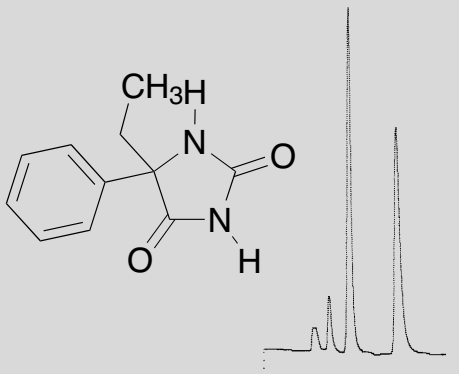
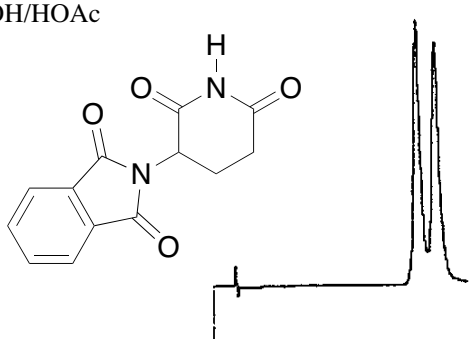
Nirvanol

Nirvanol
20% IPA/hexane
1 ml/min; 254 nm
Run Time = 8 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 1.50
α = 2.57
reference 31



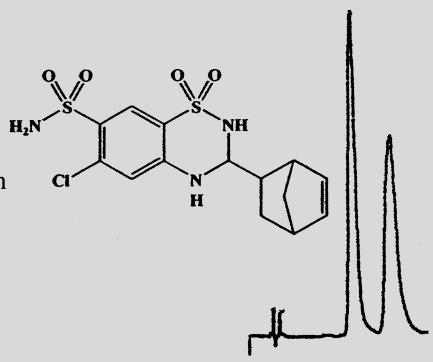
Thalidomide

Thalidomide
63:37:0.1 H_2O/MeOH/HOAc
1 ml/min; 254 nm
Run Time = 33 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 10.19
α = 1.10
reference 18

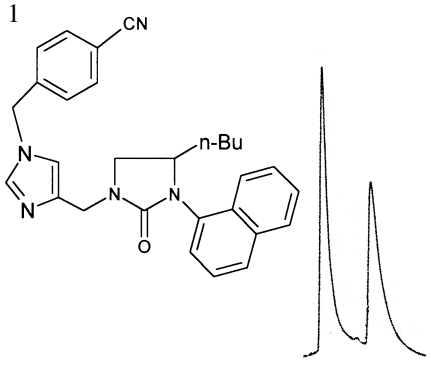


Cyclothiazide

Cyclothiazide
Column = (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase = (75/25)
Hexane/IPA + 0.1%
Acetic Acid
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 12.0 min
k'_1 = 3.71
α = 1.47
reference 46

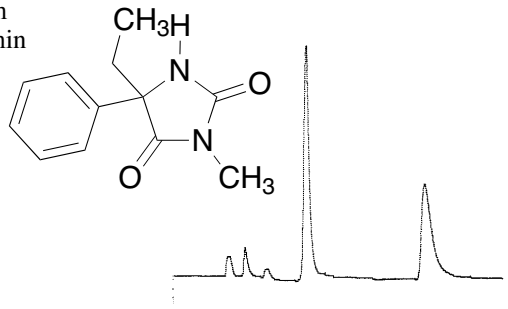


Column: (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase: (60/40)
Ethanol/Hexane + 0.1%
Triethylamine
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 32.0 min
k'_1 = 3.78
α = 1.66
reference 55



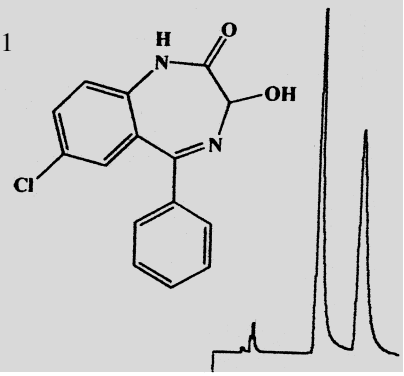
Mephenytoin

Mephenytoin
20% IPA/hexane
1 ml/min; 254 nm
Run Time = 14 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 1.57
α = 2.46
reference 31



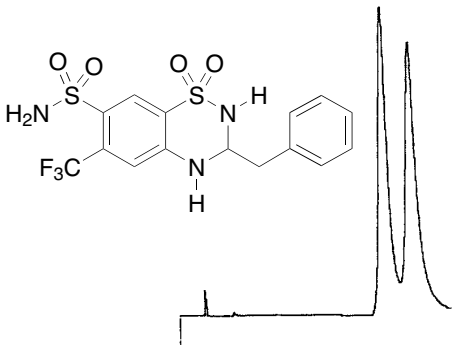
Oxazepam

Oxazepam
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (75/25)
Hexane/IPA + 0.01 M
Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 9.5 min
k'_1 = 2.73
α = 1.56
reference 46

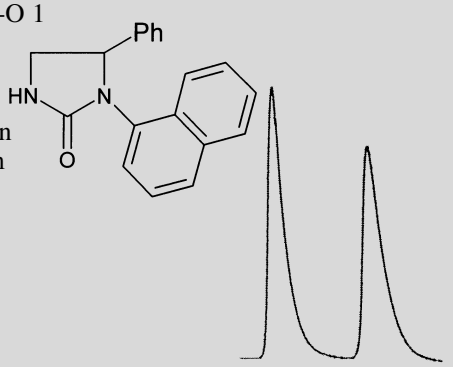


Bendroflumethiazide

bendroflumethiazide
k'_1 = 7.89
α = 1.16
1:1 hexane/IPA
1 ml/min; 220 nm
run time = 30 min
4.6 mm x 25 cm
Whelk-O 1
reference 18

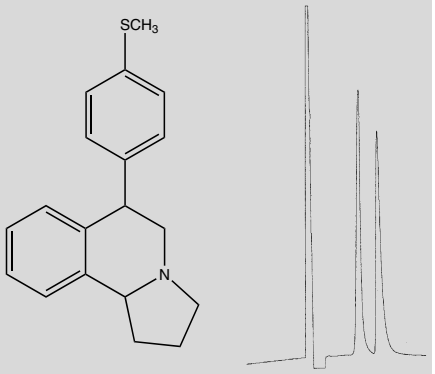


Column: (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
Run Time: 32.0 min
k'_1 = 15.64
α = 1.33
reference 55



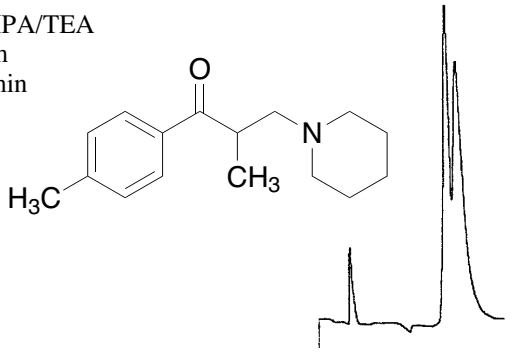
McN 5652

McN 5652
2% IPA/hex w. 0.2% diethylamine
1 ml/min; 254 nm
4.6 mm x 25 cm Whelk-O 1
$k'_1 = 0.85$
$\alpha = 1.36$
reference 32



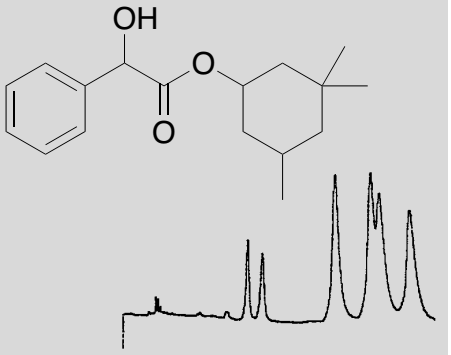
Tolperisone

Tolperisone
99:1:0.1 hexane/IPA/TEA
1 ml/min; 254 nm
Run Time = 18 min
4.6 mm x 25 cm Whelk-O 1
$k'_1 = 4.81$
$\alpha = 1.10$
reference 18

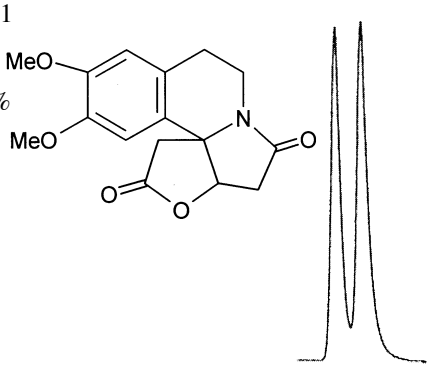


Cyclandelate

Cyclandelate
(mixture of isomers)
hexane
1 ml/min; 254 nm
Run Time = 35 min
4.6 mm x 25 cm Whelk-O 1
reference 18

