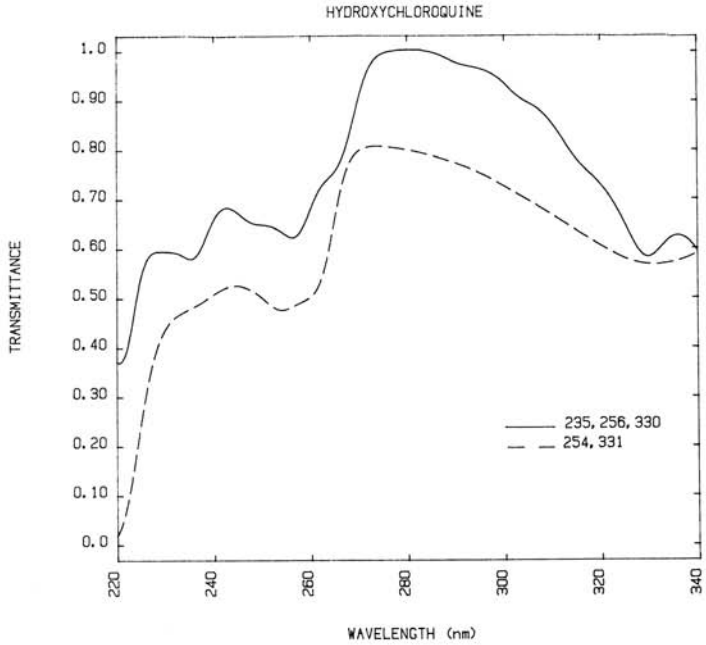
HYDROXYCHLOROQUINE

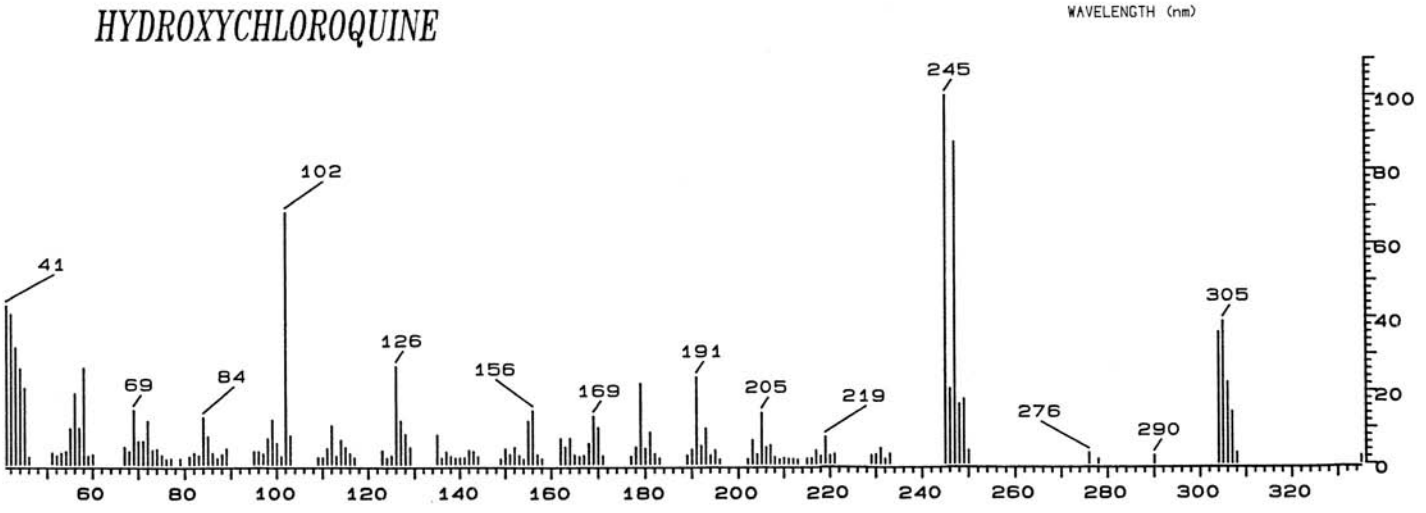
$C_{18}H_{26}ClN_3O$

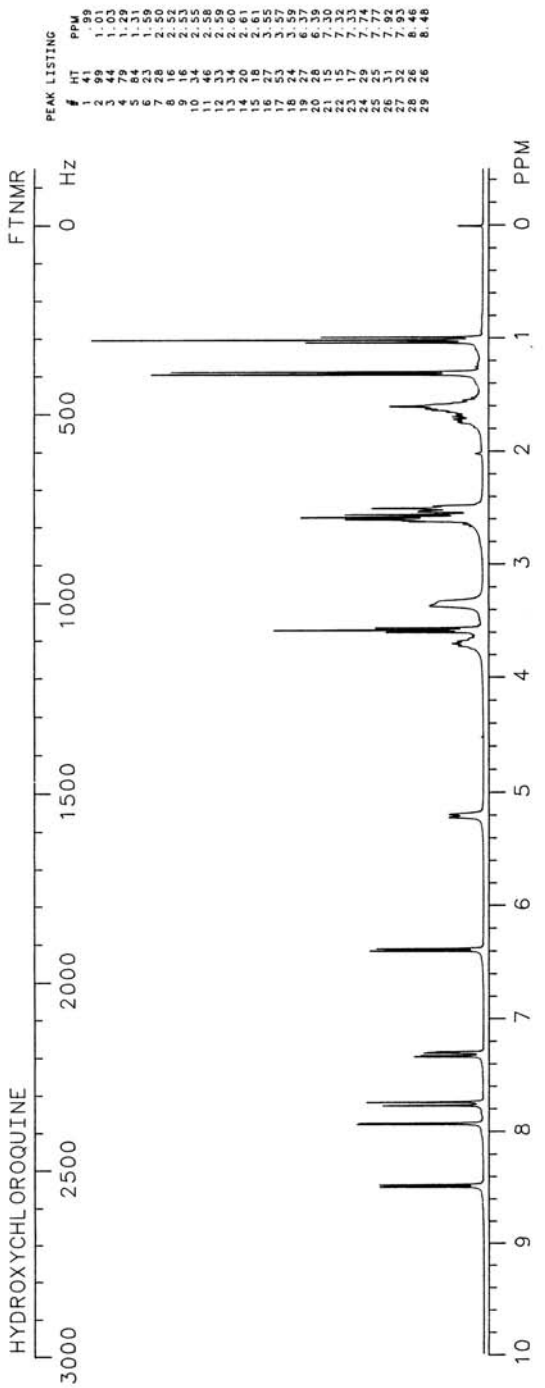
Molecular weight: 335.88 (335.17)
Synonyms: 2-[[4-[(7-Chloro-4-quinolinyl)amino]penyl]ethylamino]-
ethanol; oxychloroquine; oxichlorochine
Trade names: Plaquenil

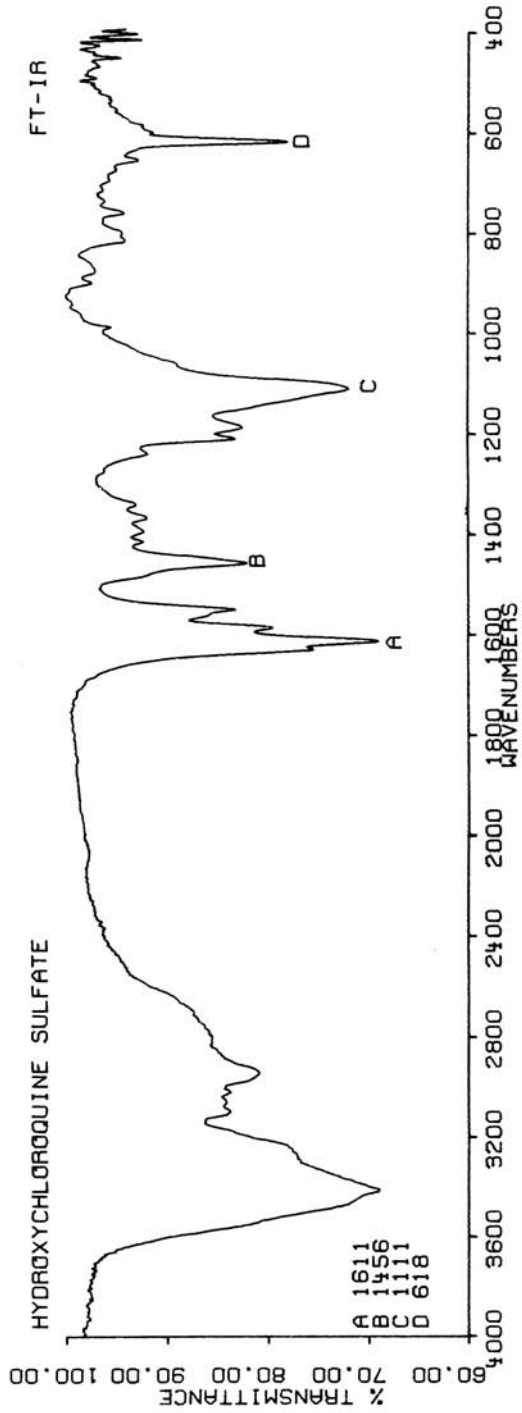
Use: Antimalarial
HPLC: Si-10; 20A:80B; 6.0
GC:








HYDROXYCHLOROQUINE
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 .99
2 99 1.01
3 44 1.03
4 79 1.29
5 84 1.31
6 23 1.59
7 28 2.50
8 16 2.52
9 16 2.53
10 34 2.55
11 46 2.58
12 33 2.59
13 34 2.60
14 20 2.61
15 18 3.55
16 27 3.57
17 53 3.59
18 24 6.37
19 27 6.39
20 28 7.30
21 15 7.32
22 17 7.33
23 17 7.74
24 29 7.77
25 25 7.92
26 31 7.93
27 32 8.46
28 26 8.48
29 26

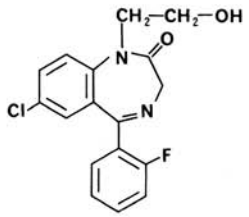

HYDROXYCHLOROQUINE SULFATE
FT-IR
% TRANSMITTANCE
100.00
90.00
80.00
70.00
60.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A 1611
B 1456
C 1111
D 618
A
B
C
D

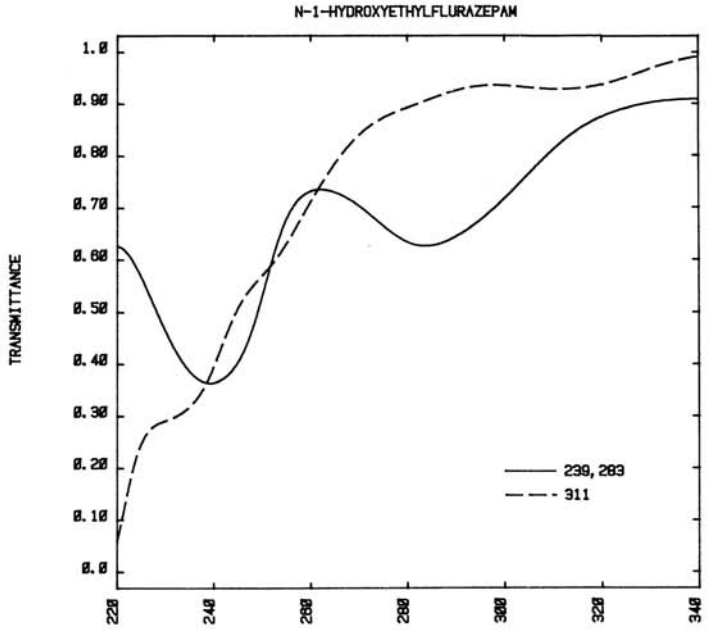
N-1-HYDROXYETHYLFLURAZEPAM

$C_{17}H_{14}ClFN_2O_2$

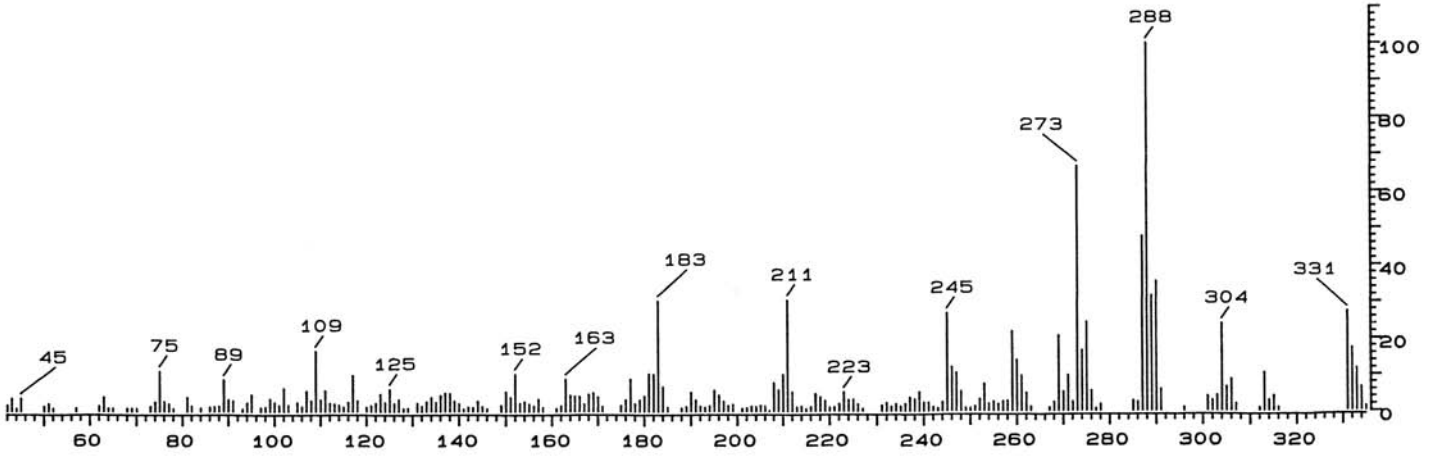
Molecular weight: 332.76 (332.07)
Synonyms: 7-Chloro-1-(2-hydroxyethyl)-5-(o-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one
Trade names:

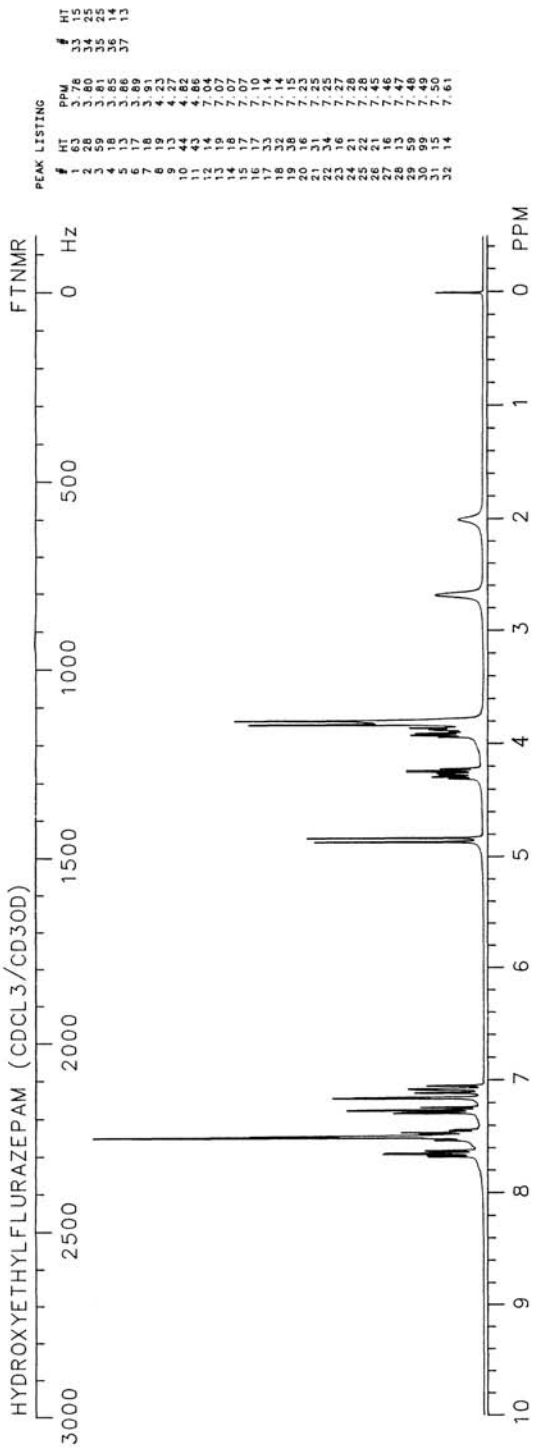
Use:
HPLC: Si-10; 2A:98B; 5.0
GC: 2724; 250°C

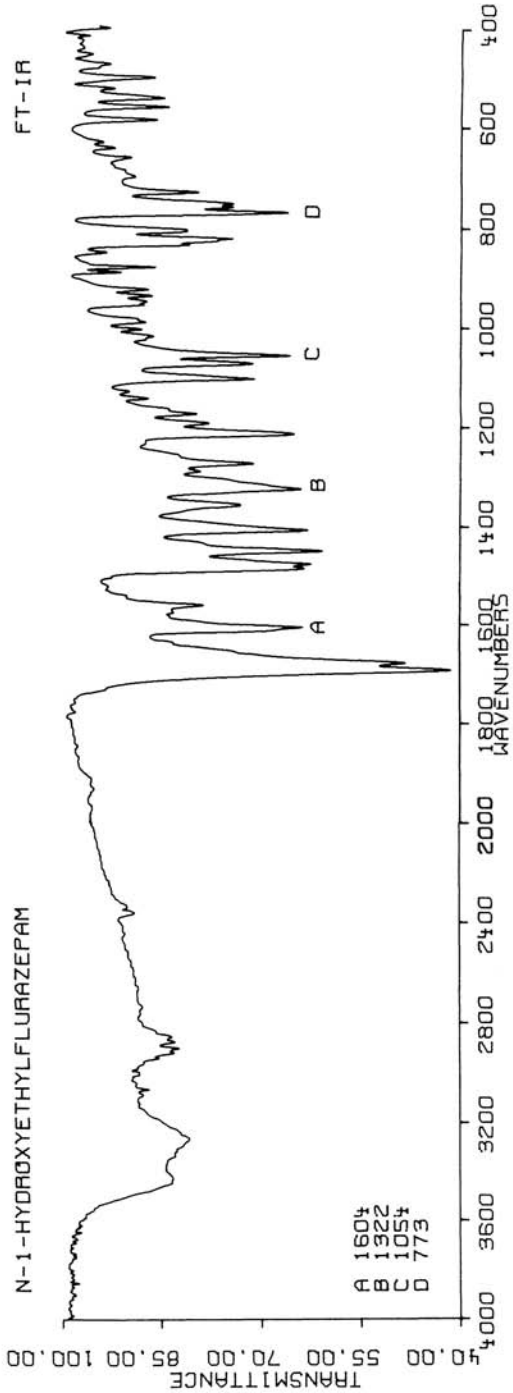




N-1-HYDROXYETHYLFLURAZEPAM




HYDROXYETHYLFLURAZEPAM (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM # HT
1 63 3.78 33 15
2 28 3.80 34 25
3 59 3.81 35 25
4 18 3.85 36 14
5 13 3.86 37 13
6 17 3.89
7 18 3.91
8 19 4.23
9 13 4.27
10 44 4.28
11 43 4.86
12 14 7.04
13 19 7.07
14 18 7.07
15 17 7.10
16 33 7.14
17 32 7.14
18 16 7.15
19 38 7.23
20 16 7.25
21 31 7.25
22 34 7.27
23 16 7.28
24 21 7.28
25 22 7.45
26 21 7.46
27 16 7.47
28 13 7.48
29 59 7.49
30 15 7.50
31 15 7.60
32 14 7.61
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

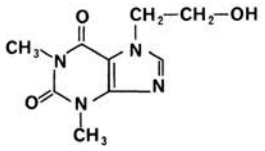

FT-IR
N-1-HYDROXYETHYLFLURAZEPAM
A 1604
B 1322
C 1054
D 773
A
B
C
D
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

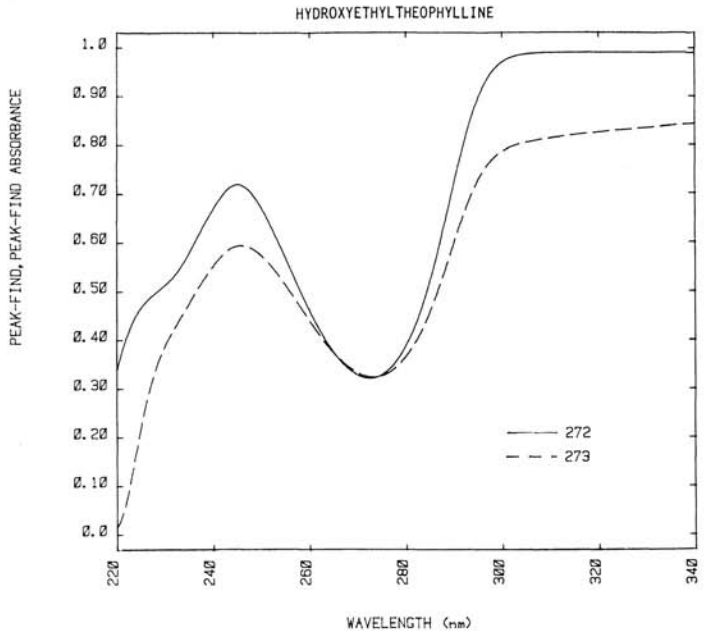
HYDROXYETHYLTHEOPHYLLINE

$C_9H_{12}N_4O_3$

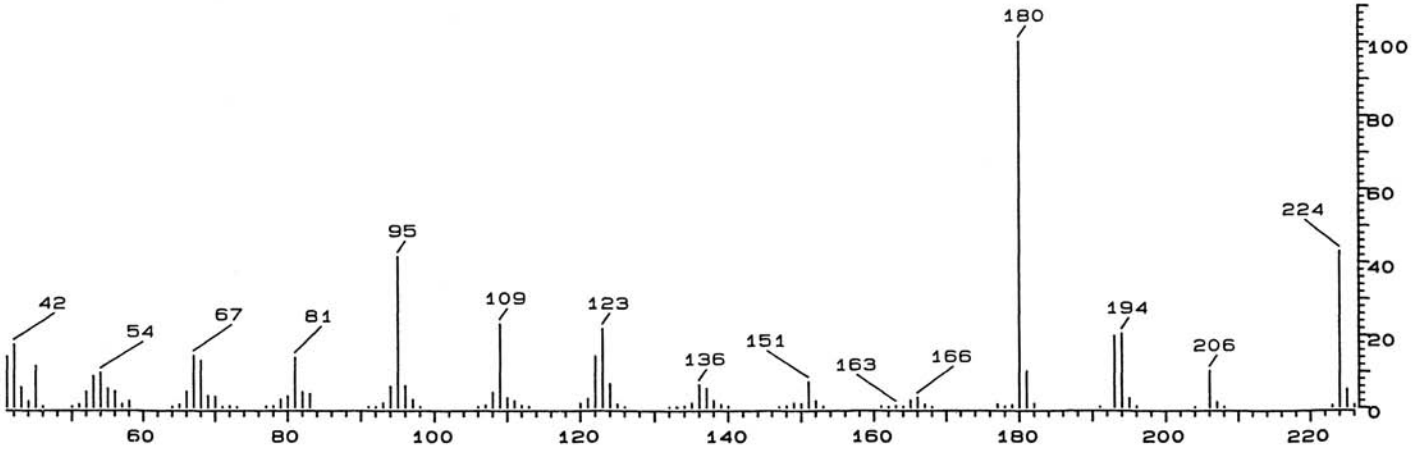
Molecular weight: 224.22 (224.09)
Synonyms: 3,7-Dihydro-1,3-dimethyl-8-(2-hydroxyethyl)-1H-purine-2,6-dione
Trade names:

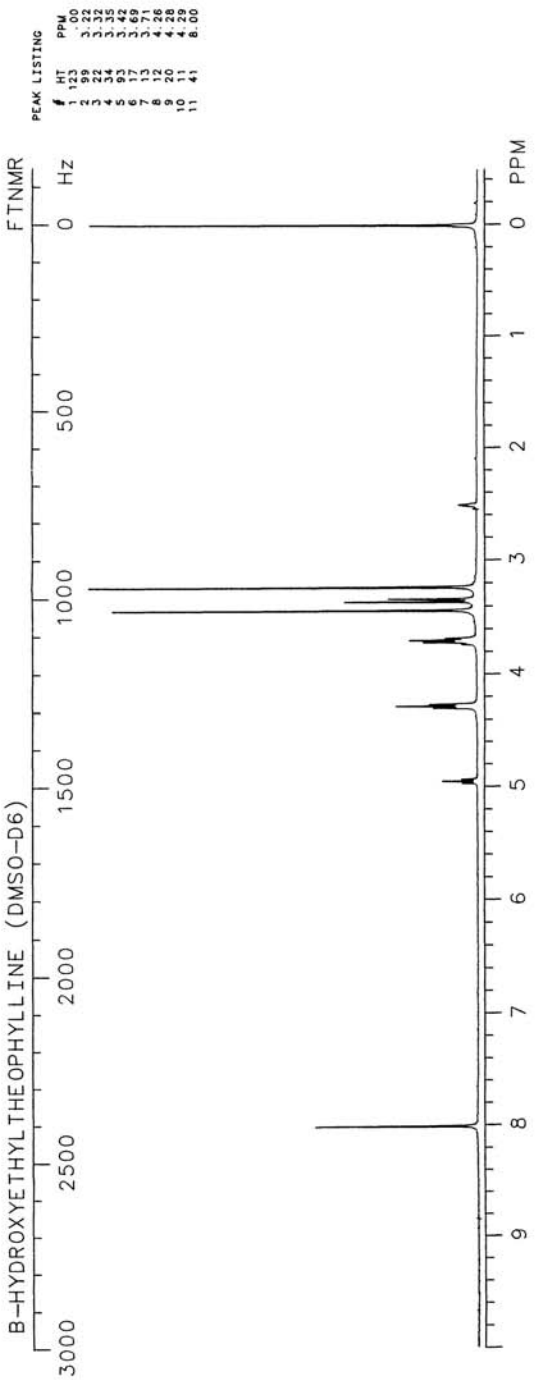
Use:
HPLC: Si-10; 2A:98B; 7.0
GC: 2137; 250°C

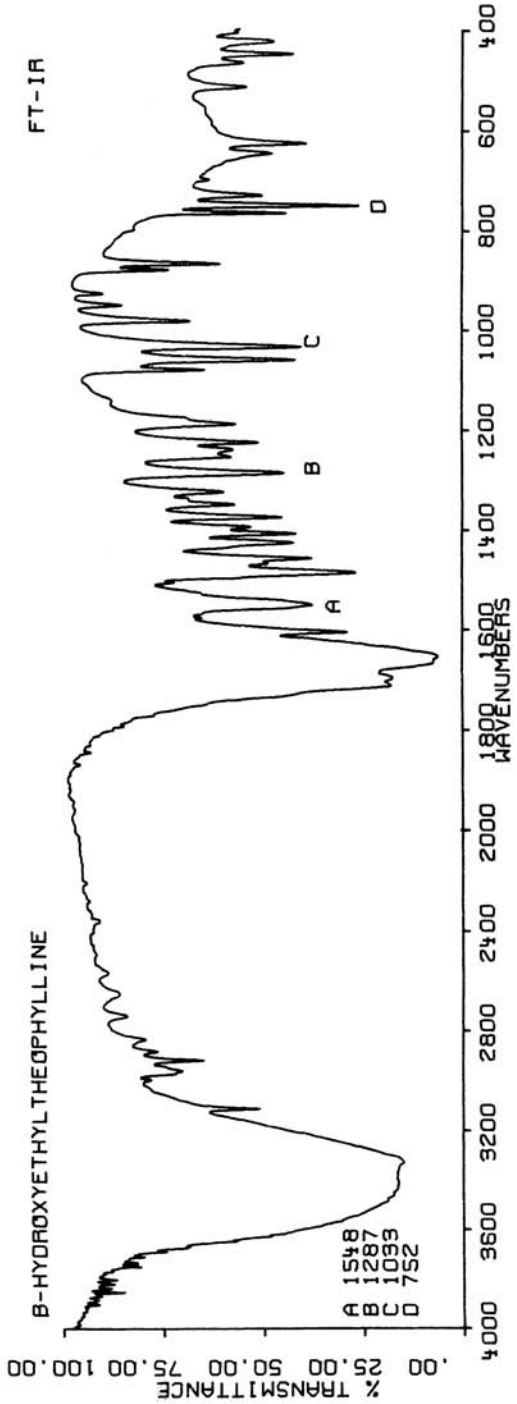




BETA–HYDROXYETHYLTHEOPHYLLINE




B-HYDROXYETHYLTHEOPHYLLINE (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 123 .00
2 99 3.22
3 22 3.32
4 24 3.35
5 93 3.42
6 17 3.69
7 13 3.71
8 12 4.26
9 20 4.28
10 11 4.29
11 41 8.00
3000 2500 2000 1500 1000 500 0 Hz
9 8 7 6 5 4 3 2 1 0 PPM


B-HYDROXYETHYLTHEOPHYLLINE
FT-IR
A 1548
B 1287
C 1033
D 752
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

5–HYDROXYINDOLE–3–ACETIC ACID

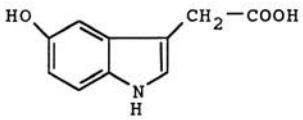
$C_{10}H_9NO_3$

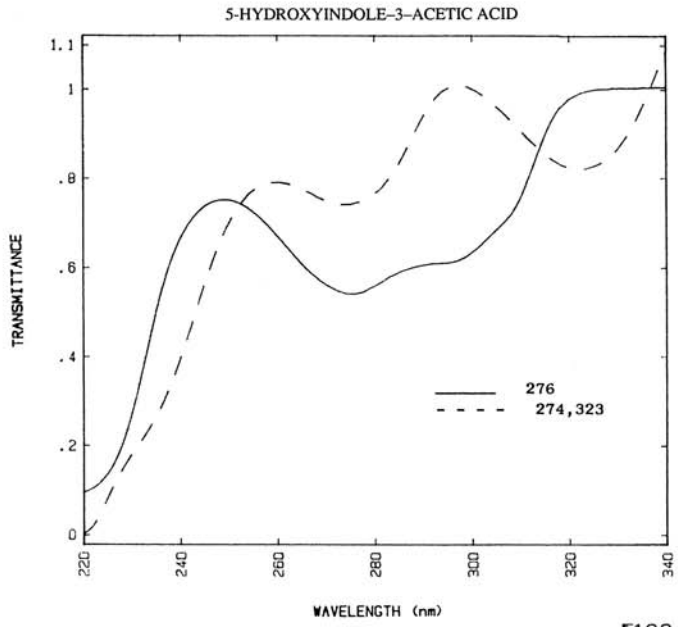
Molecular weight: 191.19 (191.06)

Synonyms:

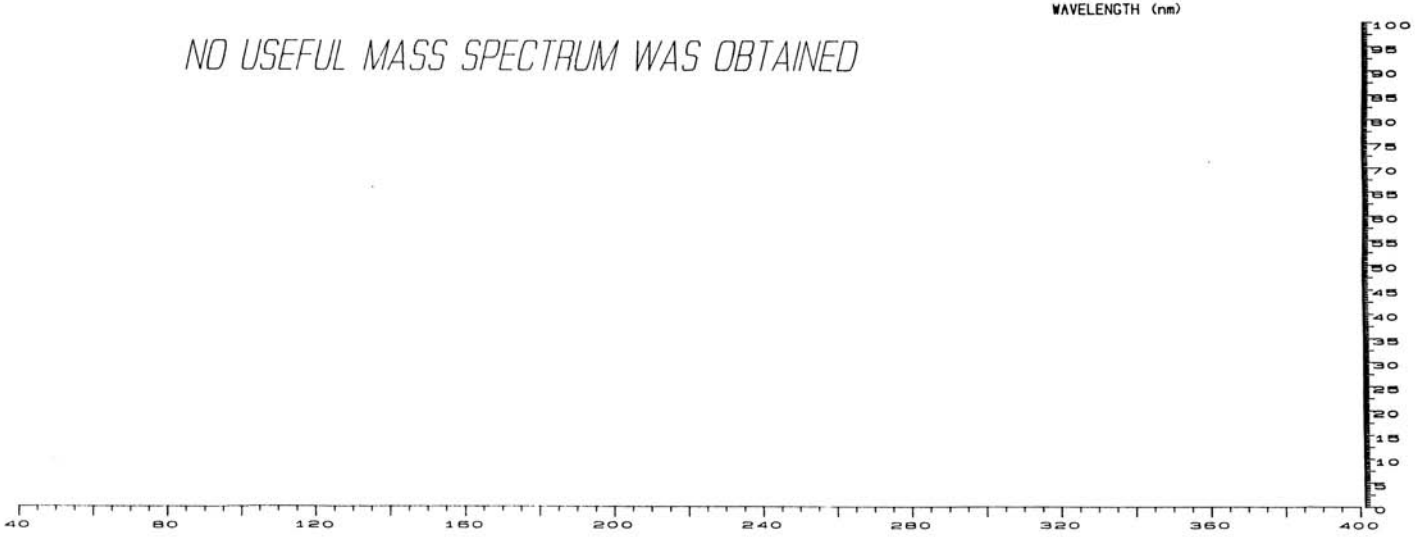
Trade names:

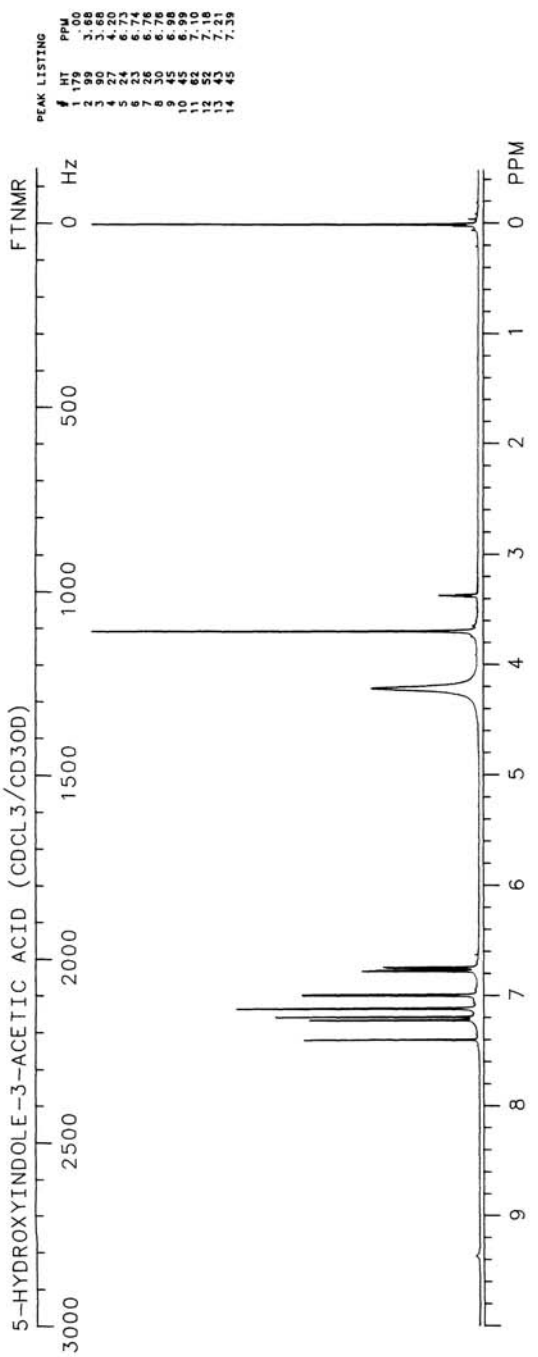
Use: Metabolite of Serotonin
HPLC: 50A:50B; 1.4
GC:

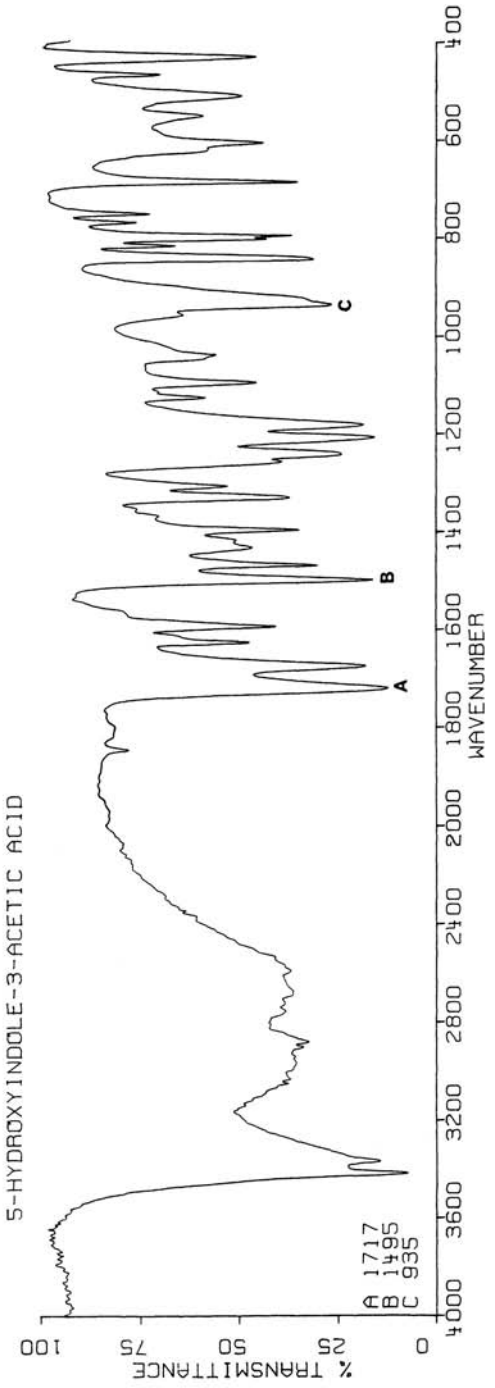




NO USEFUL MASS SPECTRUM WAS OBTAINED




5-HYDROXYINDOLE-3-ACETIC ACID (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
1 179 .00
2 99 3.68
3 60 3.68
4 27 4.00
5 24 6.73
6 23 6.74
7 26 6.76
8 30 6.78
9 45 6.98
10 45 7.10
11 62 7.10
12 52 7.18
13 43 7.21
14 45 7.39


5-HYDROXYINDOLE-3-ACETIC ACID
% 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 1717
B 1495
C 935

HYDROXYLAMINE

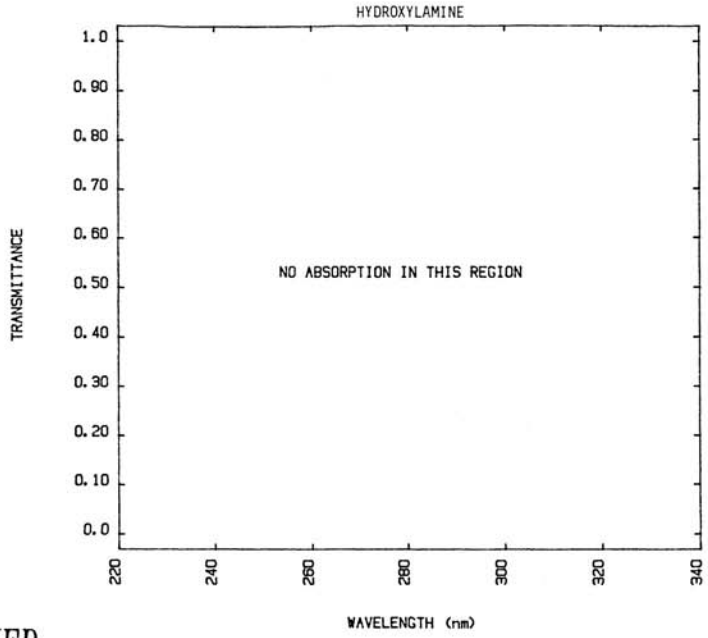
H_3NO

Molecular weight: 33.03 (33.02)
Synonyms:

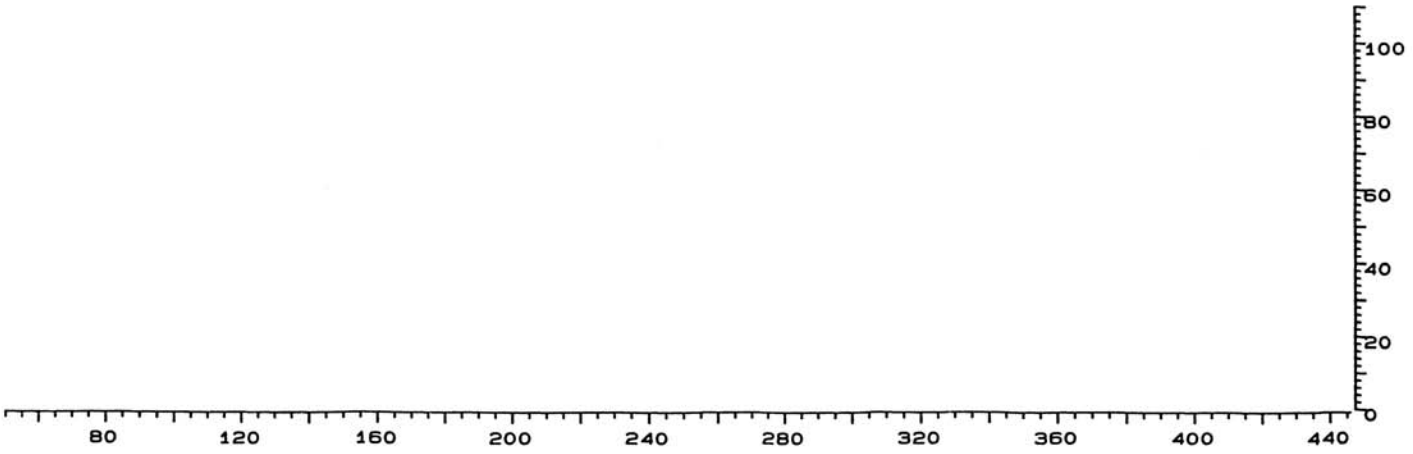
Trade names:

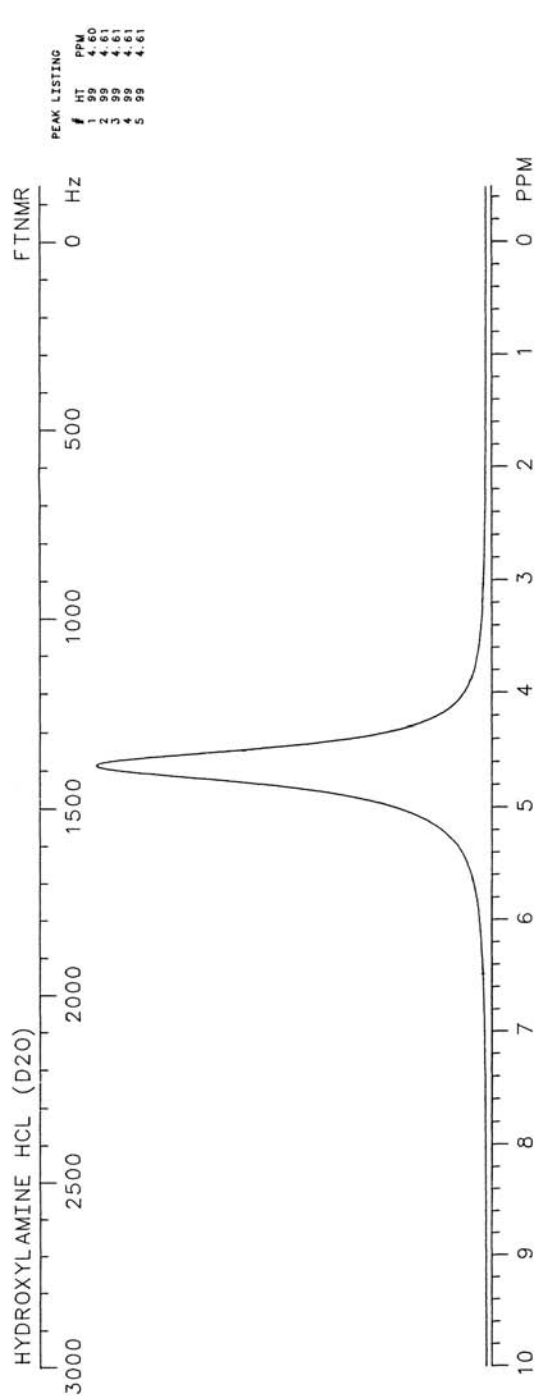
Use: Synthesis
HPLC: Si-10; 20A:80B; 6.1
GC:

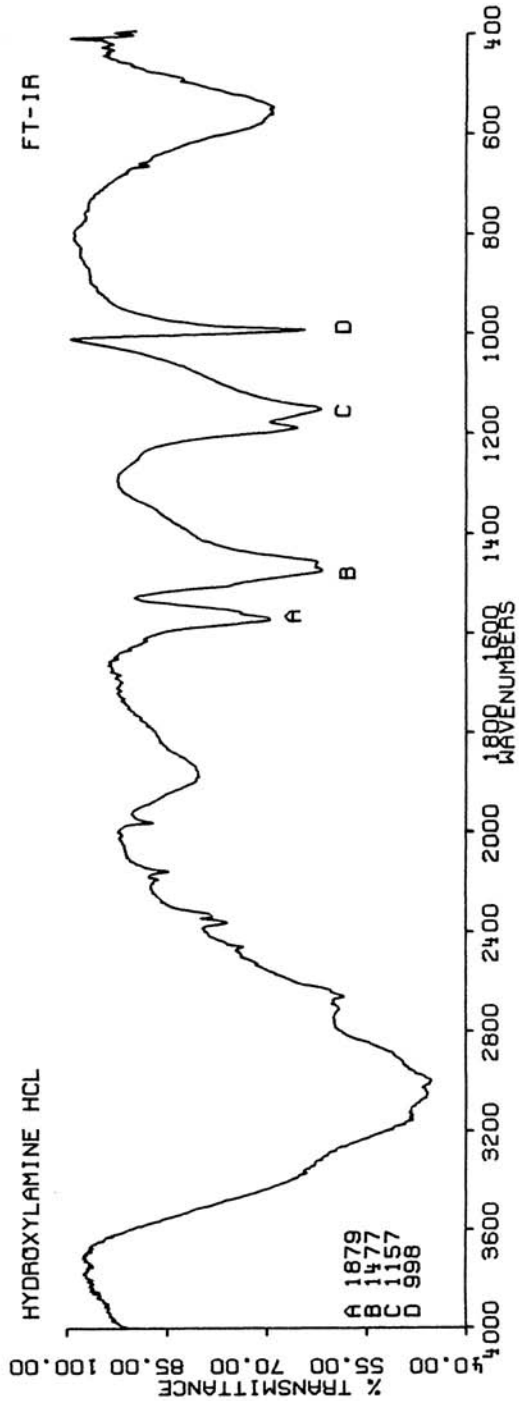
NH_2-OH



NO USEFUL MASS SPECTRUM WAS OBTAINED




HYDROXYLAMINE 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 99 4.60
2 99 4.61
3 99 4.61
4 99 4.61
5 99 4.61

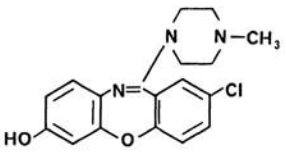

HYDROXYLAMINE HCL
FT-IR
A 1879
B 1477
C 1157
D 998
A
B
C
D
% TRANSMITTANCE
40.00 55.00 70.00 85.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

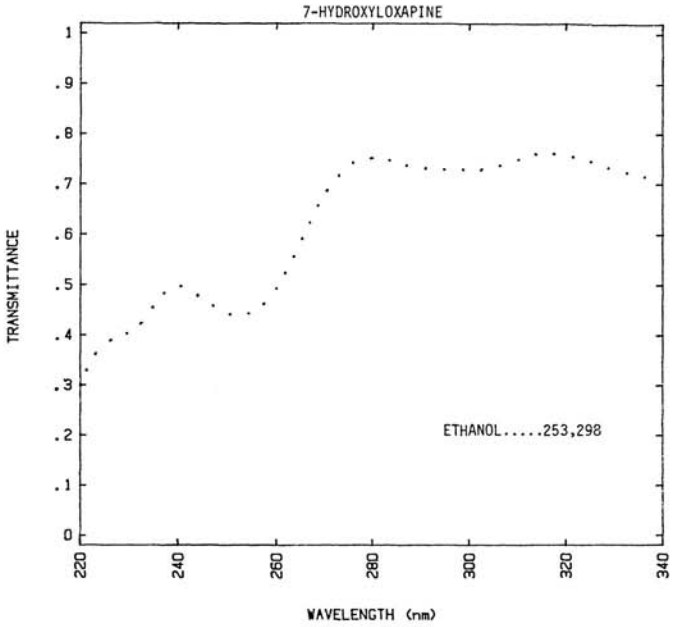
7- HYDROXYLOXAPINE

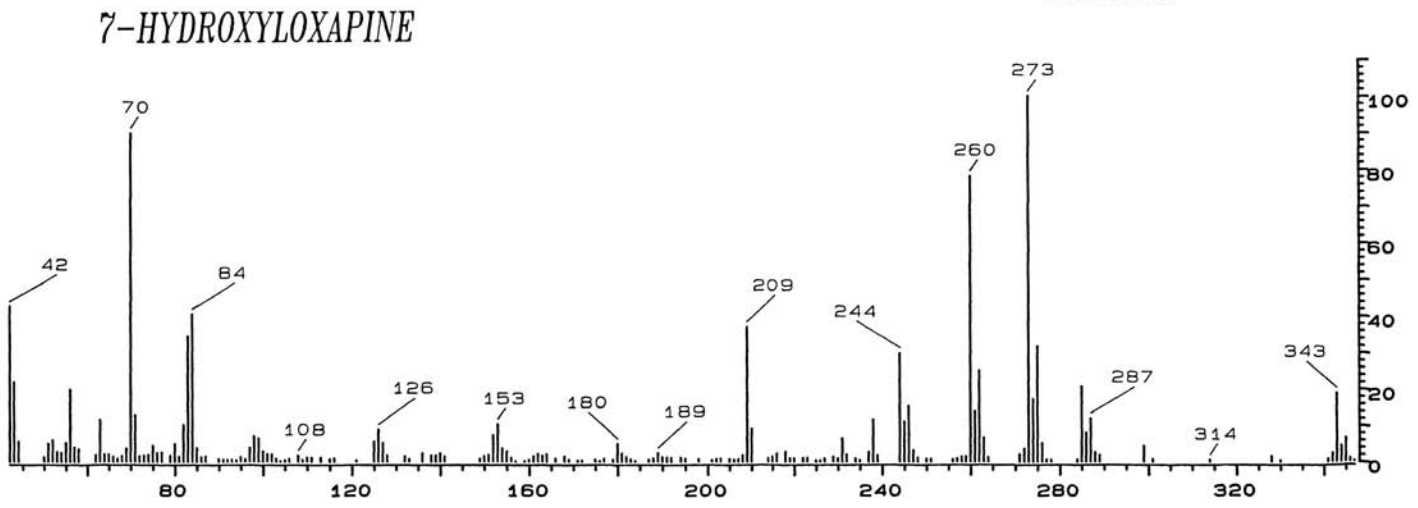
$C_{18}H_{18}ClN_3O_2$

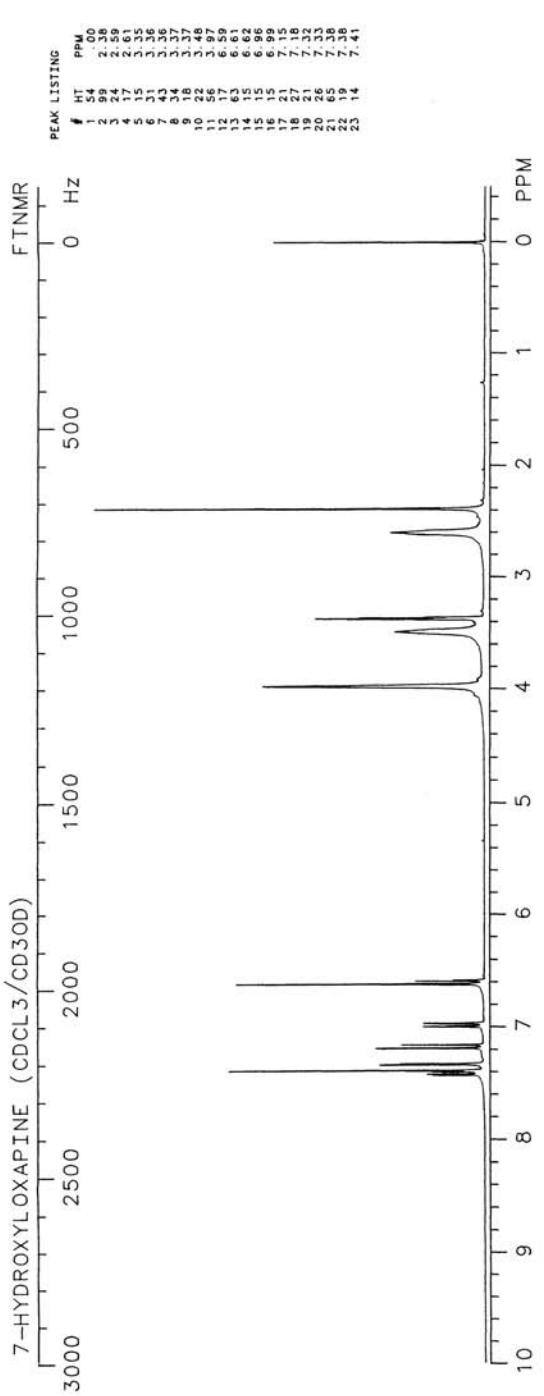
Molecular weight: 343.80 (343.11)
Synonyms: 7-Hydroxy-2-chloro-11-(4-methyl-1-piperazinyl)-dibenz[b,f]-[1,4]-oxazepine
Trade names:

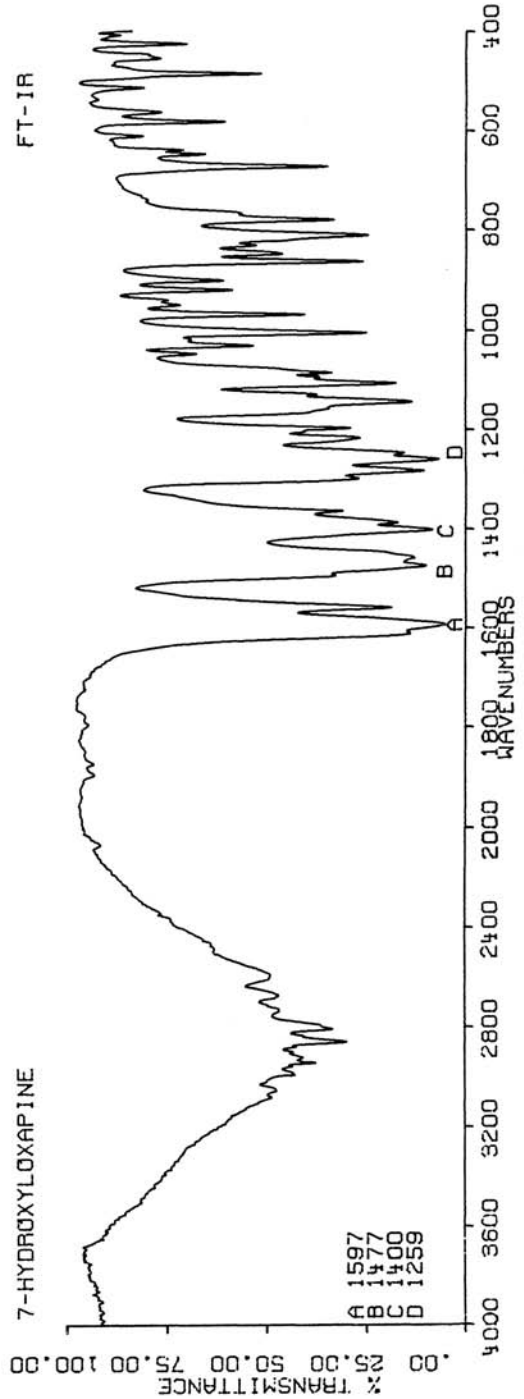
Use: Metabolite
HPLC:
GC: 3034; 280°C








7-HYDROXYLOXAPINE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 54 7.41
2 99 7.38
3 24 7.33
4 17 7.32
5 15 7.18
6 31 7.15
7 43 6.99
8 34 6.96
9 18 6.62
10 22 6.61
11 56 6.59
12 63 3.97
13 14 3.48
14 15 3.37
15 15 3.36
16 15 3.35
17 21 2.61
18 27 2.59
19 21 2.38
20 26 2.00
21 65 7.38
22 19 7.41
23 14
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

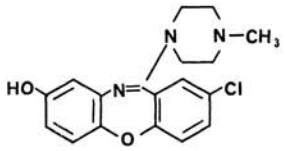

7-HYDROXYLOXAPINE
FT-IR
A 1597
B 1477
C 1400
D 1259
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A B C D

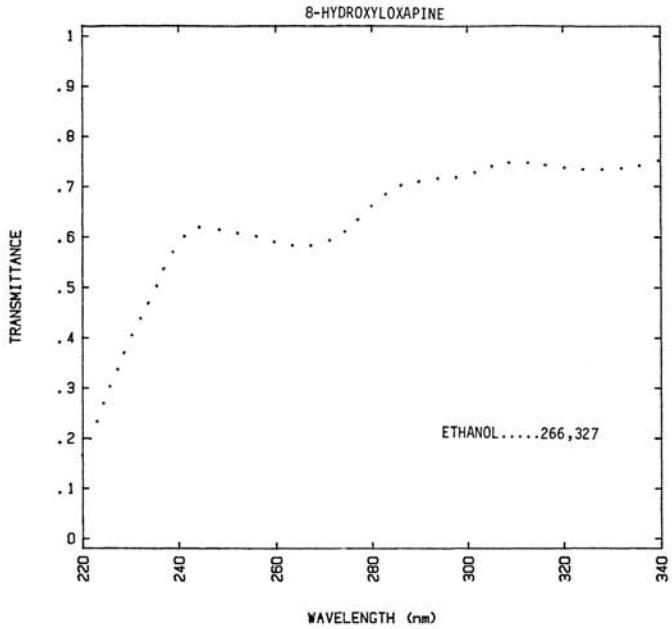
8-HYDROXYLOXAPINE

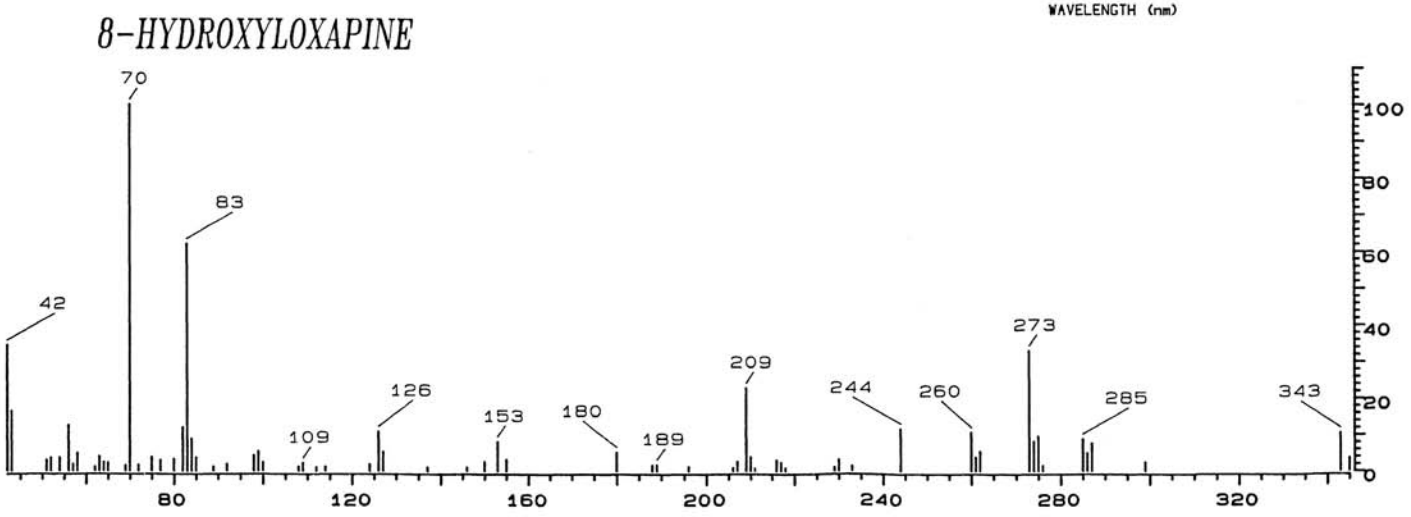
$C_{18}H_{18}ClN_3O_2$

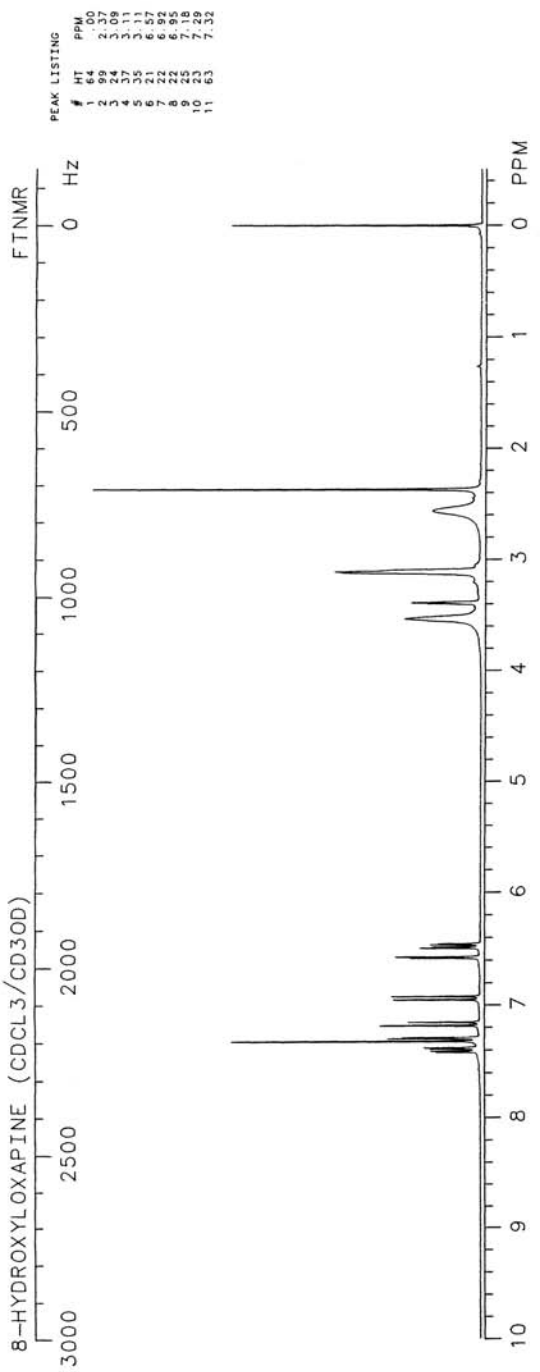
Molecular weight: 343.80 (343.11)
Synonyms: 8-Hydroxy-2-chloro-11-(4-Methyl-1-piperazinyl)-dibenz[b,f]-[1,4]-oxazepine
Trade names:

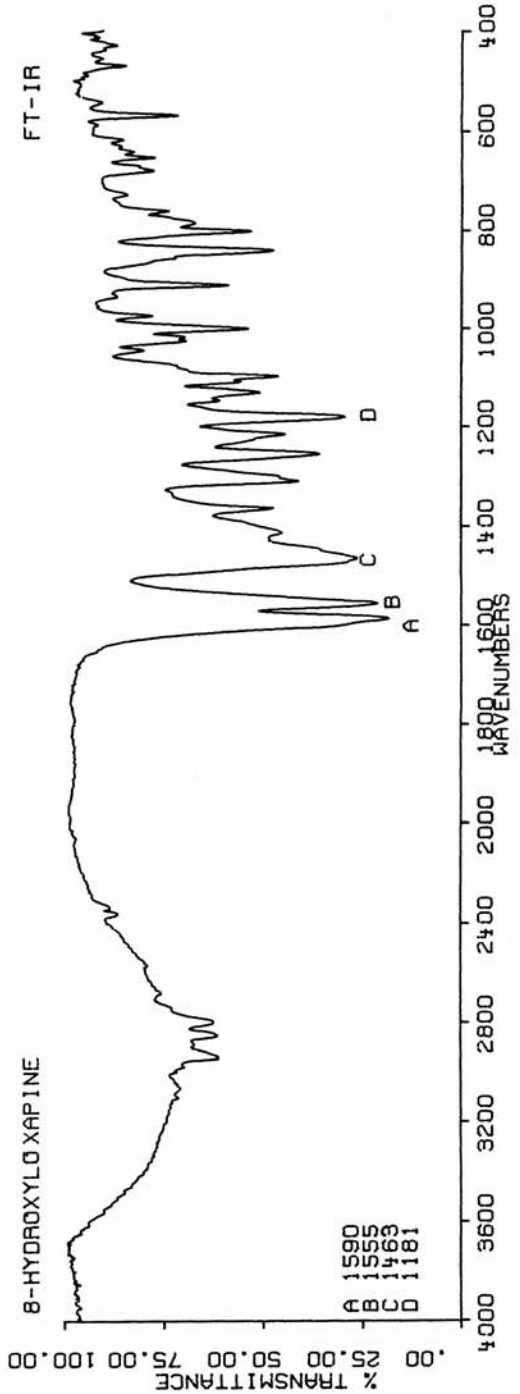
Use: Metabolite
HPLC:
GC: 2979; 280°C








8-HYDROXYLOXAPINE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 64 .00
2 99 2.37
3 24 3.09
4 37 3.11
5 35 3.31
6 21 6.97
7 22 6.92
8 22 6.95
9 25 7.18
10 23 7.29
11 63 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


8-HYDROXYLOXAPINE
FT-IR
A 1590
B 1555
C 1463
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

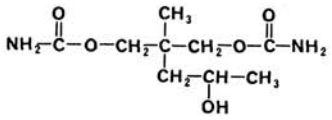
HYDROXYMEPROBAMATE

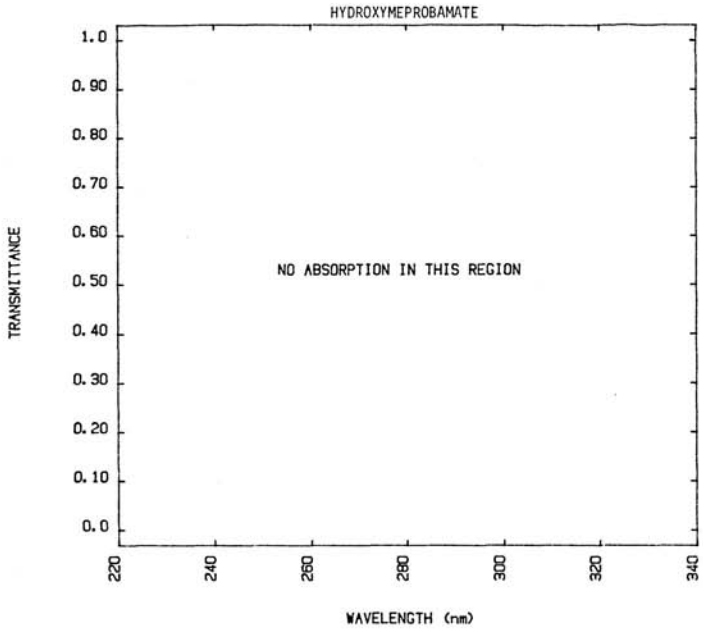
$C_9H_{18}N_2O_5$

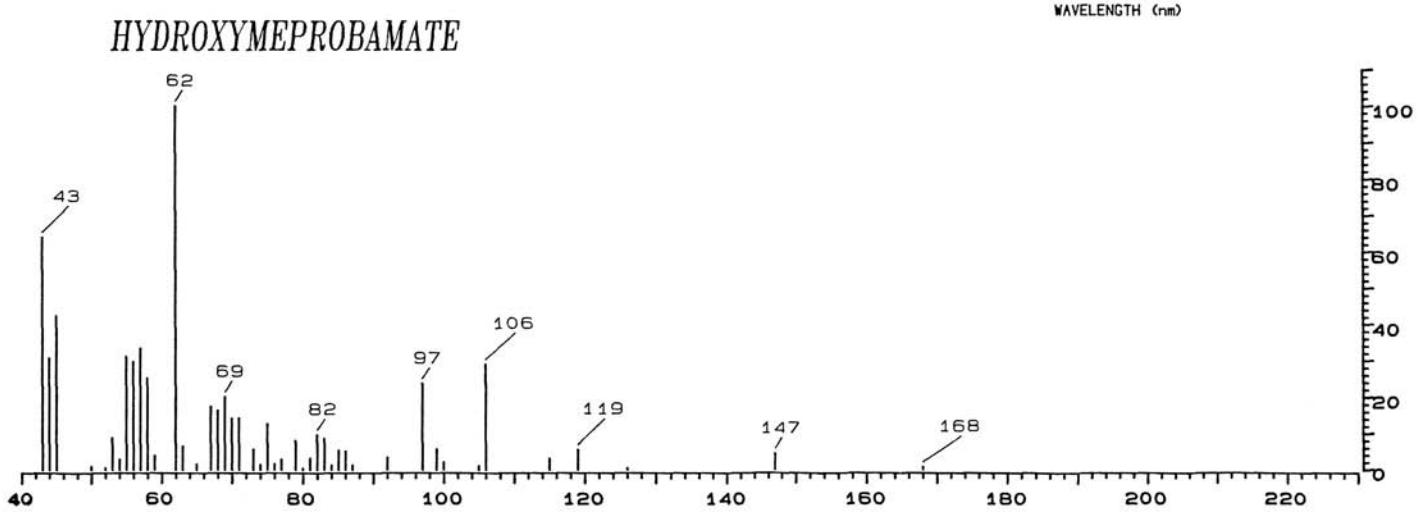
Molecular weight: 234.22 (234.12)
Synonyms: Hydroxy-2-methyl-2-propyl-1,3-propanediol dicarbamate

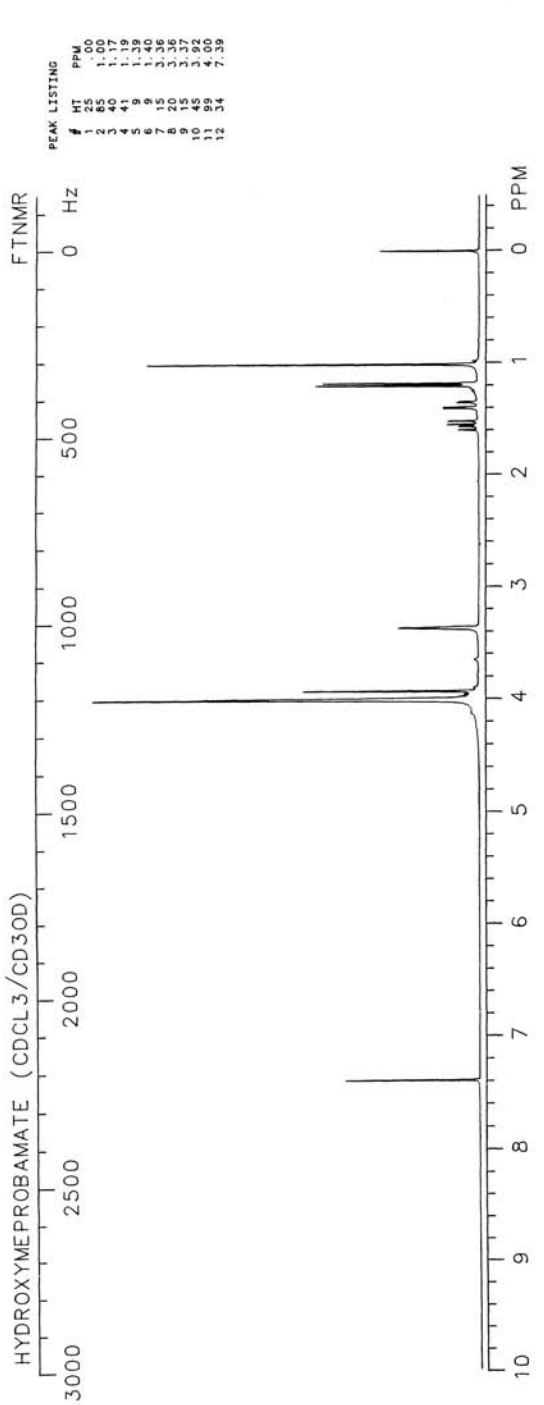
Trade names:

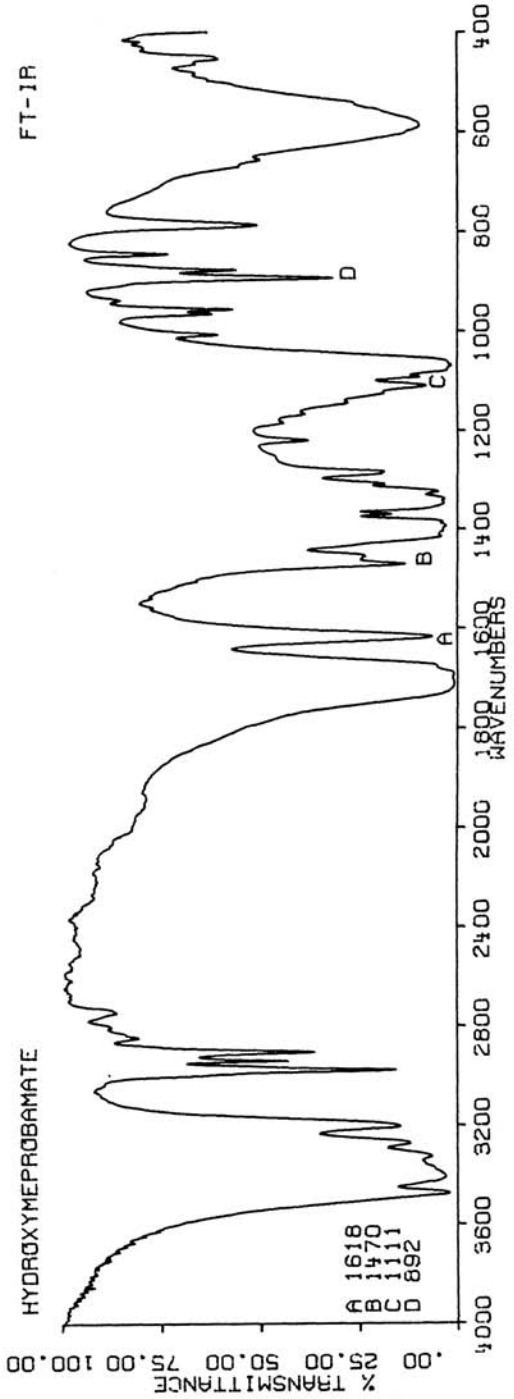
Use: Metabolite
HPLC:
GC: 1706; 200°C








HYDROXYMEPROBAMATE (CDCL3/CD3OD)
FTNMR
0 Hz
0 PPM
PEAK LISTING
HT PPM
1 25 .00
2 85 1.00
3 40 1.17
4 41 1.19
5 9 1.39
6 8 1.40
7 15 3.36
8 20 3.37
9 15 3.92
10 45 4.00
11 99 7.39
12 34


FT-IR
HYDROXYMEPROBAMATE
A 1618
B 1470
C 1111
D 892
% TRANSMITTANCE
WAVENUMBERS

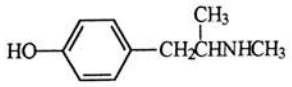
HYDROXYMETHAMPHETAMINE

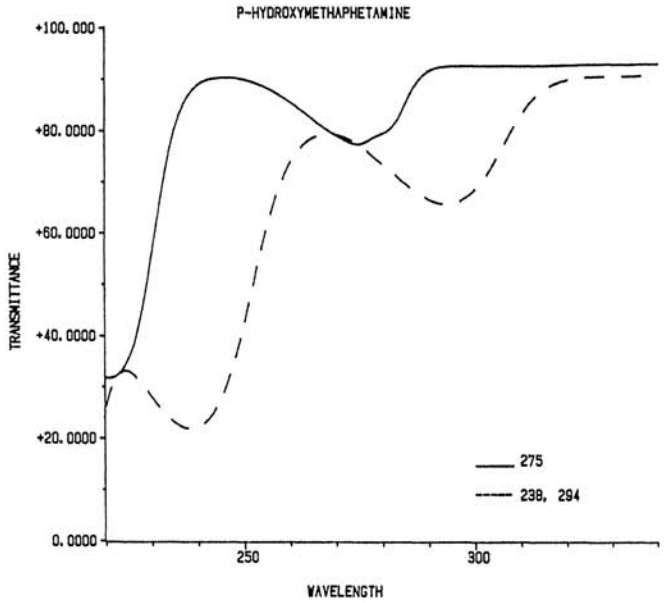
$C_{10}H_{15}NO$

Molecular Weight: 165.24 (165.12)

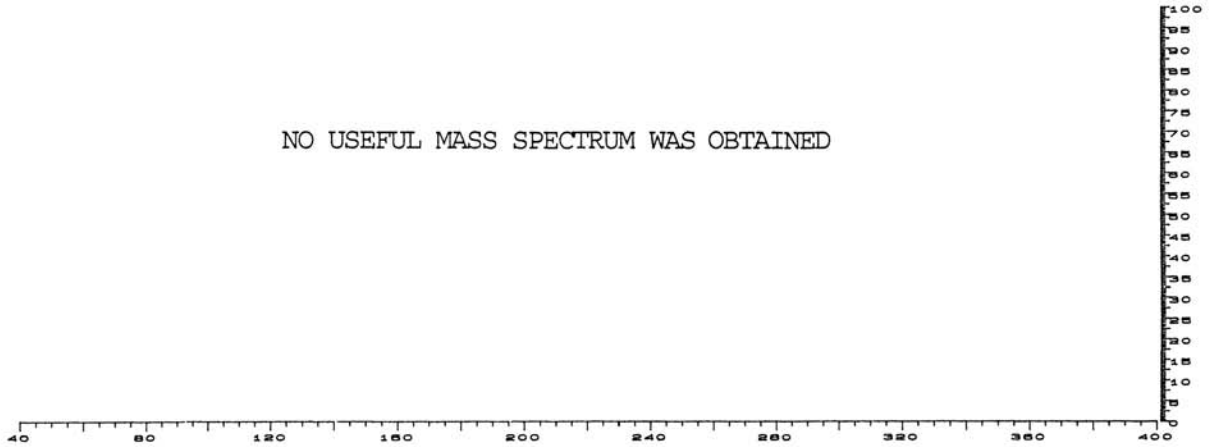
Synonyms: 4-Hydroxy-N,α-dimethylbenzeneethanamine; p-hydroxymethamphetamine; pholderin
Trade Names:
Use: Central stimulant; metabolite of methamphetamine

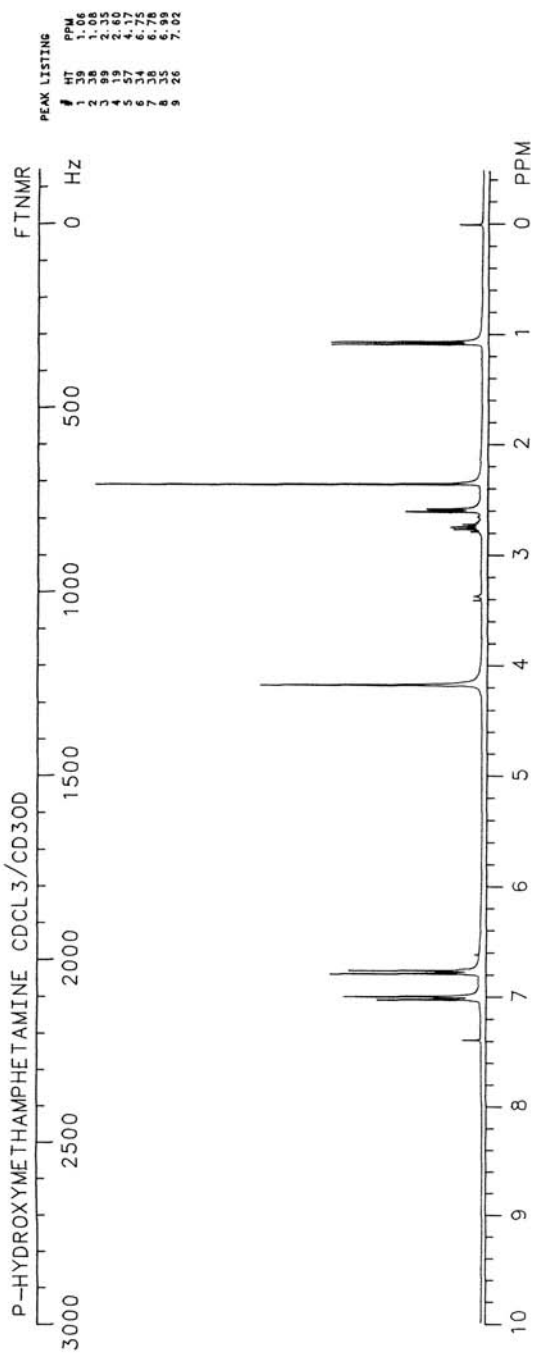
HPLC:
GC:

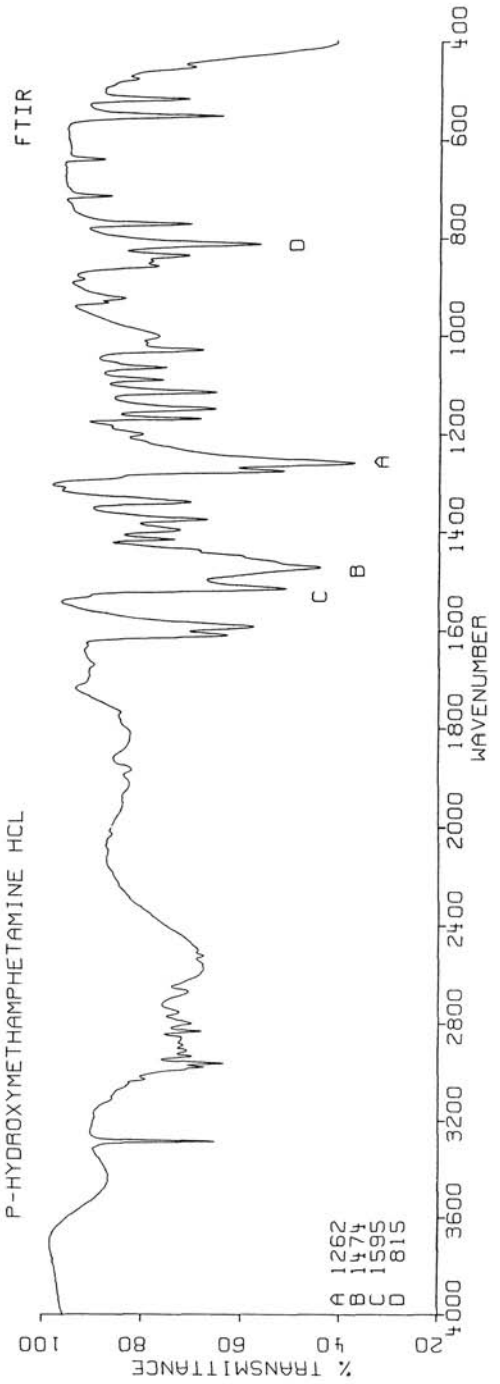




NO USEFUL MASS SPECTRUM WAS OBTAINED




P-HYDROXYMETHAMPHETAMINE CDCL3/CD3OD
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
PEAK LISTING
HT PPM
1 39 1.06
2 38 1.08
3 99 2.35
4 19 2.60
5 57 4.17
6 34 6.75
7 36 6.78
8 35 6.99
9 26 7.02
10 9 8 7 6 5 4 3 2 1 0 PPM

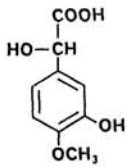

P-HYDROXYMETHAMPHETAMINE HCL
FTIR
A 1262
B 1474
C 1595
D 815
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

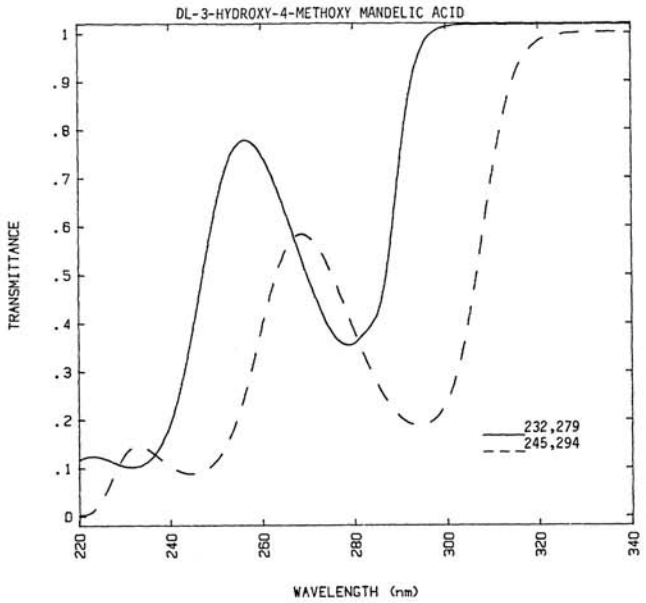
HYDROXYMETHOXYMANDELIC ACID

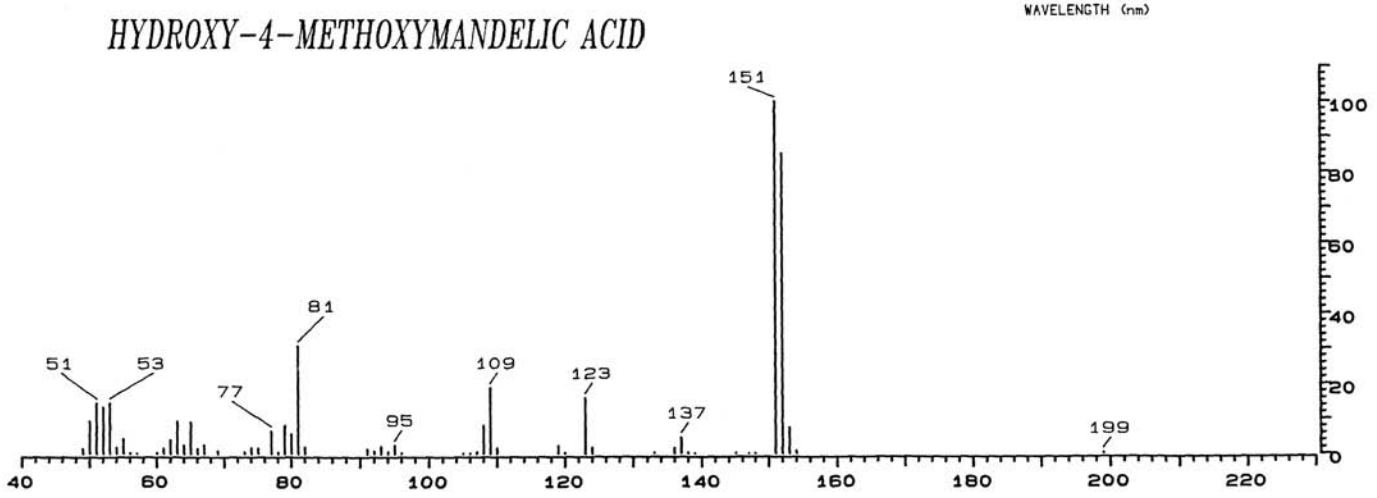
$C_9H_{10}O_5$

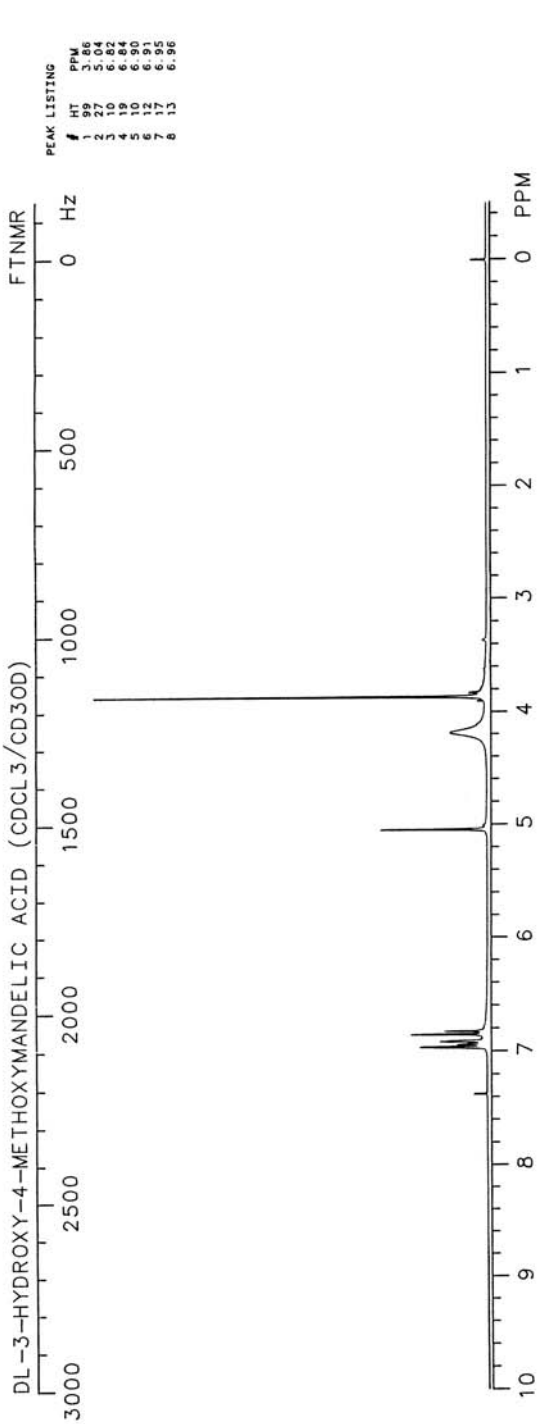
Molecular weight: 198.17 (198.05)
Synonyms: α,3-Dihydroxy-4-methoxybenzeneacetic acid; 3-hydroxy-4-methoxymandelic acid
Trade names:

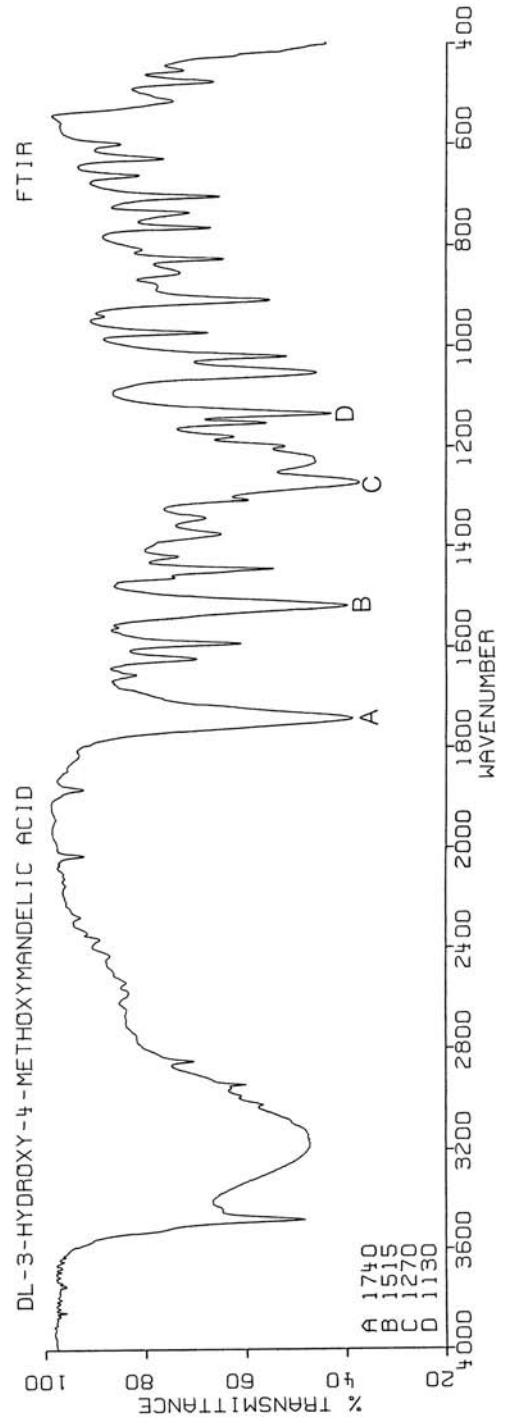
Use: Metabolite
HPLC: Si-10; 20A:80B; 4.3
GC: 1518; 200°C








DL-3-HYDROXY-4-METHOXYMANDELIC ACID (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 99 3.86
2 27 5.04
3 10 6.82
4 19 6.84
5 10 6.90
6 12 6.91
7 17 6.95
8 13 6.96
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


DL-3-HYDROXY-4-METHOXYMANDELIC ACID
FTIR
A 1740
B 1515
C 1270
D 1130
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

DL–4–HYDROXY–3–METHOXY–PHENYLGLYCOL PIPERAZINE

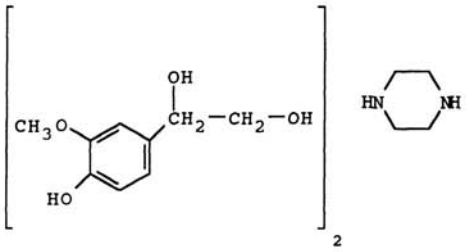
$(C_9H_{12}O_4)_2 * C_4H_{10}N_2$

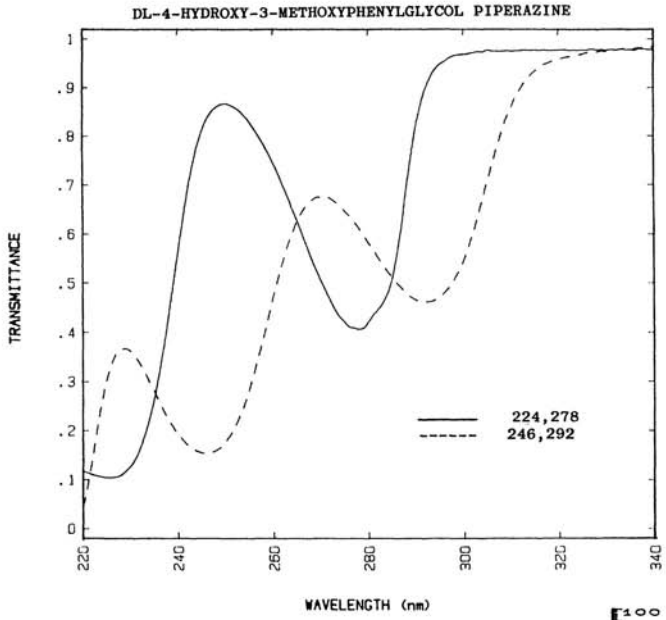
Molecular weight: 454.52 (454.23)

Synonyms:

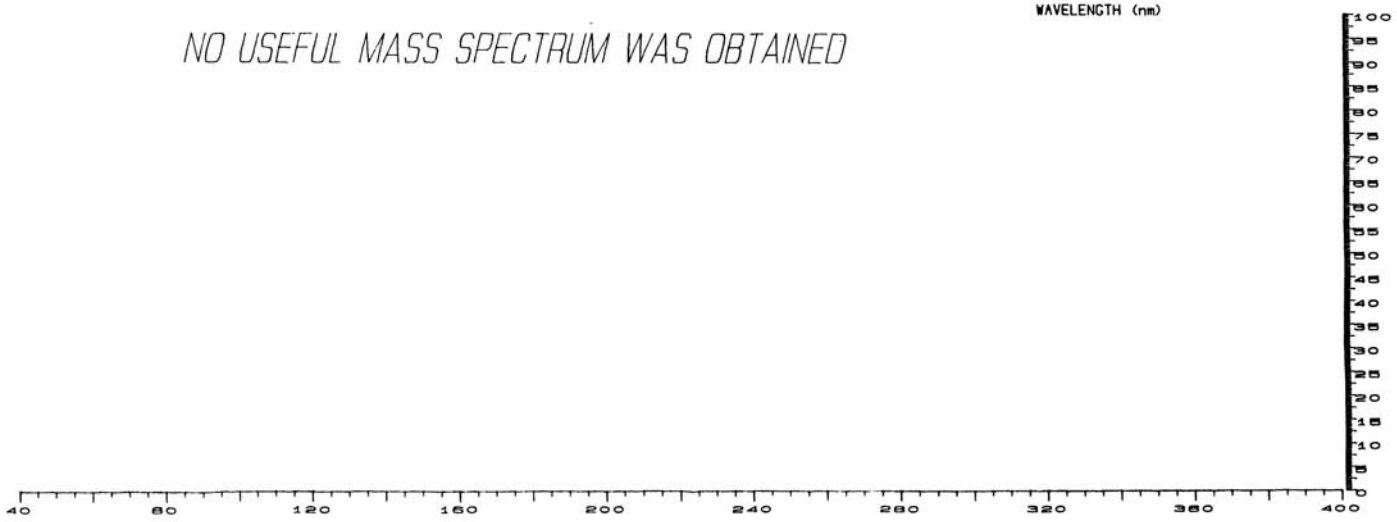
Trade names:

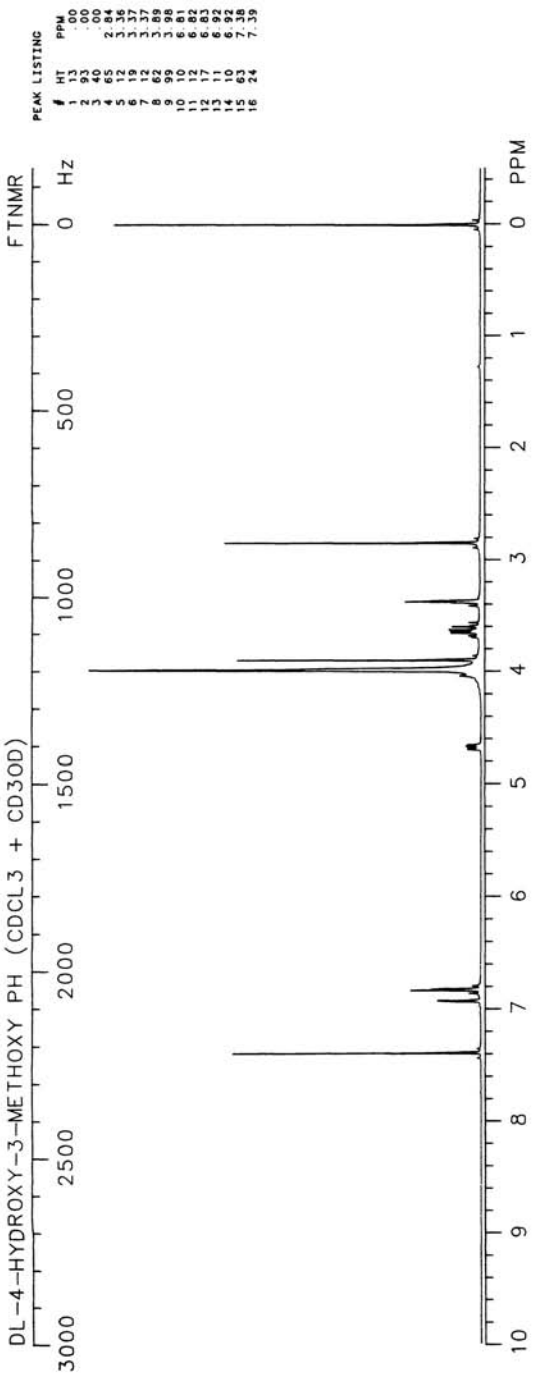
Use: Metabolite of Norepinephrine
HPLC: 90A:10C; 1.2
GC:

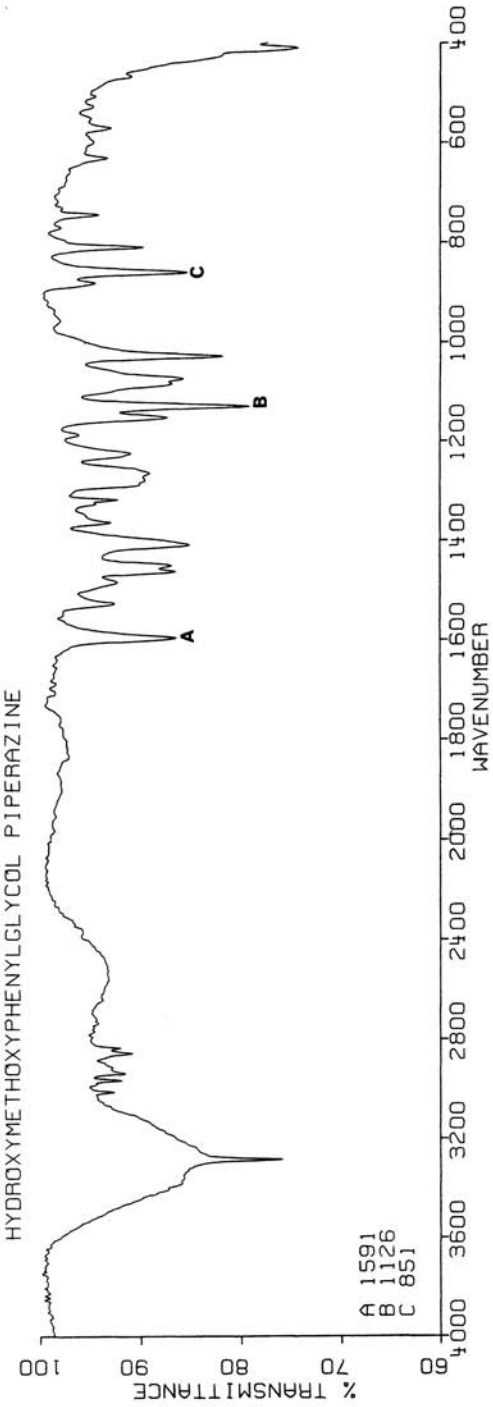




NO USEFUL MASS SPECTRUM WAS OBTAINED




DL-4-HYDROXY-3-METHOXY PH (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 13 7.00
2 93 7.00
3 40 7.00
4 65 2.84
5 12 3.36
6 19 3.37
7 12 3.37
8 62 3.89
9 99 3.98
10 10 6.81
11 12 6.82
12 17 6.83
13 11 6.92
14 10 6.92
15 63 7.38
16 24 7.39
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDROXYMETHOXYPHENYLGLYCOL PIPERAZINE
A 1591
B 1126
C 851
A
B
C
100 90 80 70 60
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