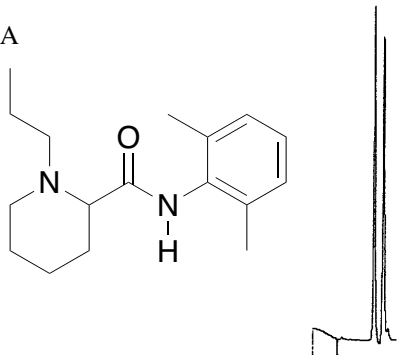


Column: (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase: (60/40) Ethanol/Hexane + 0.1% Triethylamine
Flow Rate: 1.0 mL/min
Detection: UV 280 nm
Run Time: 17.0 min
$k'_1 = 3.78$
$\alpha = 1.14$
reference 56



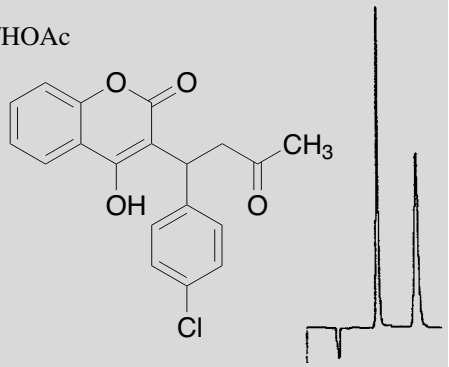
Bupivacaine

Bupivacaine
80:20:0.1 hexane/IPA/TEA
1 ml/min; 254 nm
Run Time = 7-8 min
4.6 mm x 25 cm Whelk-O 1
$k'_1 = 1.89$
$\alpha = 1.25$
reference 18



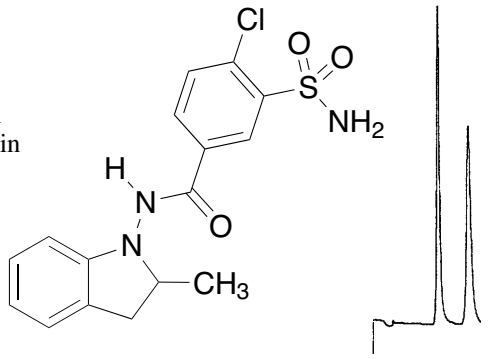
p-Chloro-Warfarin

p-Chloro-Warfarin
85:15:0.1 MeOH/H_2O/HOAc
1 ml/min; 254 nm
Run Time = 12 min
4.6 mm x 25 cm Whelk-O 1
$k'_1 = 1.64$
$\alpha = 1.93$
reference 18

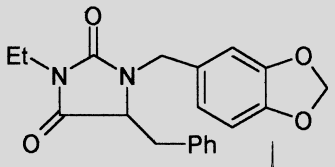


Indapamide

Iindapamide
$k'_1 = 2.46$
$\alpha = 1.68$
1:1 hexane/IPA
1 ml/min; 220 nm
Run Time = 14 min
4.6 mm x 25 cm Whelk-O 1
reference 18

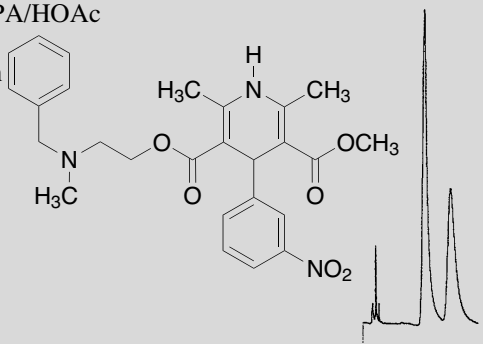


Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5) Hexane/IPA
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 25.0 min
$k'_1 = 3.45$
$\alpha = 2.04$
reference 53



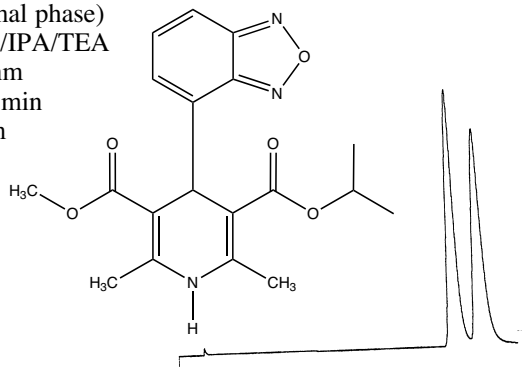
Nicardipine

Nicardipine
73:27:0.1 hexane/IPA/HOAc
1 ml/min; 254 nm
Run Time = 30 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 6.06
α = 1.52
reference 18



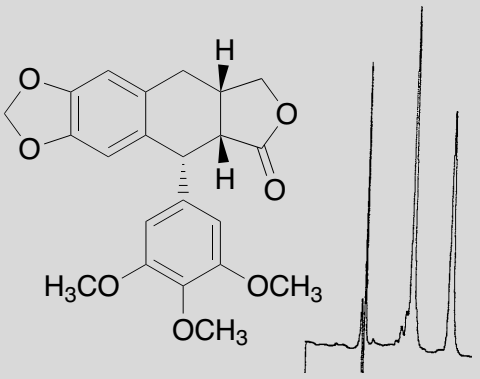
Isradipine (normal phase)

Isradipine (normal phase)
98:2:0.5 hexane/IPA/TEA
1 ml/min; 254 nm
Run Time = 52 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 9.71
α = 1.10
reference 18



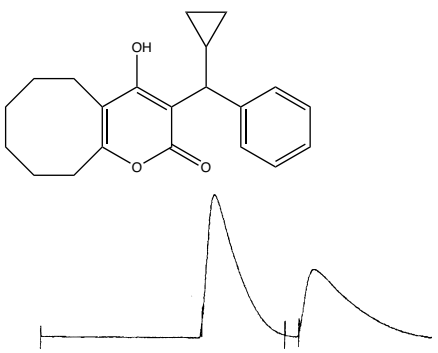
Hanessian's Lignan

Hanessian's lignan
methanol
1 ml/min; 254 nm
Run Time = 8 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 0.94
α = 1.69
reference 7



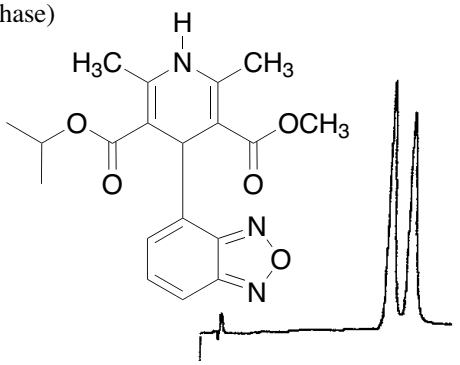
U-100057

U-100057
65:35 hexane/IPA
90 ml/min to 34 min,
then 120 ml/min
Run Time = 50 min
5.1 cm x 25 cm
Whelk-O 1
Sample Load = 1.9 g
reference 37



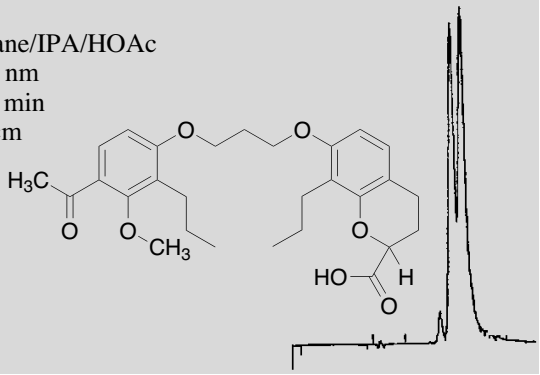
Isradipine (reversed phase)

Isradipine (reversed phase)
63/37 MeOH/H_2O
1 ml/min; 254 nm
Run Time = 35 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 11.21
α = 1.12
reference 18



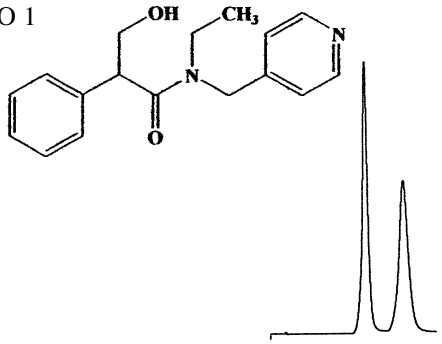
SC 41930

SC 41930
80:20:0.5 hexane/IPA/HOAc
1 ml/min; 254 nm
Run Time = 6 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 1.05
α = 1.12
reference 7



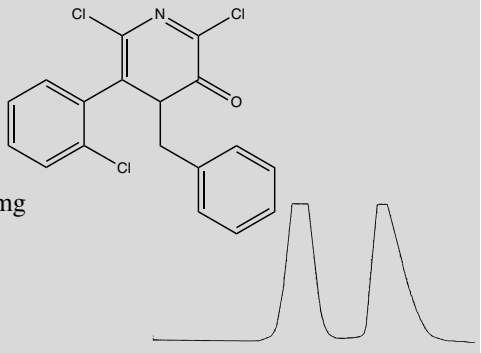
Tropicamide

Tropicamide
Column: (R,R)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time = 13.9 min
k'_1 = 4.52
α = 1.49
reference 46



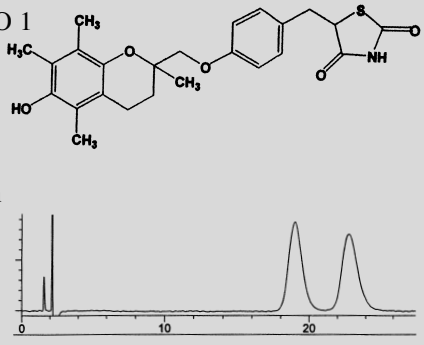
U-94863

U-94863
70:30:0.5 hexane/
IPA/HOAC
12 ml/min; 254 nm
2.1 cm x 25 cm
Whelk-O 1
Run Time = 12 min
Sample Load = 40 mg
reference 37



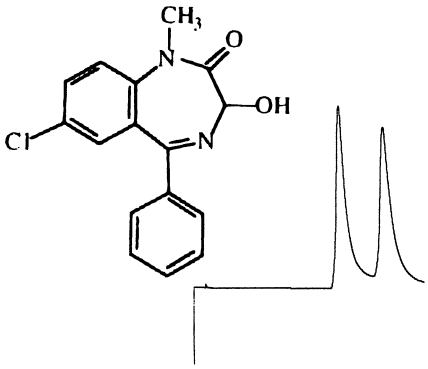
Troglitazone

Troglitazone
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (90/10)
Hexane/IPA
+ 0.1% Acetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 220 nm
k'_1 = 13.05
α = 1.22
reference 46

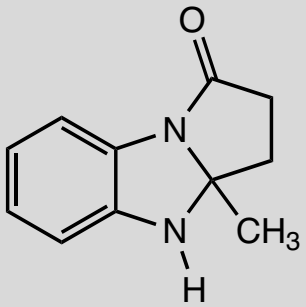


Temazepam

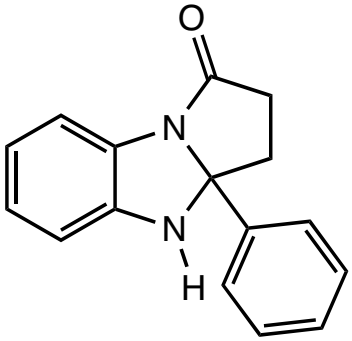
Column: (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase: (97/3)
Hexane/IPA +
0.1% Acetic acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 31.0 min
k'_1 = 12.05
α = 1.34
reference 46



30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm Whelk-O 1
k'_1 = 1.61
α = 1.48
reference 44

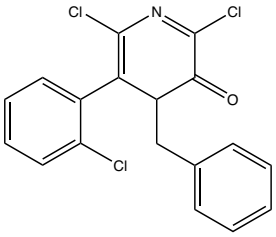


30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm Whelk-O 1
k'_1 = 1.29
α = 1.83
reference 44



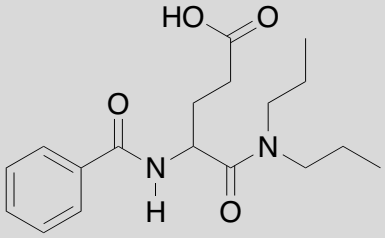
U-94863

U-94863
40:60:0.5 hexane/IPA/HOAc
1 ml/min; 254 nm
run time = 15 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 2.26
α = 1.95
reference 37

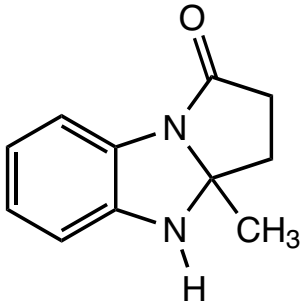


Proglumide

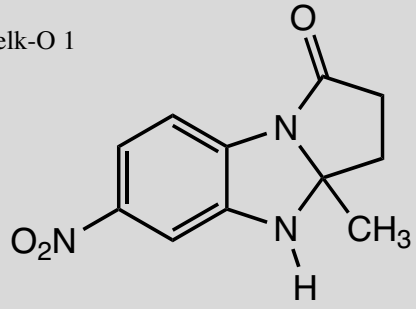
Proglumide
75:25:0.1 hexane/IPA/HOAc
1 ml/min; 254 nm
run time = 10 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 1.54
α = 1.49
reference 18



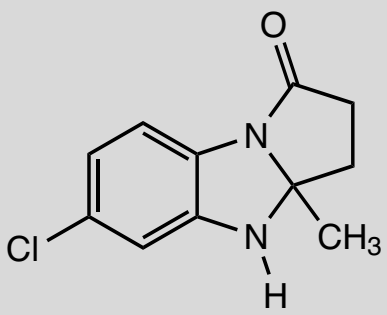
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm Whelk-O 1
k'_1 = 1.66
α = 1.69
reference 44



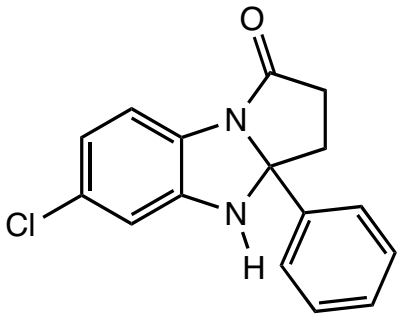
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm Whelk-O 1
k'_1 = 2.56
α = 1.25
reference 44



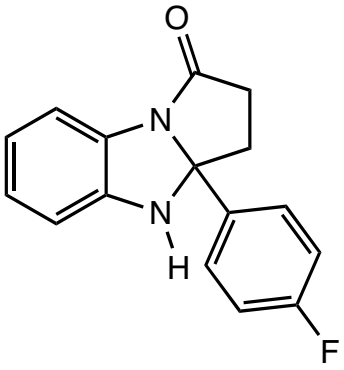
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.38$
$\alpha = 1.44$
reference 44



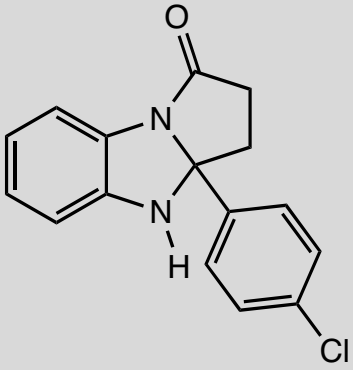
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.34$
$\alpha = 1.60$
reference 44



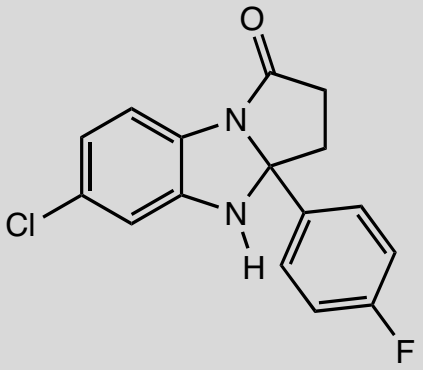
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.29$
$\alpha = 1.83$
reference 44



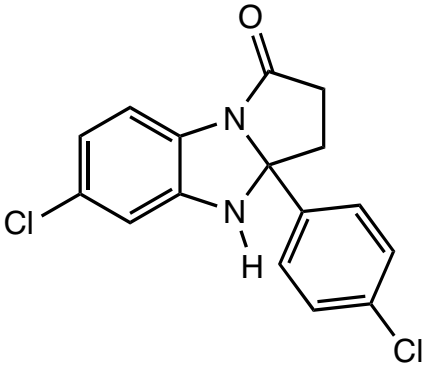
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.37$
$\alpha = 1.90$
reference 44



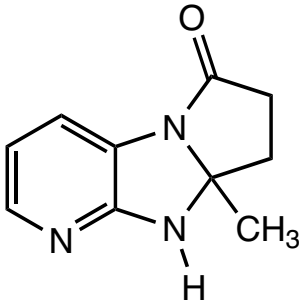
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.18$
$\alpha = 1.72$
reference 44



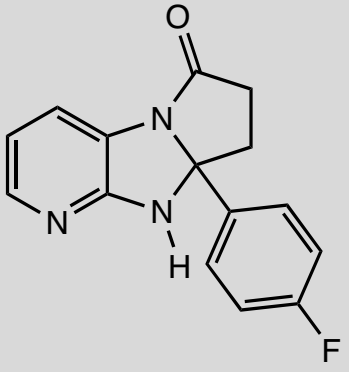
30% IPA/hexane
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.34$
$\alpha = 1.78$
reference 44



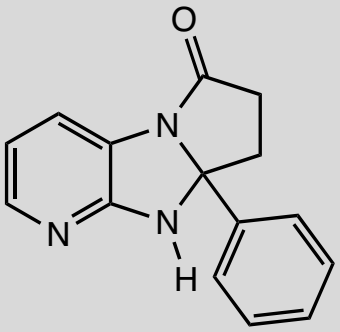
70:30:05 hexane/
2-propanol/diethyl amine
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 2.36$
$\alpha = 1.33$
reference 44