N–HYDROXY–METHYLENEDIOXYAMPHETAMINE

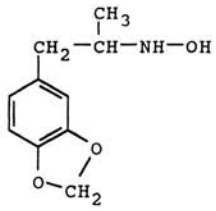
$C_{10}H_{12}NO_3$

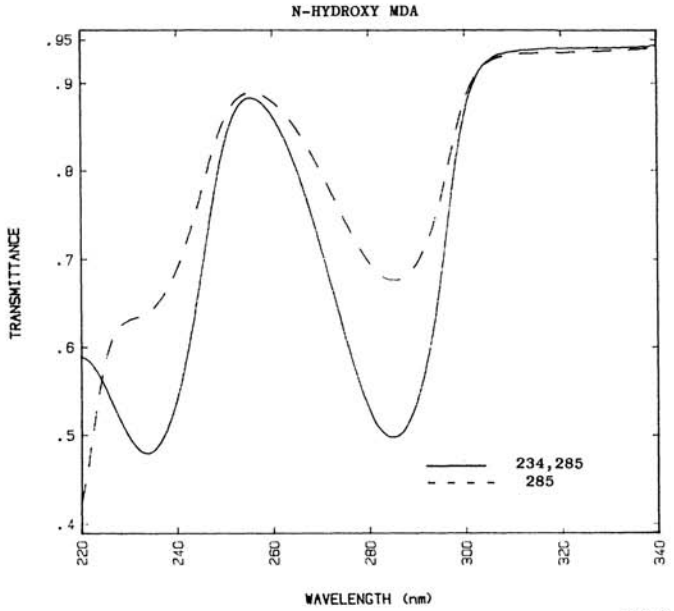
Molecular weight: 194.22 (194.08)

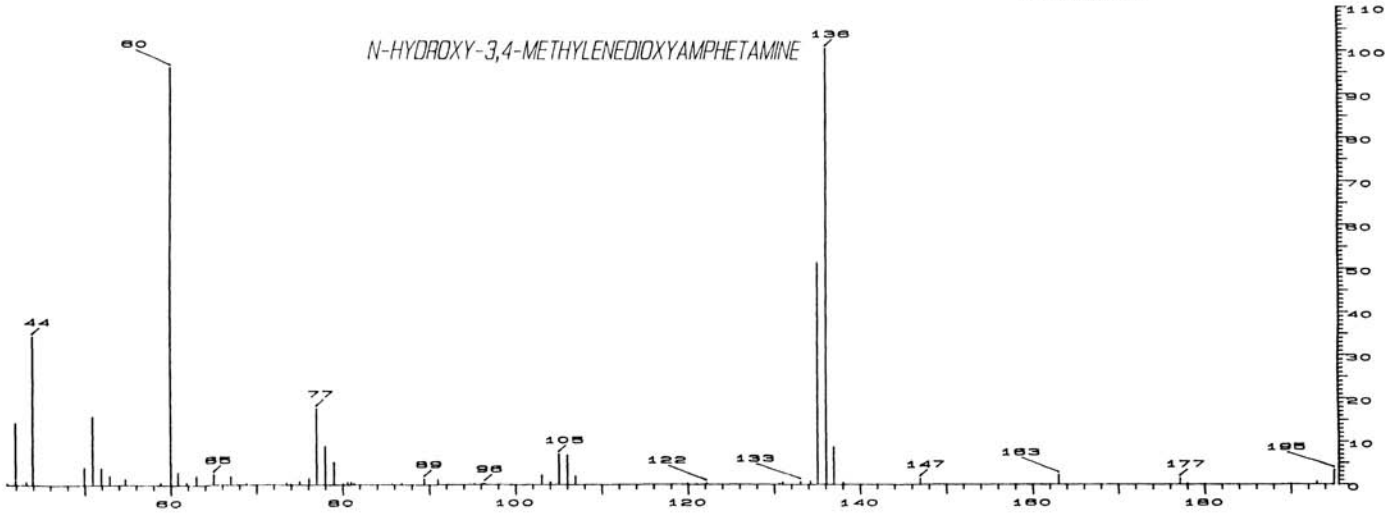
Synonyms: N-Hydroxy-5-(α-methyl)ethanamine-1,3-benzodioxole

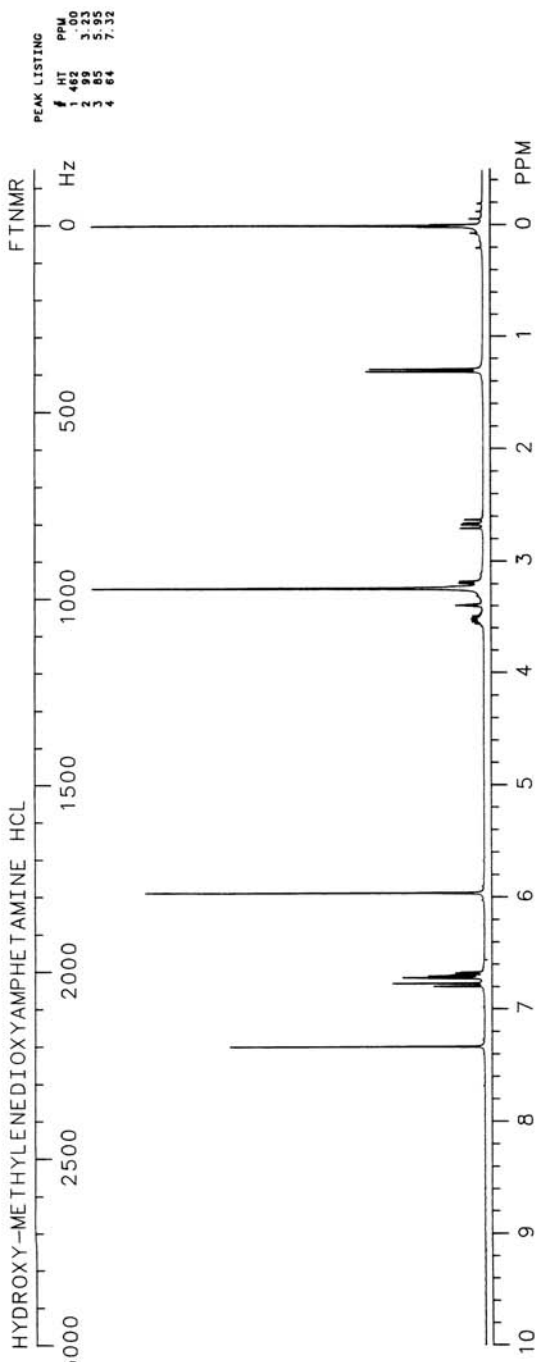
Trade names:

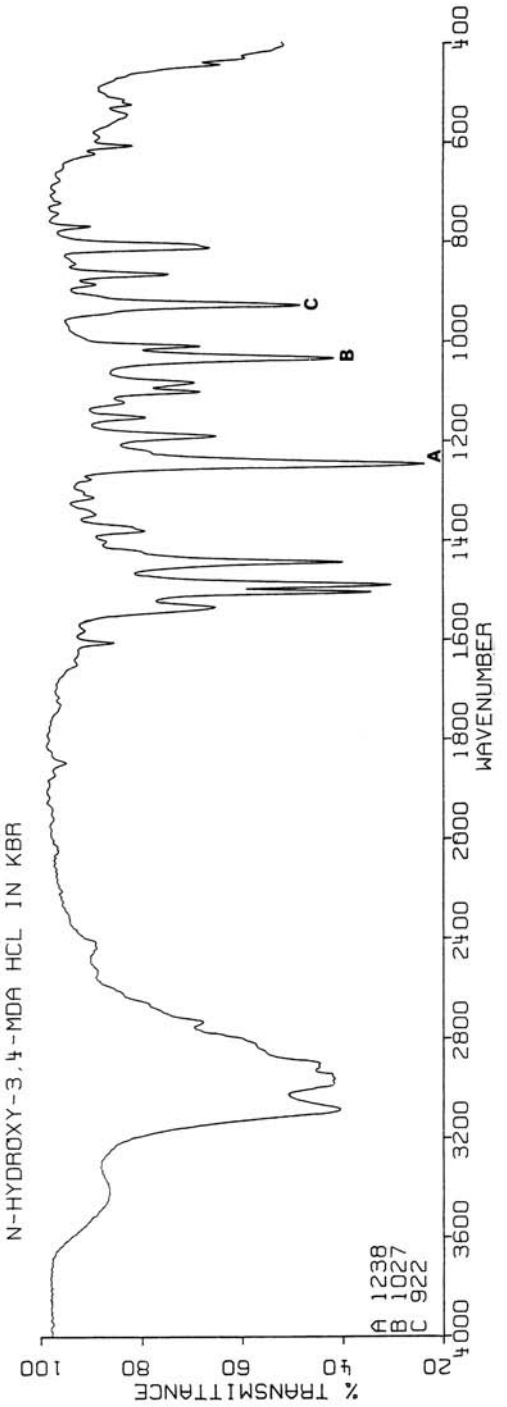
Use: Hallucinogen
HPLC: 50:50; 1.4
GC: 1659; 200°








HYDROXY-METHYLENEDIOXYAMPHETAMINE HCL
FTNMR
PEAK LISTING
HT PPM
1 462 .00
2 99 3.23
3 85 5.95
4 84 7.32
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


N-HYDROXY-3,4-MDA HCL IN KBR
A 1238
B 1027
C 922
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

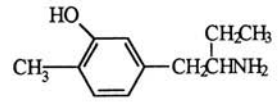
HYDROXYMETHYLETHYLPHENETHYLAMINE

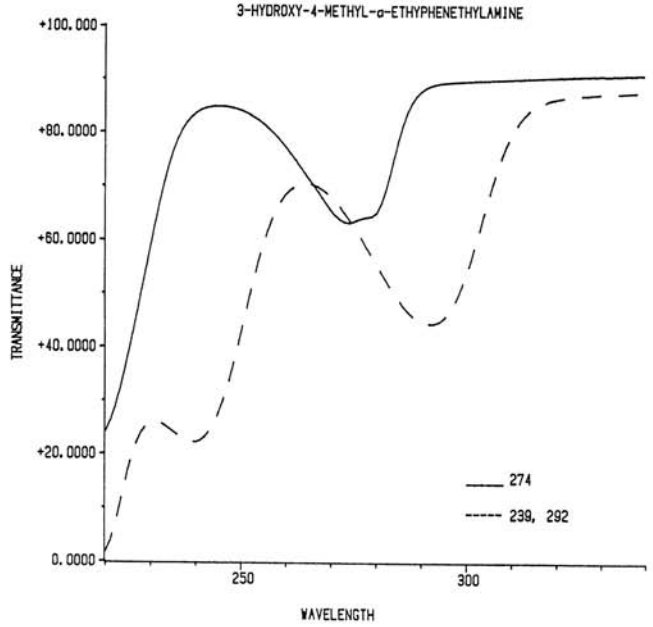
$C_{11}H_{17}NO$

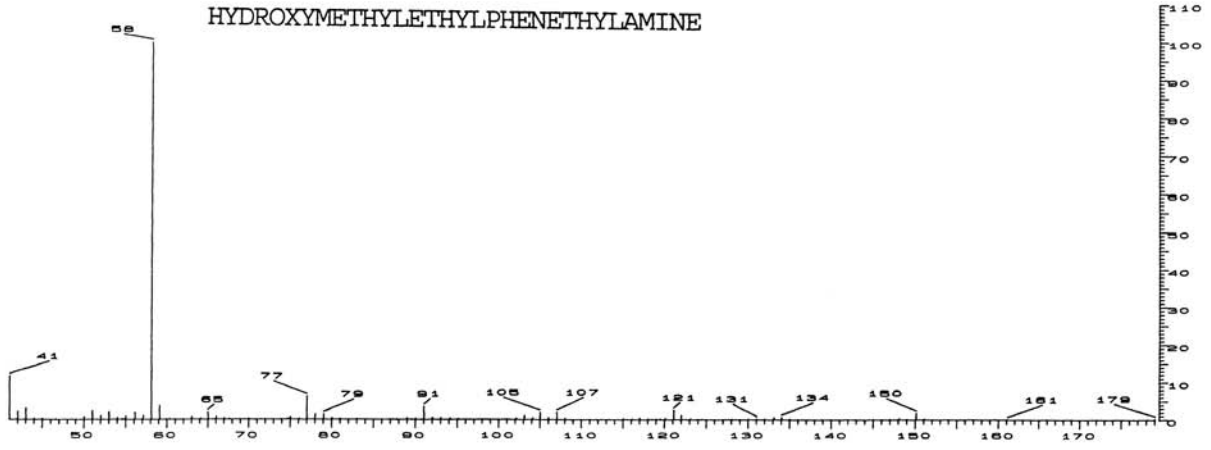
Molecular Weight: 179.26 (179.13)

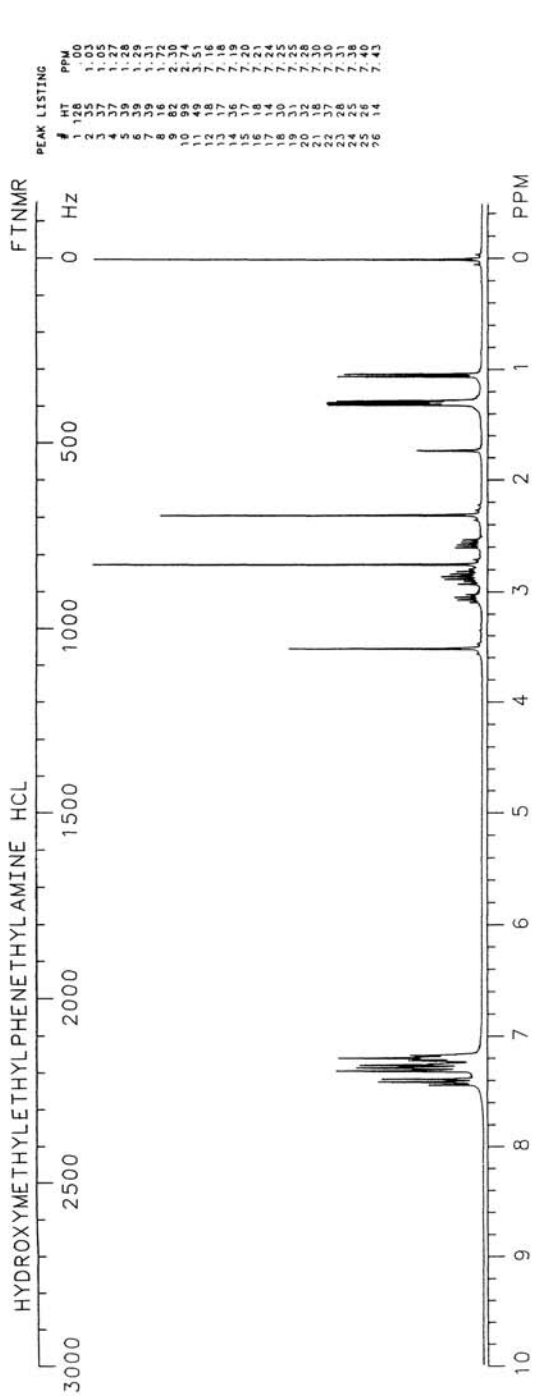
Synonyms: 4-Methyl-α-ethyl-m-tyramine; 3-hydroxy-4-methyl-α-ethylphenethylamine; α-ethyl-3-hydroxy-4-methylphenethylamine
Trade Names:
Use:

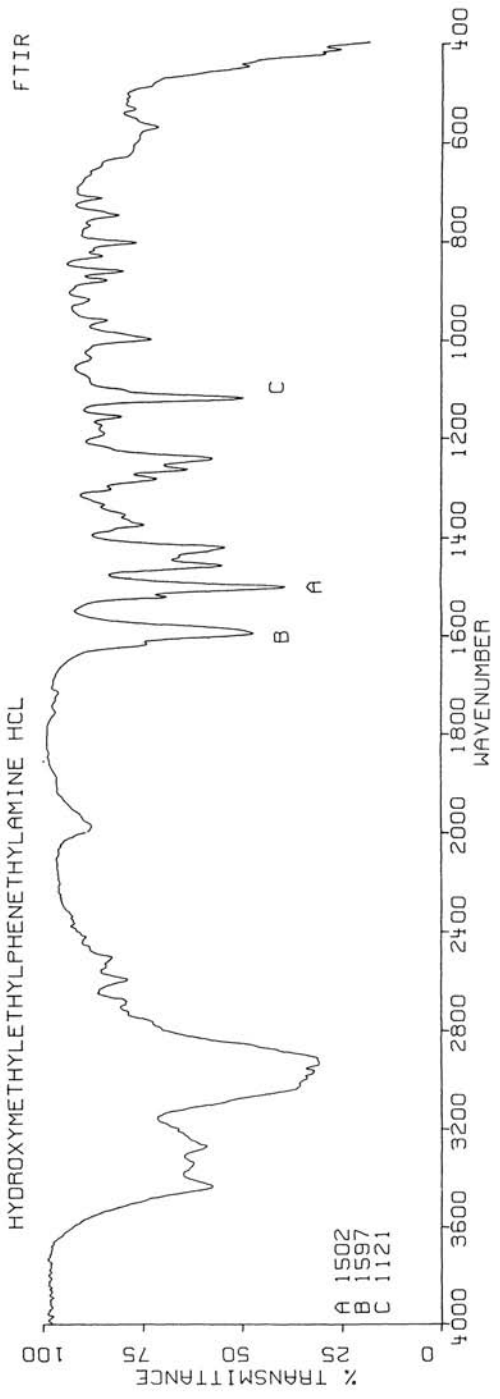
HPLC: Ethanol: 2.0
GC: 1600; 200°








HYDROXYMETHYLETHYLPHENETHYLAMINE HCL
FTNMR
PEAK LISTING
HT PPM
1 126 1.00
2 35 1.03
3 37 1.05
4 37 1.27
5 39 1.28
6 39 1.29
7 39 1.71
8 16 1.72
9 82 2.30
10 99 2.74
11 49 3.51
12 18 7.16
13 35 7.18
14 17 7.19
15 17 7.20
16 18 7.21
17 14 7.24
18 30 7.25
19 31 7.25
20 12 7.28
21 37 7.30
22 37 7.31
23 28 7.38
24 25 7.40
25 26 7.43
96 14
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDROXYMETHYLETHYLPHENETHYLAMINE HCL
FTIR
A 1502
B 1597
C 1121
A
B
C
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

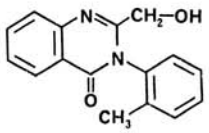
HYDROXYMETHYLMETHAQUALONE

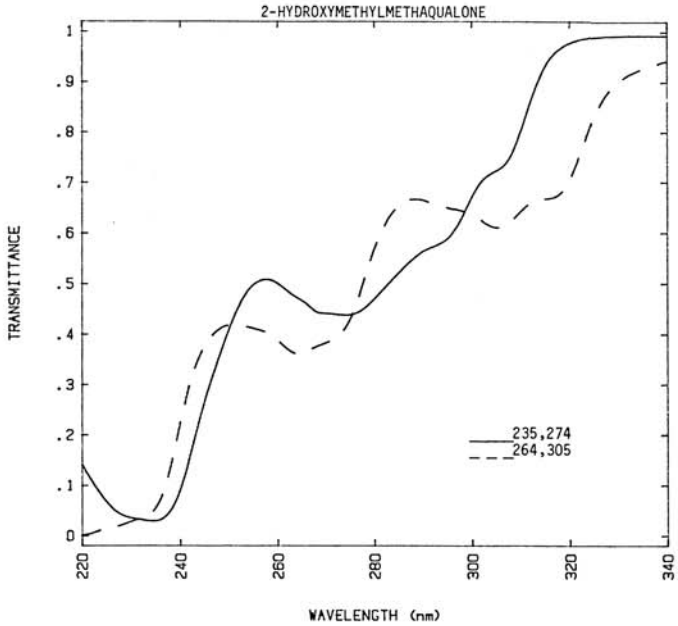
$C_{16}H_{14}N_2O_2$

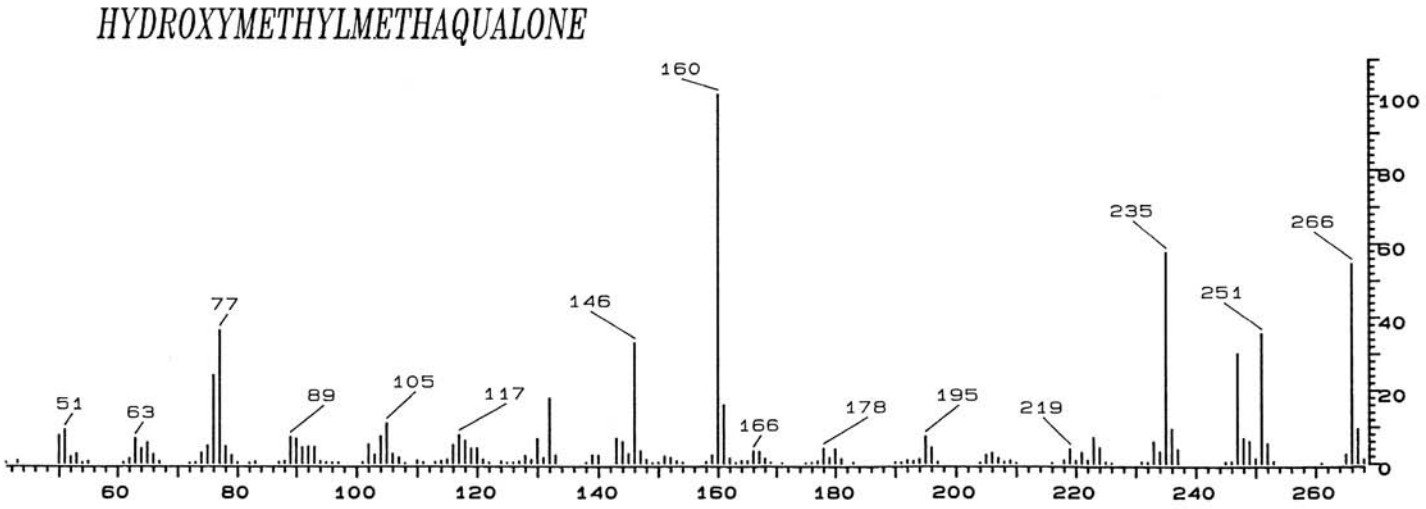
Molecular weight: 266.29 (266.11)
Synonyms: 2-Hydroxymethyl-2-methyl-3-O-tolyl-4(3H)-quinazolinone

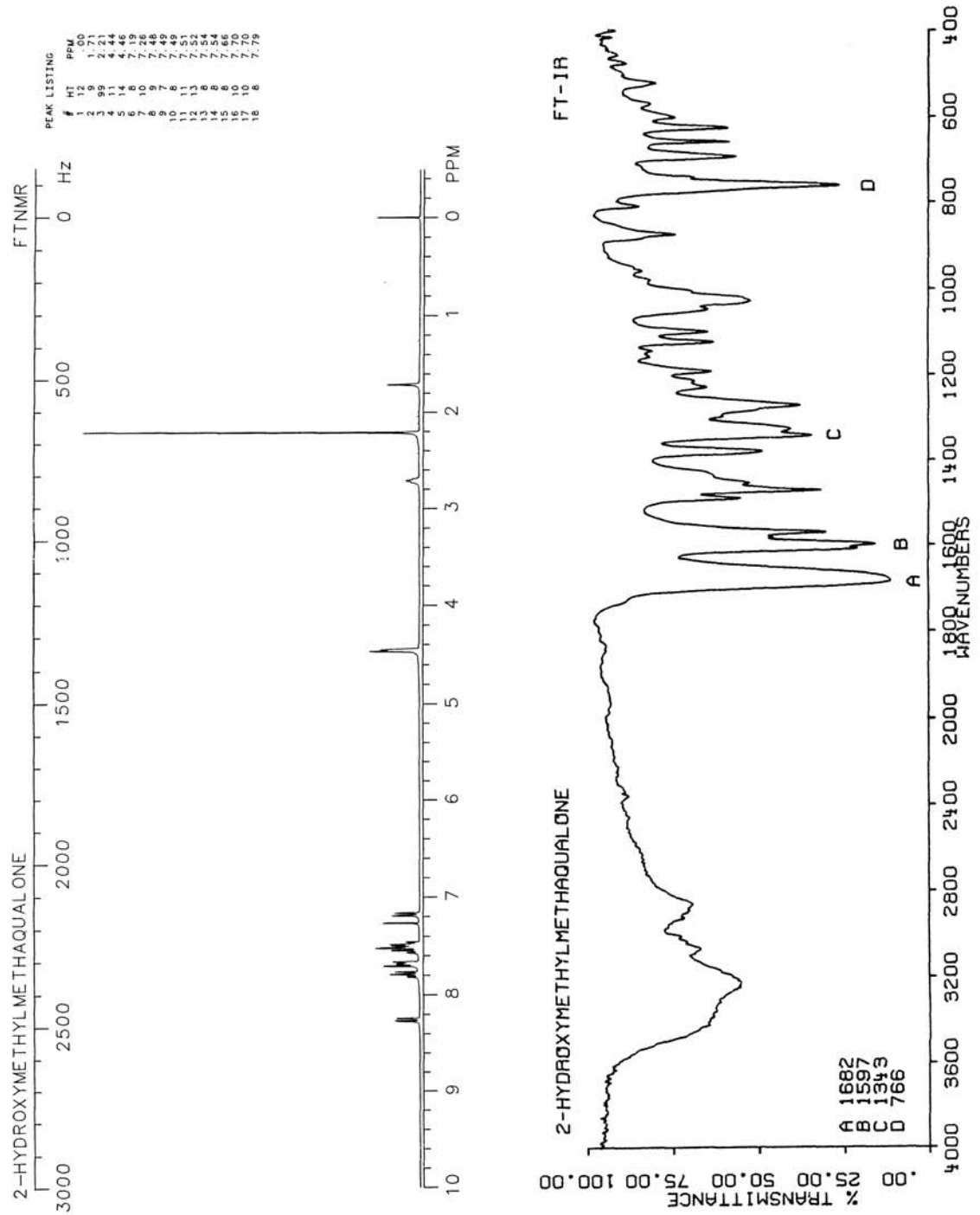
Trade names:

Use: Metabolite
HPLC: Si-10; 2A:98B; 3.1
GC: 2429; 250°C








2-HYDROXYMETHYLMETHAQUALONE
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 9 1.71
3 99 2.21
4 11 4.44
5 14 4.46
6 8 7.19
7 10 7.26
8 9 7.48
9 7 7.49
10 8 7.51
11 11 7.52
12 13 7.54
13 8 7.54
14 8 7.66
15 8 7.76
16 10 7.70
17 10 7.79
18 8
2-HYDROXYMETHYLMETHAQUALONE
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 1682
B 1597
C 1343
D 766
A
B
C
D

HYDROXY–17–METHYLTESTOSTERONE

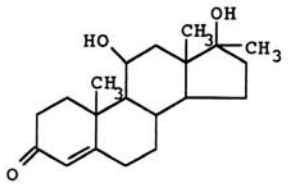
$C_{20}H_{30}O_3$

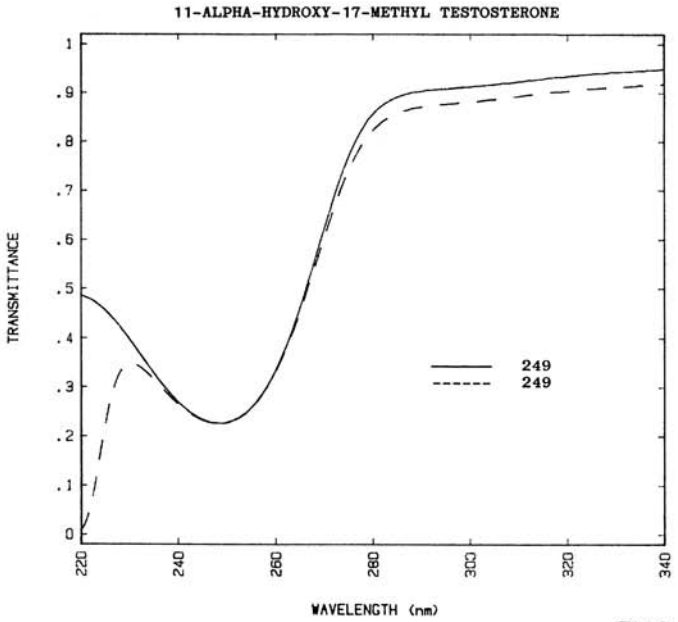
Molecular weight: 318.44 (318.22)

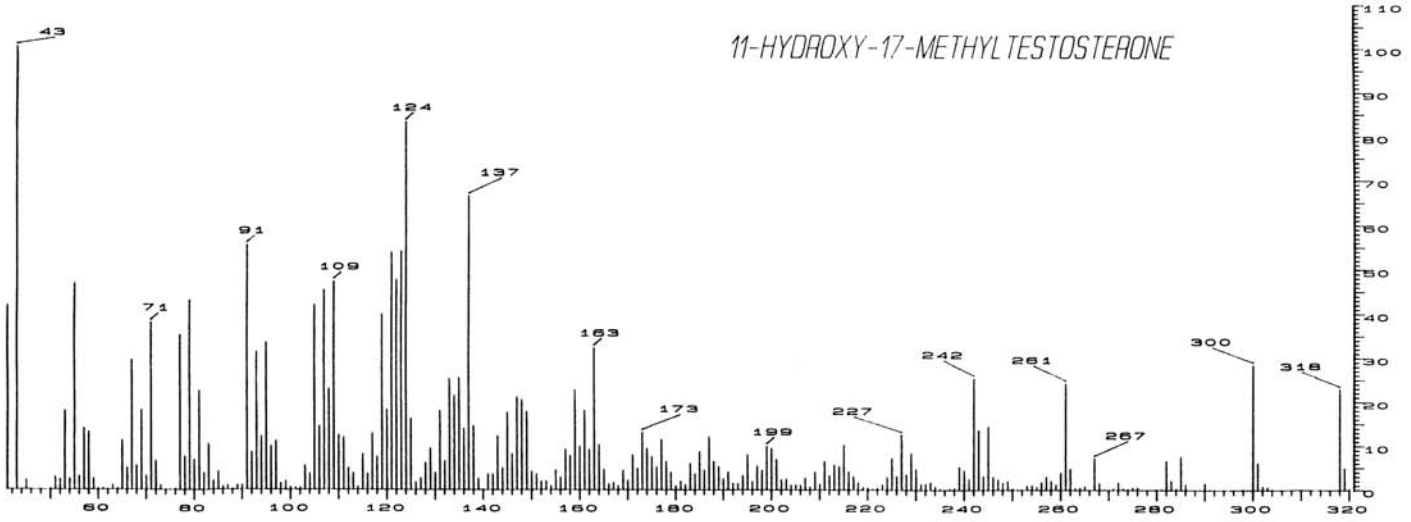
Synonyms: 11,17-Dihydroxy-17-methylandrost-4-en-3-one

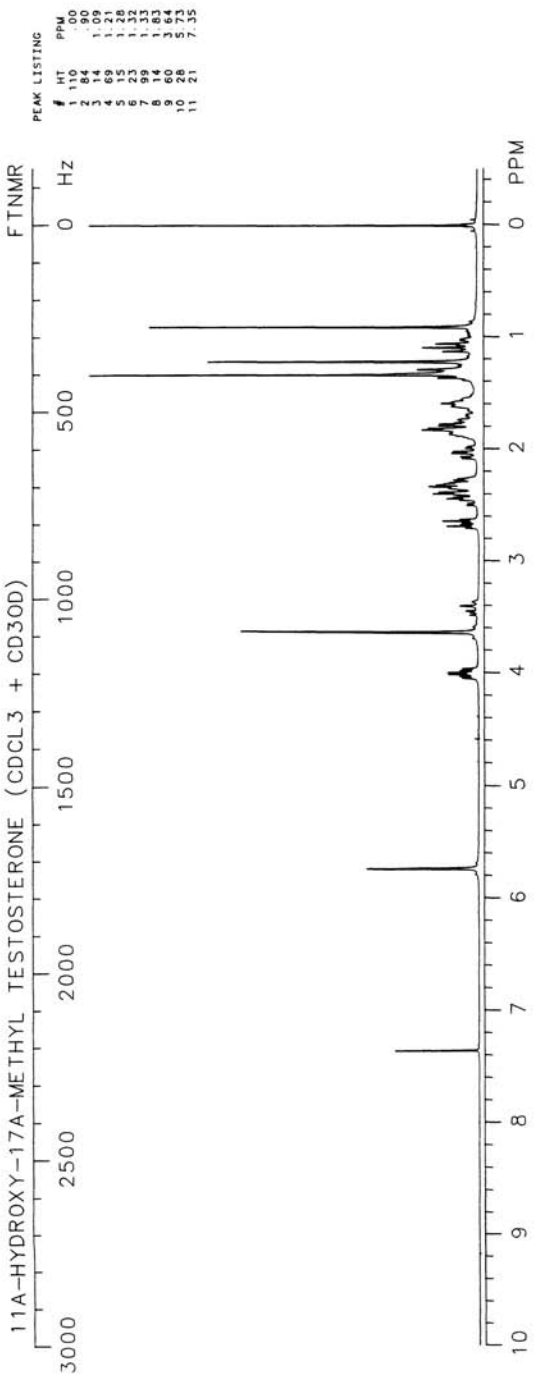
Trade names:

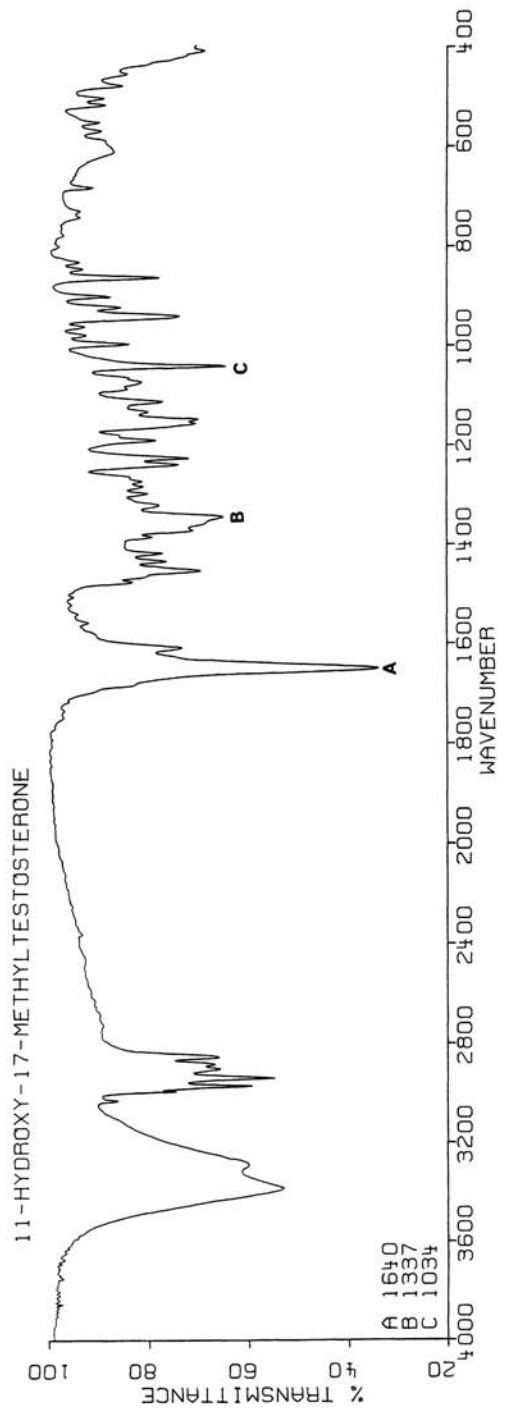
Use: Anabolic
HPLC: 70A:30B; 2.3
GC: 2947; 280°








11A-HYDROXY-17A-METHYL TESTOSTERONE (CDCL3 + CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 110 .00
2 84 .90
3 14 1.09
4 69 1.21
5 15 1.28
6 23 1.33
7 99 1.61
8 14 3.64
9 60 5.73
10 28 7.35
11 21
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


11-HYDROXY-17-METHYLTESTOSTERONE
A 1640
B 1337
C 1034
A
B
C
100 80 60 40 20
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

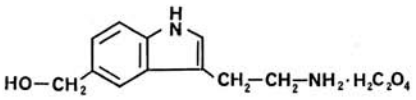
HYDROXYMETHYLTRYPTAMINE

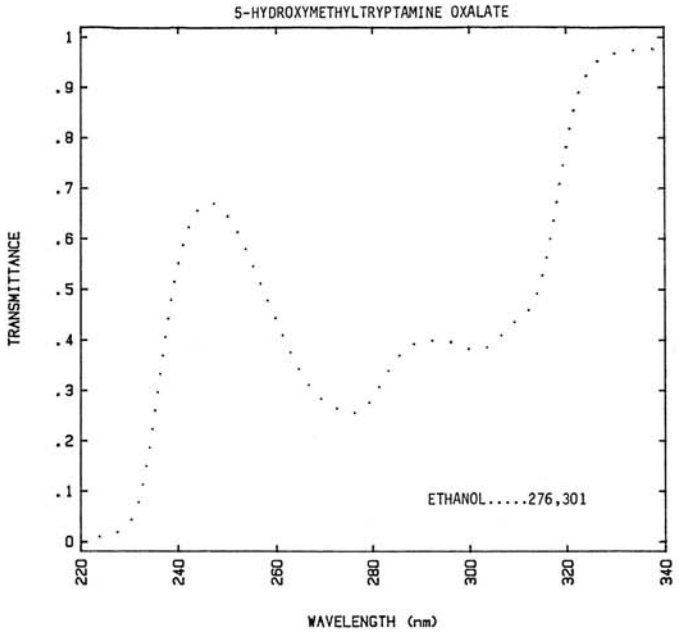
$C_{11}H_{14}N_2O$

Molecular weight: 190.25 (190.11)
Synonyms: 5-Hydroxymethyl-1H-indol-3-ethanamine

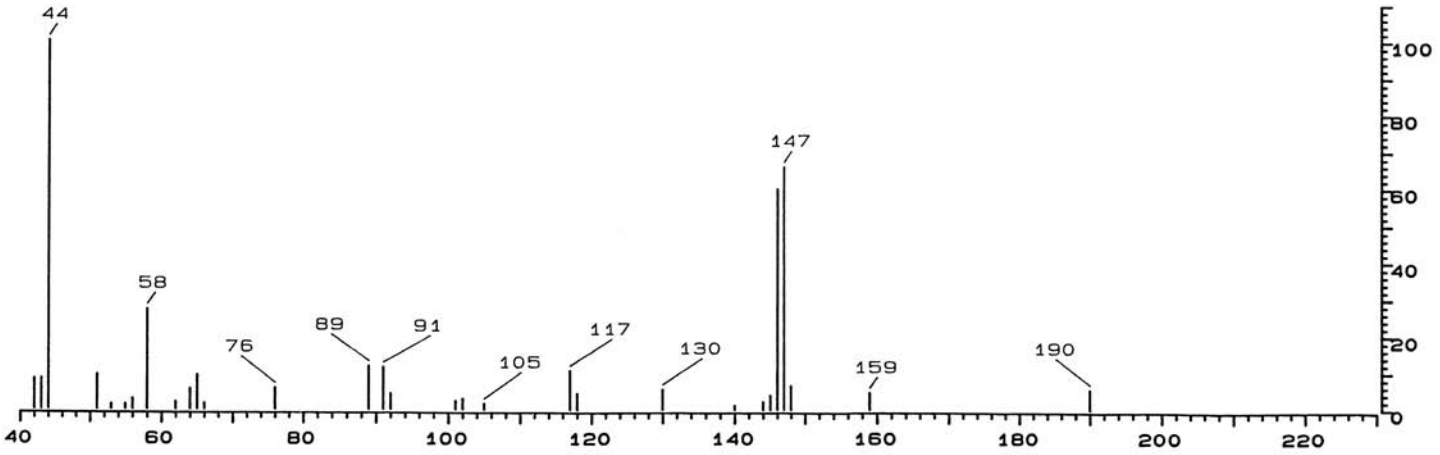
Trade names:

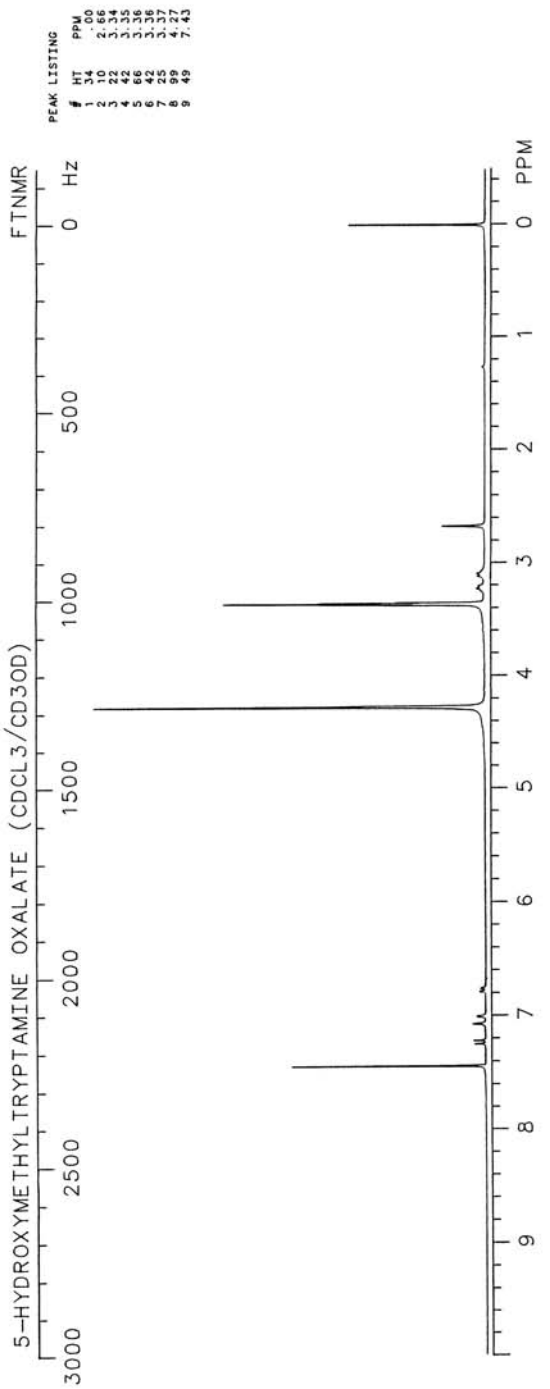
Use:
HPLC:
GC: 2170; 250°C

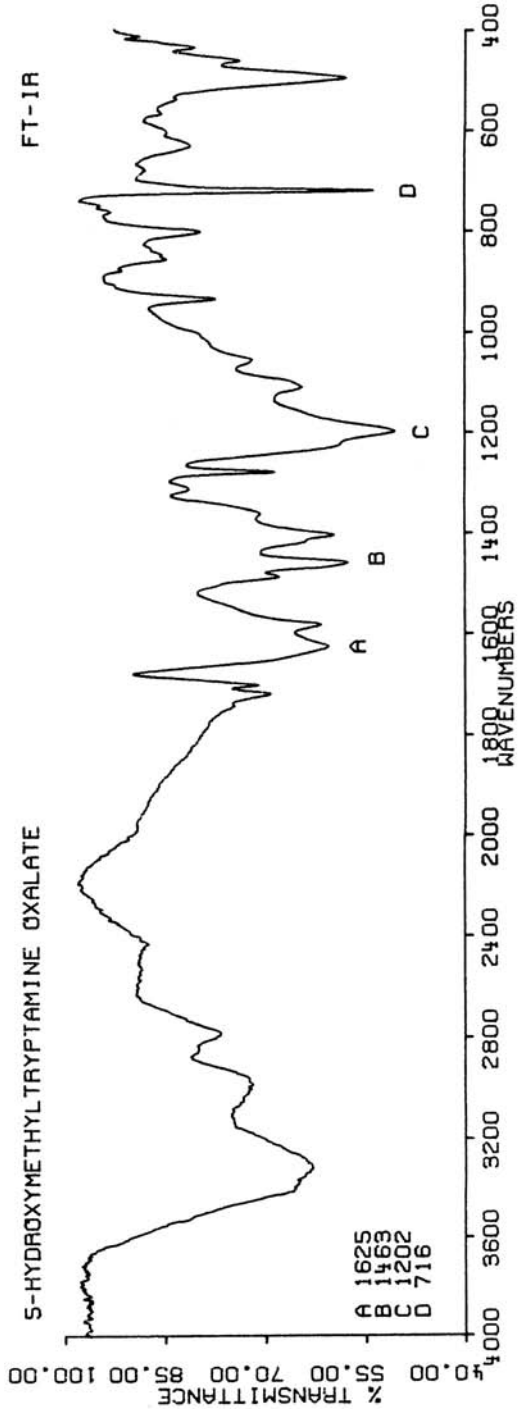




HYDROXYMETHYLTRYPTAMINE OXALATE




5-HYDROXYMETHYLTRYPTAMINE OXALATE (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 34 .00
2 10 2.66
3 22 3.34
4 42 3.35
5 66 3.36
6 42 3.36
7 25 3.37
8 99 4.27
9 49 7.43


5-HYDROXYMETHYLTRYPTAMINE OXALATE
FT-IR
% 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
A
B
C
D
A 1625
B 1463
C 1202
D 716

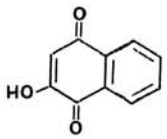
HYDROXY-1,4-NAPHTHOQUINONE

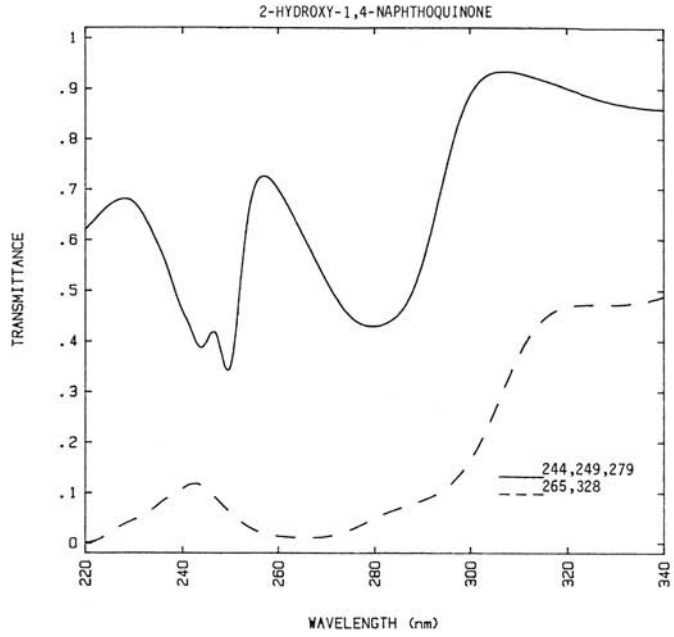
$C_{10}H_6O_3$

Molecular weight: 174.15 (174.03)
Synonyms: 2-Hydroxy-1,4-naphthalenedone; Lawsone

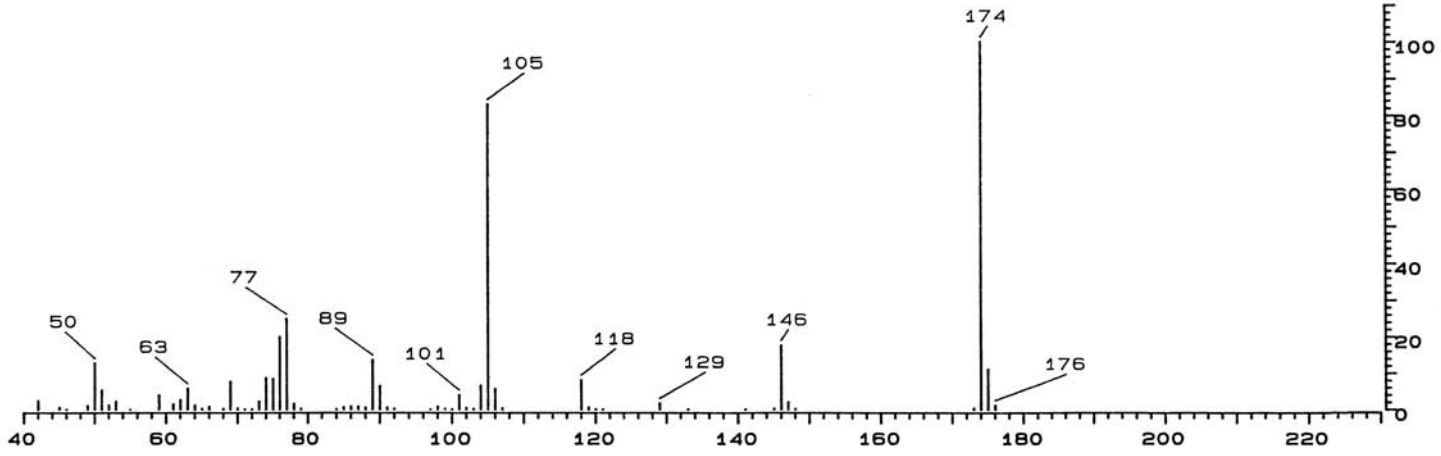
Trade names:

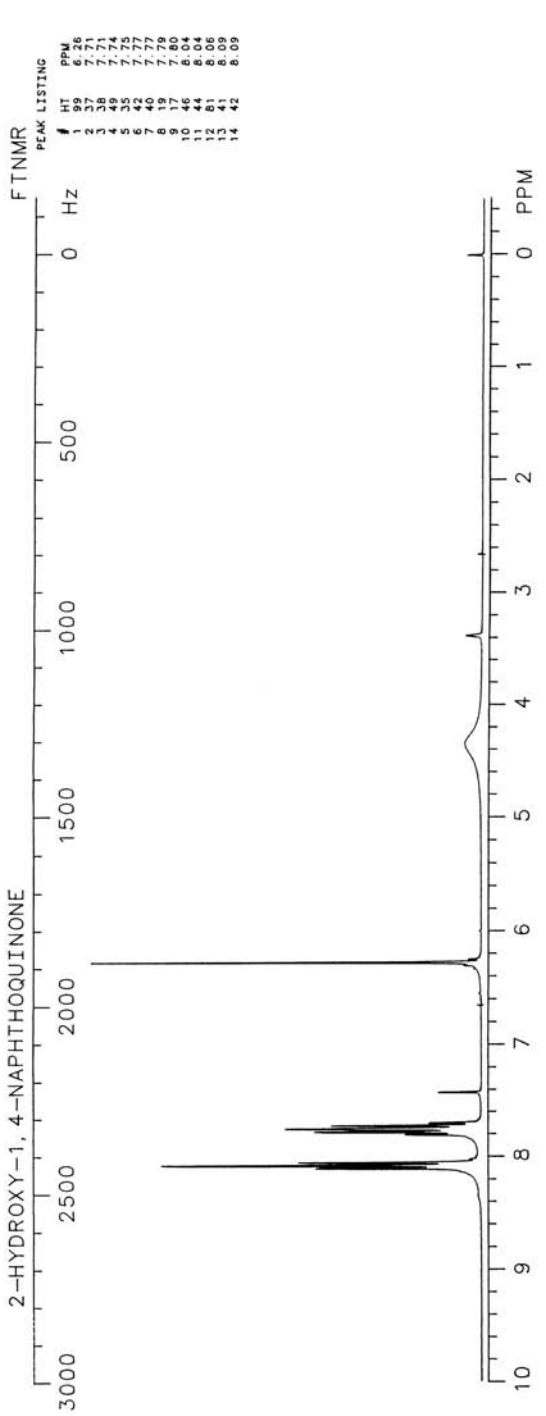
Use: Sunscreen agent
HPLC: Si-10; 10A:90B; 8.8
GC: 1526; 200°C

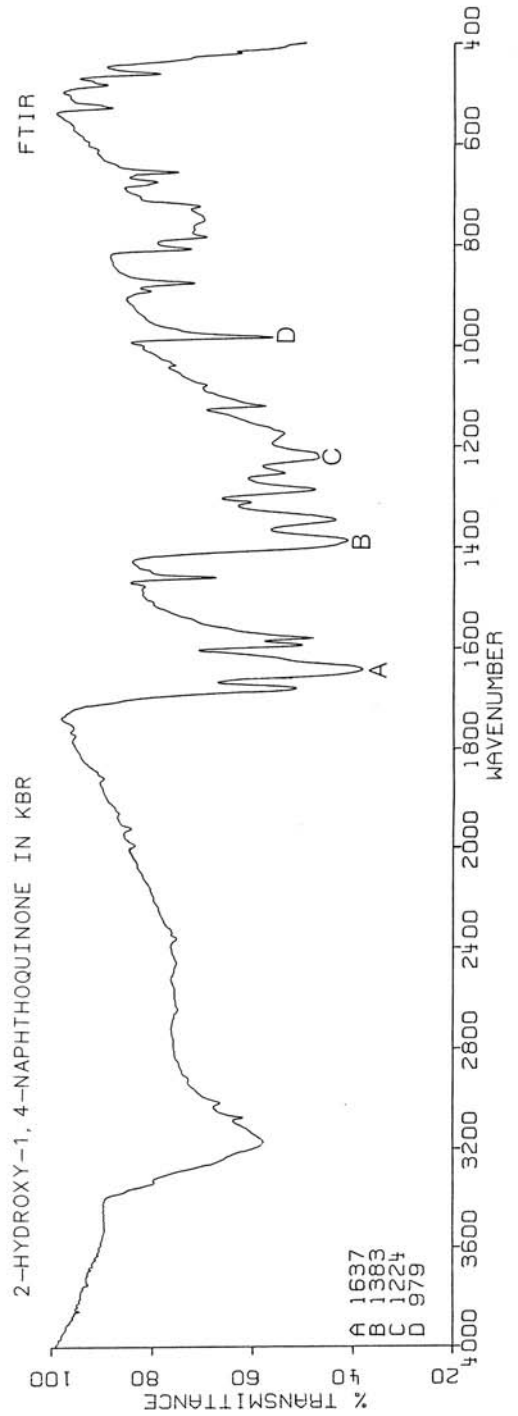




HYDROXYNAPHTHOQUINONE




FTNMR
2-HYDROXY-1, 4-NAPHTHOQUINONE
PEAK LISTING
HT PPM
1 99 6.26
2 37 7.71
3 38 7.71
4 49 7.74
5 35 7.75
6 42 7.77
7 40 7.77
8 19 7.79
9 17 8.00
10 46 8.04
11 44 8.04
12 81 8.06
13 41 8.09
14 42 8.09
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
2-HYDROXY-1, 4-NAPHTHOQUINONE IN KBR
A 1637
B 1383
C 1224
D 979
A
B
C
D
100 80 60 40 20 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

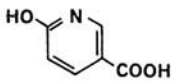
HYDROXYNICOTINIC ACID

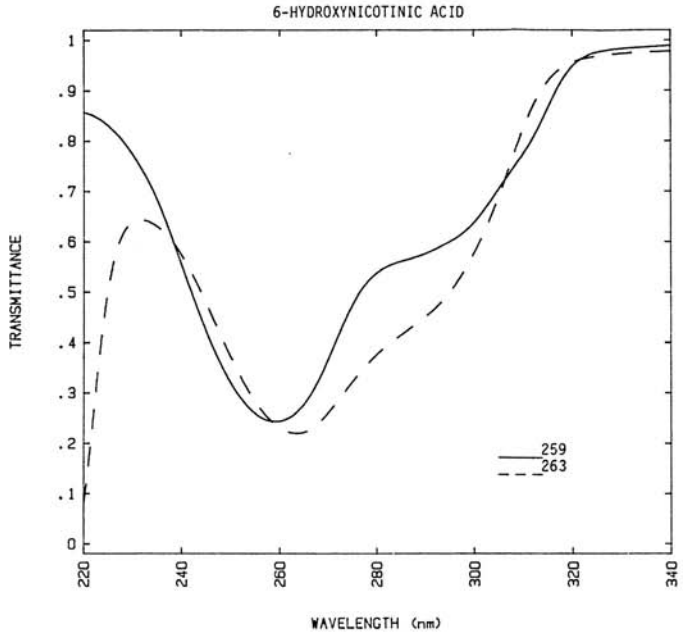
$C_6H_5NO_3$

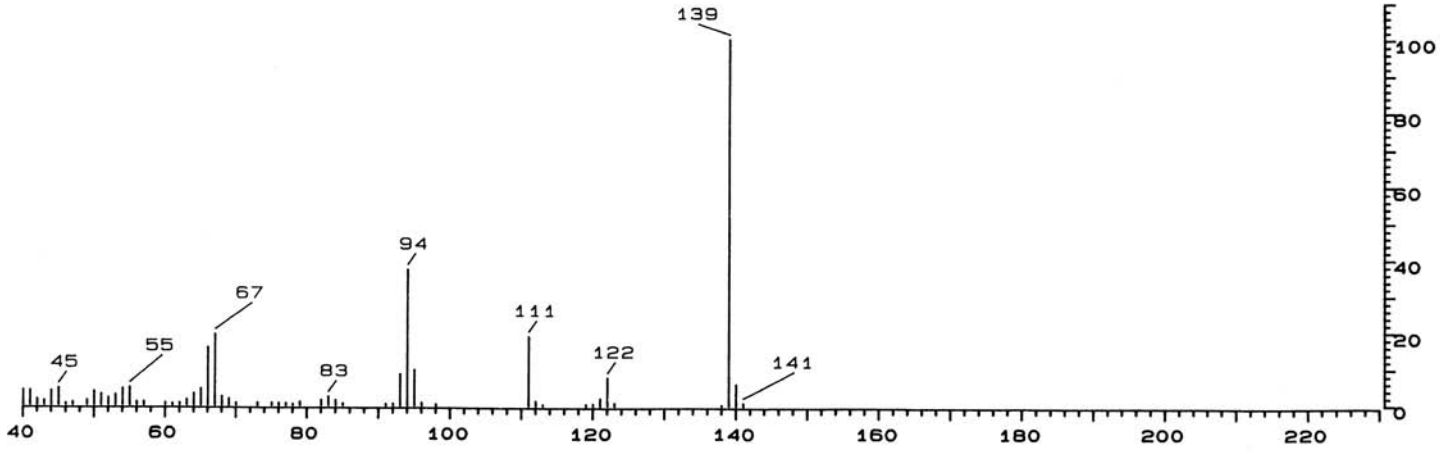
Molecular weight: 139.09 (139.03)
Synonyms: 6-Hydroxy-3-pyridinecarboxylic acid

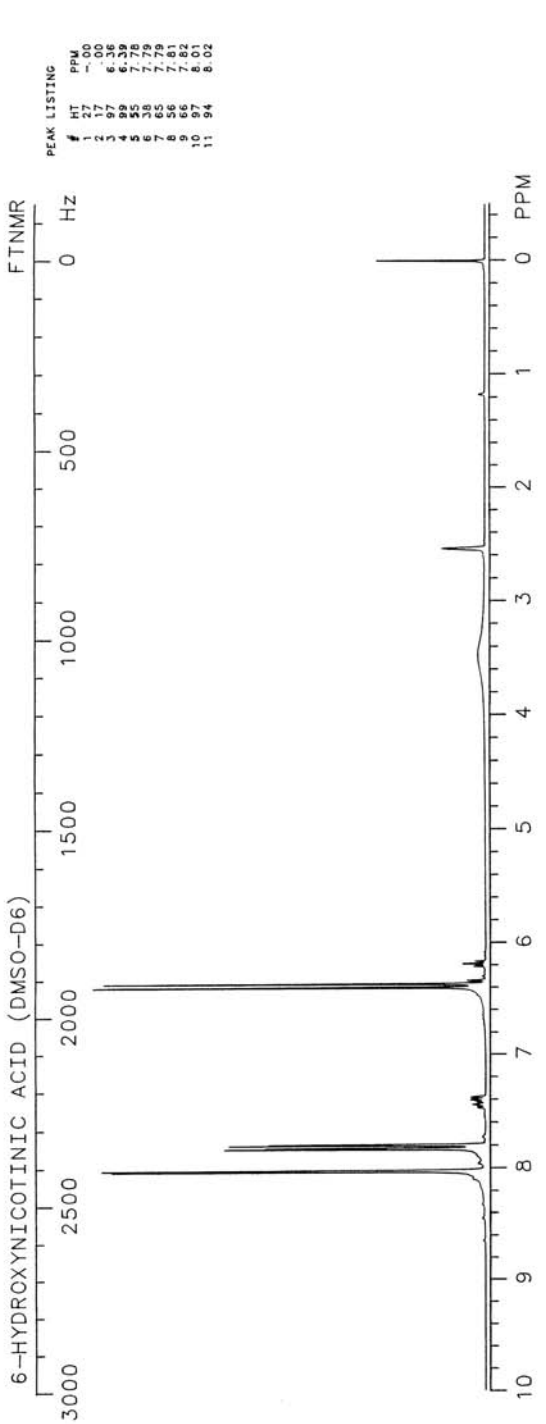
Trade names:

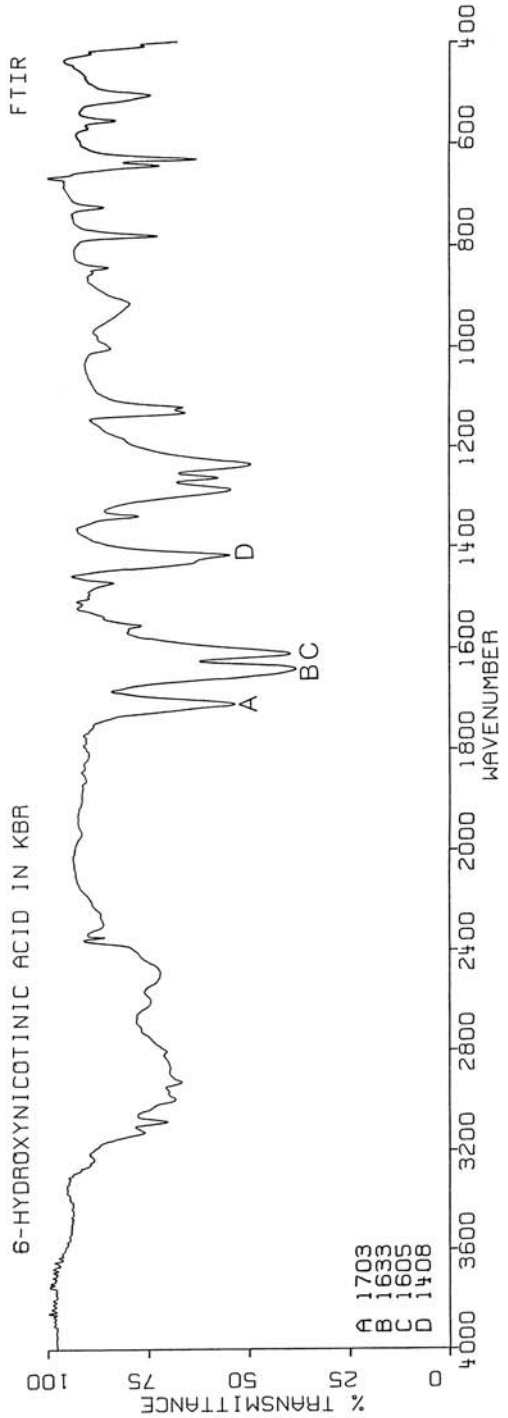
Use: Metabolite
HPLC: Si-10; 20A:80B; 5.1
GC:








6-HYDROXYNICOTINIC 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 27 -.00
2 17 -.00
3 97 6.36
4 99 6.39
5 55 7.78
6 38 7.79
7 65 7.79
8 56 7.81
9 66 7.82
10 97 8.01
11 94 8.02


6-HYDROXYNICOTINIC ACID IN KBR
FTIR
A 1703
B 1633
C 1605
D 1408
A
BC
D
100 75 50 25 0
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

P–HYDROXYNOREPHEDRINE

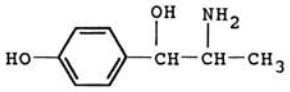
$C_9H_{13}NO_2$

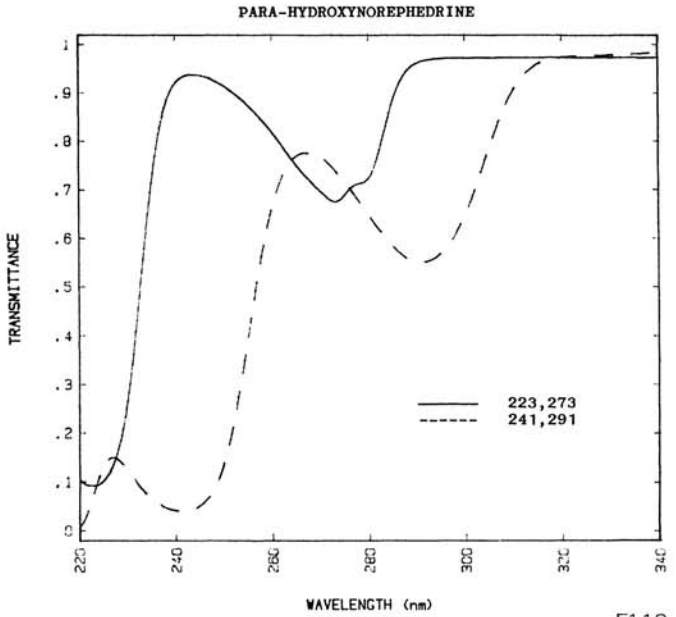
Molecular weight: 167.20 (167.10)

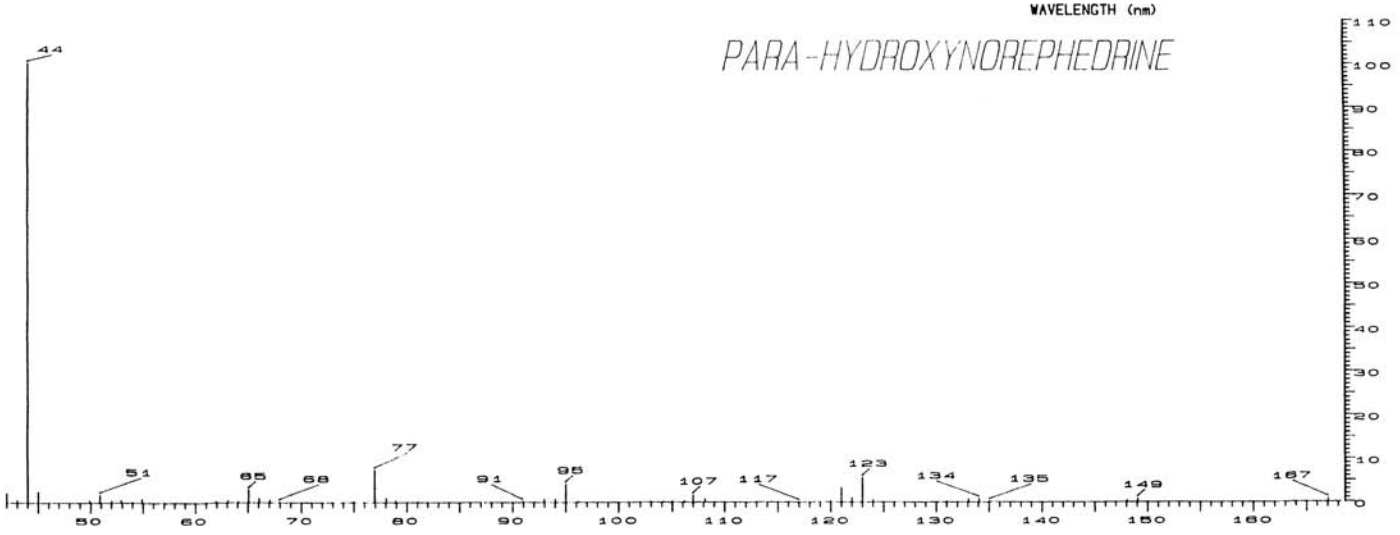
Synonyms: α-(1-Aminoethyl)-4-hydroxybenzenemethanol

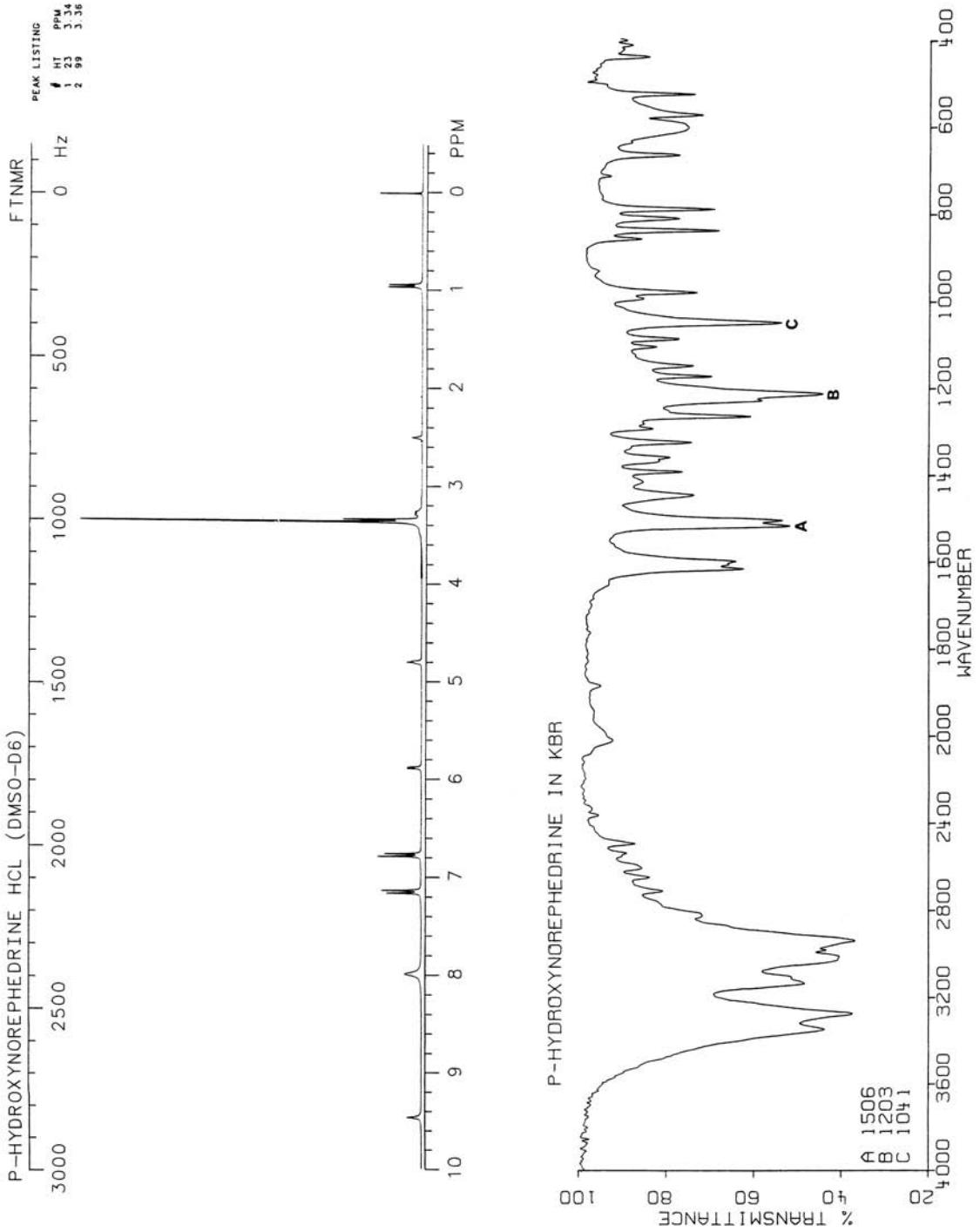
Trade names:

Use: Metabolite of Amphetamine and Methamphetamine
HPLC: 90A:10B; 2.1
GC: 1632; 200







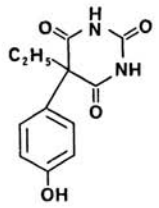

P-HYDROXYNOREPHEDRINE HCL (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 23 3.34
2 99 3.36
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
P-HYDROXYNOREPHEDRINE IN KBR
A 1506
B 1203
C 1041
A
B
C
100 80 60 40 20
% TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

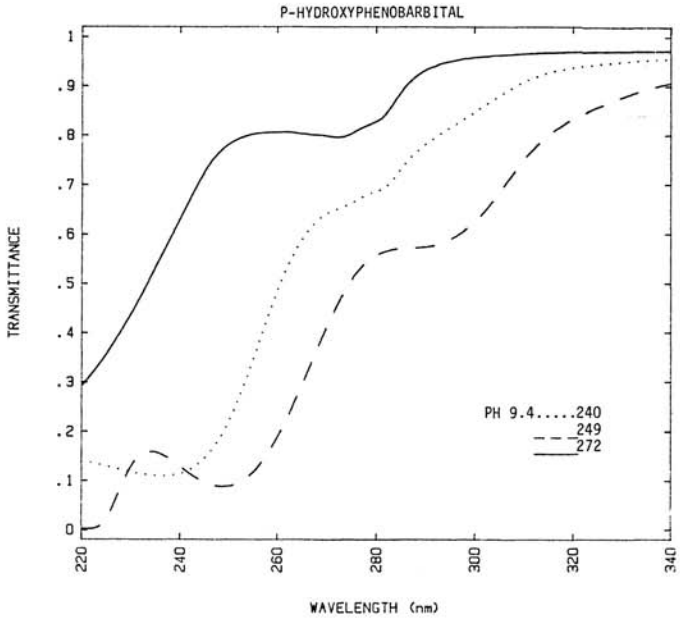
HYDROXYPHENOBARBITAL

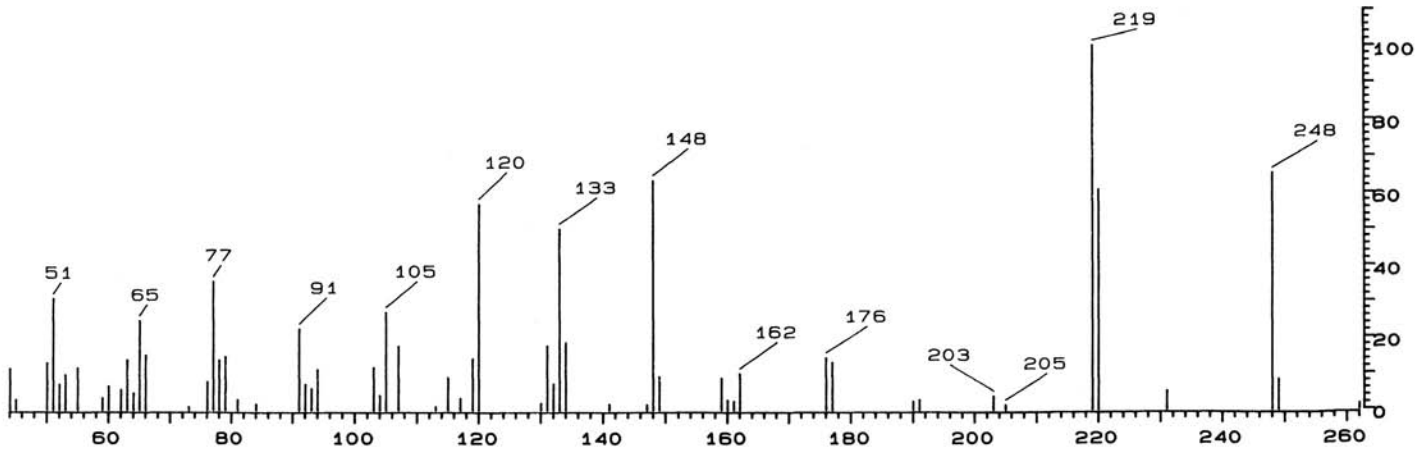
$C_{12}H_{12}N_2O_4$

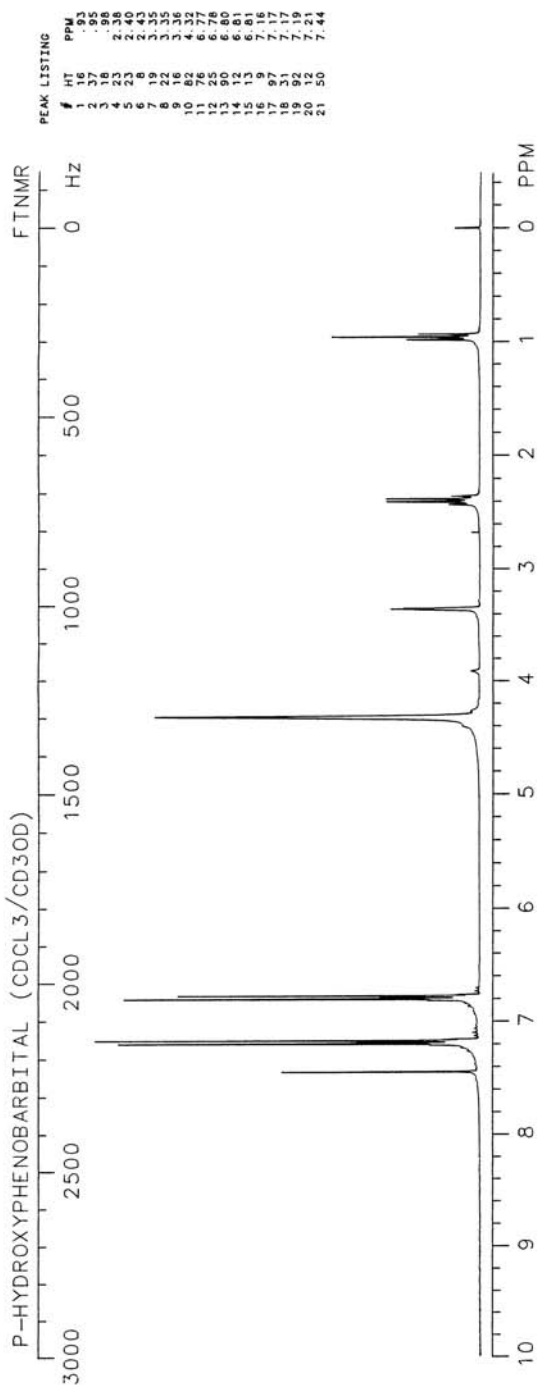
Molecular weight: 248.22 (248.08)
Synonyms: 4-Hydroxy-5-ethyl-5-phenyl-2,3,6(1H,3H,5H)-pyrimidinetrione;
5-ethyl-5-(p-hydroxyphenyl)barbituric acid
Trade names:

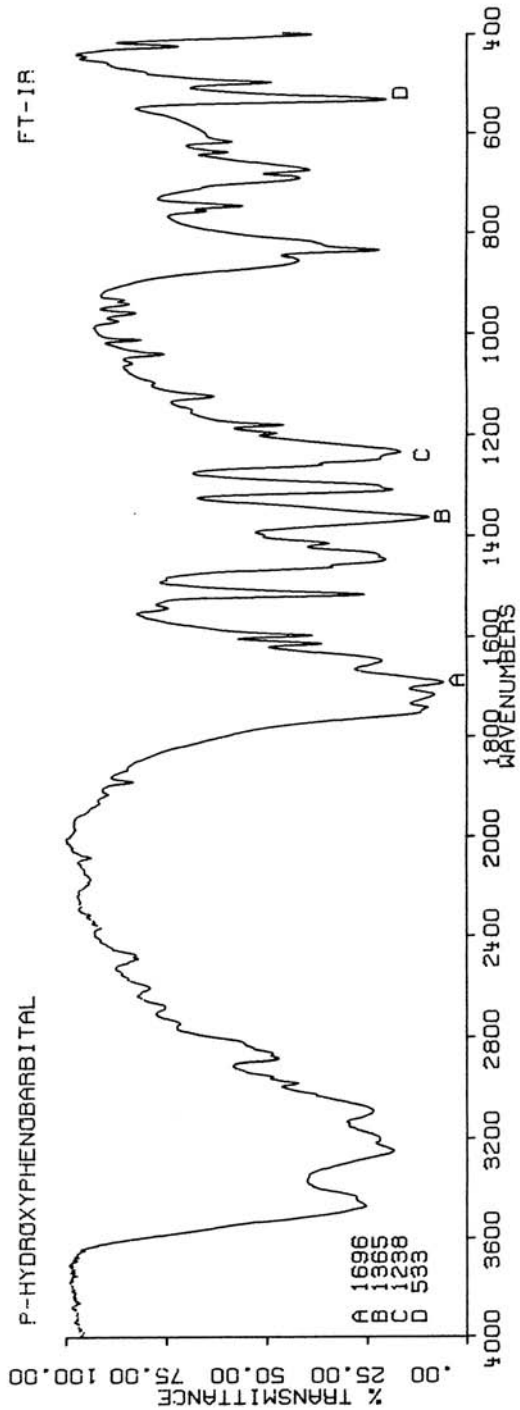
Use: Urinary metabolite
HPLC: Si-10; 5A:95B; 4.3
GC: 2410; 250°C








P-HYDROXYPHENOBARBITAL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 16 .93
2 37 .95
3 18 .98
4 23 2.38
5 23 2.40
6 8 3.33
7 19 3.35
8 22 3.35
9 16 3.36
10 82 4.32
11 76 6.77
12 55 6.78
13 80 6.80
14 12 6.81
15 13 6.81
16 9 7.16
17 97 7.17
18 31 7.17
19 92 7.19
20 12 7.21
21 50 7.44
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


P-HYDROXYPHENOBARBITAL
FT-IR
A 1696
B 1365
C 1238
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

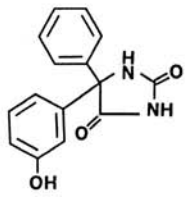
5-M-HYDROXYPHENYL-5-PHENYLHYDANTOIN

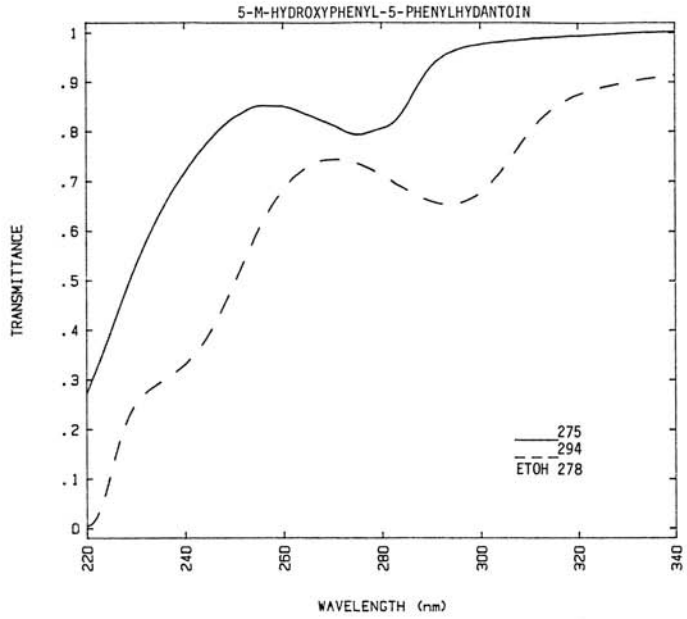
$C_{15}H_{12}N_2O_3$

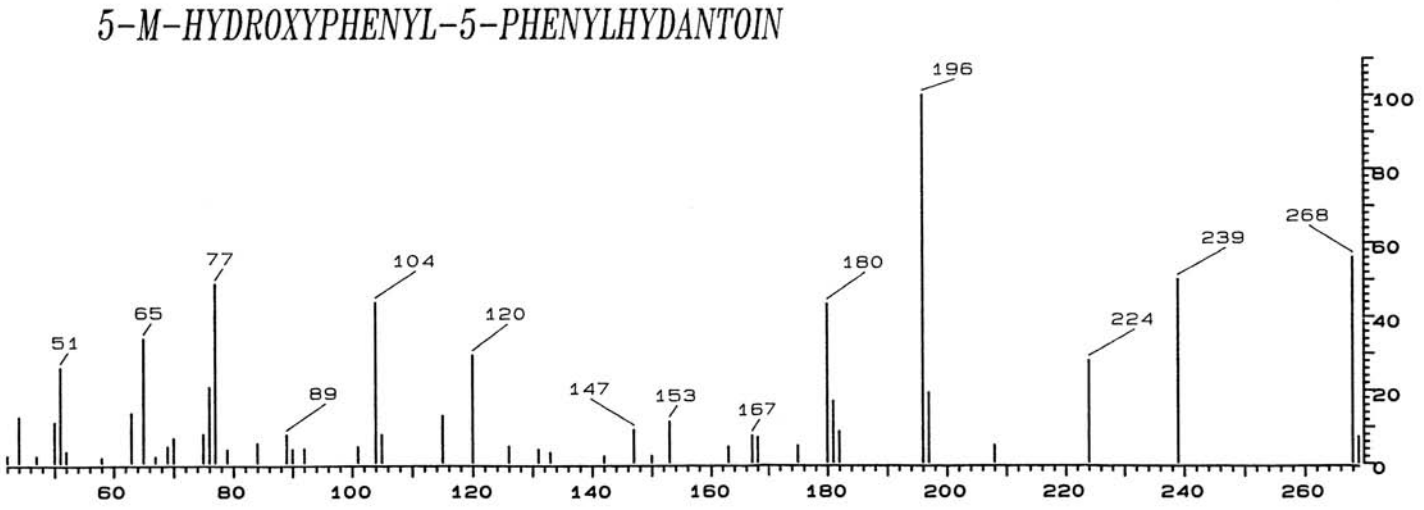
Molecular weight: 268.28 (268.09)
Synonyms: 5-(3-Hydroxyphenyl)-5-phenyl-2,4-imidazolidinedione

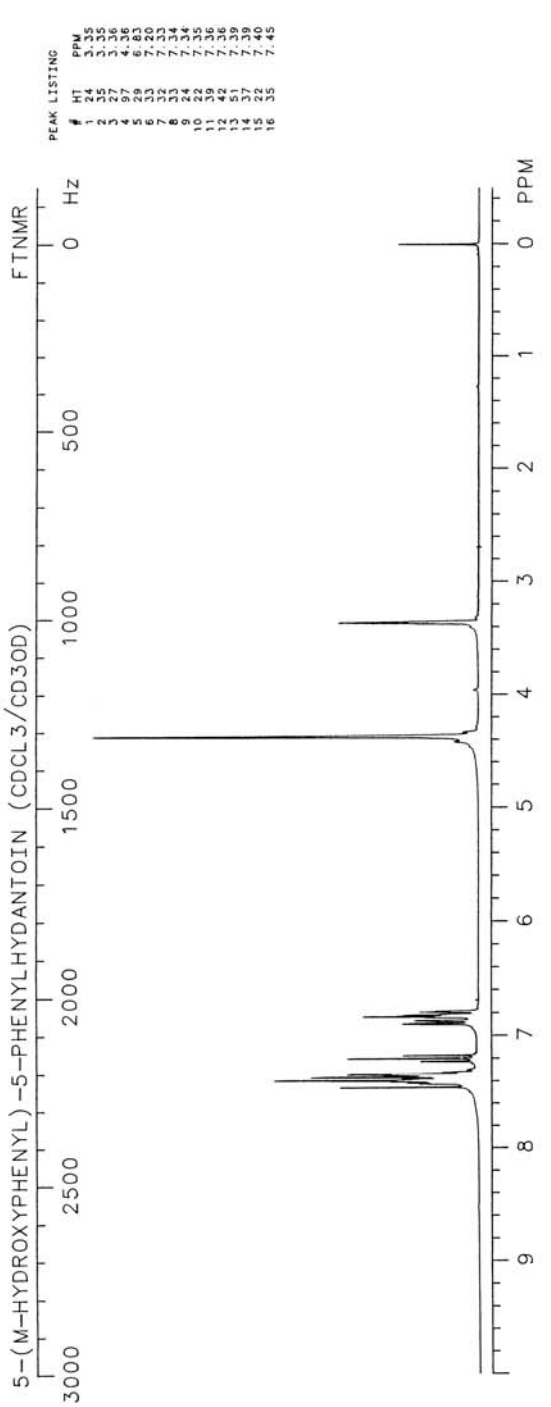
Trade names:

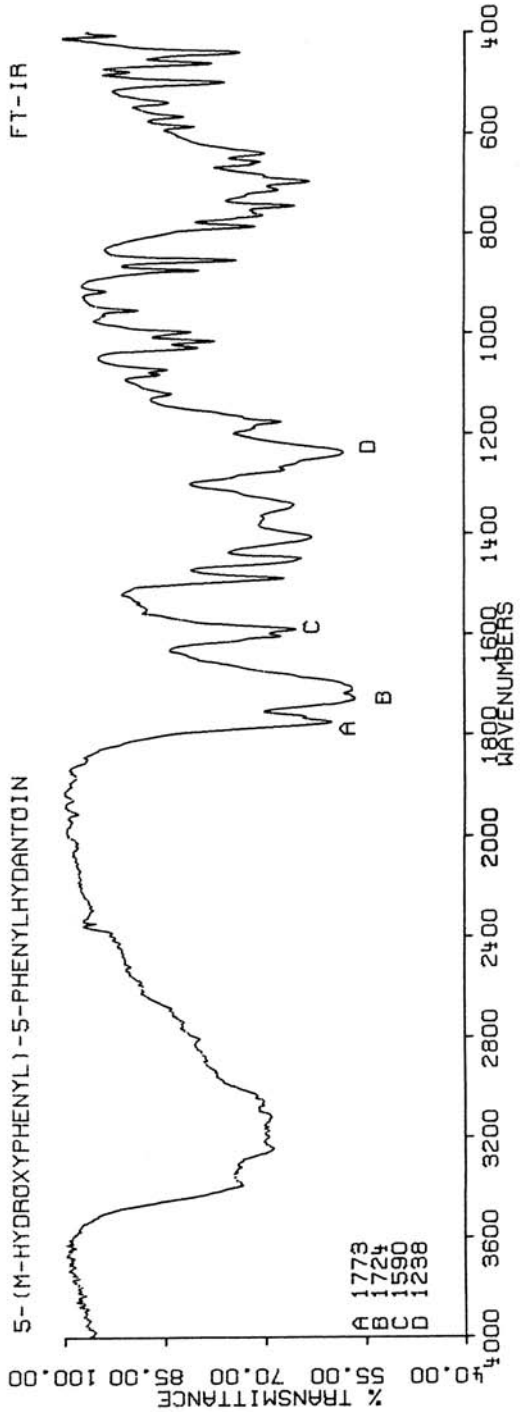
Use:
HPLC:
GC: 2915; 280°C








5-(M-HYDROXYPHENYL)-5-PHENYLHYDANTOIN (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 24 3.35
2 35 3.35
3 27 3.36
4 97 4.36
5 29 6.83
6 33 7.20
7 32 7.33
8 33 7.34
9 24 7.34
10 22 7.35
11 39 7.36
12 42 7.36
13 51 7.39
14 37 7.39
15 22 7.46
16 35 7.45


FT-IR
5-(M-HYDROXYPHENYL)-5-PHENYLHYDANTOIN
% 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 1773
B 1724
C 1590
D 1238

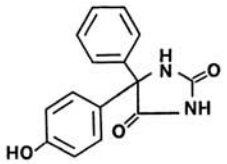
5-*P*-HYDROXYPHENYL-5-PHENYLHYDANTOIN

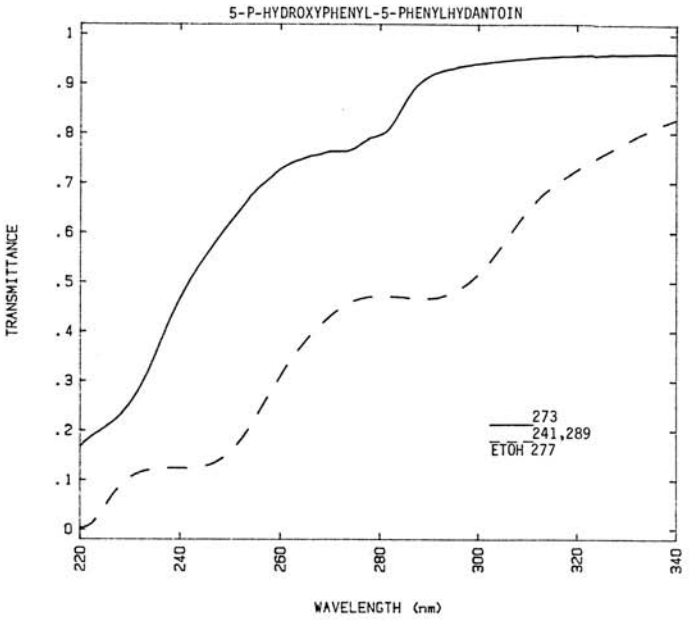
$C_{15}H_{12}N_2O_3$

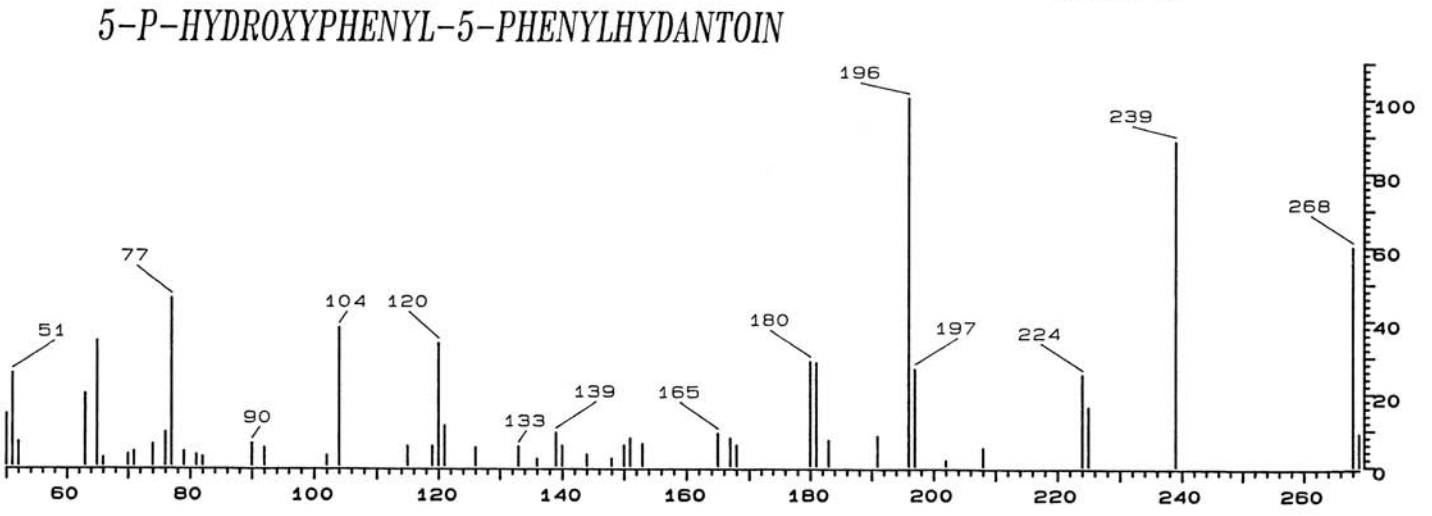
Molecular weight: 268.28 (268.09)
Synonyms: 5-(4-Hydroxyphenyl)-5-phenyl-2,4-imidazolidinedione

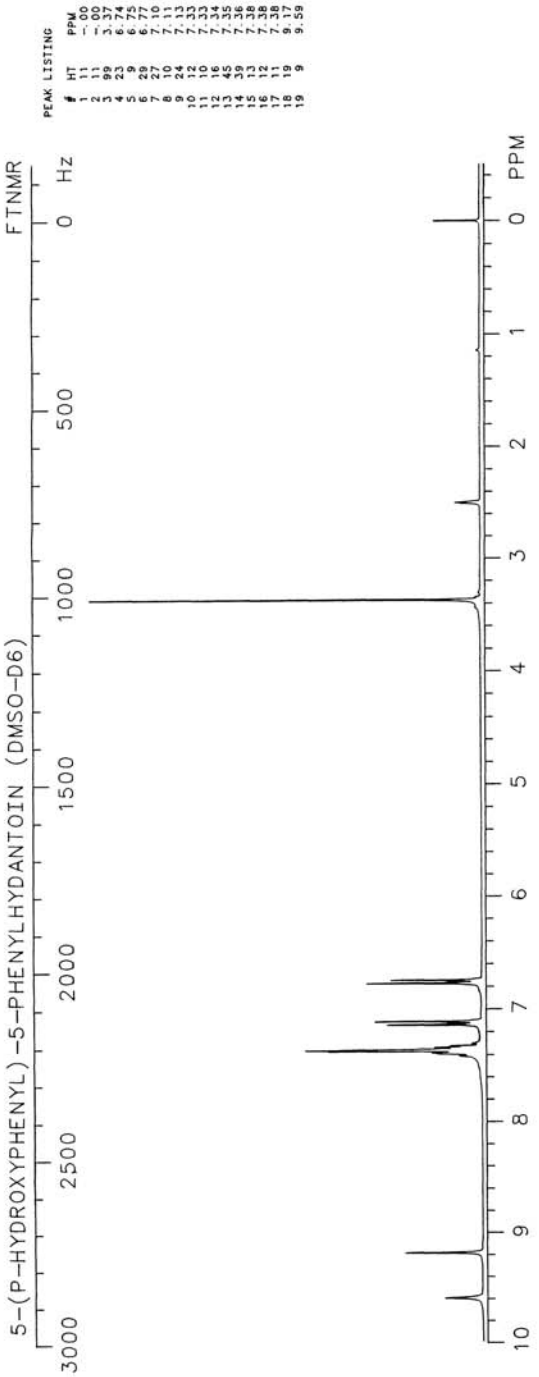
Trade names:

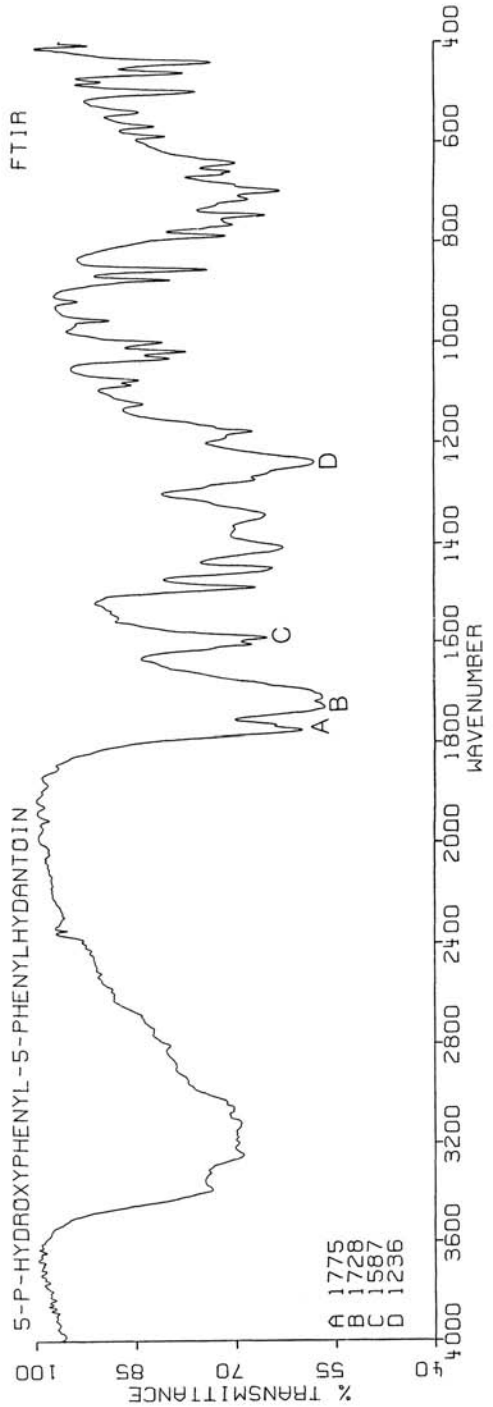
Use:
HPLC:
GC: 2946; 280°C








5-(P-HYDROXYPHENYL)-5-PHENYLHYDANTOIN (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 11 -.00
2 11 -.00
3 89 3.57
4 23 6.74
5 9 6.75
6 29 6.77
7 27 7.10
8 10 7.11
9 24 7.13
10 12 7.33
11 10 7.33
12 16 7.34
13 45 7.35
14 39 7.36
15 13 7.38
16 12 7.38
17 11 7.38
18 19 9.17
19 9 9.59


FTIR
5-P-HYDROXYPHENYL-5-PHENYLHYDANTOIN
% 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
A 1775
B 1728
C 1587
D 1236