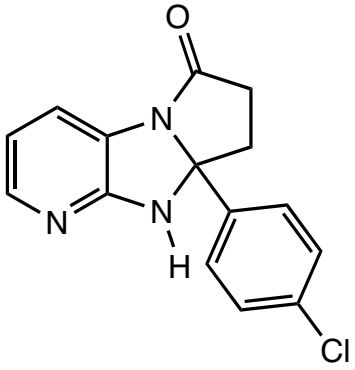
70:30:05 hexane/
2-propanol/diethyl amine
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.70$
$\alpha = 1.55$
reference 44



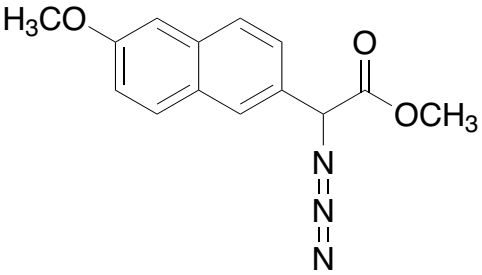
70:30:05 hexane/
2-propanol/diethyl amine
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.90$
$\alpha = 1.45$
reference 44



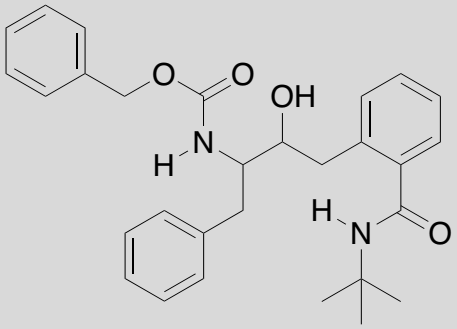
70:30:05 hexane/
2-propanol/diethyl amine
1 ml/min; 254 nm
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 1.73$
$\alpha = 1.59$
reference 44



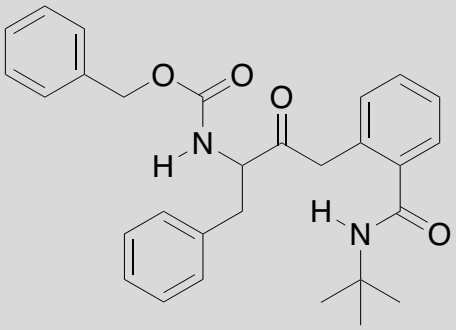
40% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
$\alpha = 1.34$
Rs = 2.10
reference 45



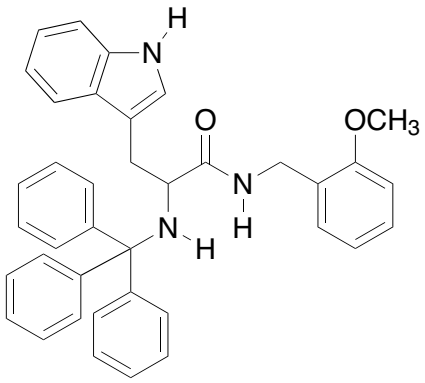
10% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
$\alpha = 1.29$
Rs = 2.10
reference 45



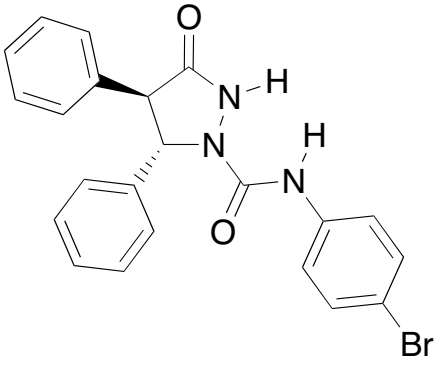
10% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
$\alpha = 1.10$
Rs = 0.95
reference 45



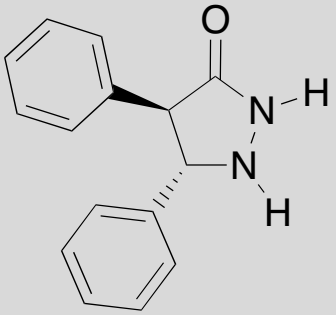
50% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
$\alpha = 1.32$
Rs = 2.10
reference 45



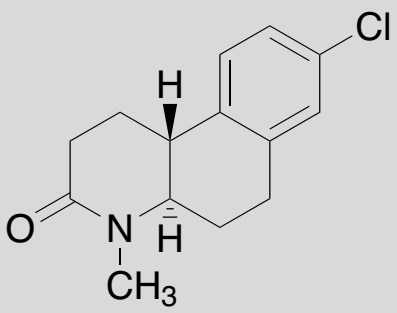
45% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
$\alpha = 2.17$
Rs = 2.20
reference 45



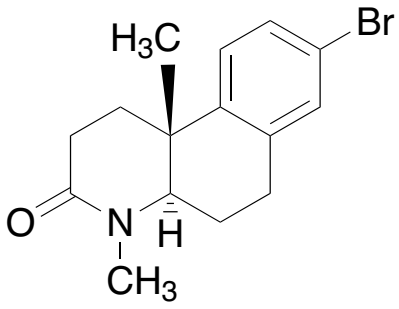
45% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
$\alpha = 1.57$
Rs = 2.20
reference 45



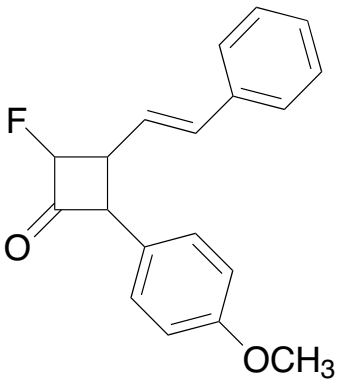
10% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
α = 1.04
Rs = 0.60
reference 45



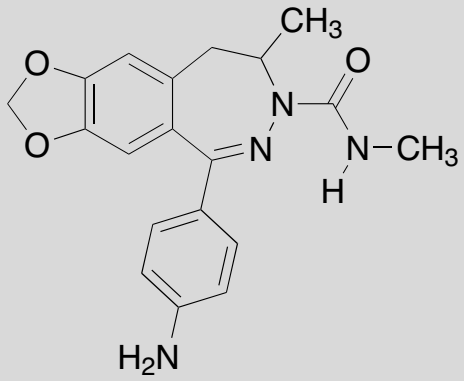
10% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
α = 1.04
Rs = 0.60
reference 45



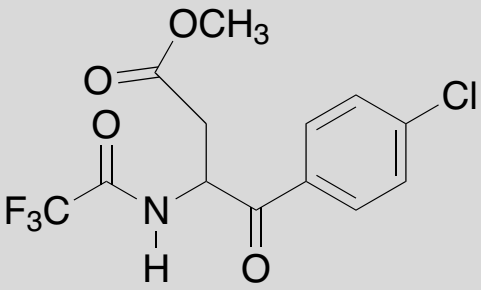
15% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
α = 1.13
Rs = 1.50
reference 45



40% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
α = 1.22
Rs = 1.50
reference 45

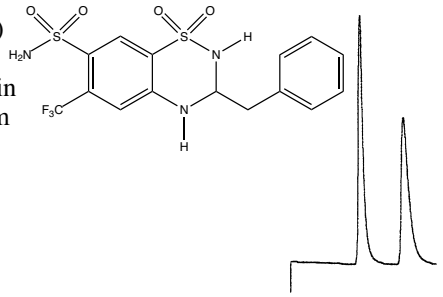


10% IPA/hexane
1 ml/min
4.6 mm x 25 cm
(*S,S*) Whelk-O 1
α = 1.11
Rs = 1.50
reference 45



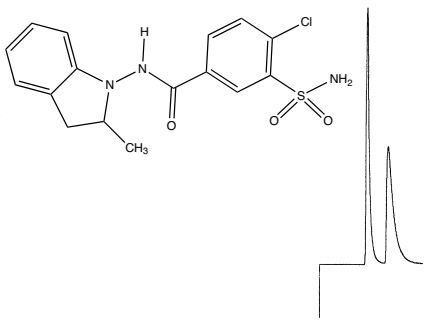
Bendroflumethiazide

Bendroflumethiazide
Column = (R,R)-ULMO
25 cm x 4.6 mm
Mobile Phase = (75/25)
Hexane/IPA
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 18 min
k'_1 = 2.99
α = 1.84
reference 46



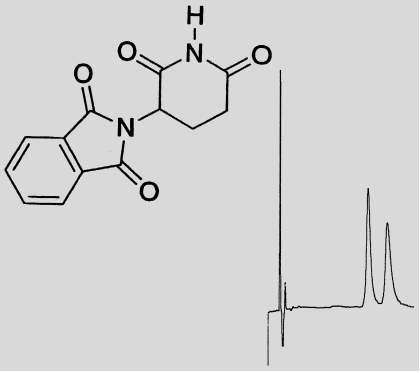
Indapamide

Indapamide
Column = (R,R)-ULMO
25 cm x 4.6 mm
Mobile Phase = (75/25)
Hexane/IPA
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 16 min
k'_1 = 3.09
α = 1.58
reference 46



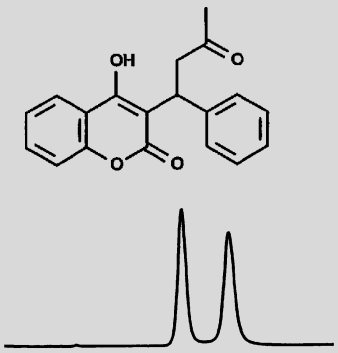
Thalidomide

Thalidomide
Column = (R,R)-ULMO
25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1%
Acetic acid
Flow Rate = 1.0 mL/min
Detection = UV 220 nm
Run Time = 28.0 min
k'_1 = 7.71
α = 1.22
reference 46



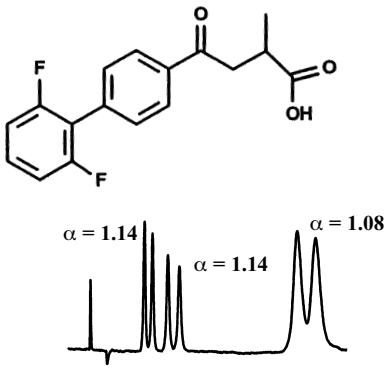
Warfarin

Warfarin
Column: (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase: (70/30)
Heptane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 230 nm
Run Time: 6.5 min
$k'_1 = 0.89$
$\alpha = 1.36$
reference 48



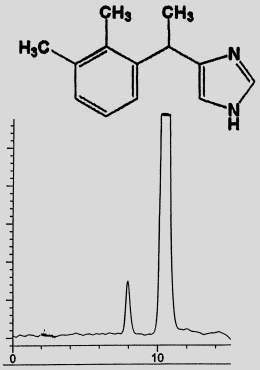
Flobufen Metabolites

Flobufen Metabolites
Column = (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase = (97/3)
Heptane/Glyme +
0.1% TFA
Flow Rate = 1.0 mL/min
Detection = UV 215 nm
Run Time = 21.0 min
reference 47



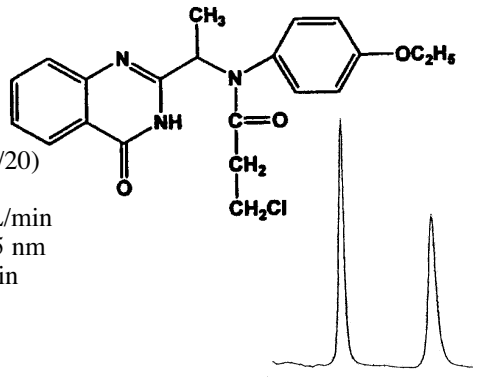
Dexmedetomidine (Enriched)

Dexmedetomidine (Enriched)
Column = (S,S)-Whelk-O 2
25 cm x 4.6 mm
Mobile Phase = (90/10)
Hexane/Ethanol
+ 10 mM Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 220 nm
$k'_1 = 3.41$
$\alpha = 1.39$
reference 46



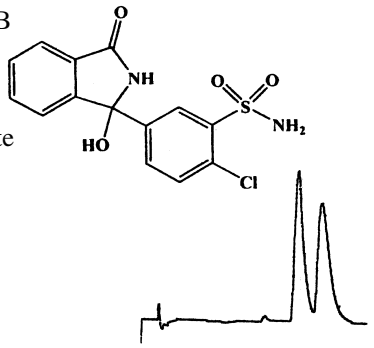
4(3H)-Quinazolone Derivatives

4(3H)-quinazolone
derivatives
Column = (S,S)-
Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (80/20)
Hexane/Ethanol
Flow Rate = 1.0 mL/min
Detection = UV 225 nm
Run Time = 17.0 min
$k'_1 = 2.95$
$\alpha = 1.62$
reference 58



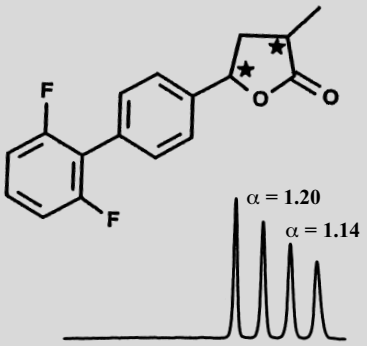
Chlorthalidone

Chlorthalidone
Column = (S,S)-DACH-DNB
25 cm x 4.6 mm
Mobile Phase = (99/1)
CH_2Cl_2/CH_3OH +
0.01 M Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 20.0 min
$k'_1 = 9.38$
$\alpha = 1.18$
reference 46



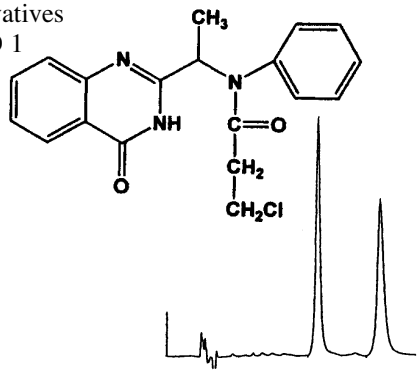
Flobufen and Flobufen Metabolites

Flobufen and Flobufen
Metabolites
Column = (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase = (90/10)
Heptane/IPA + 0.1% TFA
Flow Rate = 2.0 mL/min
Detection = UV 230 nm
Run Time = 24.0 min
reference 47



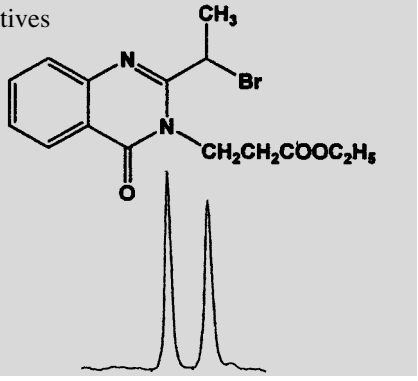
4(3H)-Quinazolone Derivatives

4(3H)-Quinazolone Derivatives
Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (80/20)
Hexane/Ethanol
Flow Rate = 1.0 mL/min
Detection = UV 225 nm
Run Time = 16.0 min
$k'_1 = 2.88$
$\alpha = 1.56$
reference 58



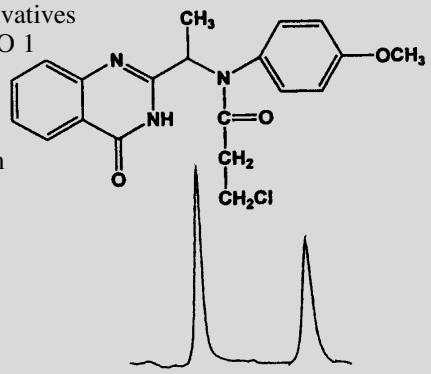
4(3H)-Quinazolone Derivatives

4(3H)-quinazolone derivatives
Column = (S,S)-
Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (90/10)
Hexane/IPA
Flow Rate = 1.0 mL/min
Detection = UV 225 nm
Run Time = 15.0 min
$k'_1 = 3.54$
$\alpha = 1.19$
reference 58



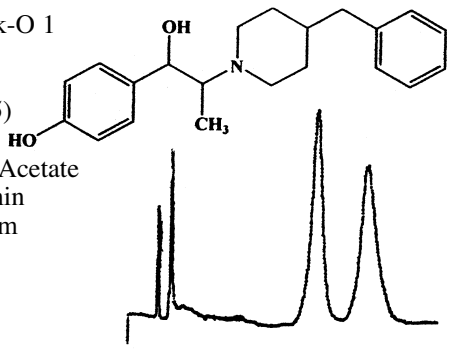
4(3H)-Quinazolone Derivatives

4(3H)-Quinazolone Derivatives
Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (80/20)
Hexane/Ethanol
Flow Rate = 1.0 mL/min
Detection = UV 225 nm
Run Time = 21.0 min
$k'_1 = 3.75$
$\alpha = 1.57$
reference 58



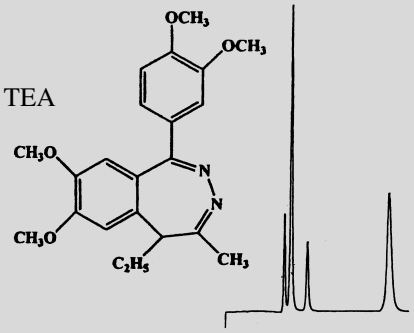
Ifenprodil

Ifenprodil
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (85/15)
Hexane/IPA +
0.01 M Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 220 nm
Run Time = 16.5 min
$k'_1 = 6.16$
$\alpha = 1.32$
reference 46