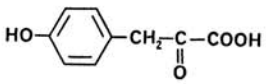
HYDROXYPHENYLPYRUVIC ACID

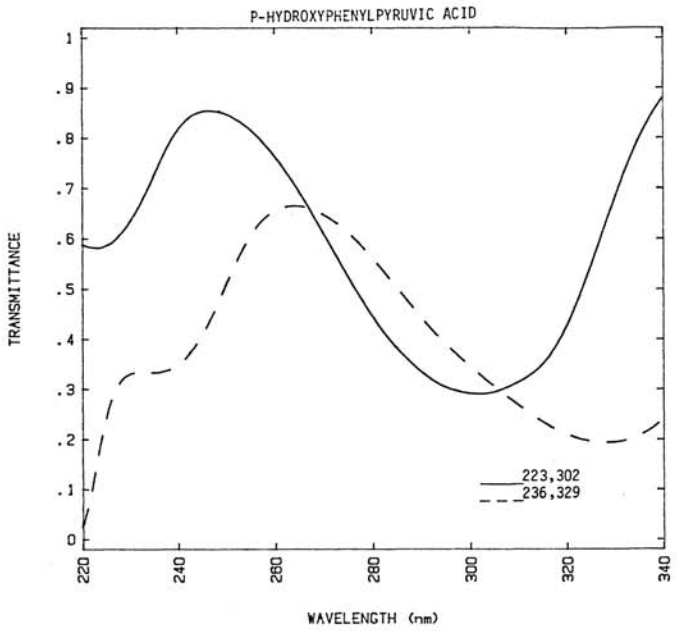
$C_9H_8O_4$

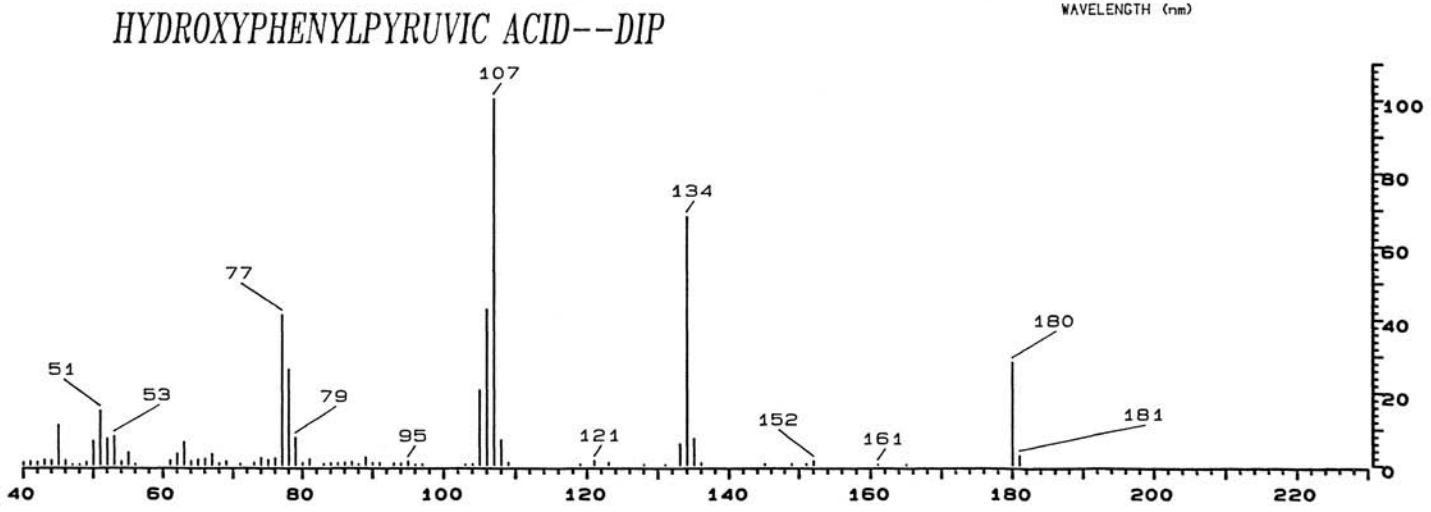
Molecular weight: 180.16 (180.04)
Synonyms: 4-Hydroxyphenyl-2-oxopropanoic acid

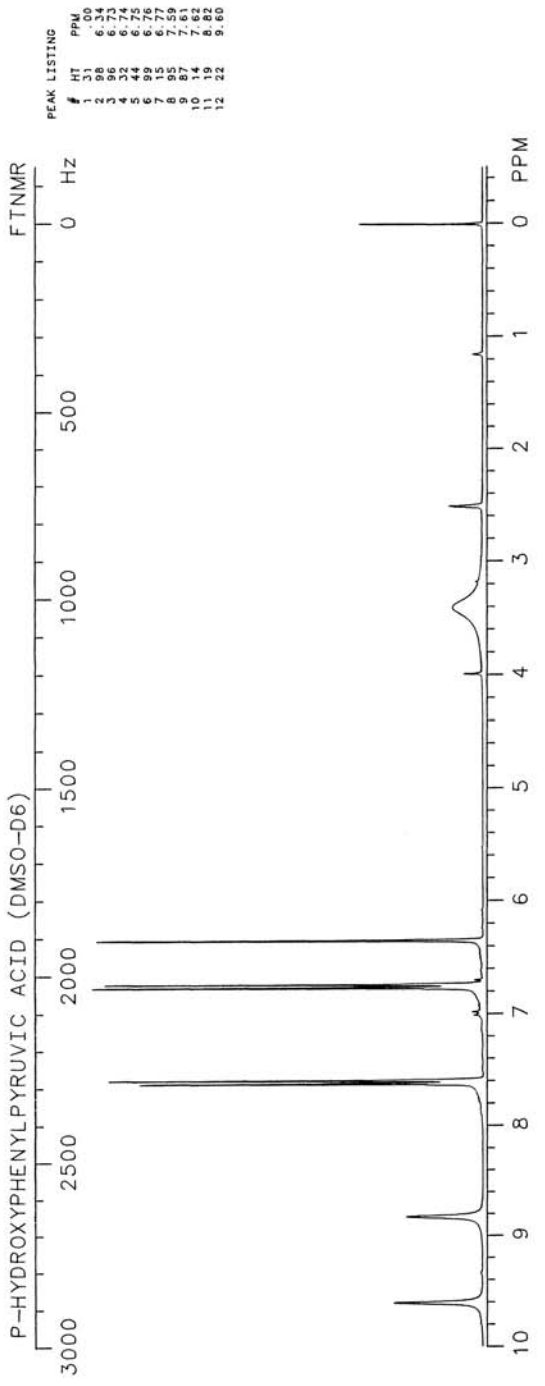
Trade names:

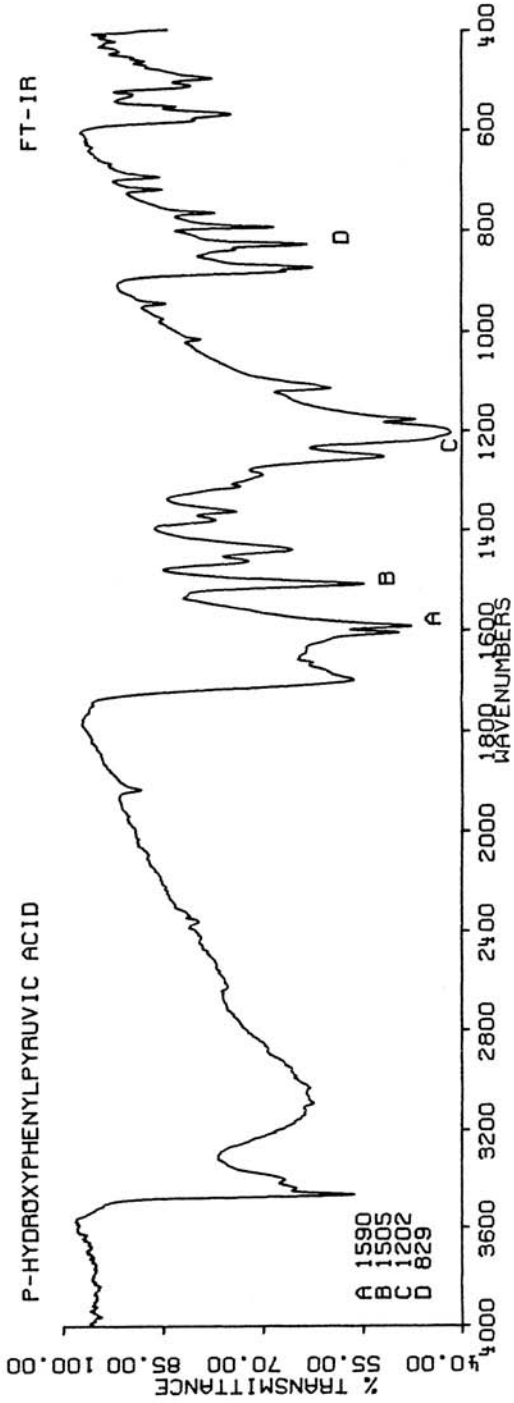
Use:
HPLC: Si-10; 2A:98B; 4.9
GC:








P-HYDROXYPHENYLPYRUVIC ACID (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 31 .00
2 98 6.34
3 96 6.73
4 32 6.74
5 44 6.75
6 99 6.76
7 15 6.77
8 95 7.59
9 87 7.61
10 14 7.62
11 19 8.82
12 22 9.60
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


P-HYDROXYPHENYLPYRUVIC ACID
FT-IR
A 1590
B 1505
C 1202
D 829
% 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

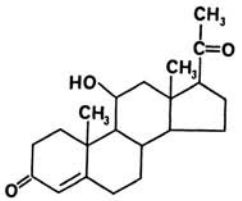
11-α-HYDROXYPROGESTERONE

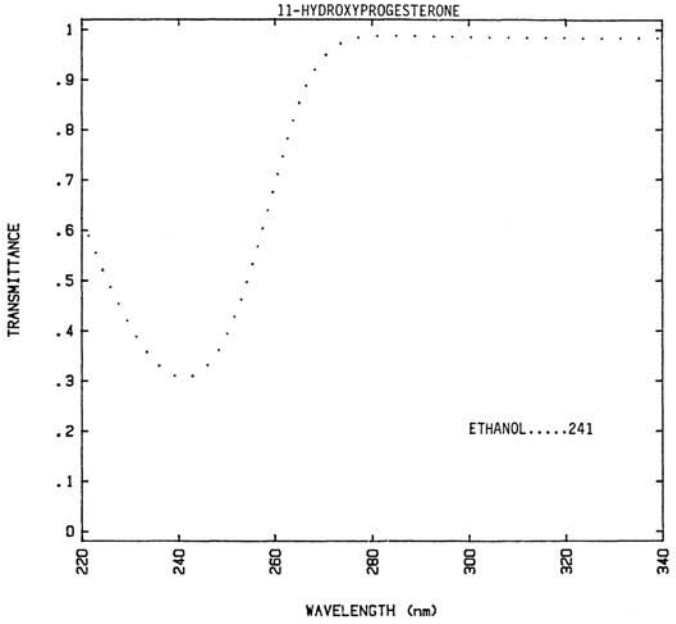
$C_{21}H_{30}O_3$

Molecular weight: 330.45 (330.22)
Synonyms: 11-Hydroxypregn-4-ene-3,20-dione; 4-pregnen-11-ol-3,20-dione

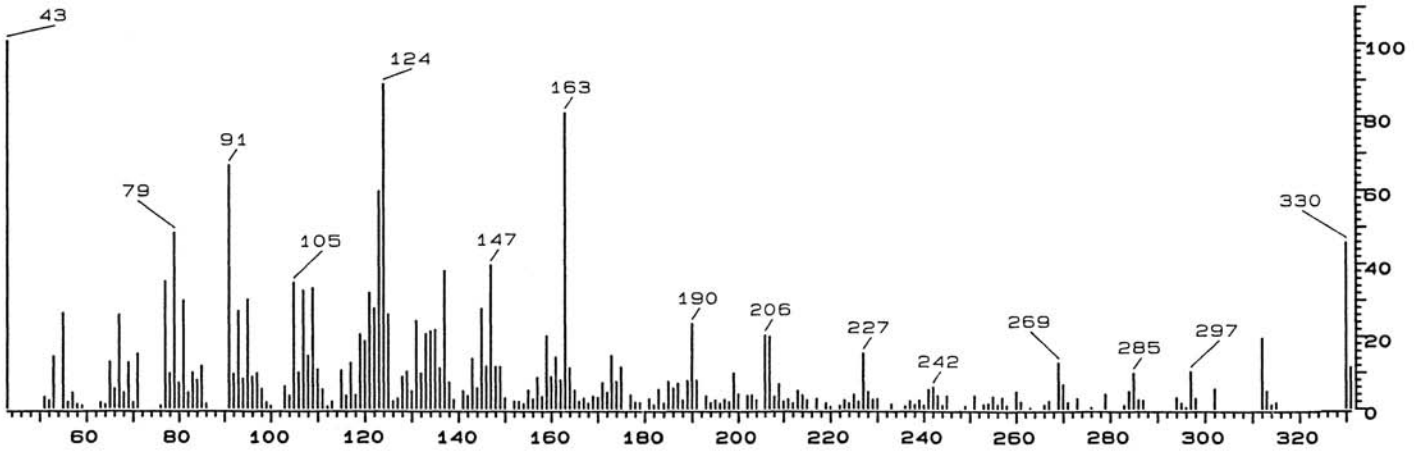
Trade names: Prodrox

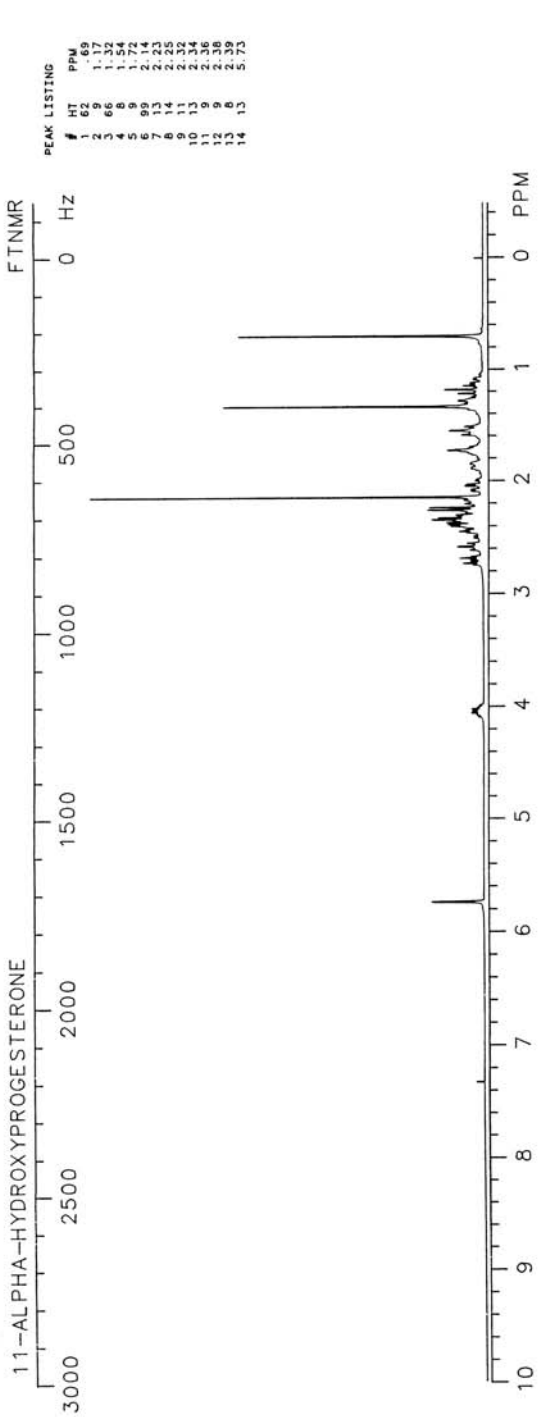
Use: Steroid
HPLC:
GC: 3096; 280°C

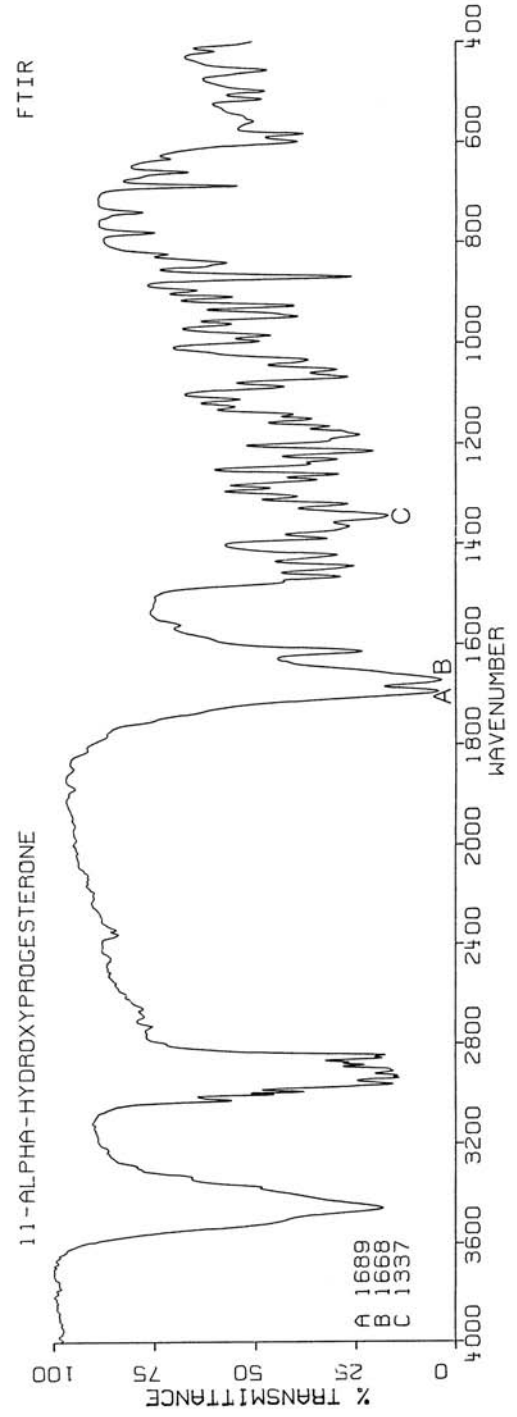




11-ALPHA-HYDROXYPROGESTERONE




FTNMR
11-ALPHA-HYDROXYPROGESTERONE
PEAK LISTING
HT PPM
1 62 .69
2 9 1.17
3 66 1.32
4 8 1.54
5 9 1.72
6 99 2.14
7 13 2.23
8 14 2.25
9 11 2.32
10 13 2.34
11 9 2.36
12 8 2.38
13 6 2.59
14 13 5.73
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


FTIR
11-ALPHA-HYDROXYPROGESTERONE
A 1689
B 1668
C 1337
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

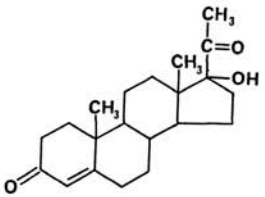
17-α-HYDROXYPROGESTERONE (17-α)

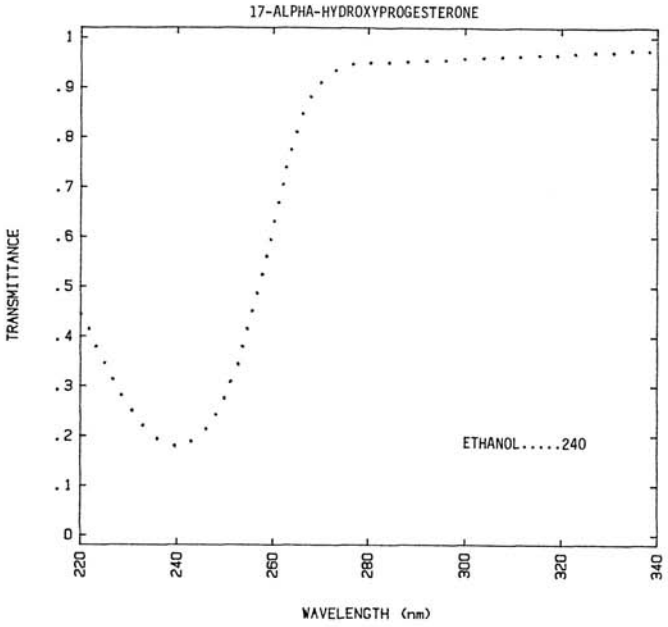
$C_{21}H_{30}O_3$

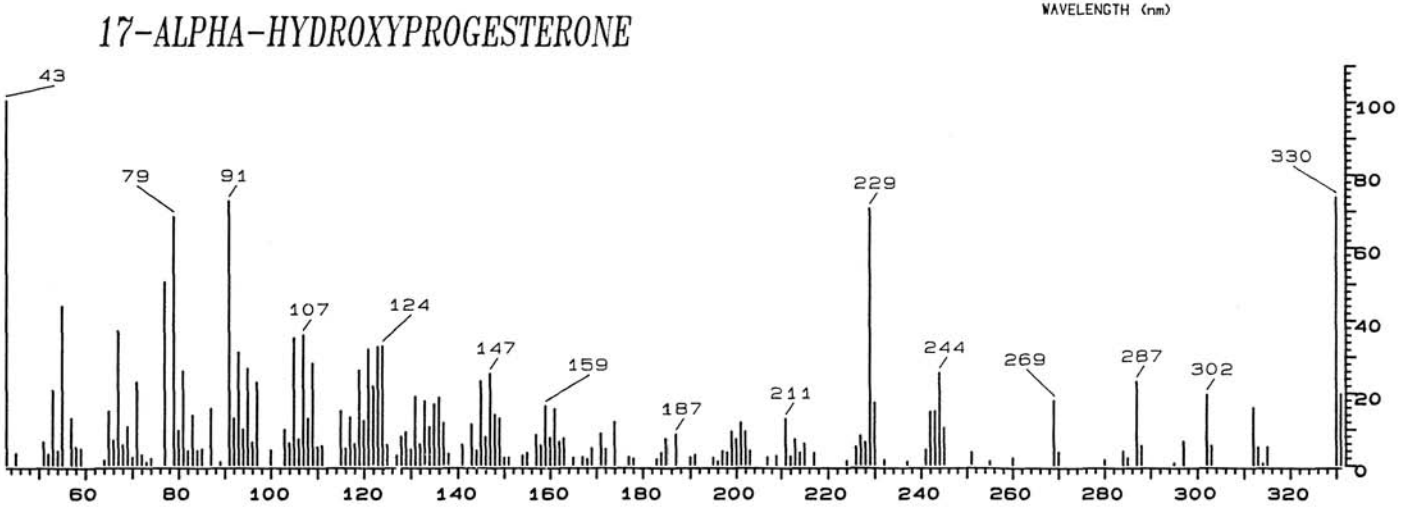
Molecular weight: 330.45 (330.22)
Synonyms: 17-Hydroxypregn-4-ene-3,20-dione; 4-pregnen-17α-ol-3,20-dione

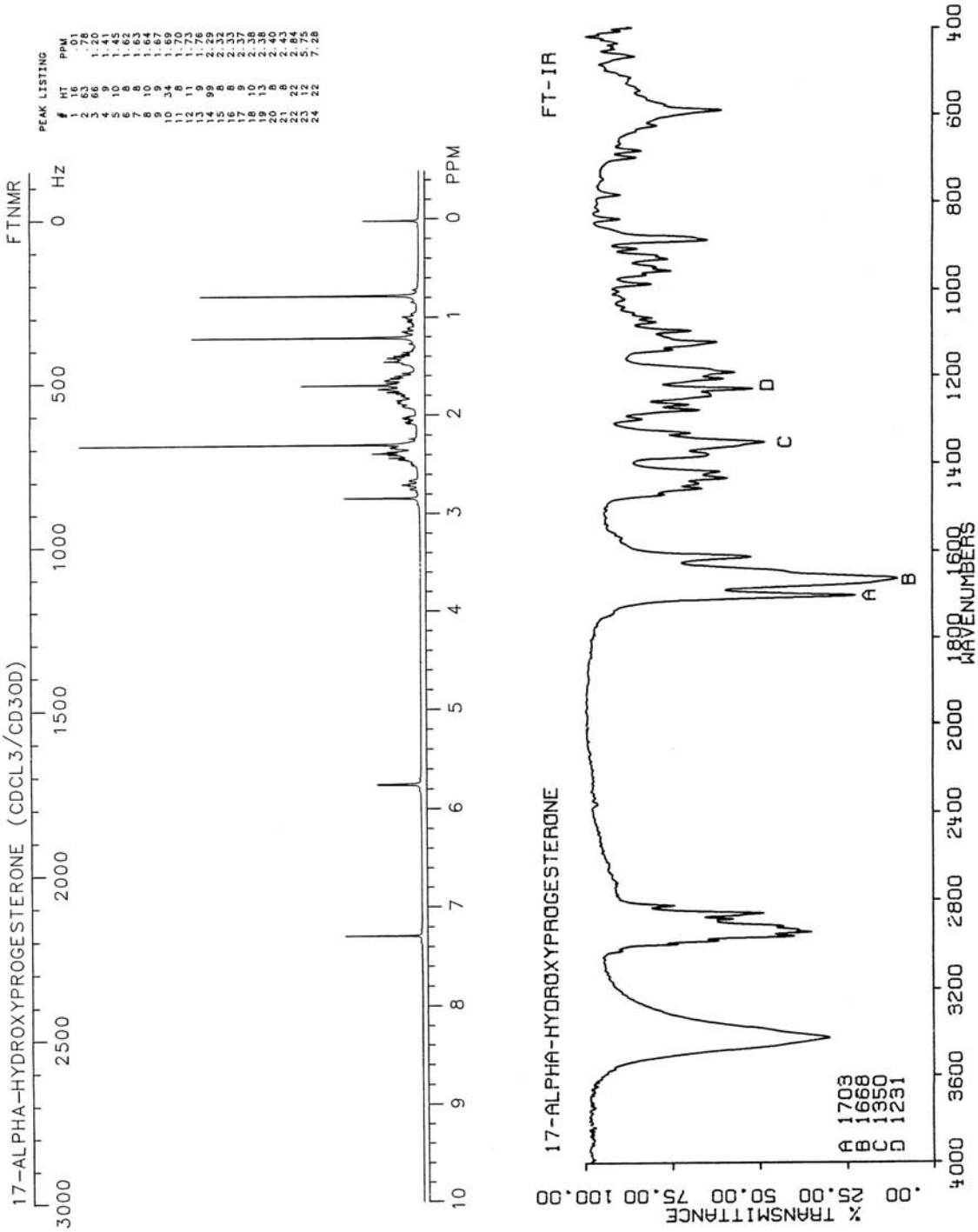
Trade names: Delalutin, Gestageno, Proluton, Prodrox, Relutin

Use: Progestin, steroid
HPLC:
GC: 3002; 280°C







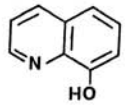

17-ALPHA-HYDROXYPROGESTERONE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
PEAK LISTING
HT PPM
1 15 .01
2 63 .78
3 66 1.20
4 9 1.41
5 10 1.45
6 8 1.62
7 8 1.63
8 10 1.64
9 9 1.67
10 34 1.69
11 8 1.70
12 11 1.73
13 9 1.76
14 99 2.29
15 8 2.32
16 9 2.33
17 10 2.37
18 10 2.38
19 13 2.38
20 8 2.40
21 8 2.43
22 22 2.64
23 12 2.75
24 22 7.28
17-ALPHA-HYDROXYPROGESTERONE
FT-IR
A 1703
B 1668
C 1350
D 1231
% 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

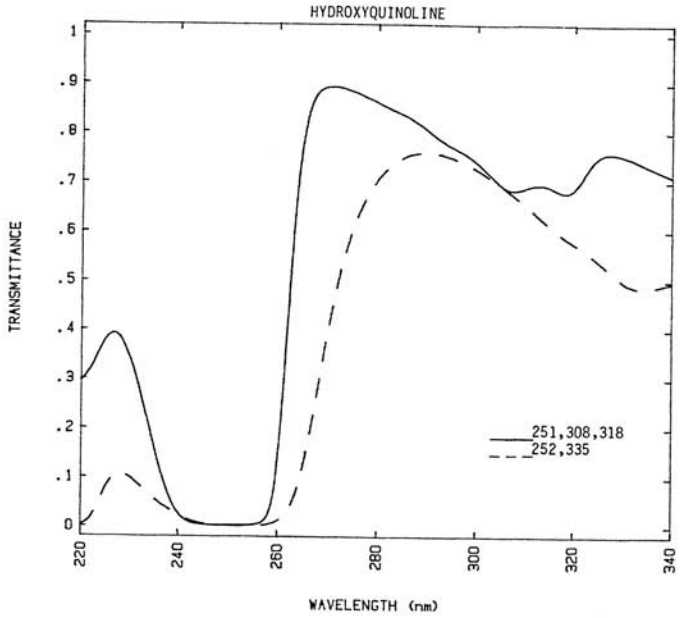
HYDROXYQUINOLINE

C_9H_7NO

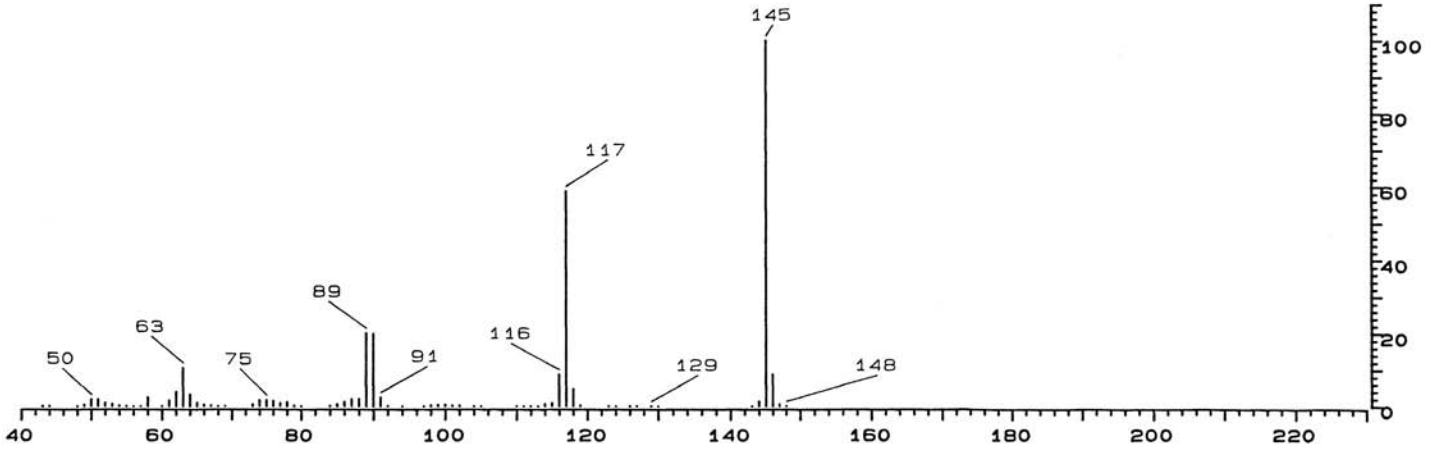
Molecular weight: 145.15 (145.05)
Synonyms: 8-Quinolinol; oxyquinoline; oxybenzopyridine; phenopyridine; oxine
Trade names: Derma Medicone-HC, Chinosolum, Oxyquinol, Rectal Medicone-HC

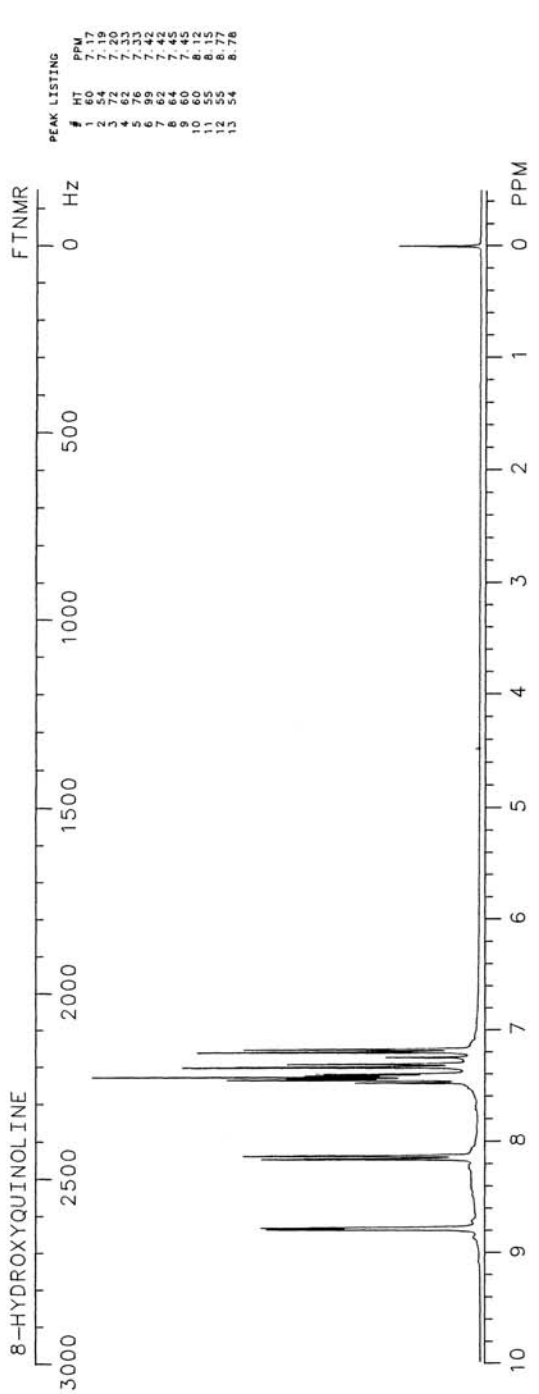
Use: Disinfectant
HPLC: Si-10; 1A:99B; 4.6
GC: 1408; 200°C

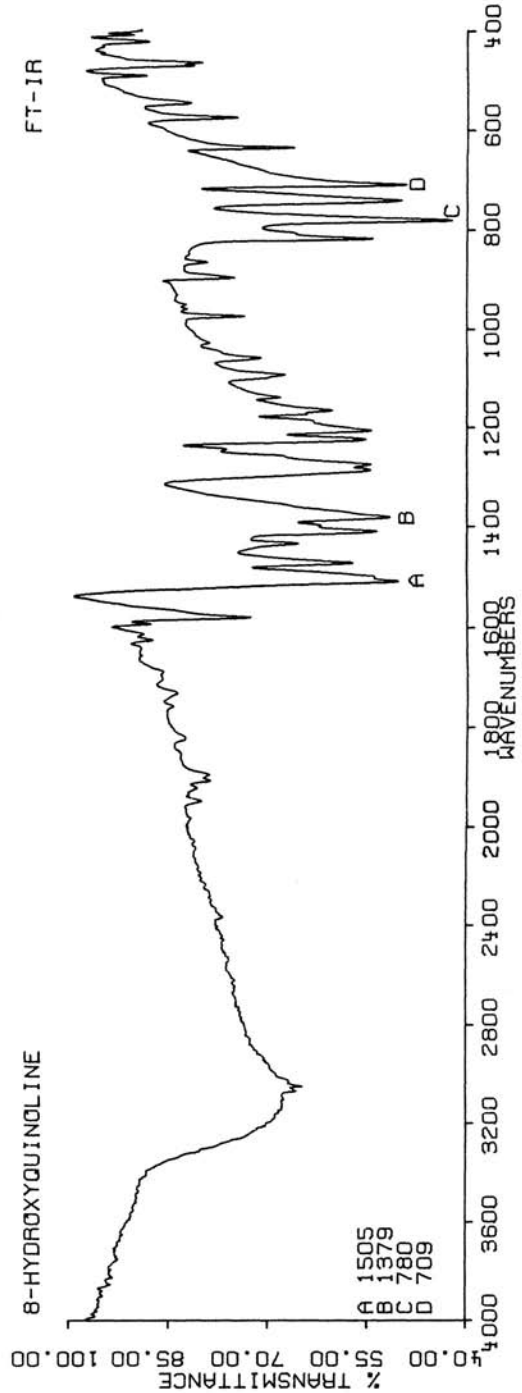




8-HYDROXYQUINOLINE




8-HYDROXYQUINOLINE
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 60 7.17
2 54 7.19
3 72 7.20
4 62 7.33
5 76 7.42
6 99 7.42
7 62 7.42
8 64 7.45
9 60 8.12
10 60 8.15
11 55 8.77
12 55 8.78
13 54


8-HYDROXYQUINOLINE
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 1505
B 1379
C 780
D 709
A B C D

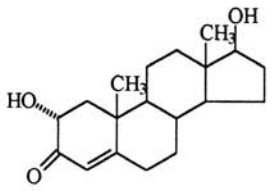
2α-HYDROXYTESTOSTERONE

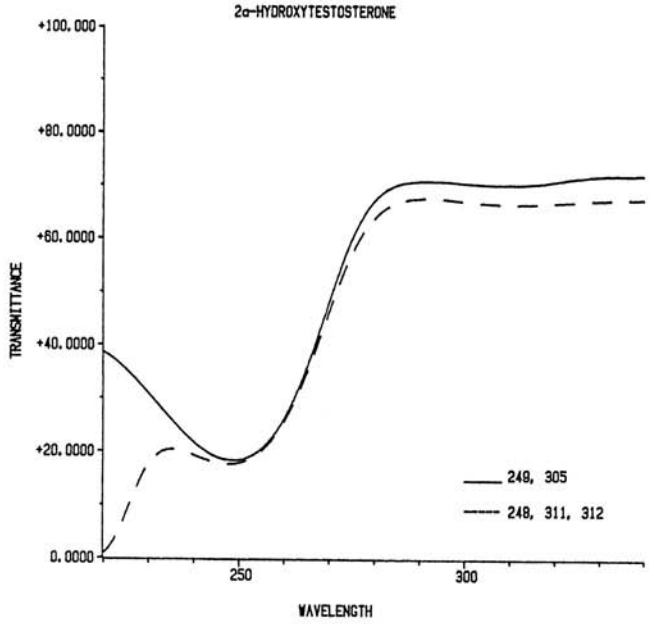
$C_{19}H_{28}O_3$

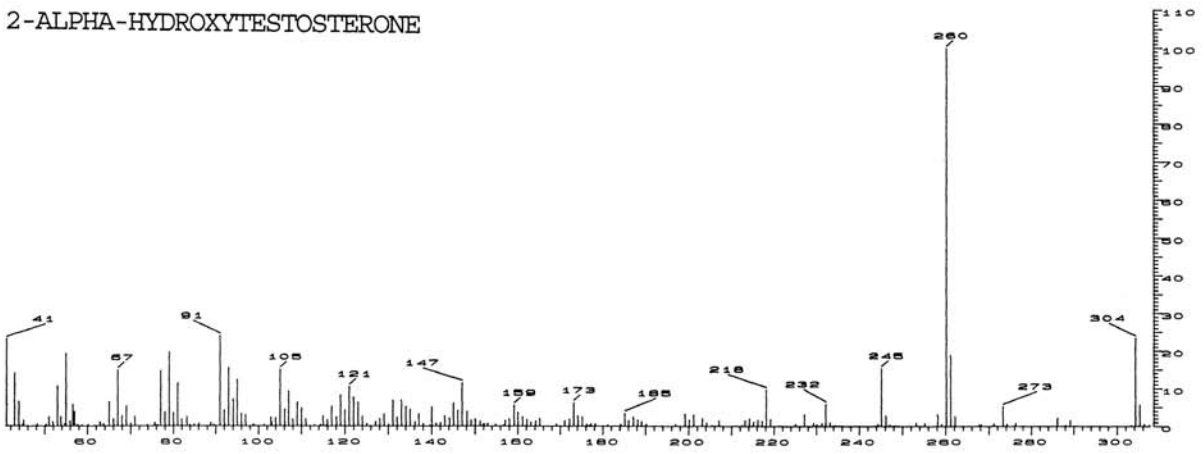
Molecular Weight: 304.43 (304.20)

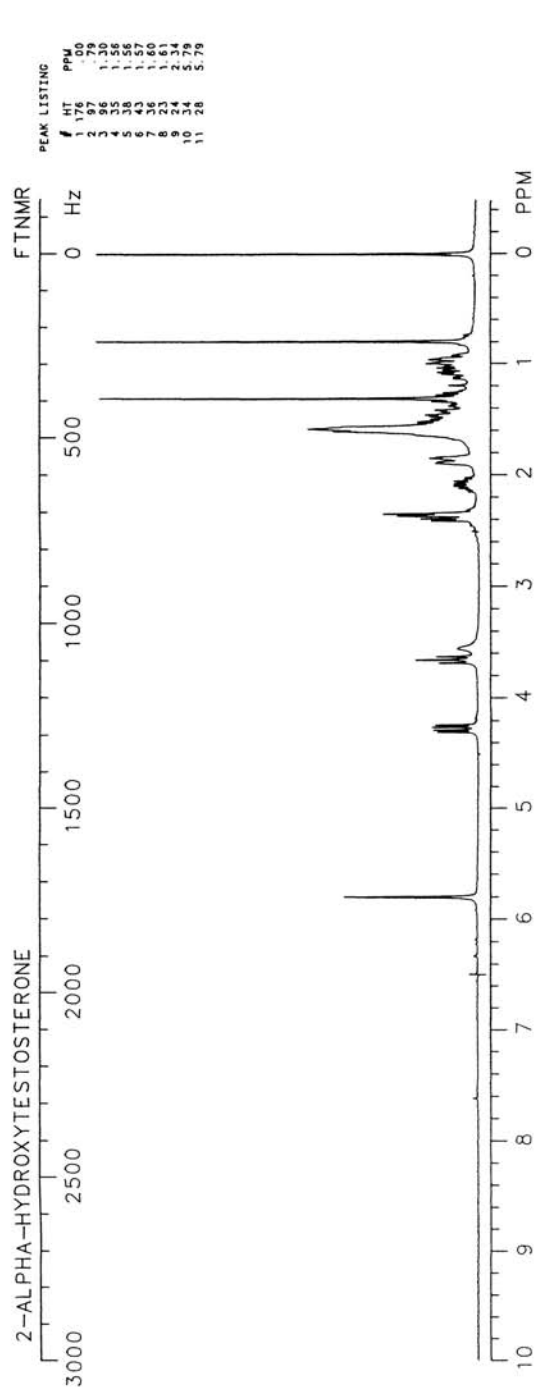
Synonyms: 4-Androstene-2α,17β-diol-3-one
Trade Names:
Use: Testosterone metabolite

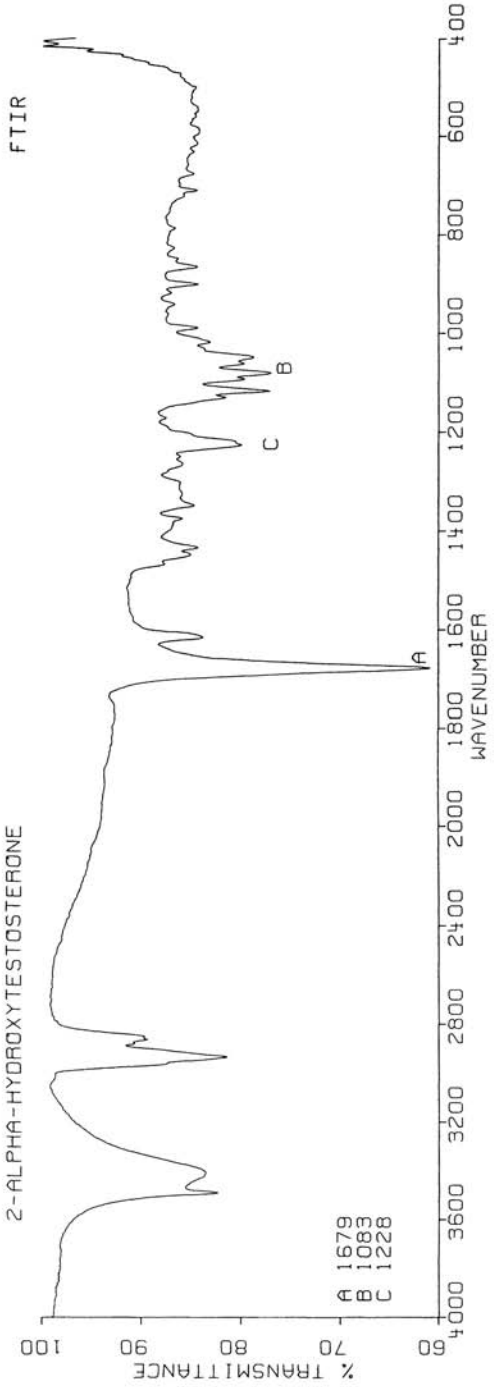
HPLC:
GC: 2781; 280°








2-ALPHA-HYDROXYTESTOSTERONE
FTNMR
PEAK LISTING
HT PPM
1 176 .00
2 97 .79
3 96 1.30
4 35 1.56
5 38 1.56
6 43 1.57
7 36 1.60
8 23 1.61
9 24 2.34
10 34 5.79
11 28 5.79
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


2-ALPHA-HYDROXYTESTOSTERONE
FTIR
A 1679
B 1083
C 1228
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C

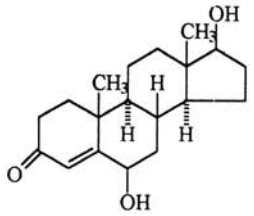
6β-HYDROXYTESTOSTERONE

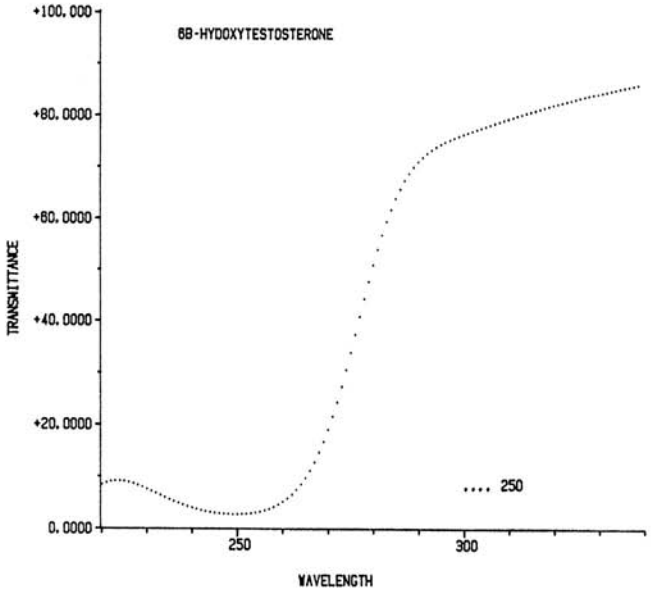
$C_{19}H_{28}O_3$

Molecular Weight: 304.43 (304.20)

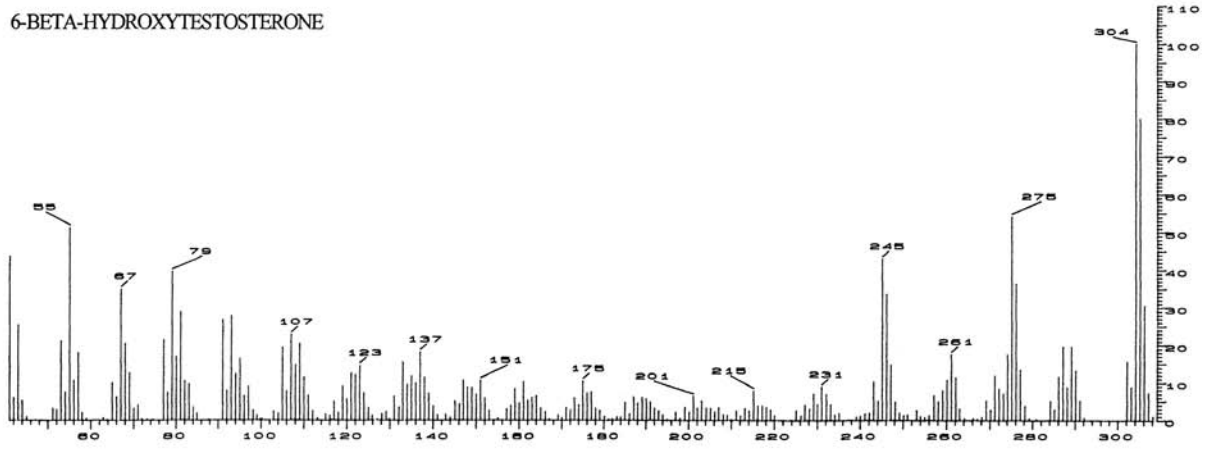
Synonyms: 4-Androstene-6β,17β-diol-3-one
Trade Names:
Use: Testosterone metabolite

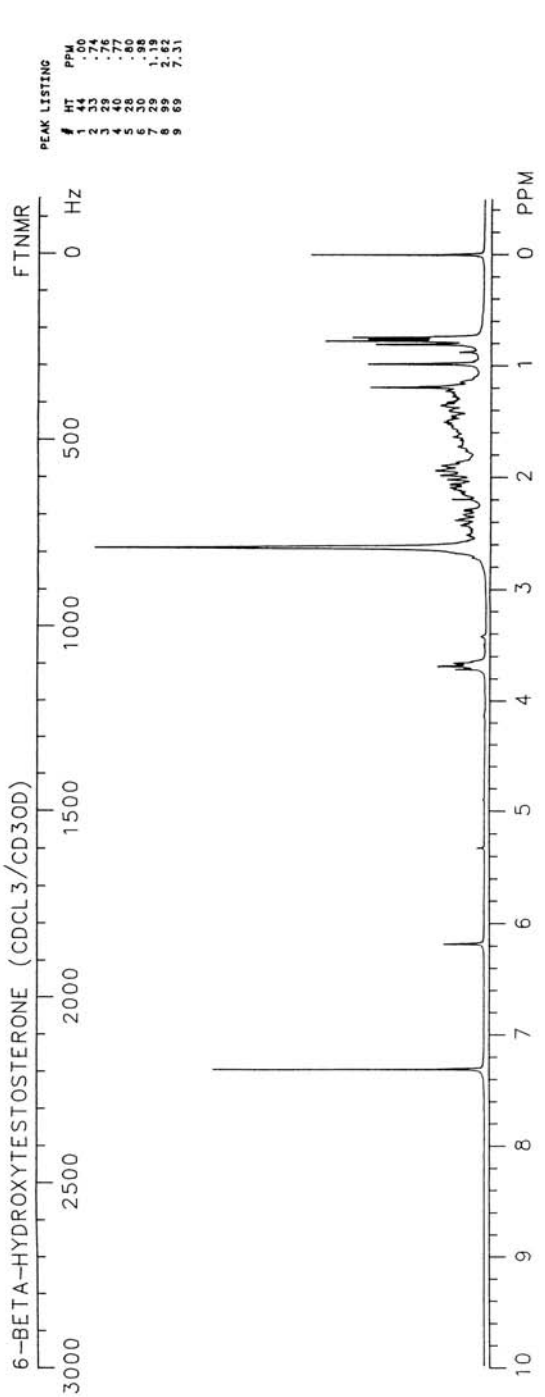
HPLC: Ethanol: 2.5
GC: 2745; 250°

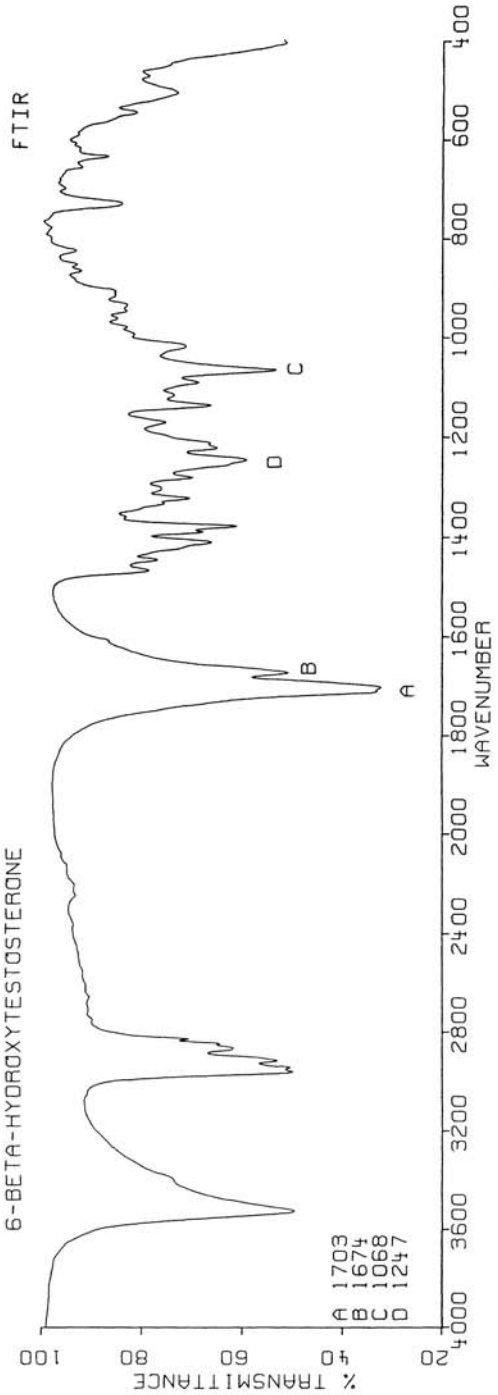




6-BETA-HYDROXYTESTOSTERONE




6-BETA-HYDROXYTESTOSTERONE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 44 .00
2 33 .74
3 29 .76
4 40 .77
5 28 .80
6 30 .96
7 29 1.19
8 99 2.62
9 69 7.31
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