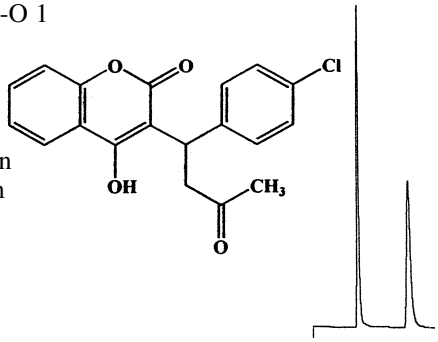
Tofisopam and it's Conformers

Tofisopam and it's Conformers
Column = (R,R)-β-Gem 1
25 cm x 4.6 mm
Mobile Phase = (70/30)
Hexane/Ethanol + 0.1% TEA
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 25.0 min
$k'_1 = 2.66$
$\alpha = 3.13$
reference 46



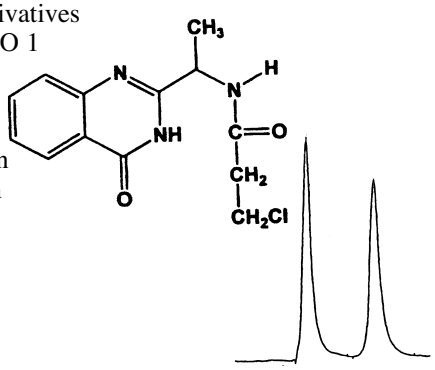
Coumachlor

Coumachlor
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (65/35)
Hexane/Ethanol +
0.1% Acetic Acid
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 10.0 min
$k'_1 = 1.48$
$\alpha = 2.90$
reference 46



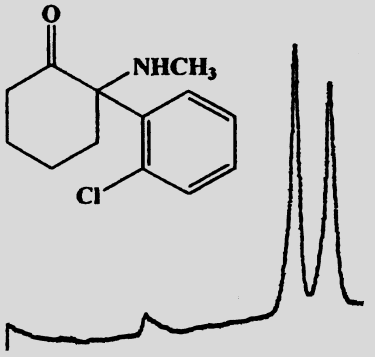
4(3H)-Quinazolone Derivatives

4(3H)-Quinazolone Derivatives
Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (80/20)
Hexane/Ethanol
Flow Rate = 1.0 mL/min
Detection = UV 225 nm
Run Time = 15.0 min
$k'_1 = 3.19$
$\alpha = 1.37$
reference 58



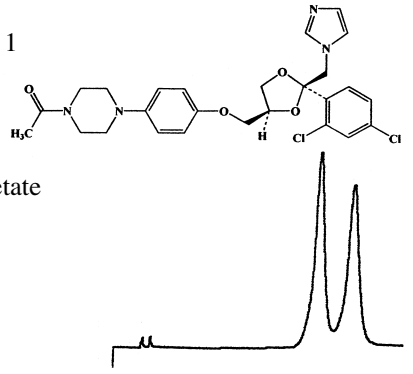
Ketamine

Ketamine
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (99/1)
Hexane/IPA + 0.1% TEA
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 22.0 min
$k'_1 = 6.37$
$\alpha = 1.14$
reference 46



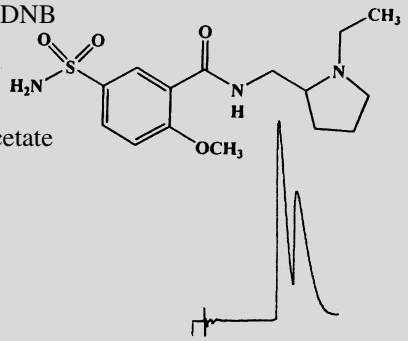
Ketoconazole

Ketoconazole
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (46/46/8)
CH_2Cl_2/Hexane/IPA +
0.01 M Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 16.0 min
$k'_1 = 6.60$
$\alpha = 1.19$
reference 46



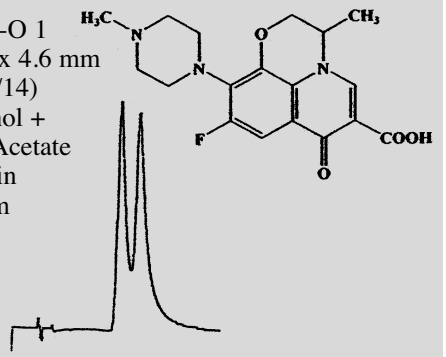
Sulpiride

Sulpiride
Column = (R,R)-DACH-DNB
25 cm x 4.6 mm
Mobile Phase = (95/5)
CH_2Cl_2/Ethanol +
0.01 M Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 14.0 min
$k'_1 = 5.92$
$\alpha = 1.24$
reference 46



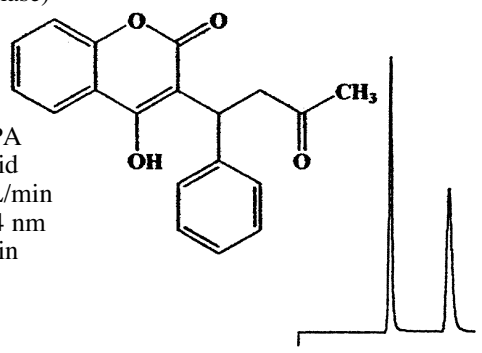
Ofloxacin

Ofloxacin
Column = (S,S)-Whelk-O 1
10/100 (FEC) 25 cm x 4.6 mm
Mobile Phase = (43/43/14)
CH_2Cl_2/Hexane/Ethanol +
0.01 M Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 10.0 min
k'_1 = 2.96
α = 1.24
reference 46



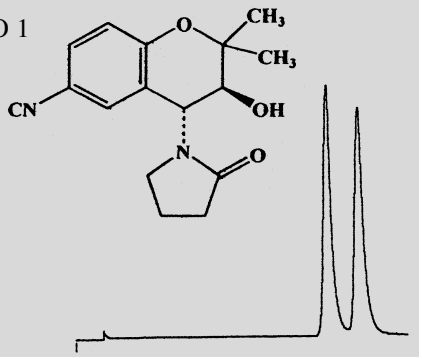
Warfarin (Normal Phase)

Warfarin (normal phase)
Column = (R,R)-
Whelk-O 1
25 cm x 4.6 mm
Mobile Phase =
(65/35) Hexane/IPA
+ 0.1% Acetic Acid
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 11.5 min
k'_1 = 1.54
α = 2.07
reference 46



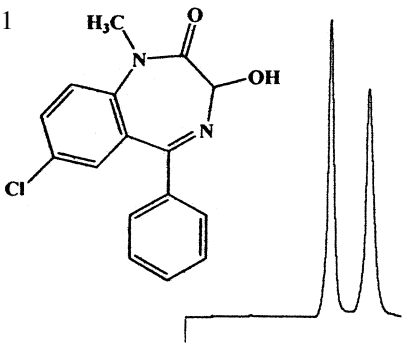
Cromakalim

Cromakalim
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (92/8)
Hexane/Ethanol
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 21.0 min
k'_1 = 9.18
α = 1.14
reference 46



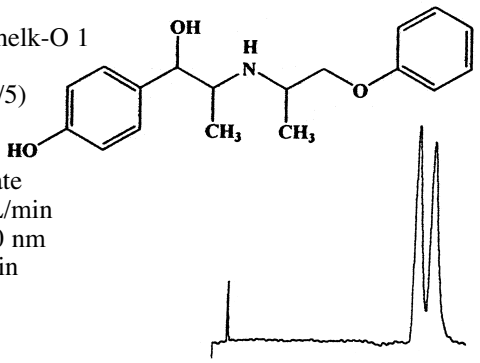
Temazepam

Temazepam
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase =
(80/20) Hexane/IPA
+ 0.1% Acetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 13.0 min
k'_1 = 6.86
α = 1.34
reference 46



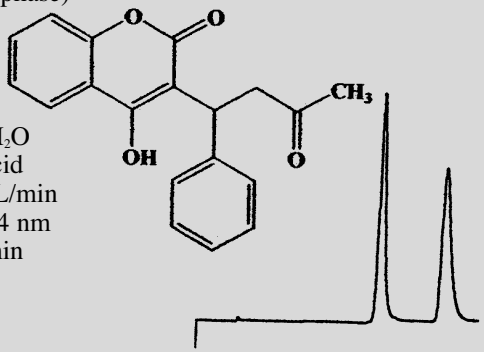
Isoxsuprine

Isoxsuprine
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/Ethanol +
0.01 M
Ammonium Acetate
Flow Rate = 2.0 mL/min
Detection = UV 220 nm
Run Time = 28.0 min
k'_1 = 17.91
α = 1.08
reference 46



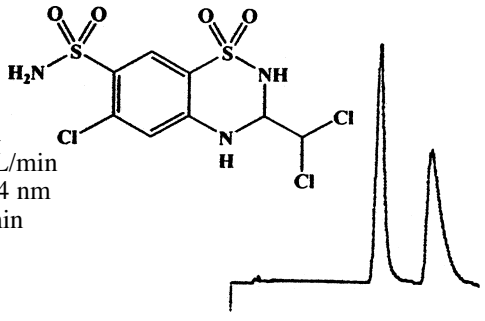
Warfarin (Reversed Phase)