6-BETA-HYDROXYTESTOSTERONE
FTIR
A 1703
B 1674
C 1068
D 1247
% TRANSMITTANCE
100 80 60 40 20
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

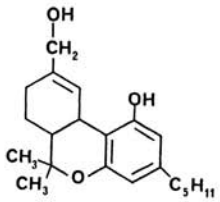
11-HYDROXY-DELTA-9-TETRAHYDROCANNABINOL

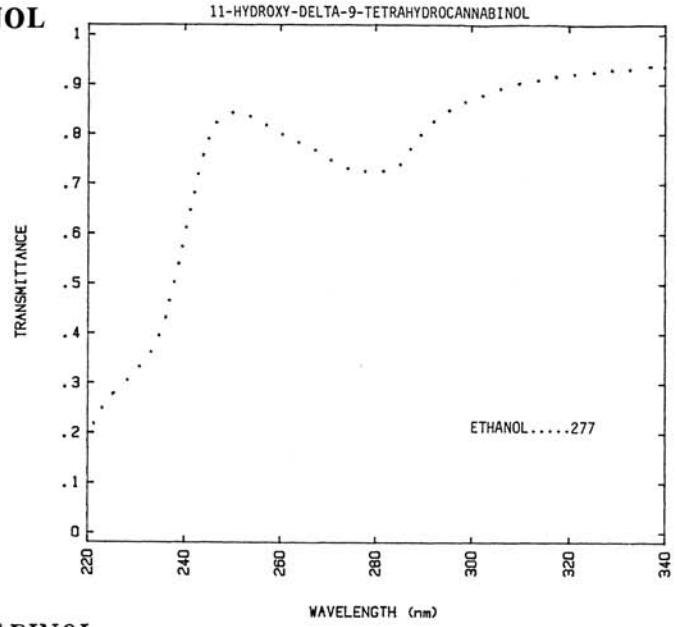
$C_{21}H_{30}O_3$

Molecular weight: 330.47 (330.22)

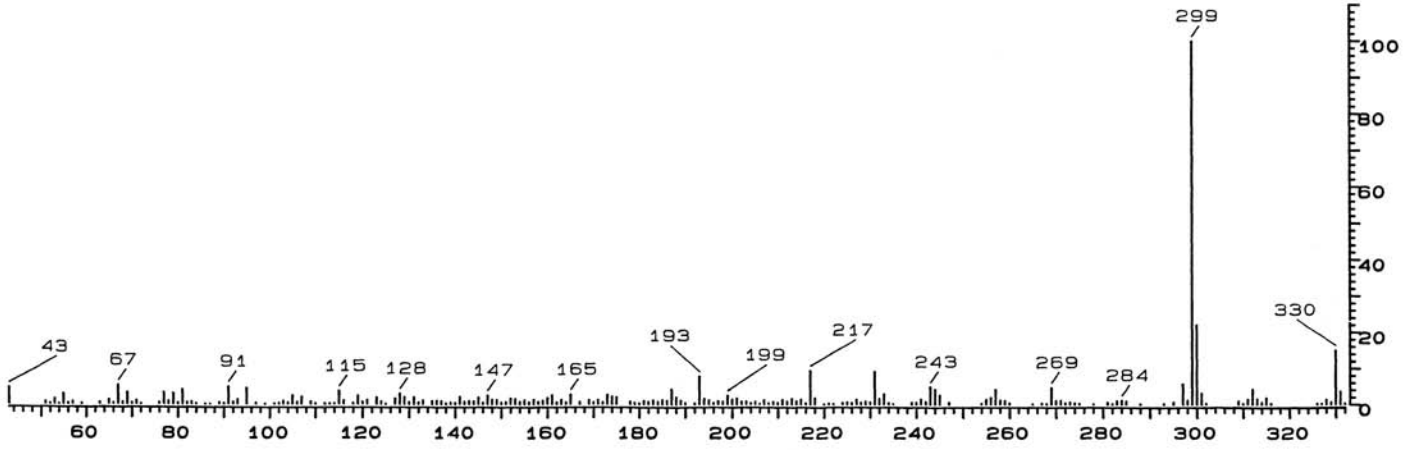
Synonyms: 11-Hydroxy-tetrahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d]pyran-1-ol
Trade names:

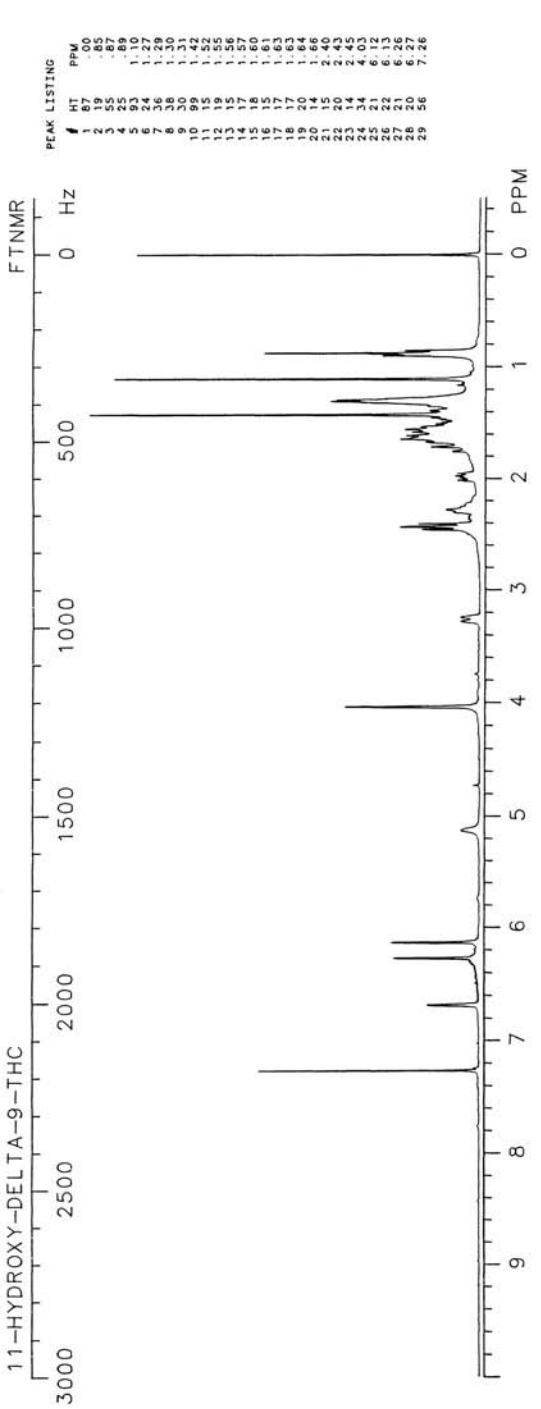
Use: Metabolite
HPLC: Si-10; 1A:99B; 4.6
GC: 2826; 280°C

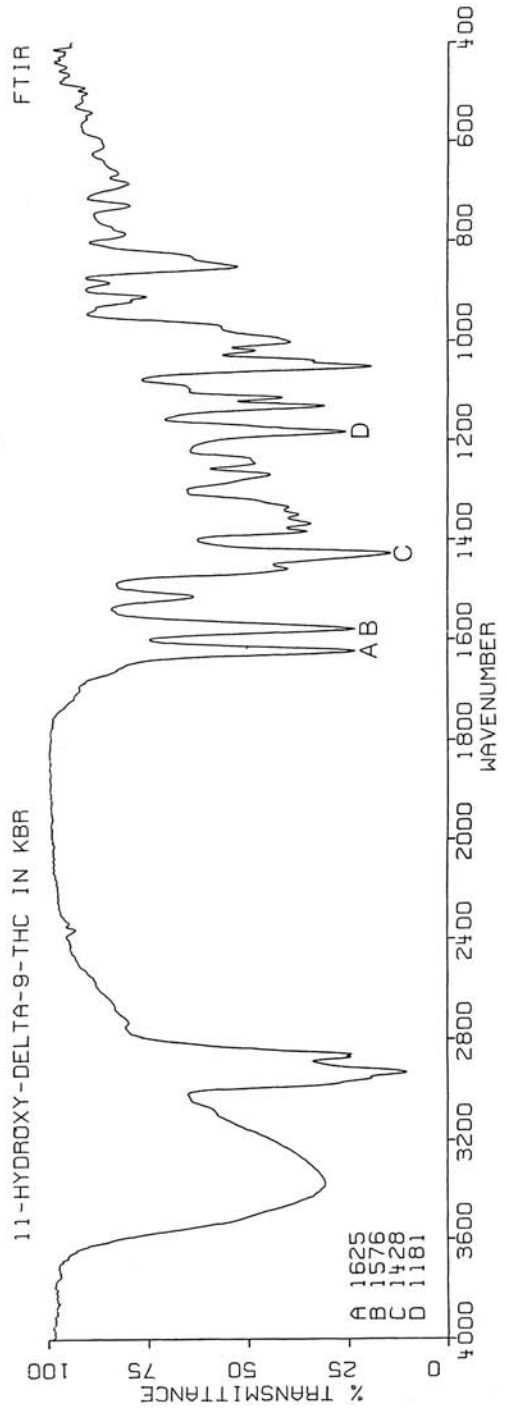




11-HYDROXY-DELTA-9-TETRAHYDROCANNABINOL




11-HYDROXY-DELTA-9-THC
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 .00
2 19 .85
3 55 .87
4 25 .89
5 93 1.10
6 24 1.27
7 36 1.29
8 38 1.30
9 30 1.31
10 99 1.42
11 15 1.52
12 19 1.55
13 15 1.56
14 17 1.57
15 18 1.60
16 15 1.61
17 17 1.63
18 17 1.64
19 20 1.66
20 14 2.40
21 15 2.43
22 20 2.45
23 34 4.03
24 21 6.12
25 21 6.13
26 22 6.26
27 21 6.27
28 20 7.26
29 56

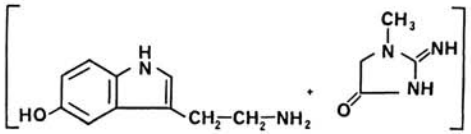

11-HYDROXY-DELTA-9-THC IN KBR
FTIR
% TRANSMITTANCE
100
75
50
25
0
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBER
A
AB
B
C
D
A 1625
B 1576
C 1428
D 1181

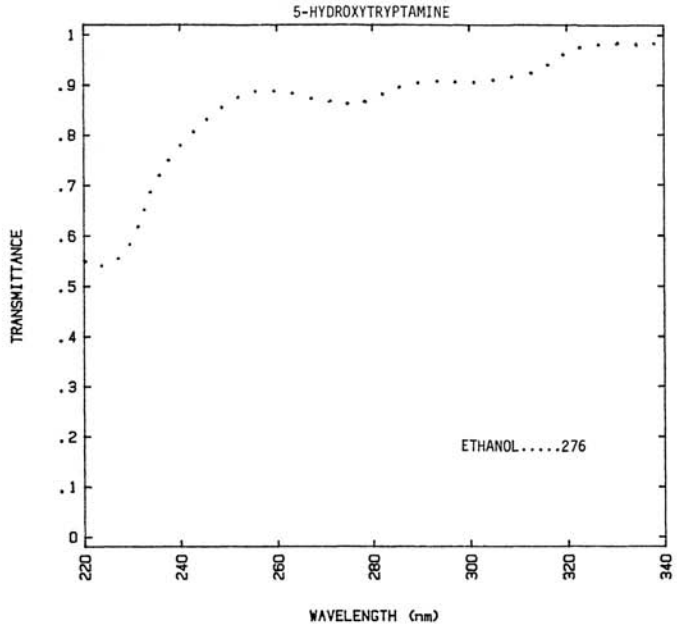
5-HYDROXYTRYPTAMINE CREATININE

$C_{14}H_{21}N_5O_6S$

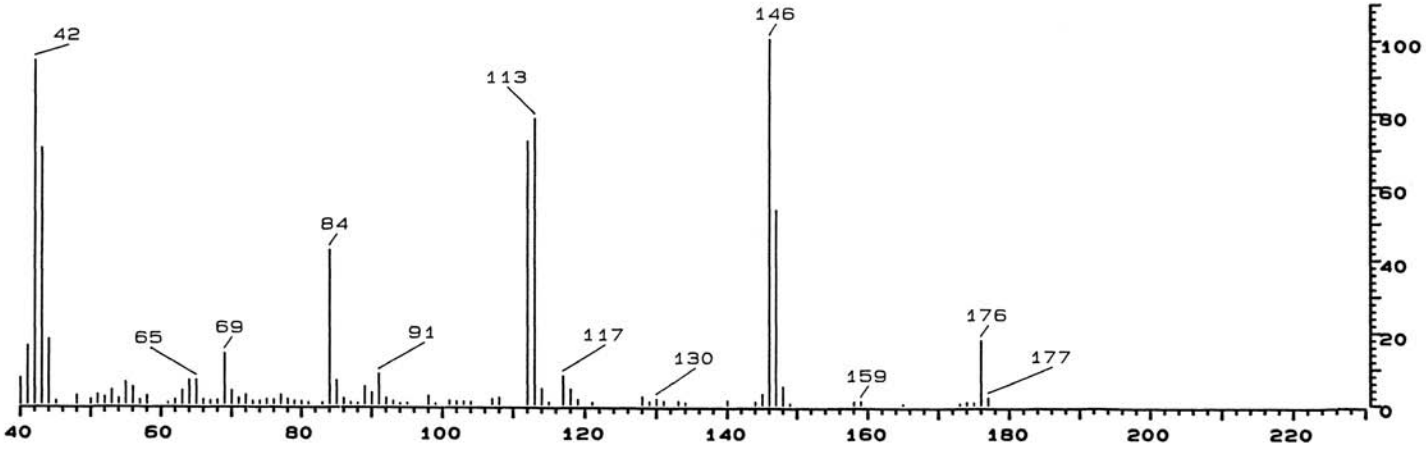
Molecular weight: 387.38 (387.12)
Synonyms: 3-(2-Aminoethyl)-1H-indol-5-ol creatinine sulfate;
Serotonin, enteramine, thrombotonin
Trade names: Antemovis

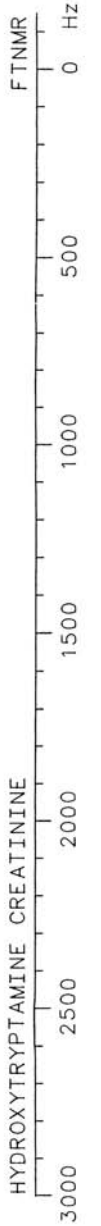
Use:
HPLC: Si-10; 20A:80B; 7.1
GC:



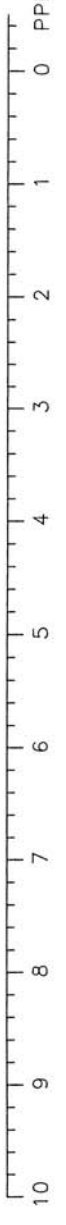


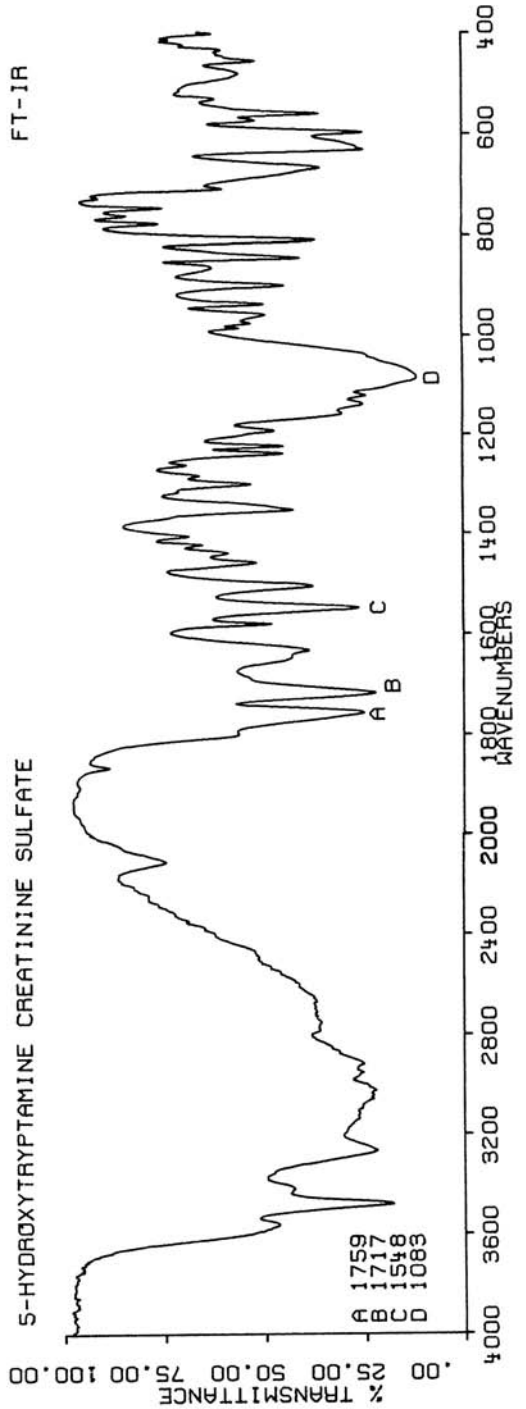
HYDROXYTRYPTAMINE CREATININE--DIP





INSUFFICIENT SOLUBILITY





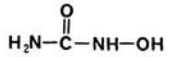
HYDROXYUREA

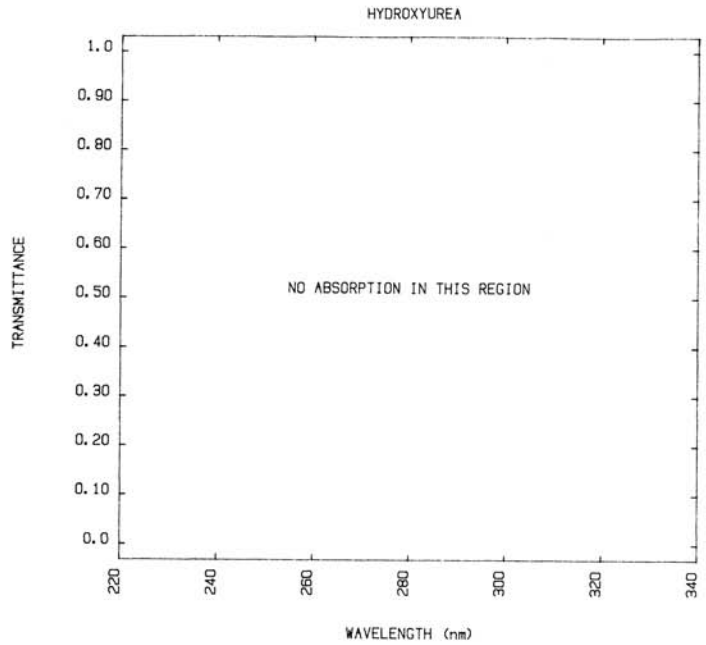
$CH_4N_2O_2$

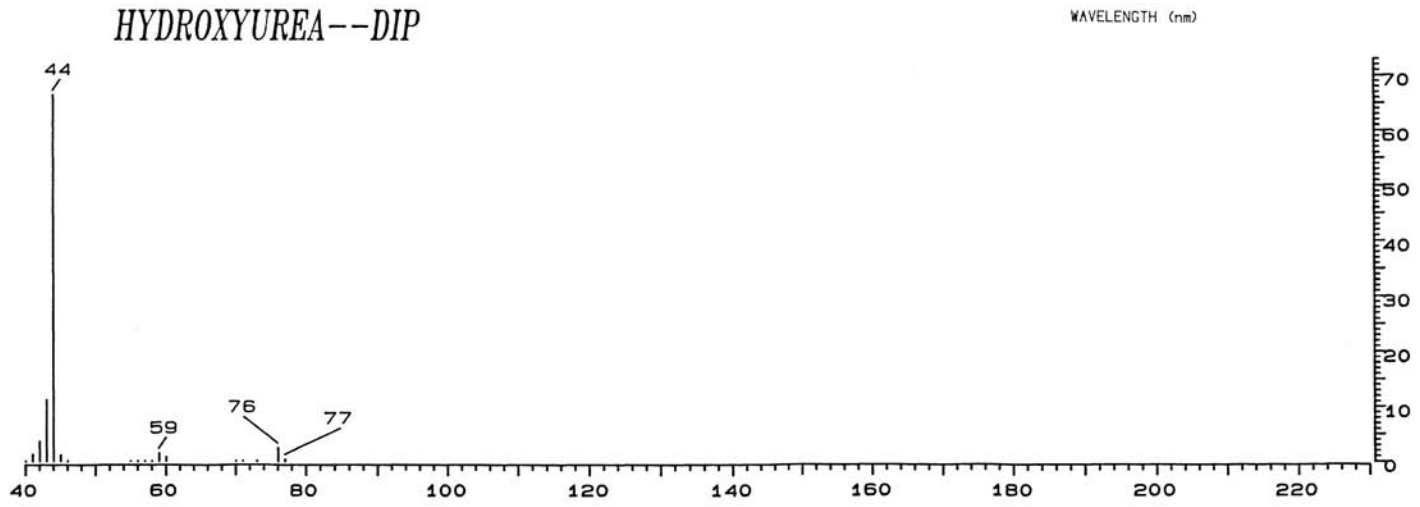
Molecular weight: 76.06 (76.03)
Synonyms: Hydroxycarbamide

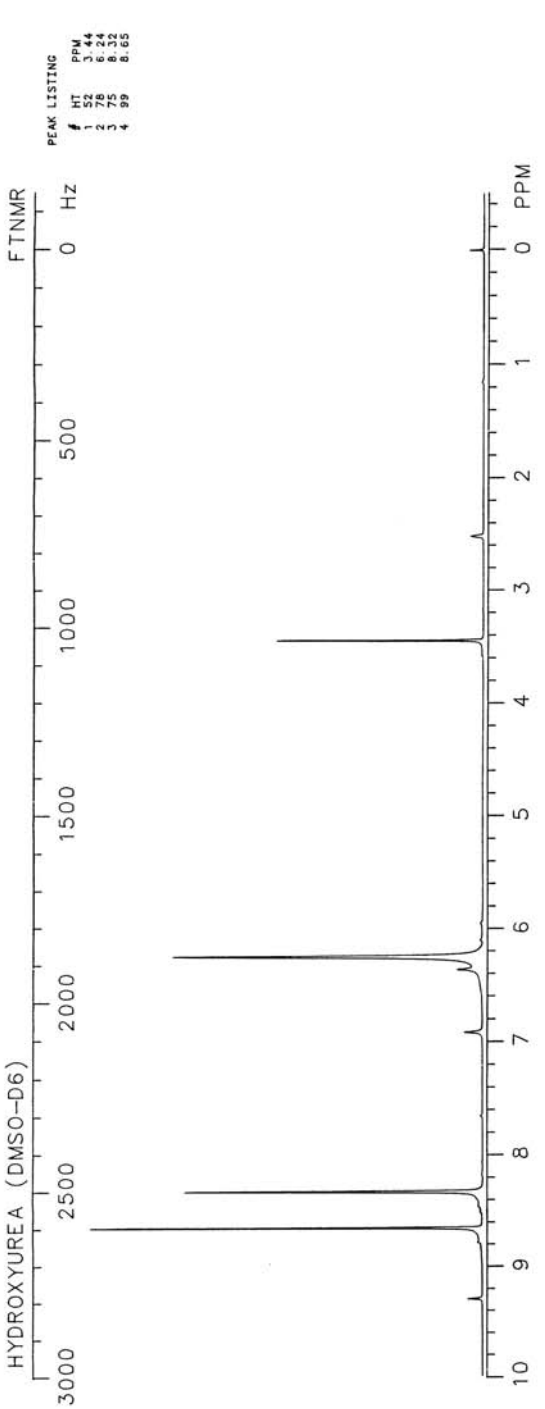
Trade names: Hydrea

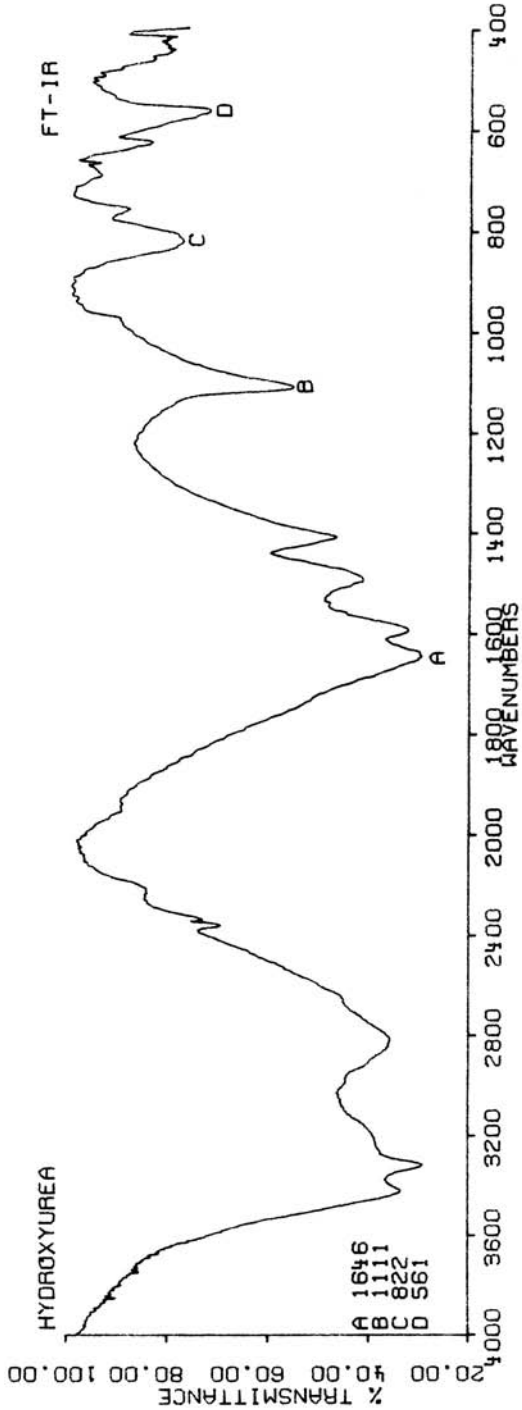
Use: Antineoplastic
HPLC:
GC:








HYDROXYUREA (DMSO-D6)
FTNMR
PEAK LISTING
HT PPM
1 52 3.44
2 78 6.24
3 75 8.32
4 99 8.65
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM


HYDROXYUREA
FT-IR
A 1646
B 1111
C 822
D 561
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

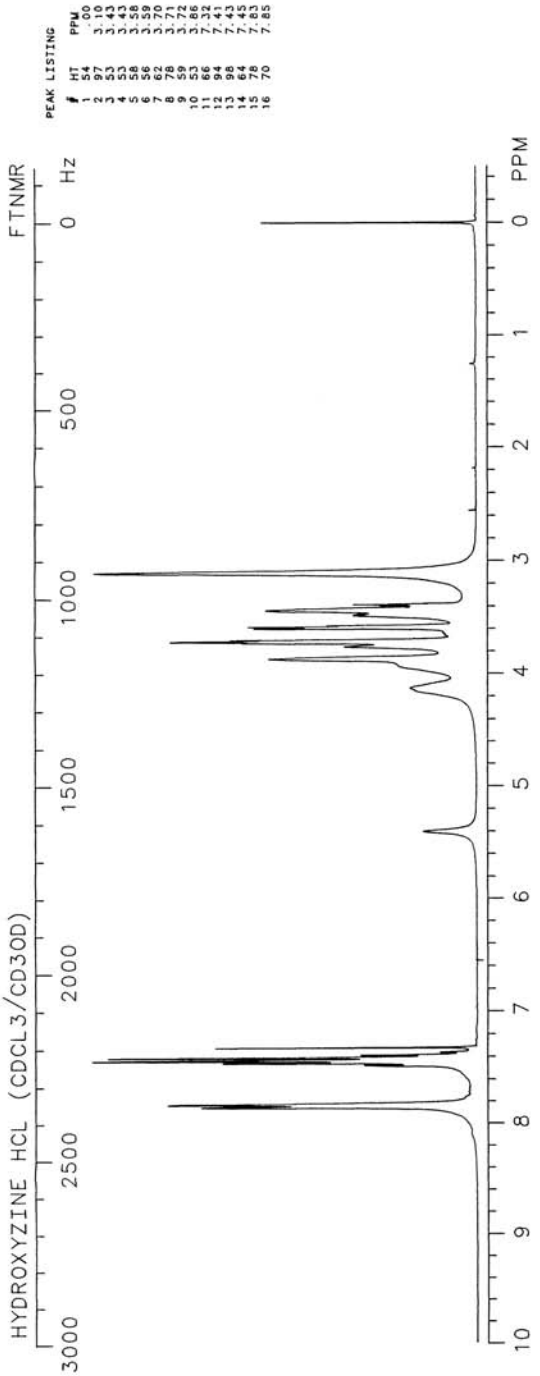
HYDROXYZINE

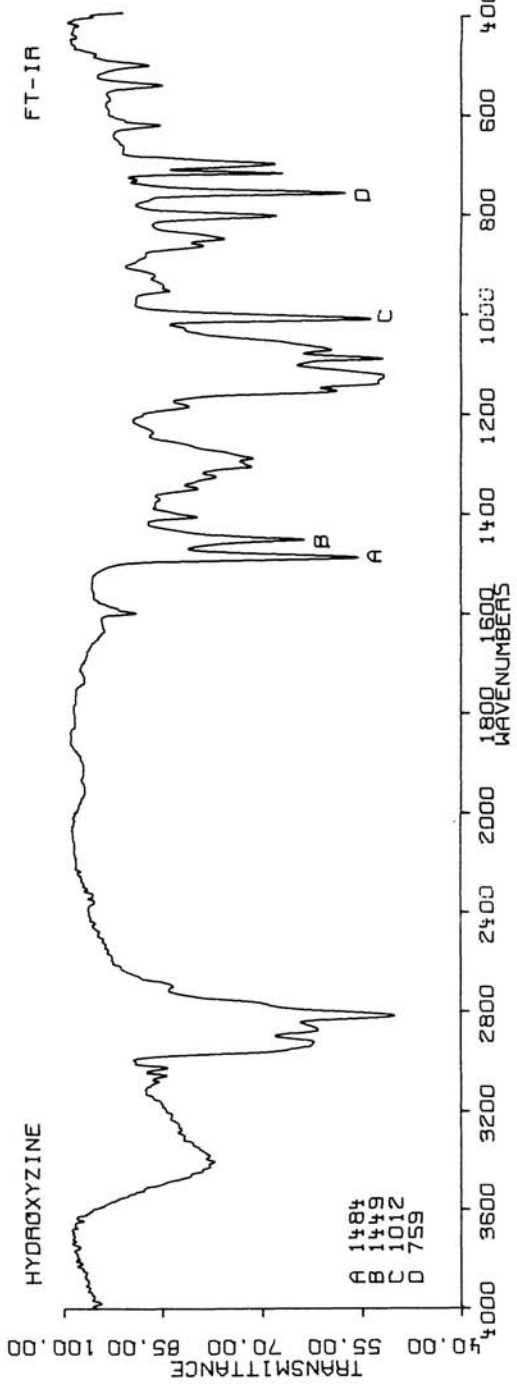
$C_{21}H_{27}ClN_2O_2$

Molecular weight: 374.91 (374.18)
Synonyms: 2-[2-[4-[(4-Chlorophenyl)phenylmethyl]-1-piperazinyl]-ethoxy]ethanol
Trade names: Atarax, Cartrax, Marax, Sedaril, Vistaril

Use: Tranquilizer
HPLC: Si-10; 2A:98B; 10.0
GC: 2934; 280°C

HYDROXYZINE


HYDROXYZINE HCL (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 54 7.00
2 57 3.10
3 57 3.43
4 53 3.43
5 58 3.58
6 56 3.59
7 62 3.70
8 76 3.71
9 59 3.72
10 53 3.86
11 66 7.32
12 94 7.41
13 98 7.43
14 64 7.45
15 78 7.83
16 70 7.85
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM

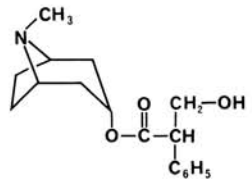

HYDROXYZINE
FT-IR
A 1484
B 1449
C 1012
D 759
A
B
C
D
TRANSMITTANCE
100.00 85.00 70.00 55.00 40.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS

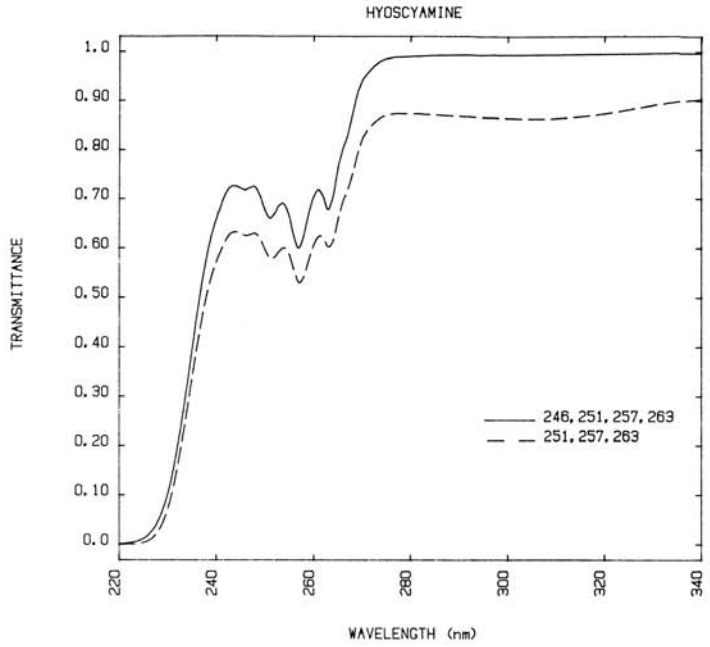
HYOSCYAMINE

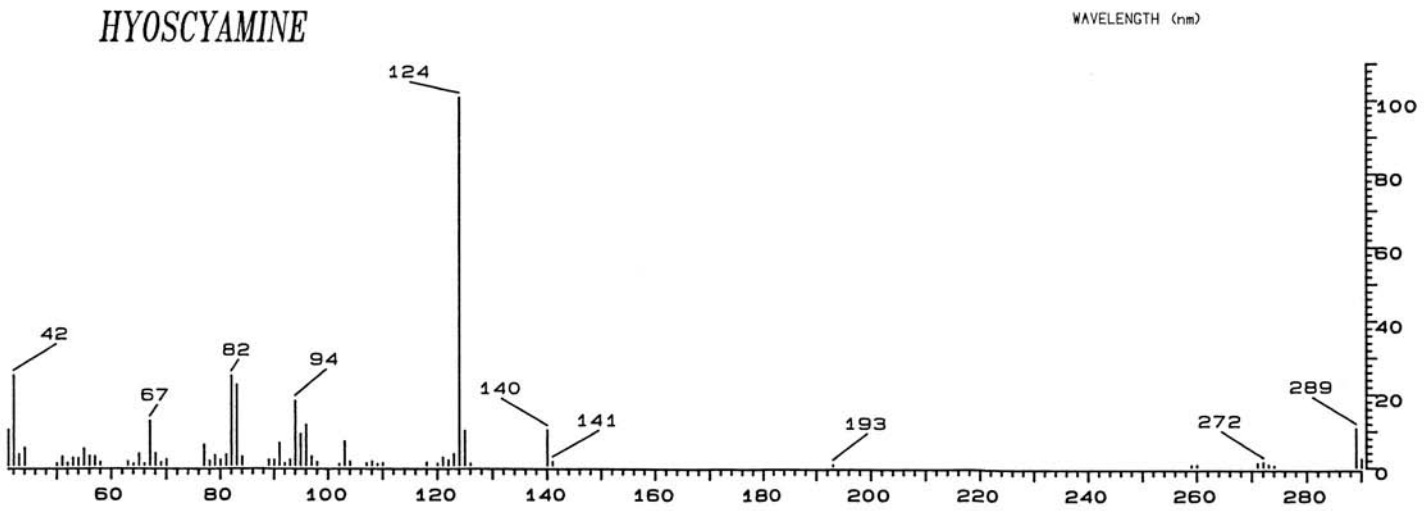
$C_{17}H_{23}NO_3$

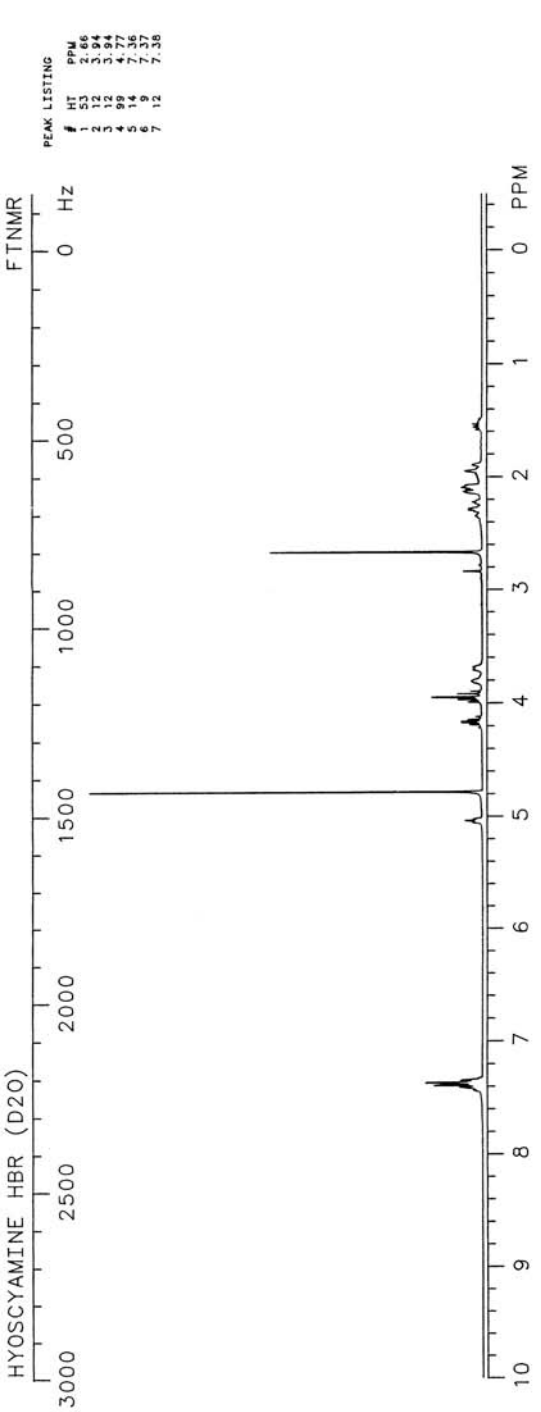
Molecular weight: 289.38 (289.17)
Synonyms: [3(S)-endo]-α(Hydroxymethyl)-benzeneacetic acid-8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester; ℓ-hyoscyamine; duboisine
Trade names: Kutrase, Levsin, Levsinex, Prosed, Urised

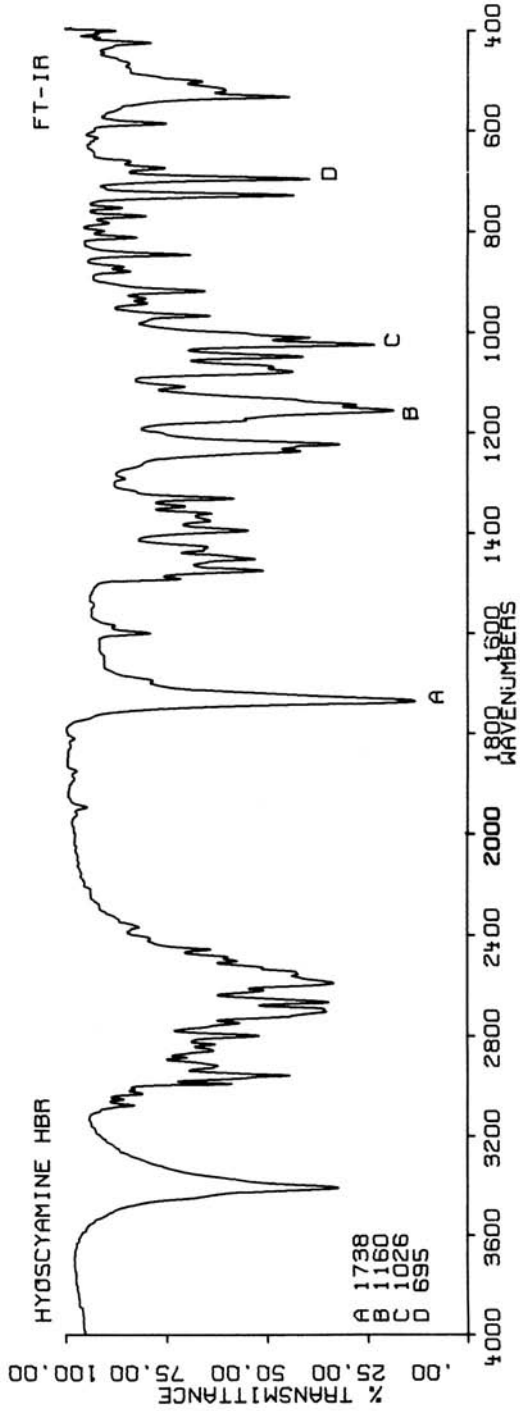
Use: Anticholinergic
HPLC:
GC: 2256; 250°C








HYOSCYAMINE HBR (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 55 2.66
2 12 3.94
3 12 3.94
4 99 4.77
5 14 7.36
6 9 7.37
7 12 7.38

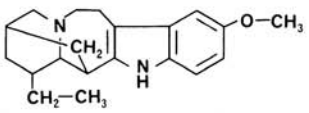

HYOSCYAMINE HBR
FT-IR
% TRANSMITTANCE
.00 25.00 50.00 75.00 100.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1738
B 1160
C 1026
D 695
A
B
C
D

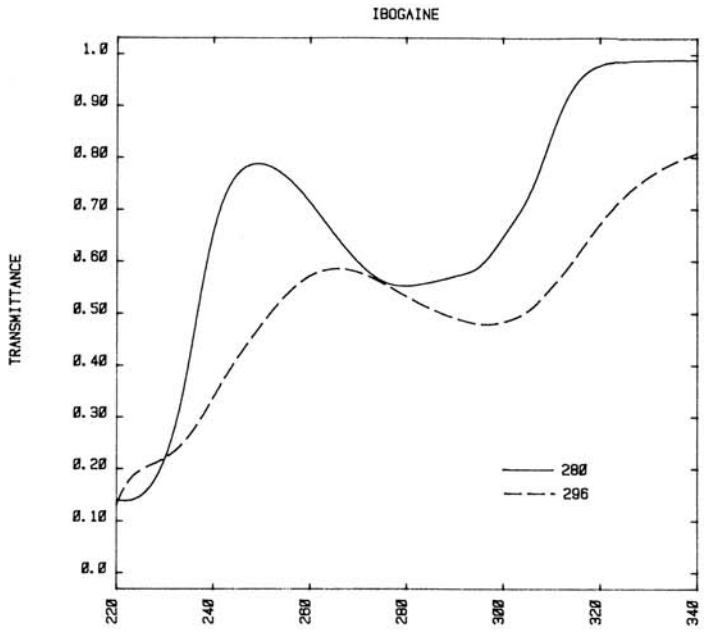
IBOGAINE

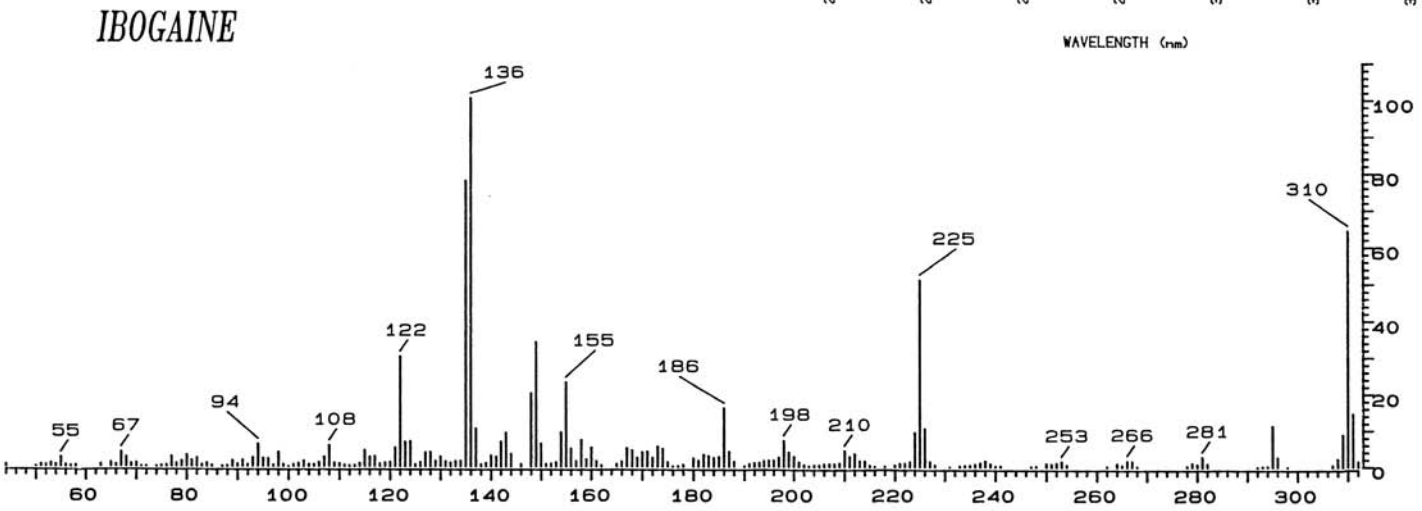
$C_{20}H_{26}N_2O$

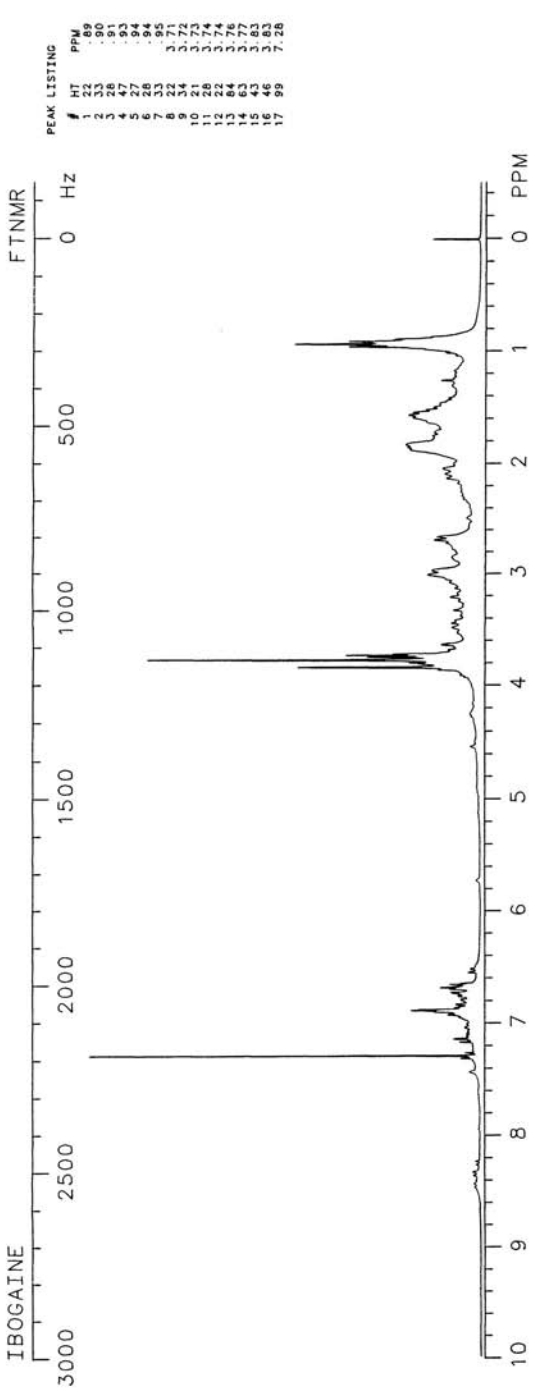
Molecular weight: 310.44 (310.20)
Synonyms: 7-Ethyl-6,6a,7,8,9,10,12,13-octahydro-2-methoxy-6,9-methano-5H-pyrido[1,2-a]azepino-[4.5-b]indole
Trade names:

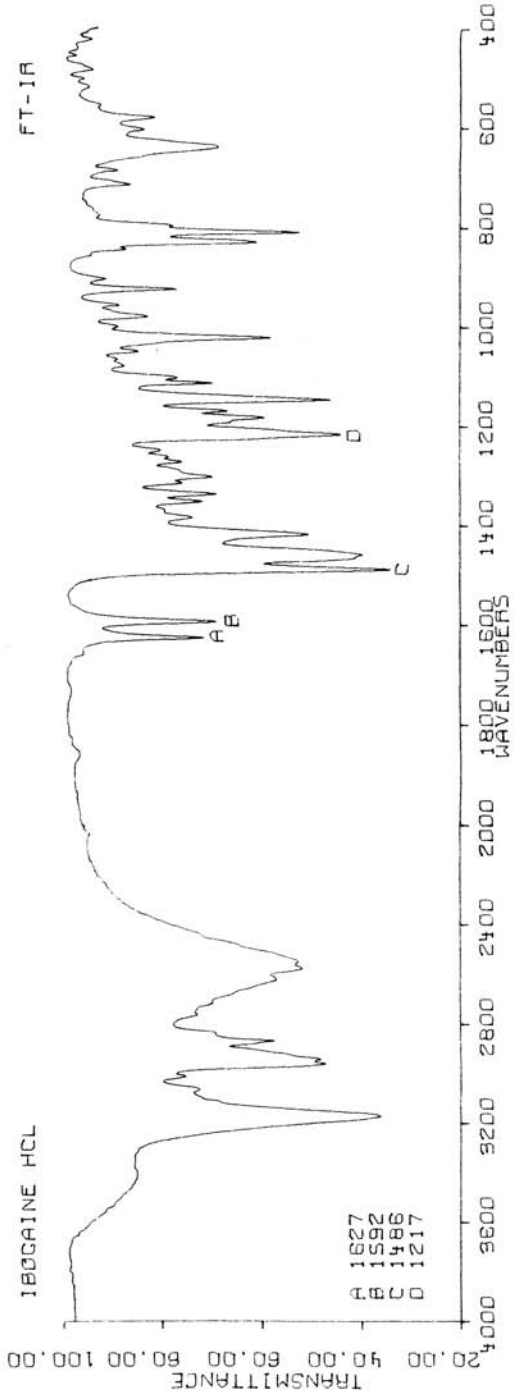
Use: Antidepressant
HPLC: Si-10; 50A:50B; 4.0
GC: 2958; 280°C








IBOGAINE
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 33 .90
3 28 .91
4 47 .93
5 27 .94
6 28 .94
7 33 .95
8 22 3.71
9 34 3.72
10 21 3.73
11 26 3.74
12 22 3.74
13 84 3.76
14 63 3.77
15 43 3.83
16 46 3.83
17 99 7.28

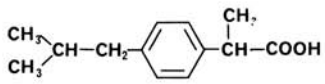

IBOGAINE HCL
FT-IR
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1627
B 1592
C 1486
D 1217
A
B
C
D

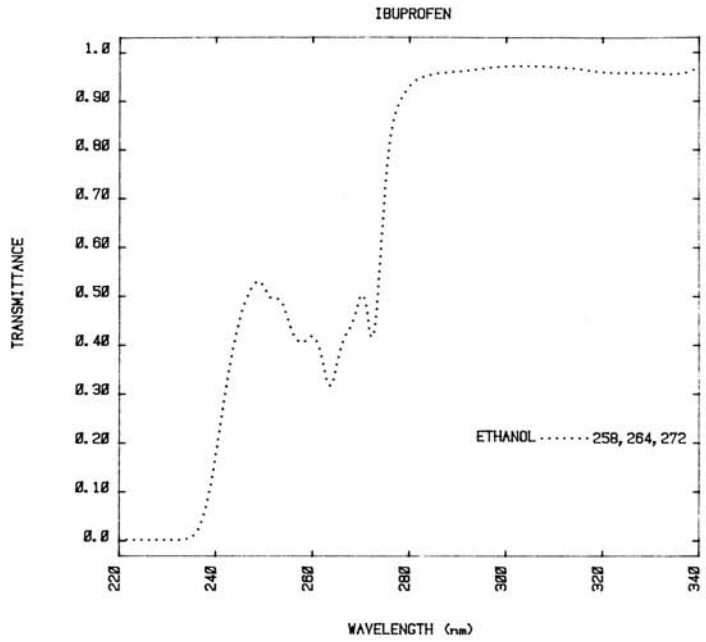
IBUPROFEN

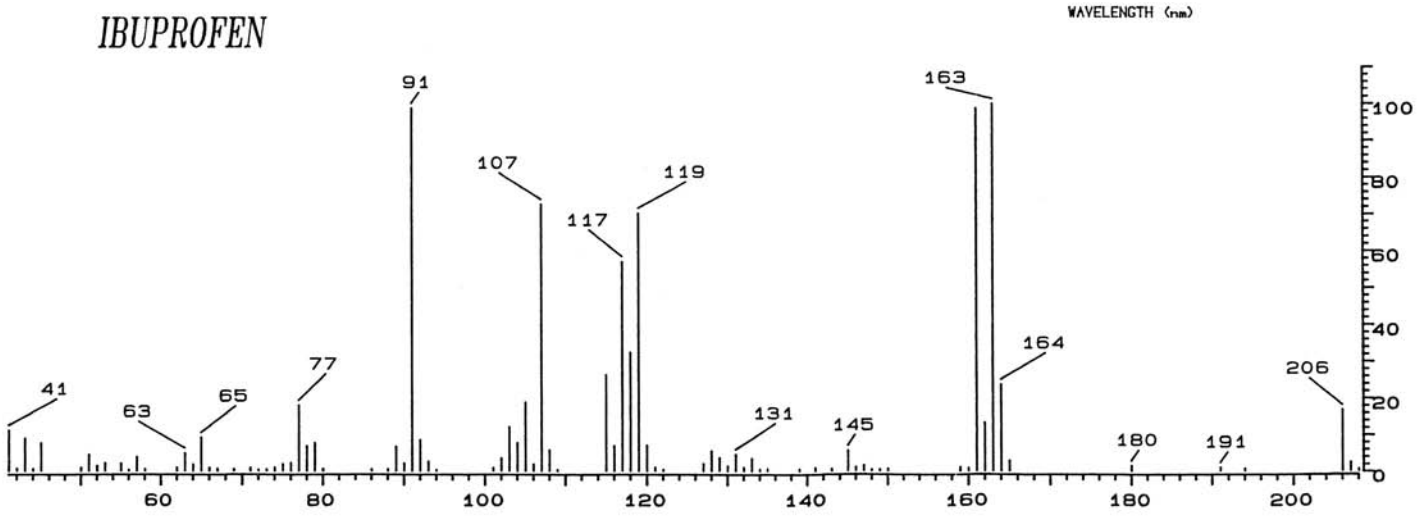
$C_{13}H_{18}O_2$

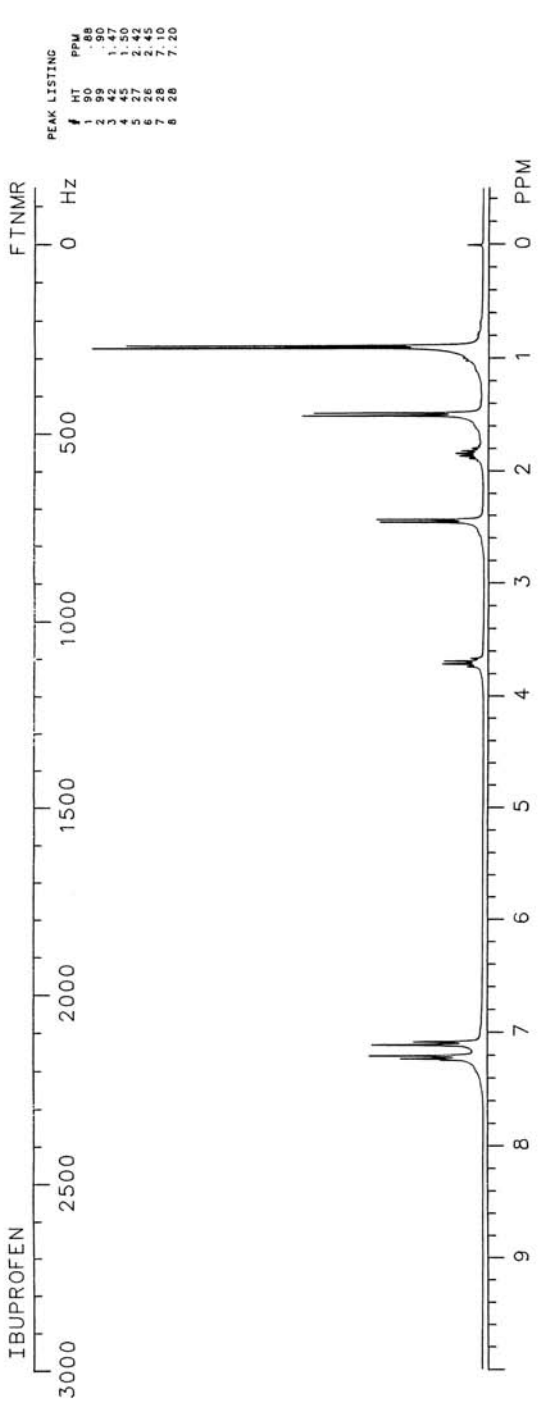
Molecular weight: 206.26 (206.13)
Synonyms: α-Methyl-4-(2-methylpropyl)benzeneacetic acid;
2-(4-isobutylphenyl)propionic acid
Trade names: Motrin

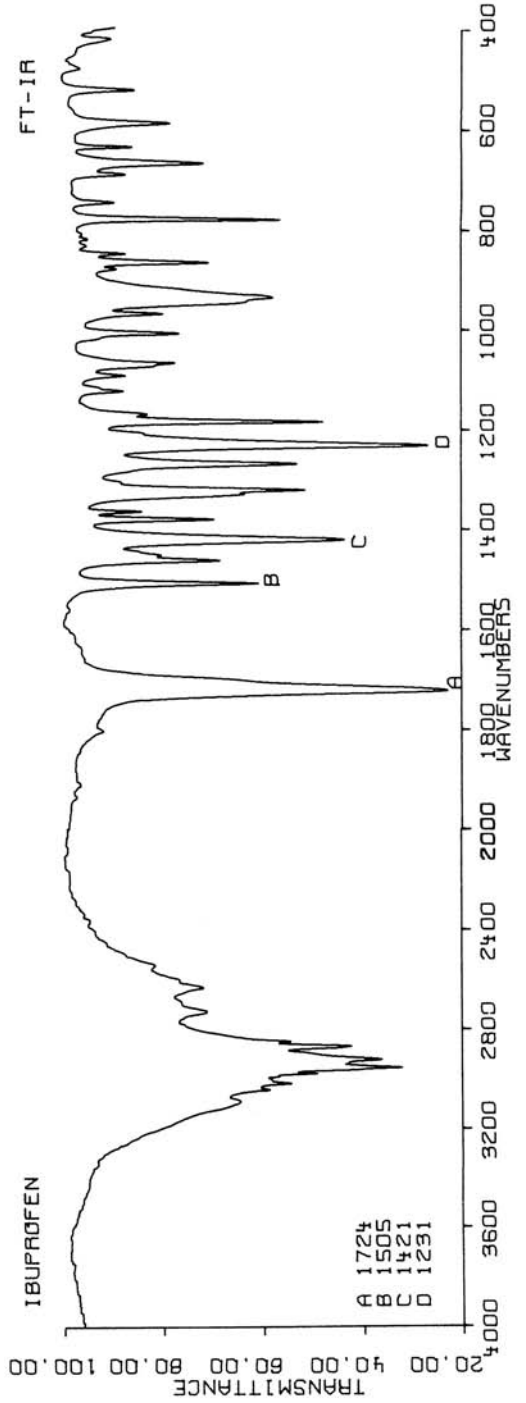
Use: Anti-inflammatory
HPLC: Si-10; 20A:80B; 4.0
GC: 1621; 200°C







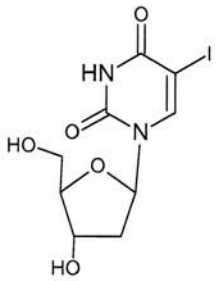

IBUPROFEN
FTNMR
3000
2500
2000
1500
1000
500
0 Hz
9
8
7
6
5
4
3
2
1
0 PPM
PEAK LISTING
HT PPM
1 90 .88
2 99 .90
3 42 1.47
4 45 1.50
5 27 2.42
6 26 2.45
7 28 7.10
8 28 7.20

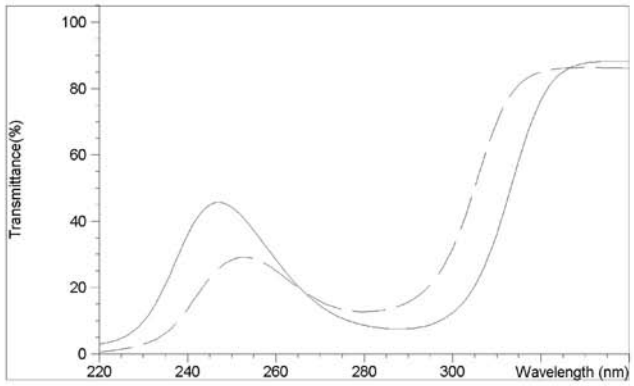

IBUPROFEN
FT-IR
TRANSMITTANCE
100.00
80.00
60.00
40.00
20.00
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
WAVENUMBERS
A 1724
B 1505
C 1421
D 1231
A
B
C
D

IDOXURIDINE

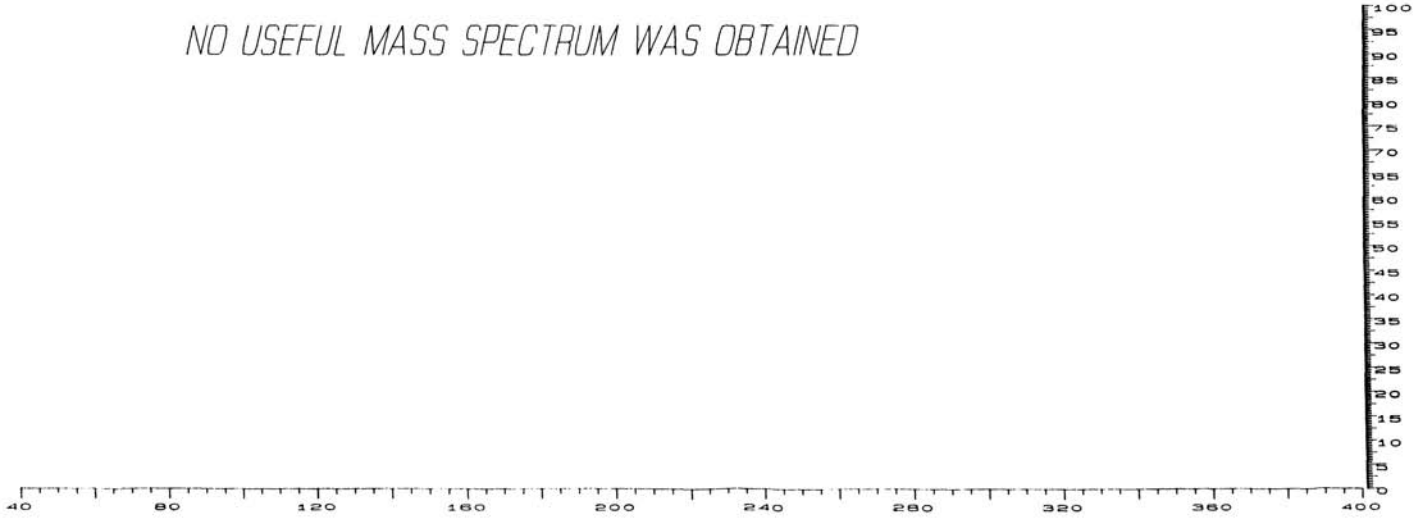
$C_9H_{11}IN_2O_5$

Molecular Weight: 354.10 (353.97)
Synonyms: 2'-Deoxy-5-iodouridine; 1-(2-deoxy-β-D-ribofuranosyl)-5-iodouracil
Trade names: Idu, Dendrid, Emanil, Herplex, Virudox
Use: Antiviral



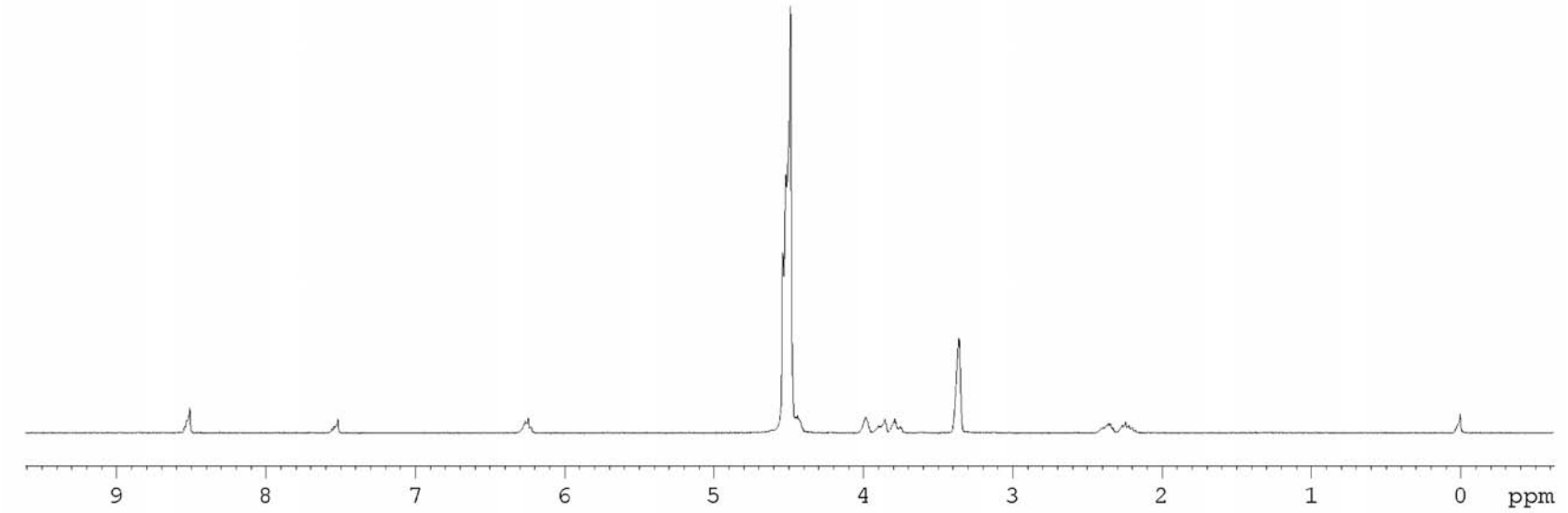


NO USEFUL MASS SPECTRUM WAS OBTAINED

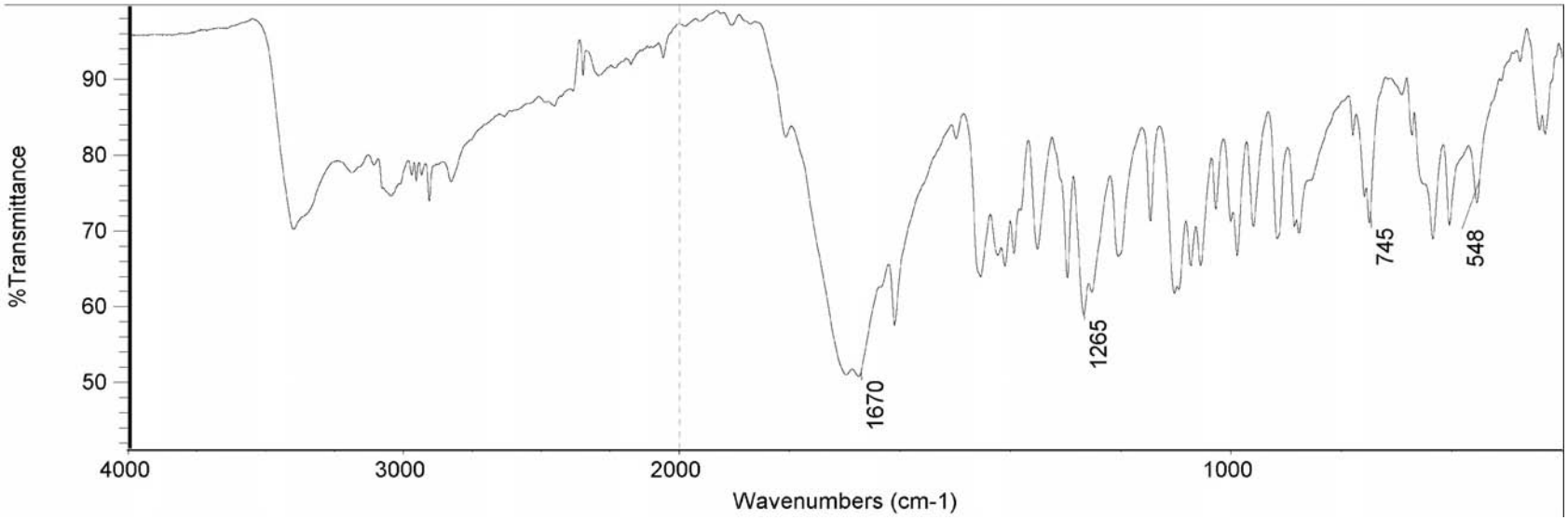


IDOXURIDINE

FTNMR



FT-IR



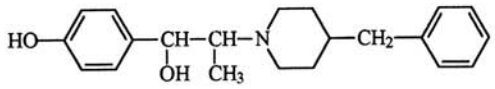
IFENPRODIL

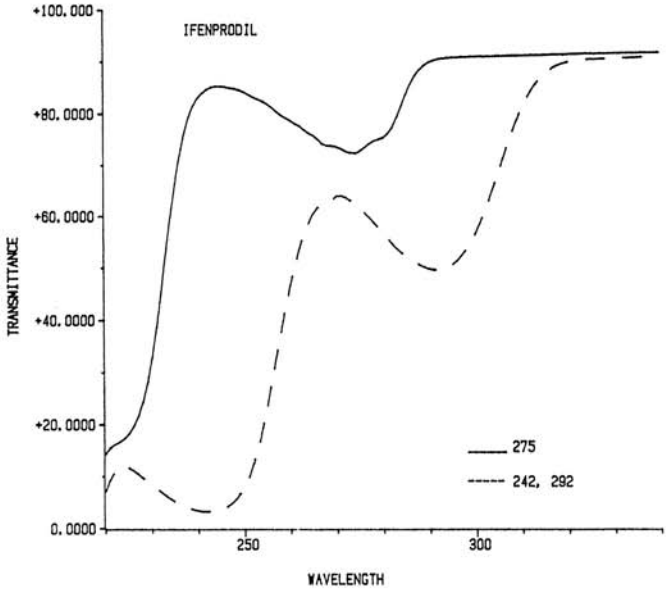
$C_{21}H_{27}NO_2$

Molecular Weight: 325.45 (325.20)

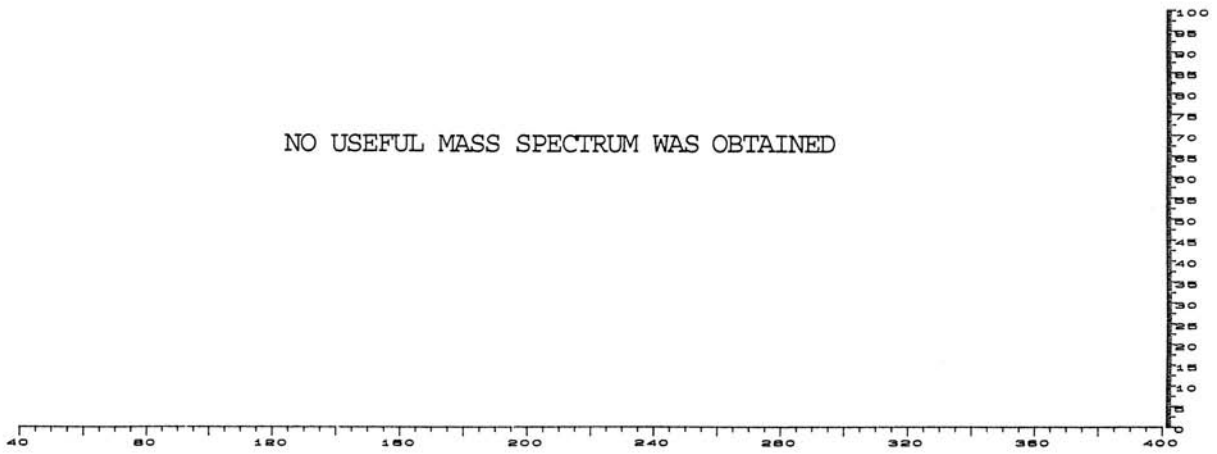
Synonyms: α-(4-Hydroxyphenyl)-β-methyl-4-(phenylmethyl)-1-piperidineethanol
Trade Names: Cerocral, Dilvax, Vadilex, Validex
Use: Vasodilator

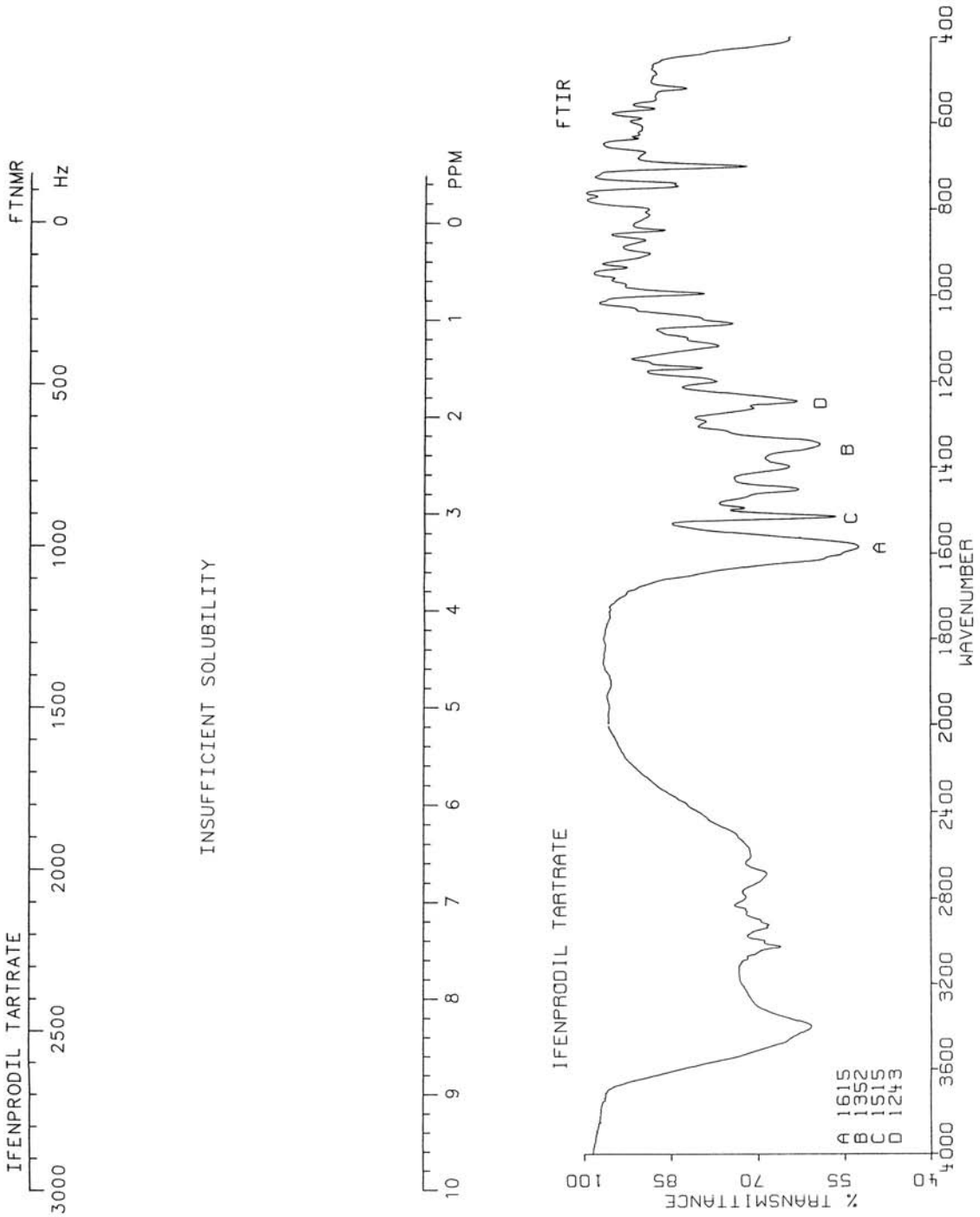
HPLC: Methanol: 2.3
GC:





NO USEFUL MASS SPECTRUM WAS OBTAINED




IFENPRODIL TARTRATE
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
INSUFFICIENT SOLUBILITY
10 9 8 7 6 5 4 3 2 1 0 PPM
IFENPRODIL TARTRATE
FTIR
A 1615
B 1352
C 1515
D 1243
% TRANSMITTANCE
100 85 70 55 40
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER

IFOSFAMIDE

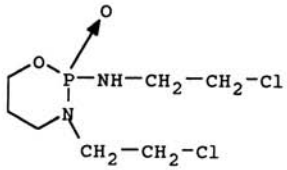
$C_7H_{15}Cl_2N_2O_2P$

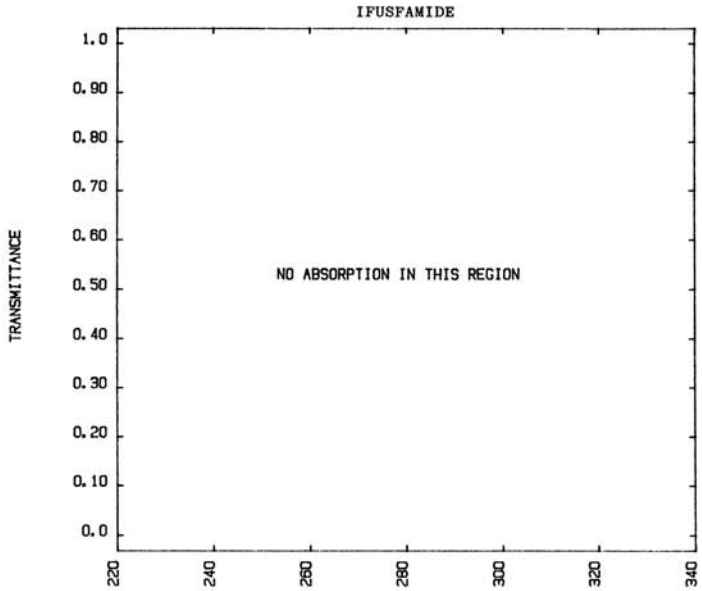
Molecular weight: 261.07 (260.02)

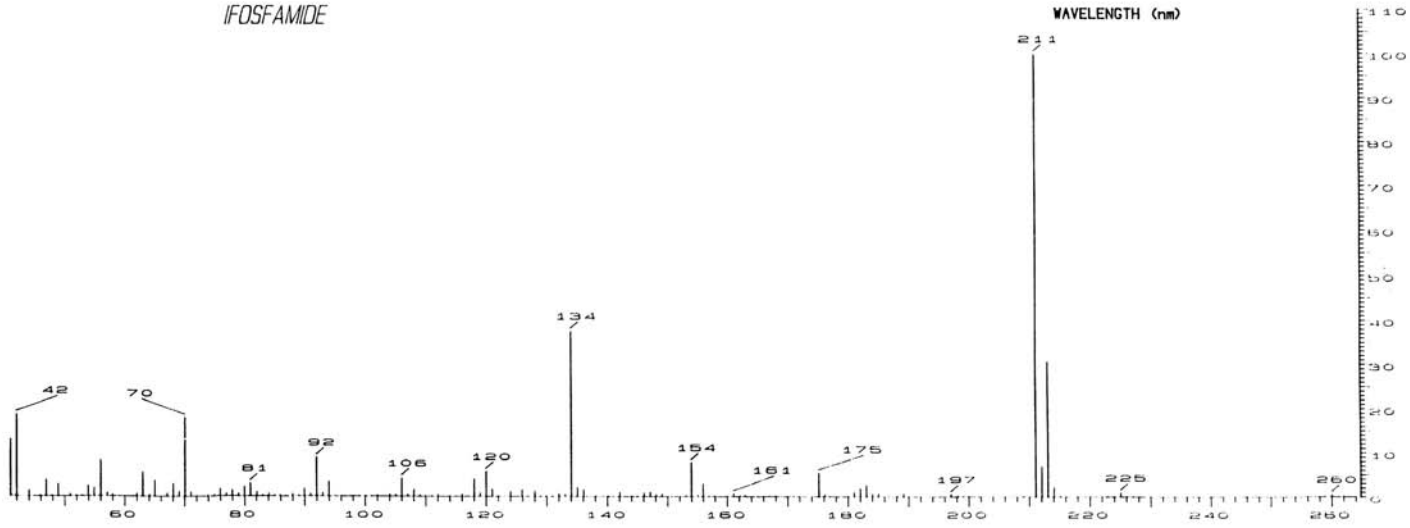
Synonyms: N-3-Bis(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine-2-oxide; isoendoxan; isophosphamide

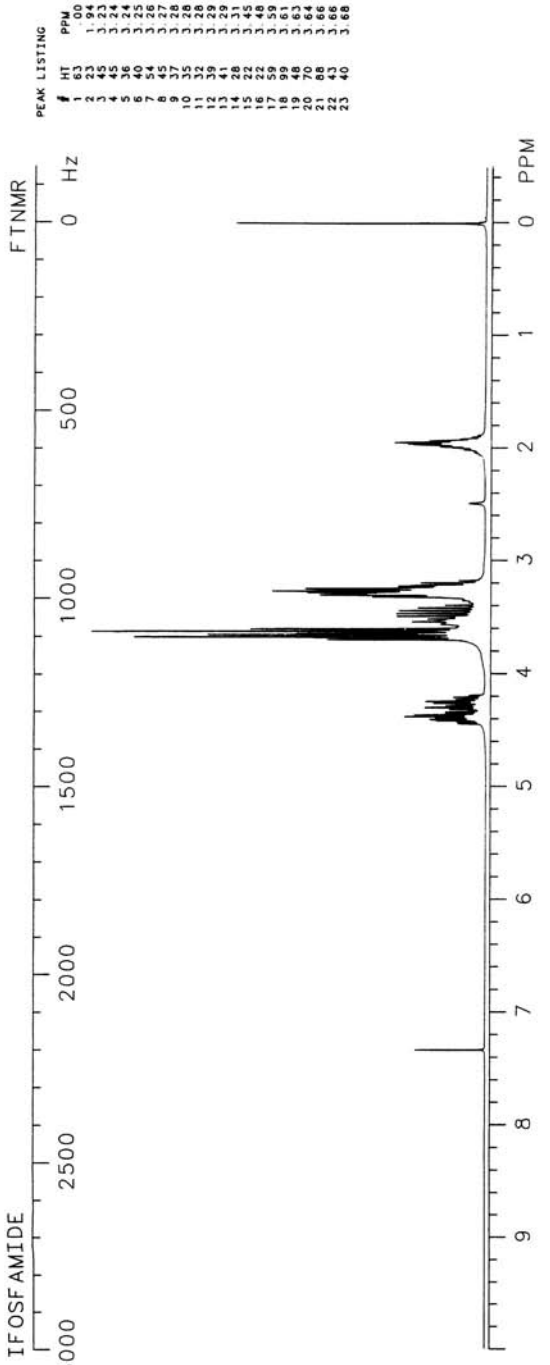
Trade names: Cyfos, Holoxan, Ifes, Mitoxana, Naxamide

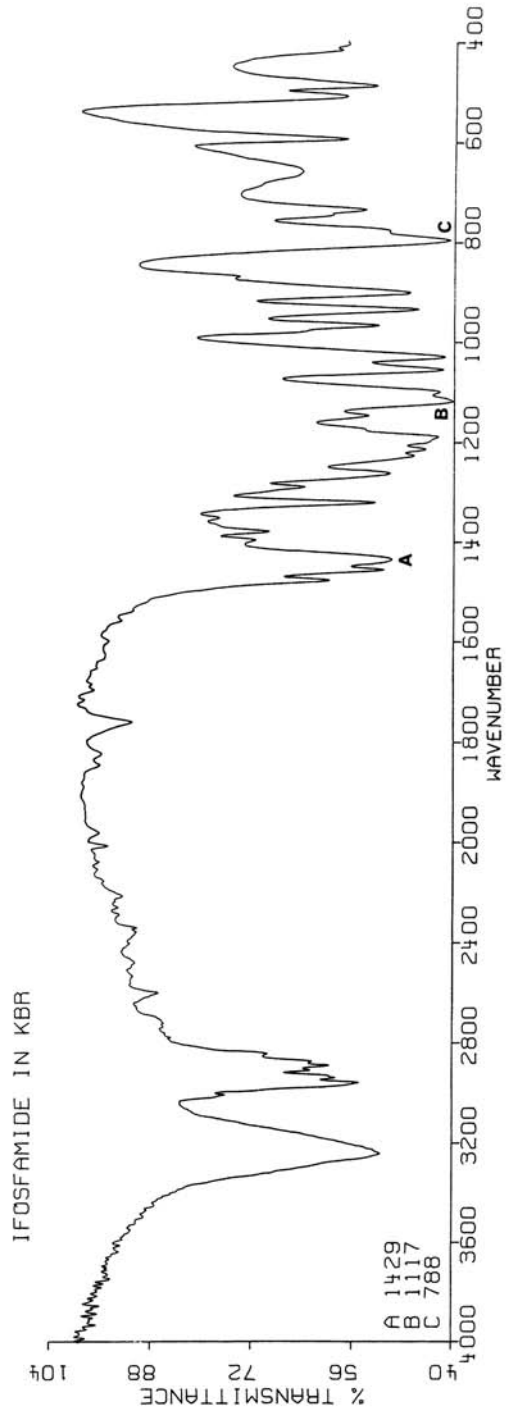
Use: Antineoplastic
HPLC: 90A:10B; 4.0
GC: 1989; 200°








IFOSFAMIDE
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 63 1.00
2 23 1.94
3 45 3.23
4 45 3.24
5 36 3.24
6 40 3.25
7 54 3.26
8 45 3.27
9 37 3.28
10 35 3.28
11 32 3.28
12 39 3.29
13 41 3.29
14 28 3.31
15 22 3.45
16 22 3.48
17 59 3.59
18 99 3.61
19 46 3.63
20 70 3.64
21 68 3.66
22 43 3.66
23 40 3.68


IFOSFAMIDE IN KBR
% TRANSMITTANCE
WAVENUMBER
104
88
72
56
40
4000
3600
3200
2800
2400
2000
1800
1600
1400
1200
1000
800
600
400
A 1429
B 1117
C 788
A
B
C

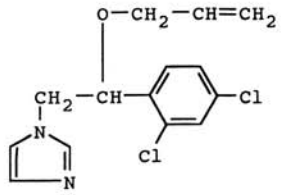
IMAZALIL

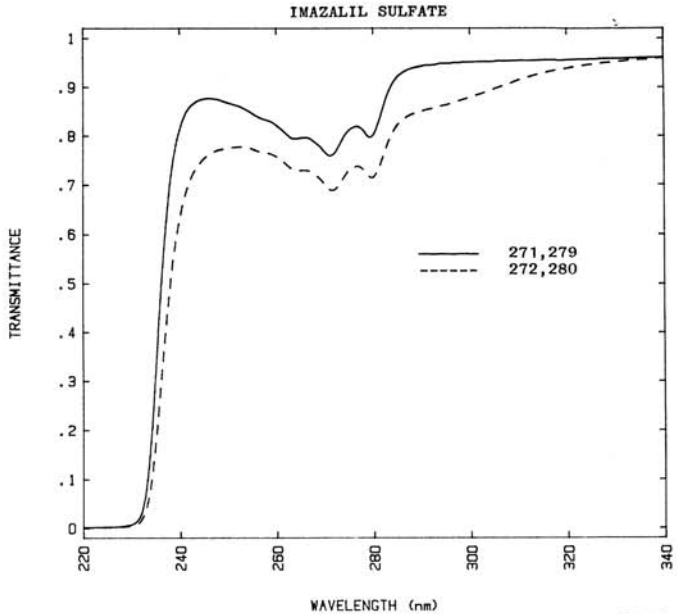
$C_{14}H_{14}Cl_2N_2O$

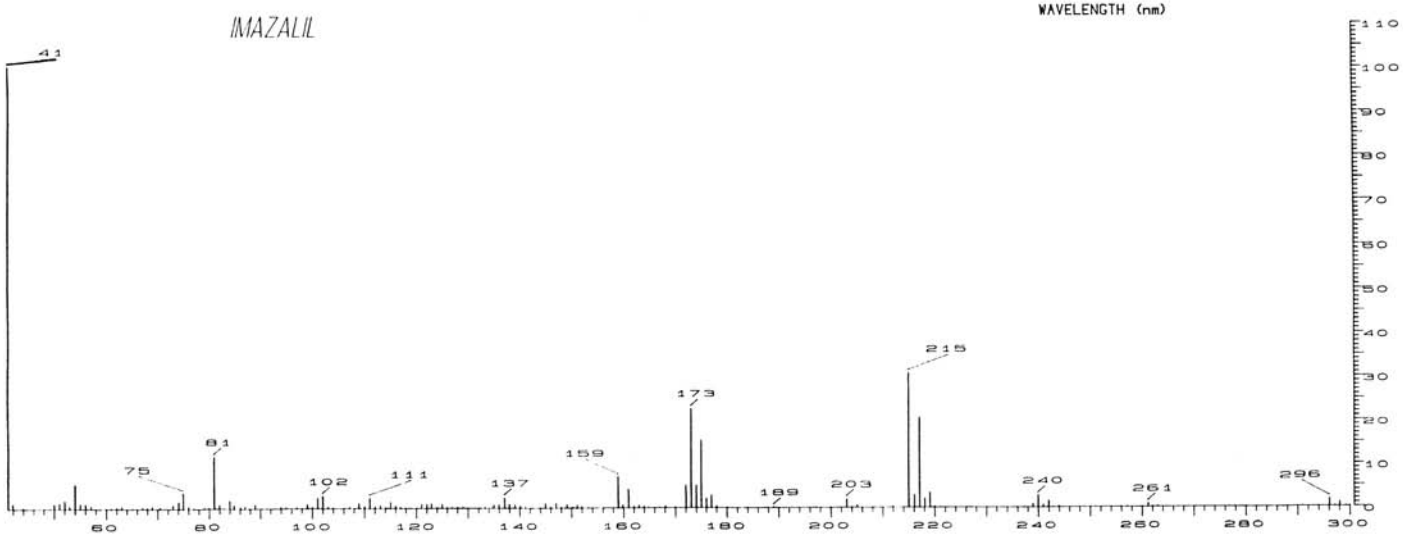
Molecular weight: 297.17 (296.05)

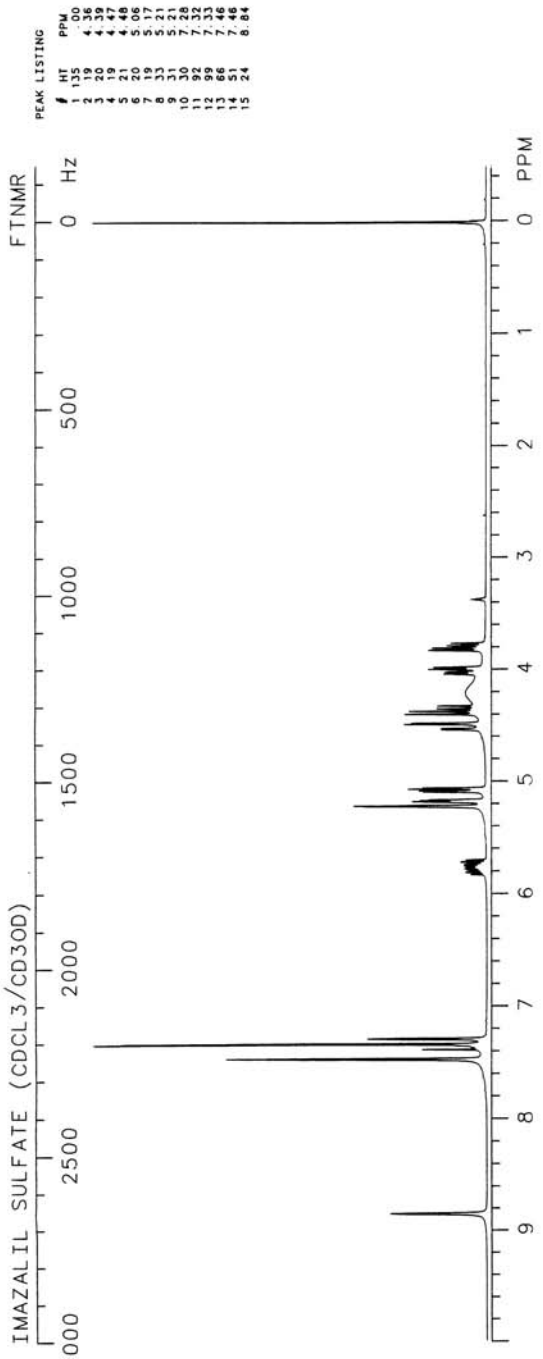
Synonyms: 1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole; enilconazole
Trade names: Imaverol

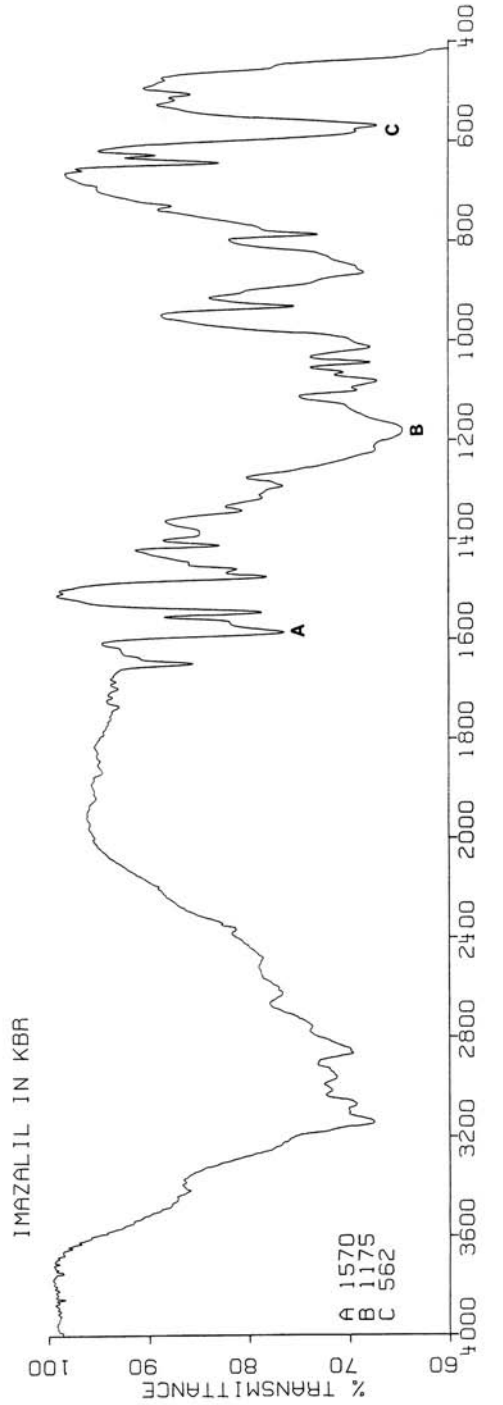
Use: Antifungal
HPLC: 90A:10B; 3.0
GC: 2180; 250°








IMAZALIL SULFATE (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
1 135 .00
2 19 4.36
3 20 4.39
4 19 4.47
5 21 4.48
6 20 5.06
7 19 5.17
8 33 5.21
9 31 5.21
10 10 7.28
11 92 7.32
12 99 7.33
13 66 7.46
14 51 7.46
15 24 8.84

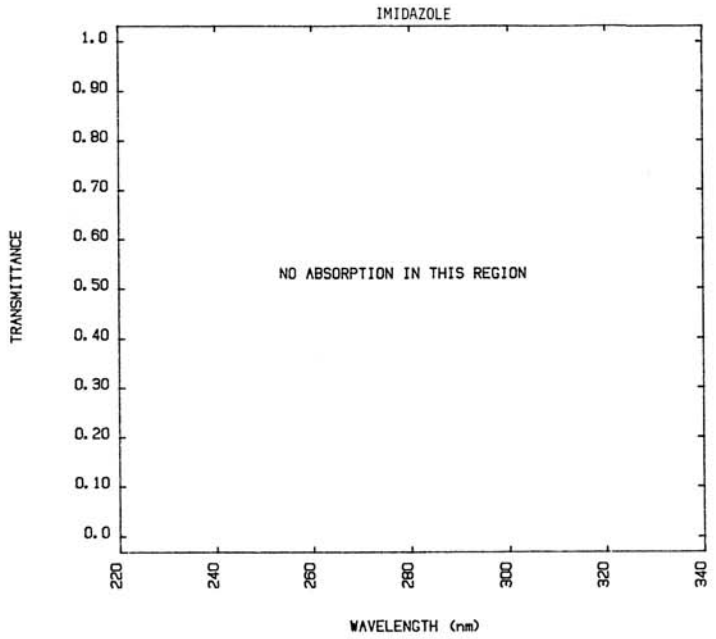

IMAZALIL IN KBR
% TRANSMITTANCE
100 90 80 70 60
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
A 1570
B 1175
C 562
A
B
C