Warfarin (reversed phase)
Column = (R,R)-
Whelk-O 1
25 cm x 4.6 mm
Mobile Phase =
(70/30) CH_3OH/H_2O
+ 0.1% Acetic Acid
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 15.0 min
k'_1 = 3.54
α = 1.55
reference 46



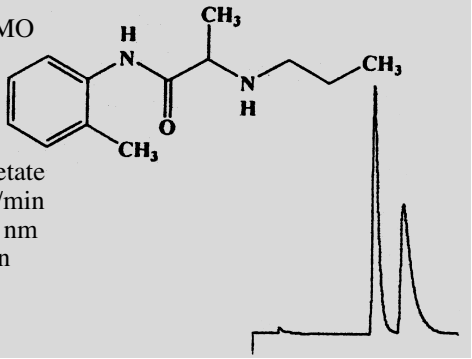
Trichlormethiazide

Trichlormethiazide
Column = (R,R)-ULMO
25 cm x 4.6 mm
Mobile Phase =
(75/25)
Hexane/IPA +
0.1% Acetic Acid
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 15.0 min
k'_1 = 5.16
α = 1.43
reference 46



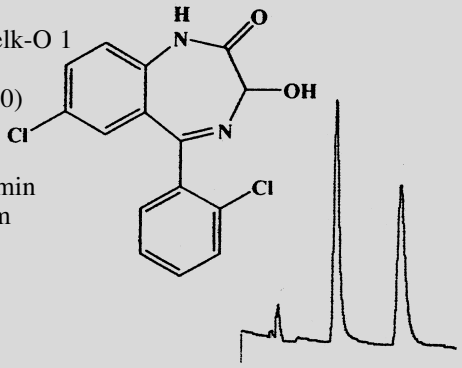
Prilocaine

Prilocaine
Column = (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase =
(99/1) Hexane/
Ethanol + 0.01
M Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 15.0 min
k'_1 = 5.70
α = 1.28
reference 46



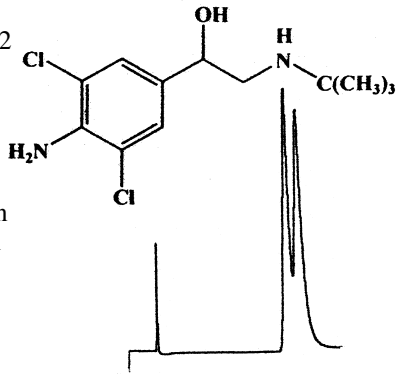
Lorazepam

Lorazepam
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (70/30)
Hexane/IPA +
0.1% Acetic Acid
Flow Rate = 1.5 mL/min
Dtection - UV 254 nm
Run Time = 9.0 min
k'_1 = 2.08
α = 2.02
reference 46



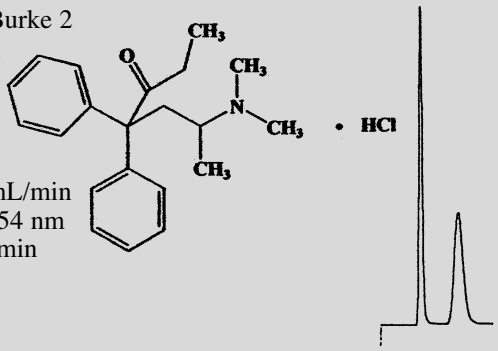
Clenbuterol

Clenbuterol
Column = (R)-α-Burke 2
25 cm x 4.6 mm
Mobile Phase = (90/10)
CH_2Cl_2/Ethanol +
0.01 M Ammonium
Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 12.0 min
k'_1 = 4.99
α = 1.09
reference 46



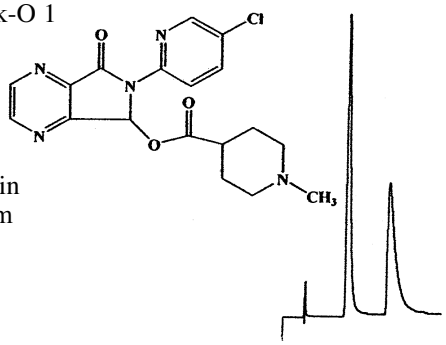
Methadone Hydrochloride

Methadone Hydrochloride
Column = (S)-α-Burke 2
25 cm x 4.6 mm
Mobile Phase =
(88/12)
Hexane/Ethanol
+ 0.1% TEA
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 10.0 min
k'_1 = 3.50
α = 1.34
reference 46



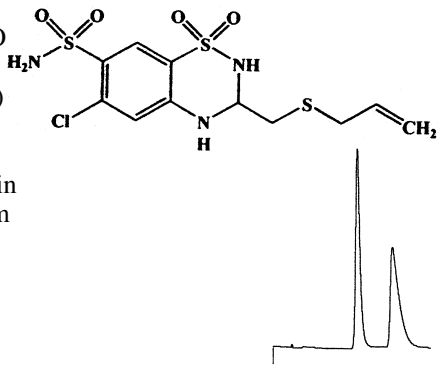
Zopiclone

Zopiclone
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5)
CH_2Cl_2/Ethanol
+ 0.01 M
Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 8.5 min
k'_1 = 1.94
α = 2.01
reference 46



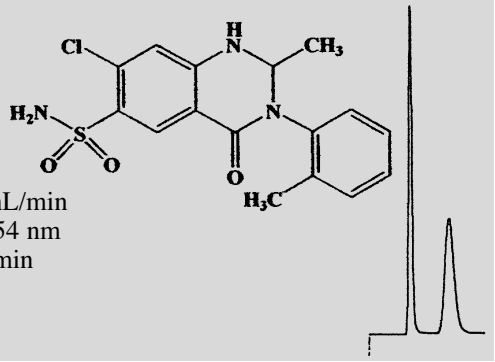
Althiazide

Althiazide
Column = (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase = (75/25)
Hexane/IPA +
0.1% Acetic Acid
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 13.0 min
k'_1 = 3.94
α = 1.53
reference 46



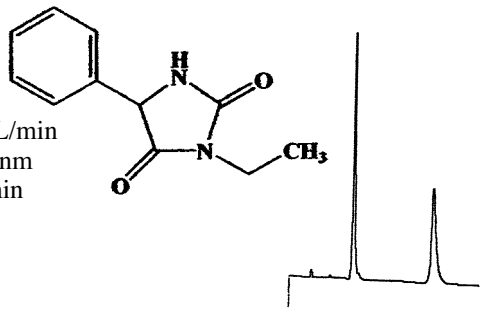
Metolazone

Metolazone
Column = (R,R)-
Whelk-O 1
25 cm x 4.6 mm
Mobile Phase =
(55/45)
Hexane/Ethanol
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 10.0 min
k'_1 = 1.93
α = 2.43
reference 46



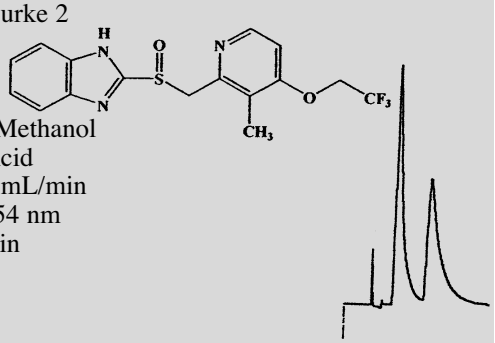
Ethotoin

Ethotoin
Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase =
(75/25)
Hexane/Ethanol
Flow Rate = 1.5 mL/min
Dtection - UV 254 nm
Run Time = 11.0 min
k'_1 = 1.65
α = 3.03
reference 46



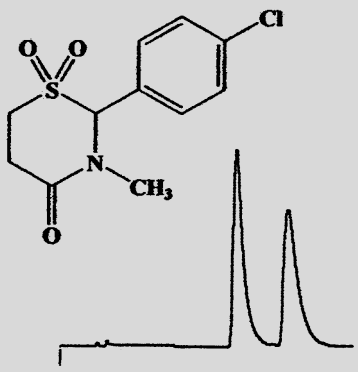
Lansoprazole

Lansoprazole
Column = (S)-α-Burke 2
25 cm x 4.6 mm
Mobile Phase =
(94/3/3)
CH_2Cl_2/Ethanol/Methanol
+ 0.2% Acetic Acid
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 6.0 min
k'_1 = 0.88
α = 2.43
reference 46



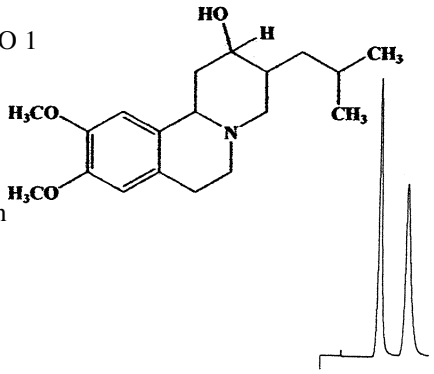
Chlormezanone

Chlormezanone
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (60/40)
Hexane/IPA
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 13.0 min
k'_1 = 4.48
α = 1.36
reference 46