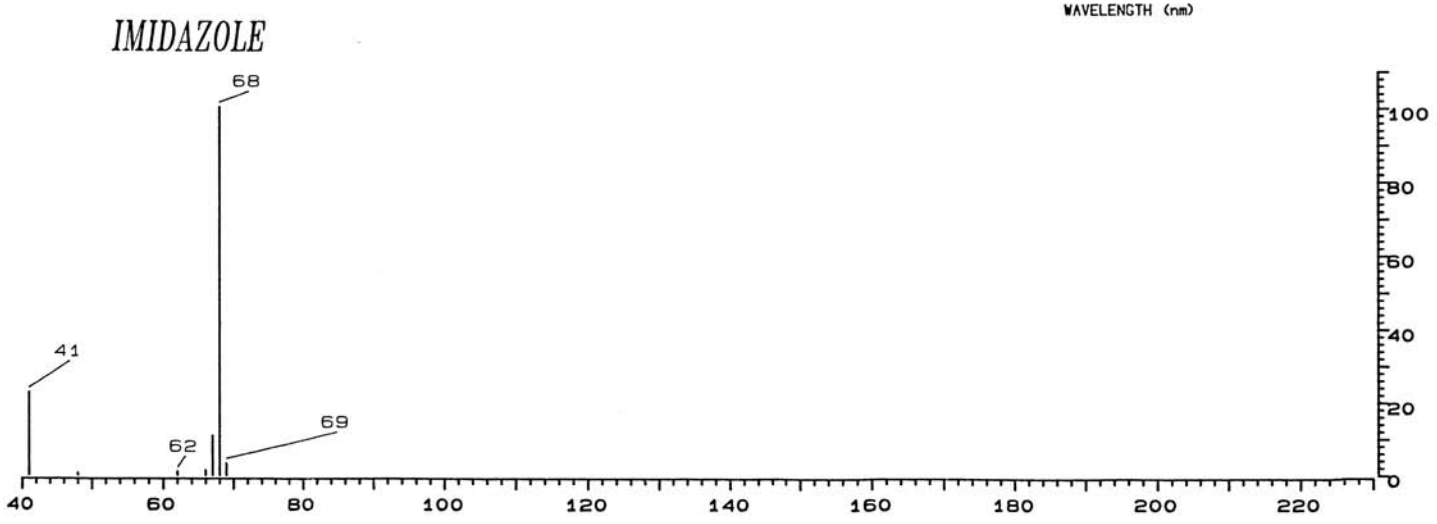
IMIDAZOLE

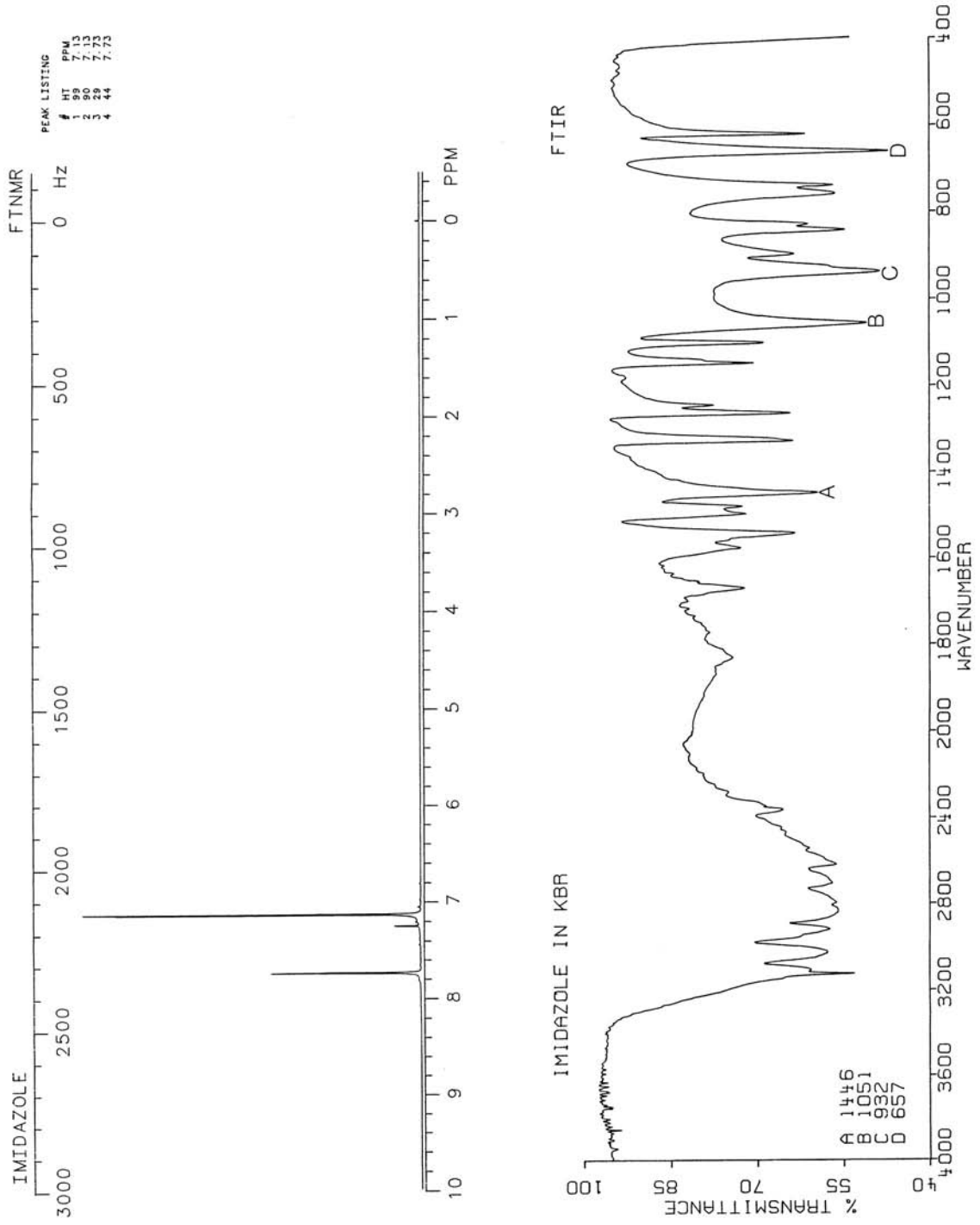
$C_3H_4N_2$

Molecular weight: 68.08 (68.04)
Synonyms: Glyoxaline; 1,3-diazole; iminazole; miazole; pyrro[b]monazole; 1,3-diaza-2,4-cyclopentadiene
Trade names:

Use: Synthesis
HPLC: Si-10; 5A:95B; 6.1
GC: 1020; 140°C



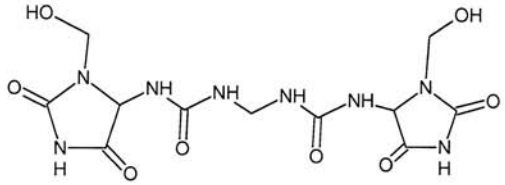


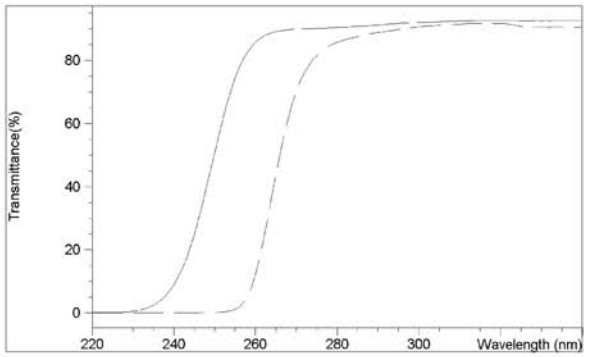

IMIDAZOLE
FTNMR
PEAK LISTING
HT PPM
1 99 7.13
2 90 7.13
3 29 7.73
4 44 7.73
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
IMIDAZOLE IN KBR
FTIR
A 1446
B 1051
C 932
D 657
100 85 70 55 40 % TRANSMITTANCE
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400 WAVENUMBER

IMIDUREA

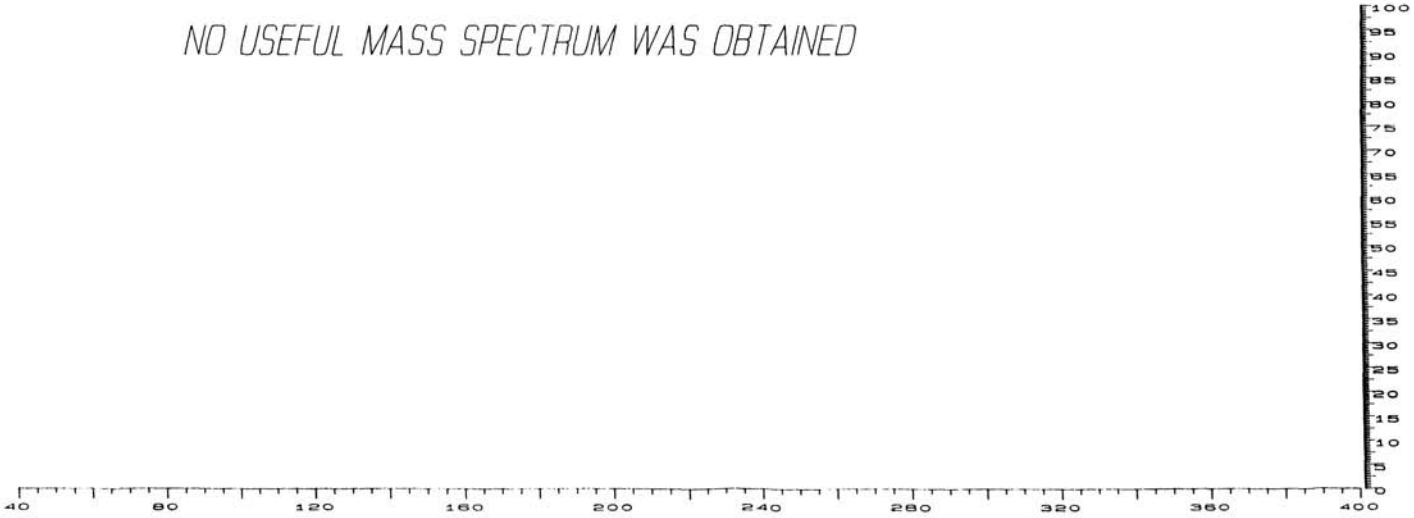
$C_{11}H_{16}N_8O_8$

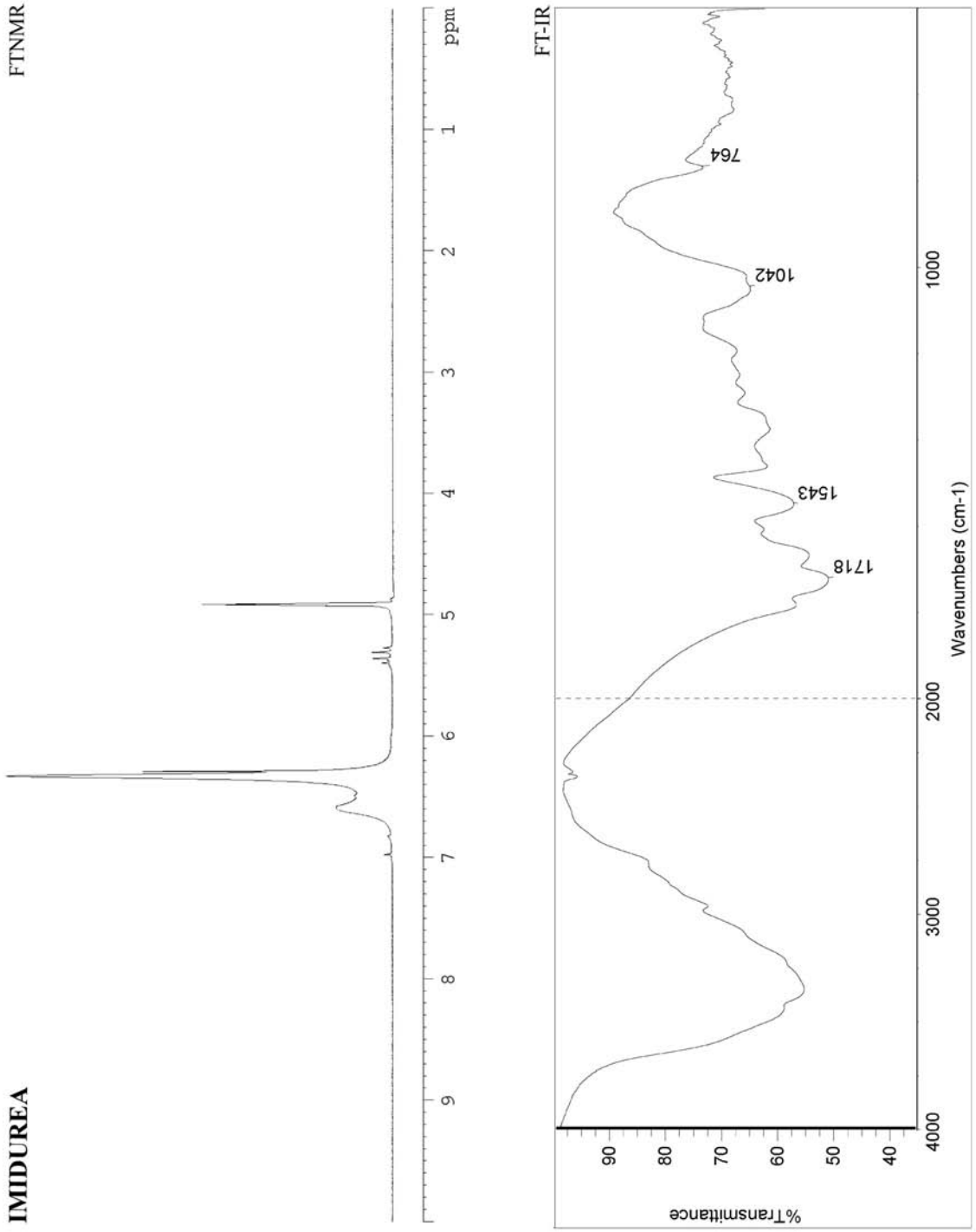
Molecular Weight: 388.29 (388.11)
Synonyms: N,N"-Methylenebis[N'-[3-(hydroxymethyl)-2,5-dioxo-4-imidazolidinyl]urea]; imidazolidinyl urea
Trade names: Abiol, Biopure 100, Germall 115, Sepicide CI, Unicide U-13
Use: Antimicrobial preservative in cosmetics and topical preparations.





NO USEFUL MASS SPECTRUM WAS OBTAINED




IMIDUREA
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)
764
1042
1543
1718

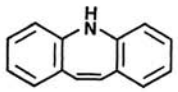
IMINOSTILBENE

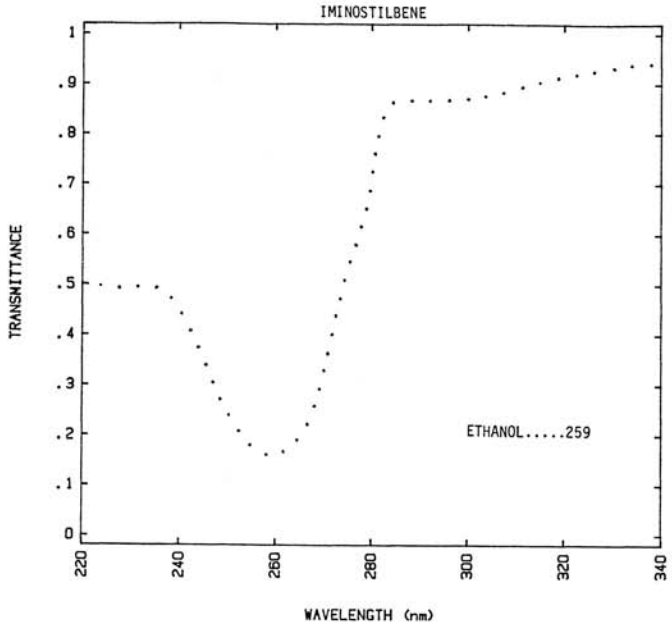
$C_{14}H_{11}N$

Molecular weight: 193.25 (193.09)
Synonyms: 5H-dibenz[b,f]azepine

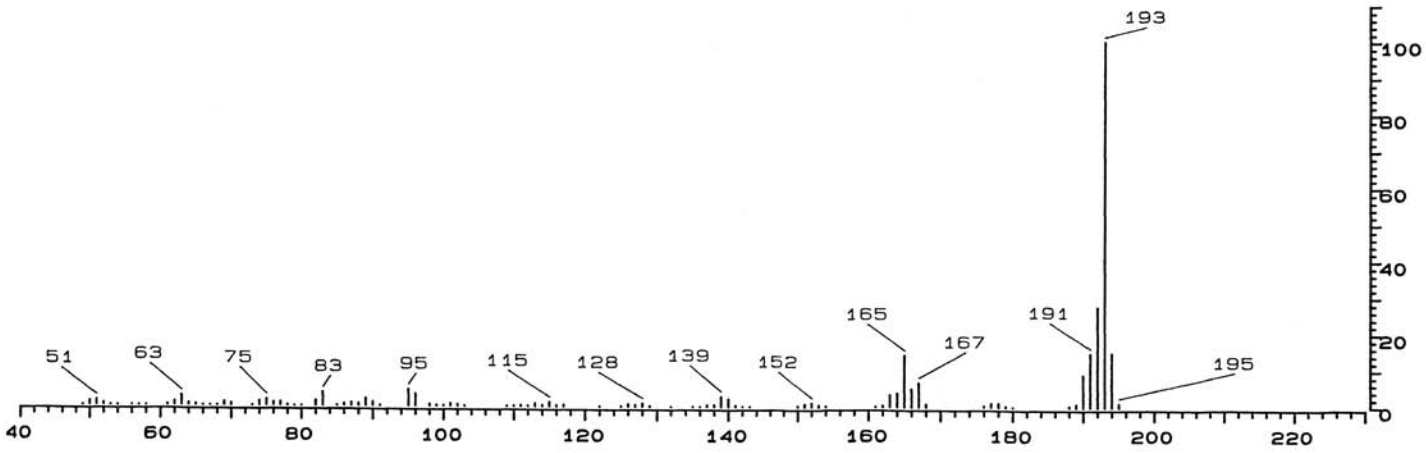
Trade names:

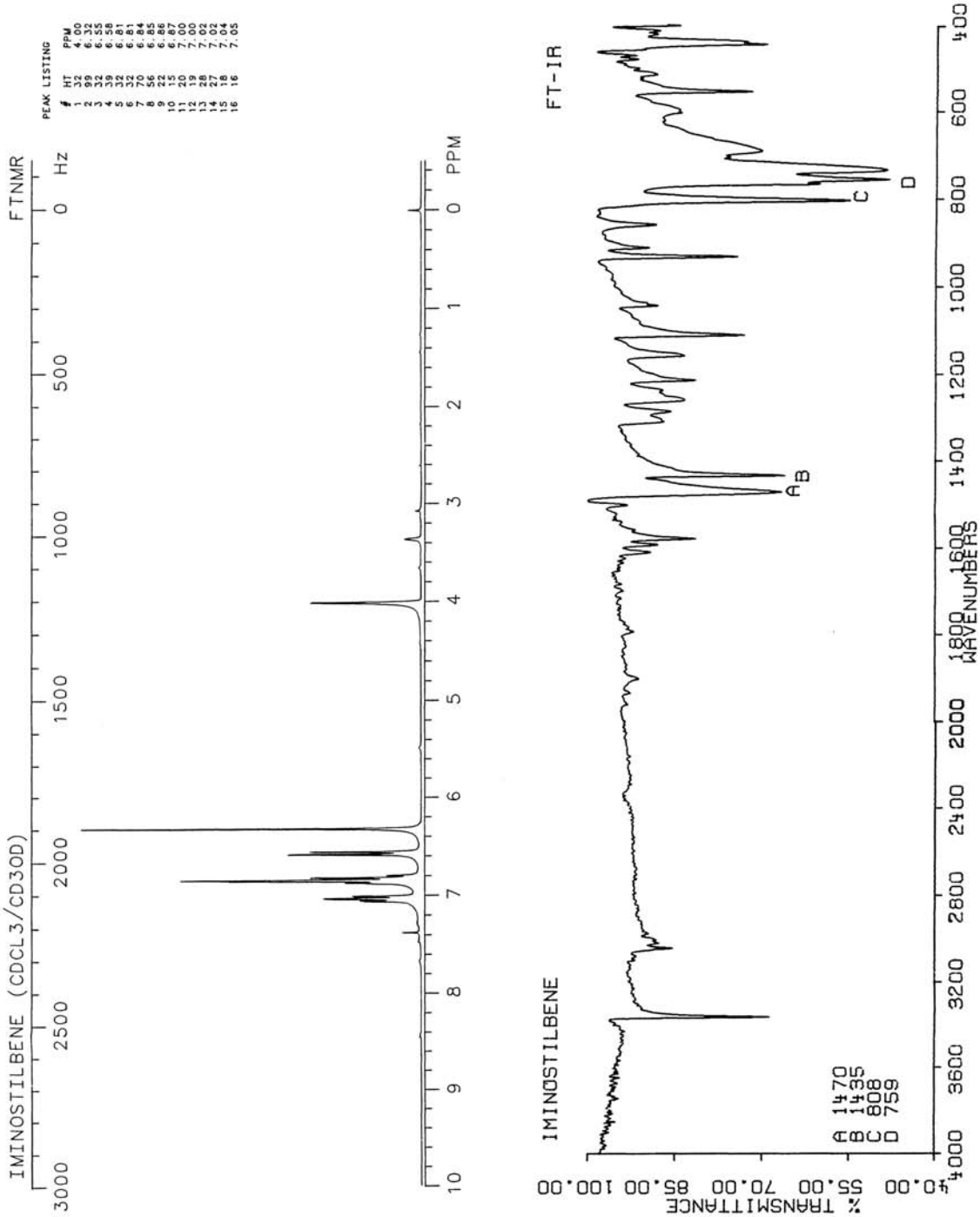
Use: Metabolite of carbamazepine
HPLC:
GC: 2026; 200°C





IMINOSTILBENE

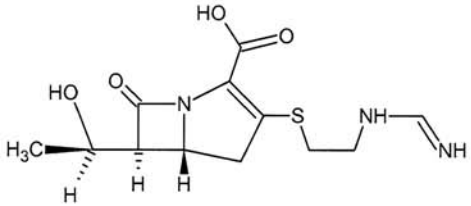


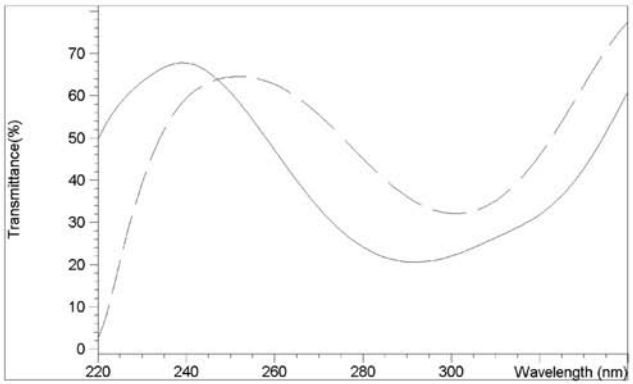

IMINOSTILBENE (CDCL3/CD3OD)
FTNMR
3000 2500 2000 1500 1000 500 0 Hz
0 1 2 3 4 5 6 7 8 9 10 PPM
PEAK LISTING
HT PPM
1 32 4.00
2 99 6.32
3 32 6.55
4 39 6.58
5 39 6.61
6 32 6.81
7 70 6.84
8 56 6.85
9 22 6.86
10 15 6.87
11 20 7.00
12 19 7.00
13 28 7.02
14 27 7.02
15 18 7.04
16 16 7.05
IMINOSTILBENE
FT-IR
A 1470
B 1435
C 808
D 759
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

IMIPENEM

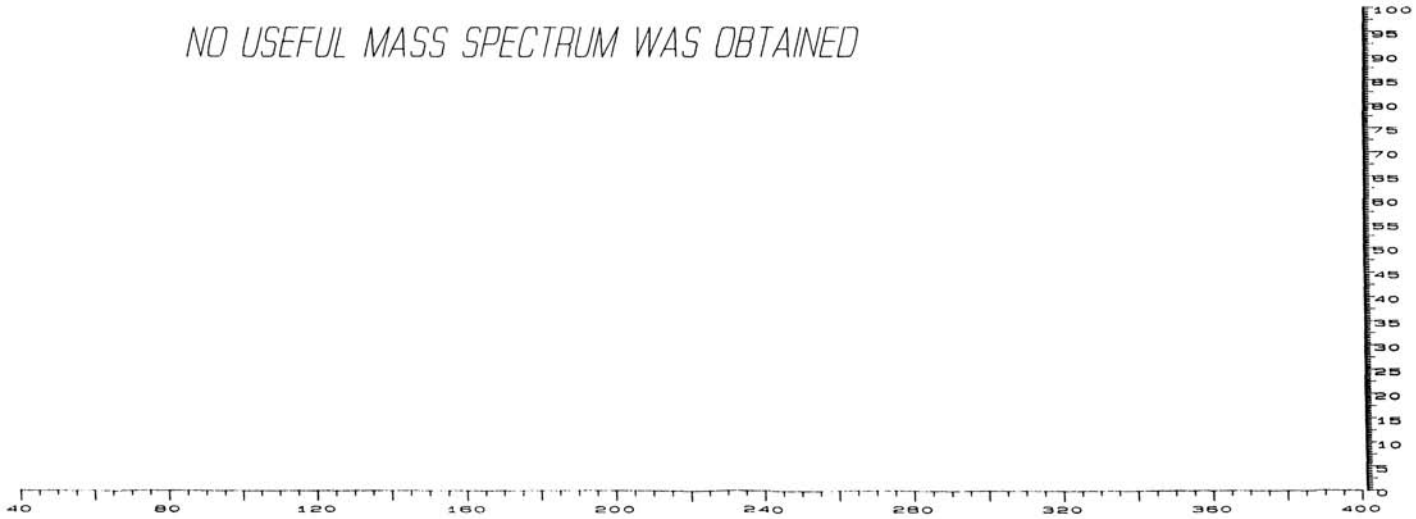
$C_{12}H_{17}N_3O_4S$

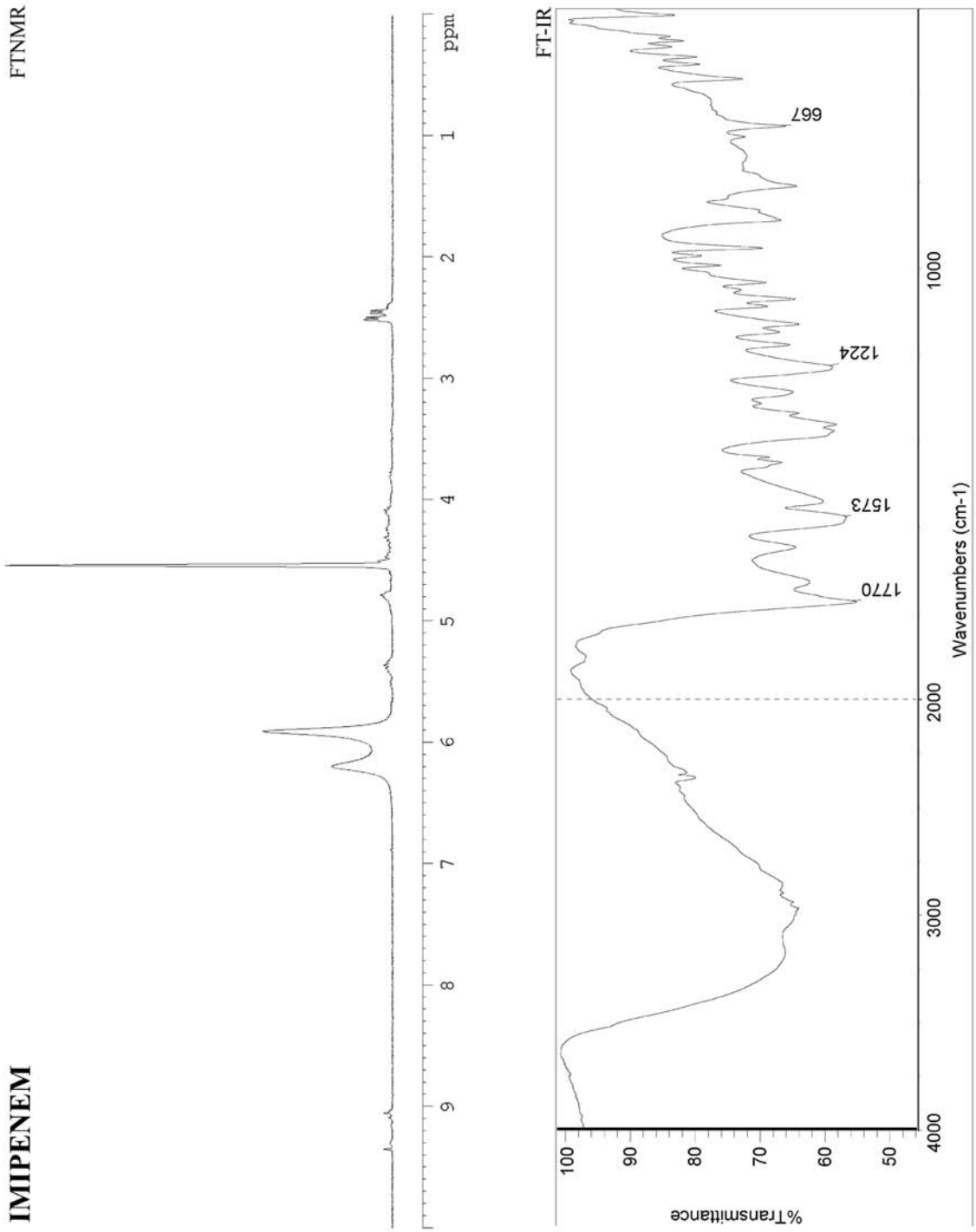
Molecular Weight: 299.35 (299.09)
Synonyms: {5R-[5α,6α(*R**)]]-6-(1-Hydroxyethyl)-3-[[2-[iminomethyl)amino]ethyl]thio]-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid ;N-formimidoylthienamycin; imipemide
Trade names: MK-787
Use: Antibacterial





NO USEFUL MASS SPECTRUM WAS OBTAINED



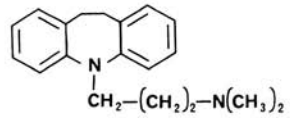

IMIPENEM
FTNMR
ppm
1
2
3
4
5
6
7
8
9
FT-IR
667
1224
1573
1770
%Transmittance
100
90
80
70
60
50
4000
3000
2000
1000
Wavenumbers (cm-1)

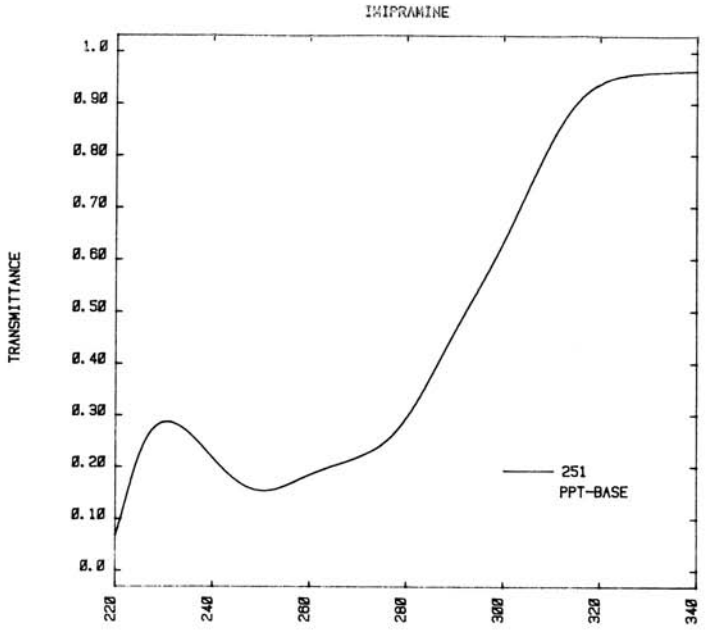
IMIPRAMINE

$C_{19}H_{24}N_2$

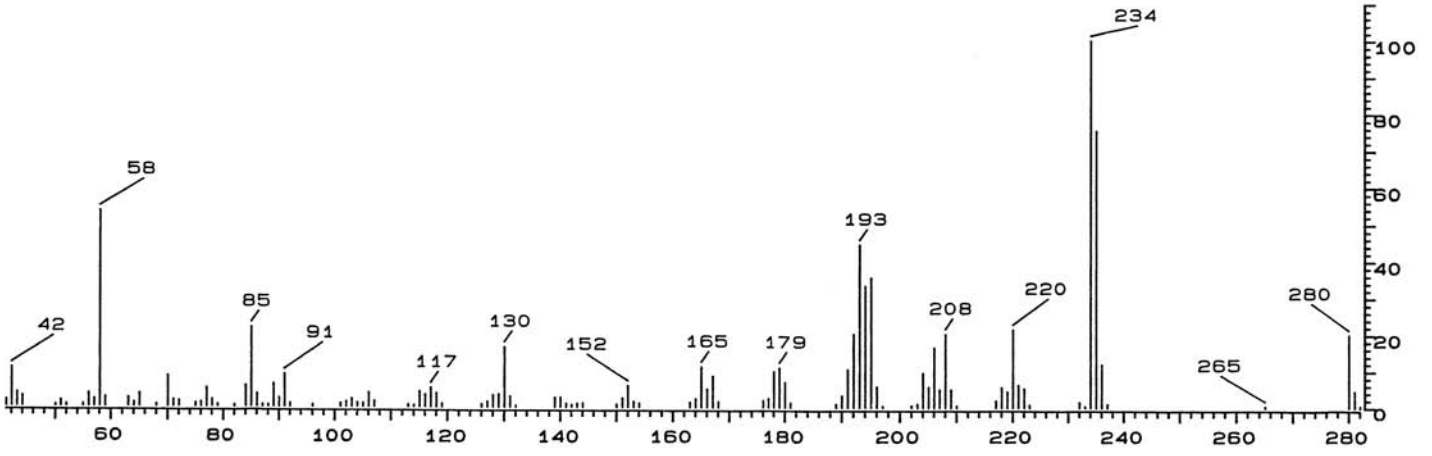
Molecular weight: 280.41 (280.19)
Synonyms: 10,11-Dihydro-N,N-dimethyl-5H-dibenz[b,f]azepine-5-propanamine
Trade names: Janimine, Tofranil

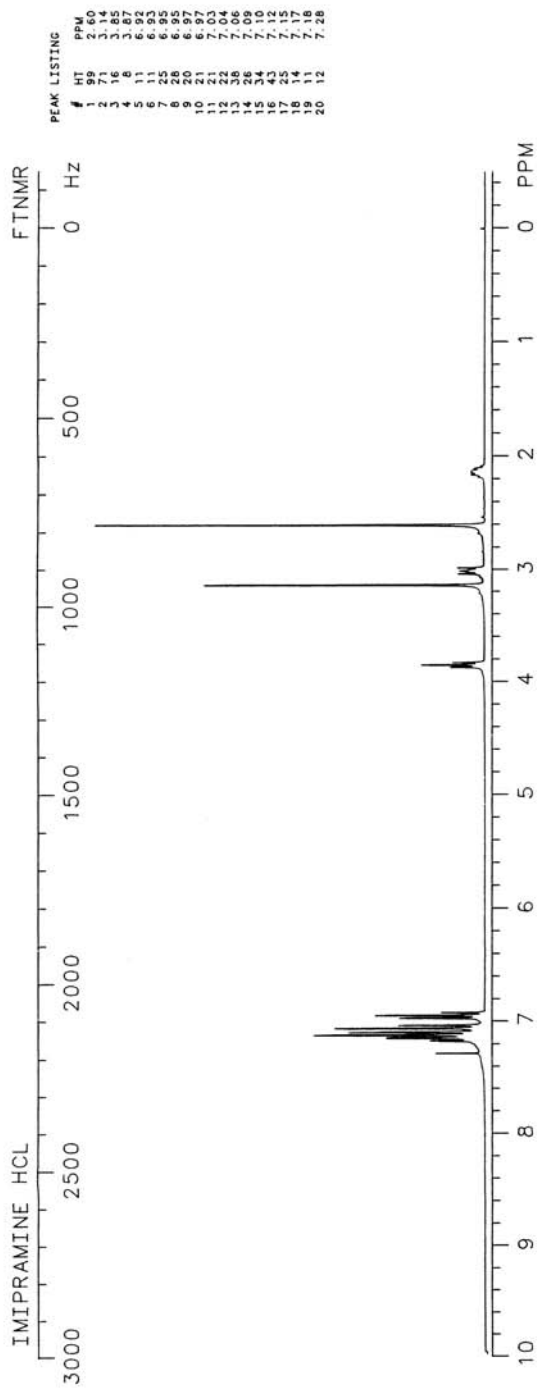
Use: Antidepressant
HPLC: Si-10; 5A:95B; 5.5
GC: 2276; 250°C

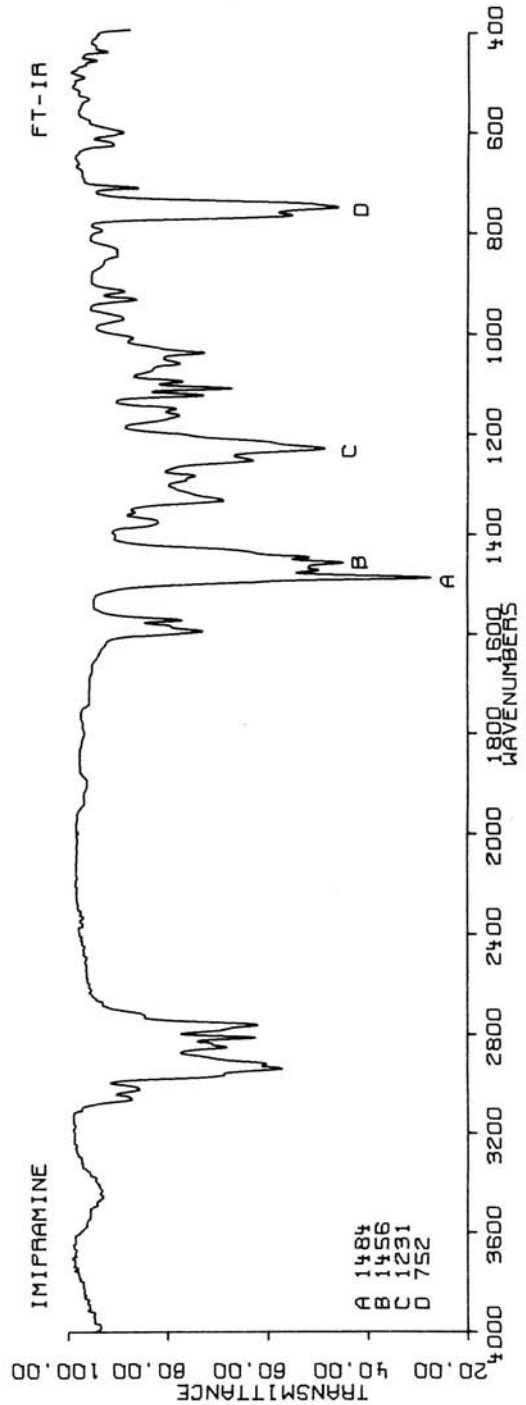




IMIPRAMINE




IMIPRAMINE 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 2.60
2 71 3.14
3 16 3.85
4 8 3.87
5 11 6.92
6 11 6.93
7 25 6.95
8 28 6.95
9 20 6.97
10 21 6.97
11 22 7.03
12 22 7.04
13 38 7.06
14 26 7.09
15 34 7.10
16 43 7.12
17 25 7.15
18 14 7.17
19 11 7.18
20 12 7.28

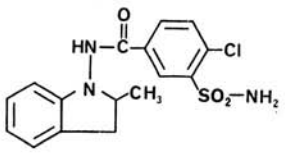

IMIPRAMINE
FT-IR
TRANSMITTANCE
100.00 80.00 60.00 40.00 20.00
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBERS
A 1484
B 1456
C 1231
D 752
A
B
C
D

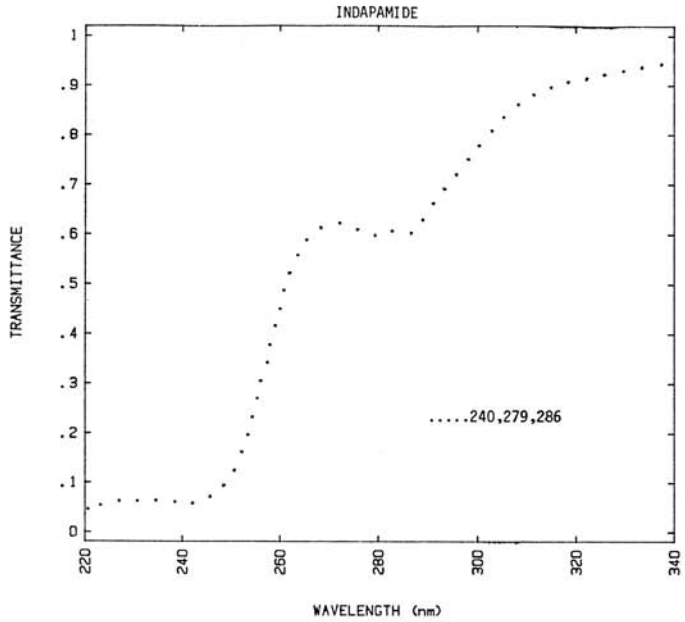
INDAPAMIDE

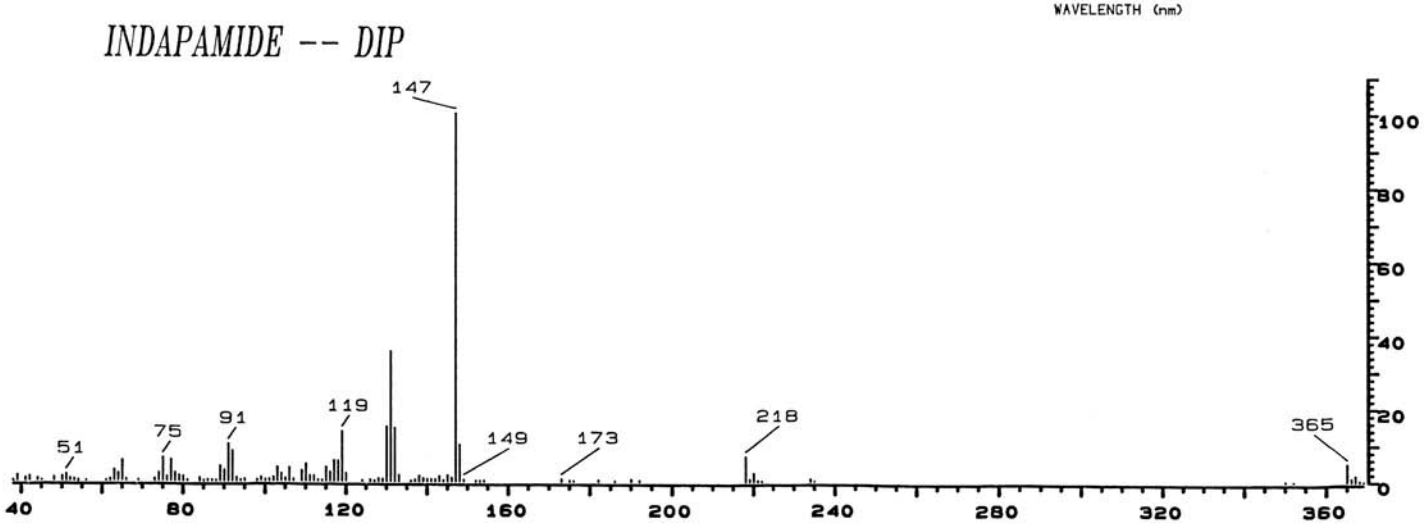
$C_{16}H_{16}ClN_3O_3S$

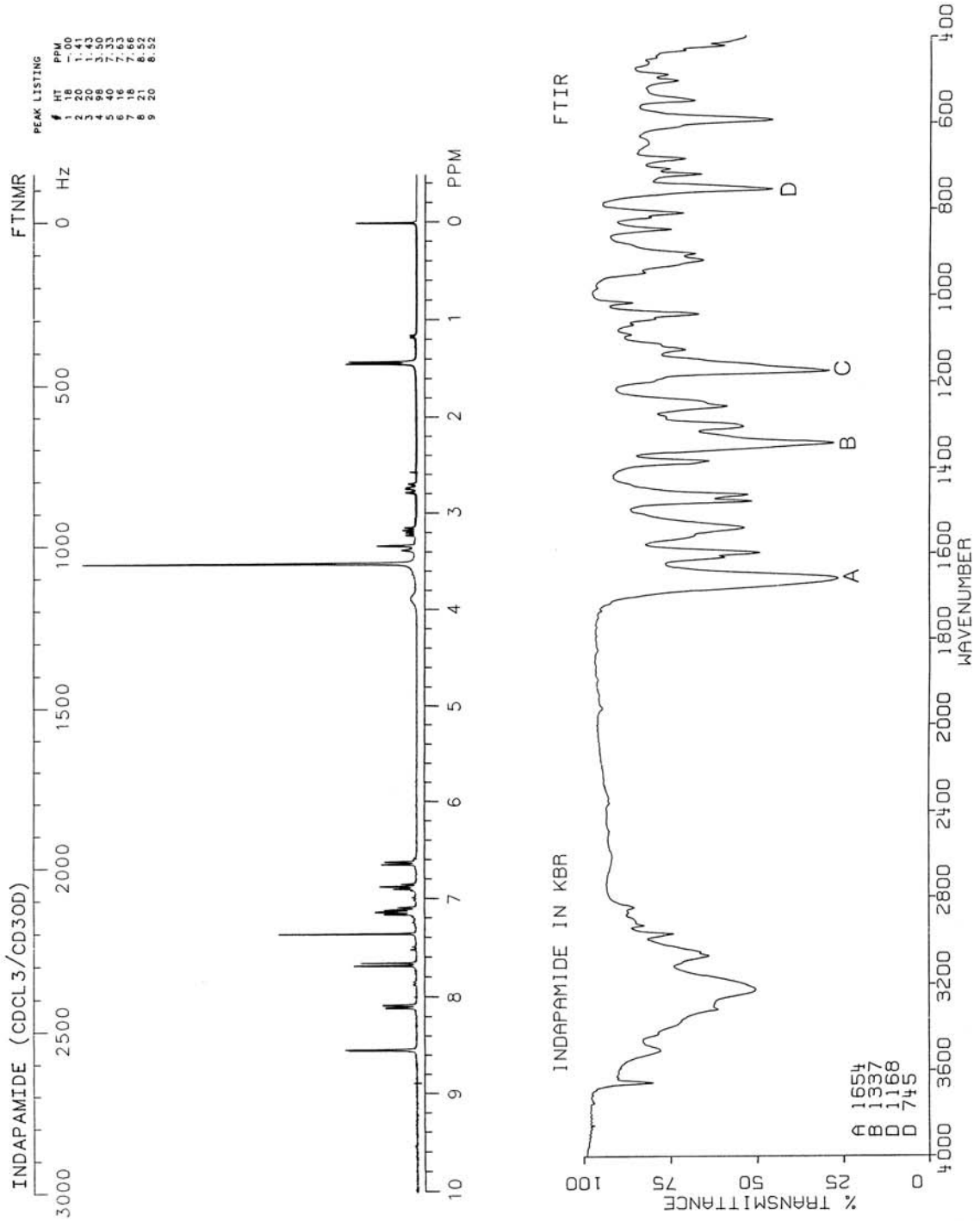
Molecular weight: 365.84 (365.06)
Synonyms: 3-(Aminosulfonyl)-4-chloro-N-(2,3-dihydro-2-methyl-1H-indol-1-yl)benzamide
Trade names: Fludex, Ipamix, Lozol, Natrilix

Use: Diuretic
HPLC: Si-10; 1A;99B; 5.0
GC:





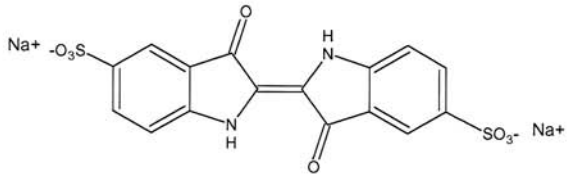


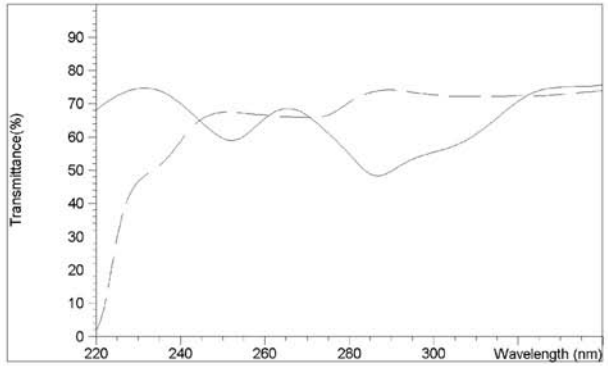

INDAPAMIDE (CDCL3/CD3OD)
FTNMR
PEAK LISTING
HT PPM
1 18 1.00
2 20 1.41
3 20 1.43
4 98 3.50
5 40 7.33
6 16 7.63
7 15 7.66
8 21 8.52
9 20 8.52
3000 2500 2000 1500 1000 500 0 Hz
10 9 8 7 6 5 4 3 2 1 0 PPM
INDAPAMIDE IN KBR
FTIR
A 1654
B 1337
D 1168
D 745
% TRANSMITTANCE
100 75 50 25 0
4000 3600 3200 2800 2400 2000 1800 1600 1400 1200 1000 800 600 400
WAVENUMBER
A
B
C
D

INDIGOTIN DISULFONATE SODIUM

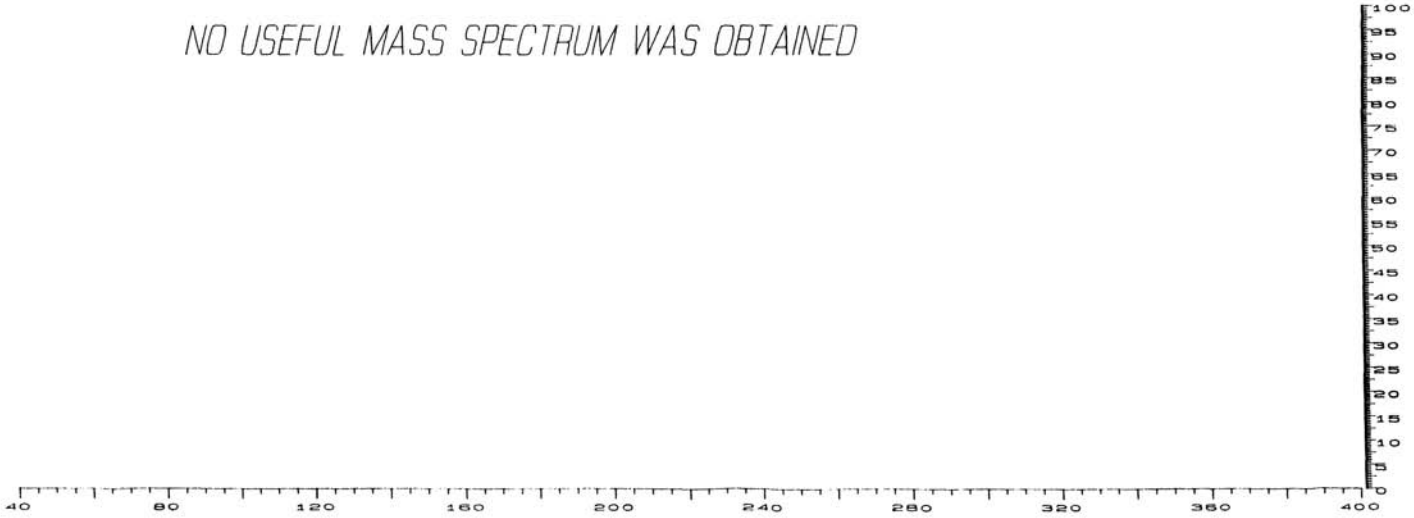
$C_{16}H_8N_2Na_2O_8S_2$

Molecular Weight: 466.36 (465.95)
Synonyms: 2-(1,3-Didydro-3-oxo-5-sulfo-2*H*-indol-2-ylidene)-2,3-dihydro-3-oxo-1*H*-indole-5-sulfonic acid disodium salt, Indigo Carmine, 5,5'-indigotin disulfonate, sodium indigotin disulfonate, soluble indigo blue
Trade names: Acid Blue 74, Food Blue 1, Fd7C Blue No. 2,
Use: Colorant





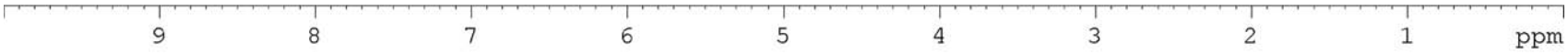
NO USEFUL MASS SPECTRUM WAS OBTAINED



INDIGOTIN DISULFONATE SODIUM

FTNMR

INSUFFICIENT SOLUBILITY



FT-IR