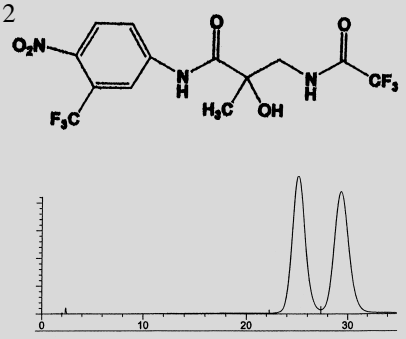
Dihydrotetrabenazine

Dihydrotetrabenazine
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase =
(60/40) Hexane/IPA
+ 0.1% TFA
Flow Rate = 1.5 mL/min
Detection = UV 280 nm
Run Time = 9.3 min
k'_1 = 2.50
α = 1.65
reference 46



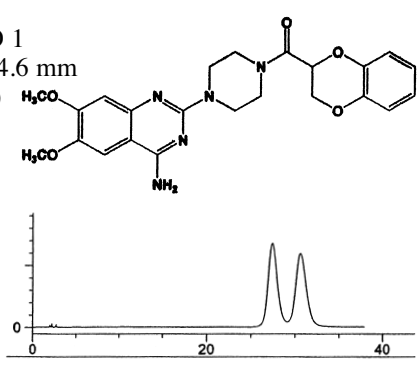
Fluridil

Fluridil
Column = (S,S)-Whelk-O 2
25 cm x 4.6 mm
Mobile Phase =
(57/43)
H_2O/CH_3OH
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
k'_1 = 12.9
α = 1.18
reference 46



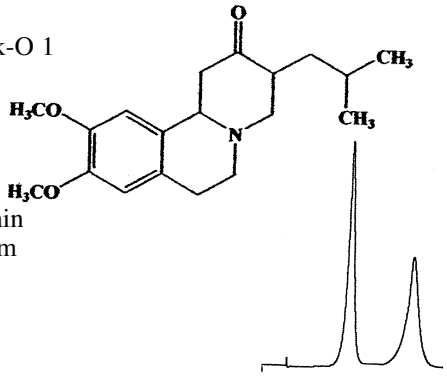
Doxazosin

Doxazosin
Column = (S,S)-Whelk-O 1
10/100 (FEC) 25 cm x 4.6 mm
Mobile Phase = (66/29/5)
Hexane/CH_2Cl_2/
Ethanol + 5 mM
Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
k'_1 = 14.2
α = 1.13
reference 46



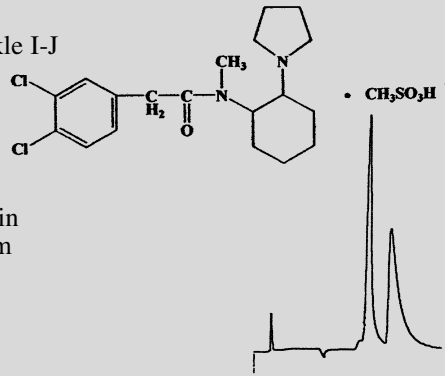
Tetrabenazine

Tetrabenazine
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase =
(55/45) Hexane/IPA
+ 0.1% TFA
Flow Rate = 1.5 mL/min
Detection = UV 280 nm
Run Time = 13.4 min
k'_1 = 3.35
α = 1.93
reference 46



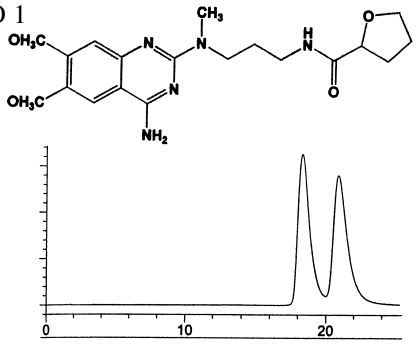
trans-U-50488H

trans-U-50488H
Column = (3R,4S)-Pirkle I-J
25 cm x 4.6 mm
Mobile Phase = (92/8)
Hexane/Ethanol +
0.01 M Ammonium
Acetate
Flow Rate = 2.0 mL/min
Detection = UV 220 nm
Run Time = 12.0 min
k'_1 = 6.71
α = 1.27
reference 46



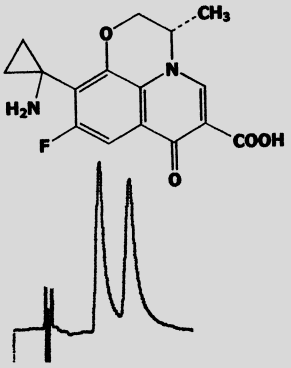
Alfuzosin

Alfuzosin
Column = (R,R)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (68/28/4)
Hexane/CH_2Cl_2/
Ethanol + 4 mM
Ammonium Acetate
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
k'_1 = 7.37
α = 1.15
reference 46



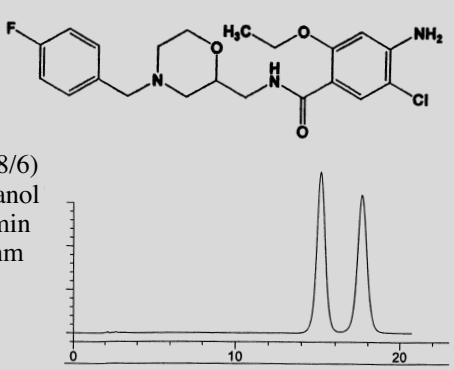
Pazufloxacin

Pazufloxacin
Column = (S,S)-Whelk-O 1
10/100 (FEC) 25 cm x 4.6 mm
Mobile Phase = (40/40/20)
CH_2Cl_2/Hexane/IPA
+ 0.15% TFA
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 6.7 min
k'_1 = 1.71
α = 1.58
reference 46



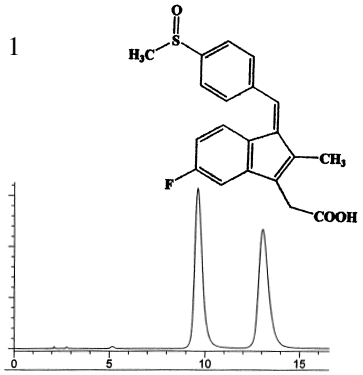
Mosapride

Mosapride
Column = (R,R)-
Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (66/28/6)
Hexane/CH_2Cl_2/Ethanol
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
k'_1 = 7.37
α = 1.19
reference 46



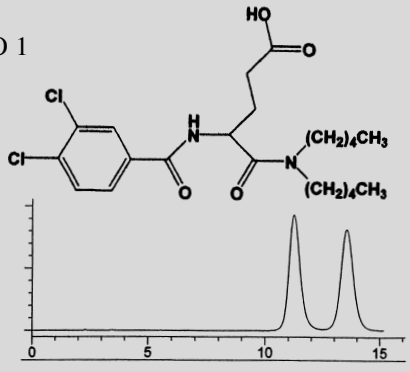
Sulindac

Sulindac
Column = (R,R)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (48/48/4)
Hexane/CH_2Cl_2/IPA
+ 0.1% Acetic acid
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
k'_1 = 4.32
α = 1.45
reference 46



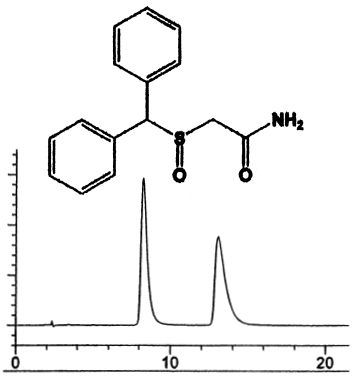
Lorglumide

Lorglumide
Column = (R,R)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA
+ 0.1% Acetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
k'_1 = 5.22
α = 1.25
reference 46



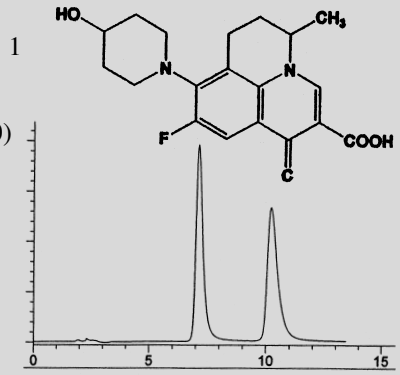
Modafinil

Modafinil
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (65/35)
Hexane/IPA
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
k'_1 = 3.57
α = 1.75
reference 46



Nadifloxacin

Nadifloxacin
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase = (45/45/10)
CH_2Cl_2/Hexane/IPA
+ 10 mM Ammonium
Acetate
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
k'_1 = 2.95
α = 1.58
reference 46



Idazoxan

Idazoxan
Column = (S,S)-Whelk-O 1
10/100 (FEC) 25 cm x 4.6 mm
Mobile Phase = (70/29/1)
Hexane/Methylene
Chloride/IPA
+ 0.1% TEA
Flow Rate = 2.0 mL/min
Dtection - UV 254 nm
k'_1 = 5.86
α = 1.23
reference 46