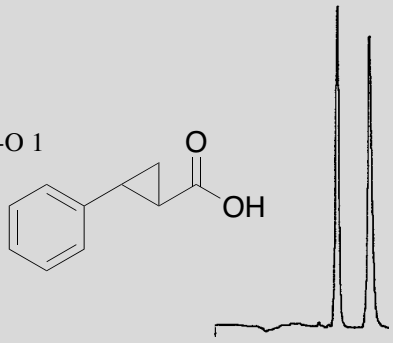
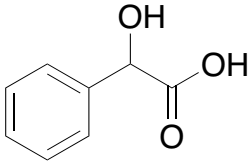
2-Phenylcyclopropane Carboxylate

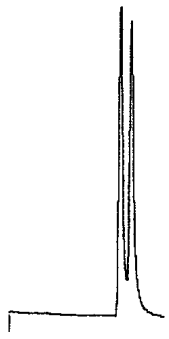
2-Phenylcyclopropane
Carboxylate
99:1 hexane/IPA
1 ml/min; 220 nm
Run Time = 18 min
4.6 mm x 25 cm Whelk-O 1
$k'_1 = 4.19$
$\alpha = 1.34$
reference 18



Mandelic Acid

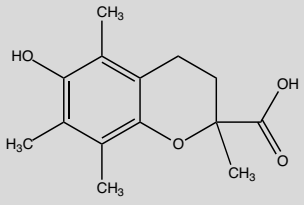
Mandelic Acid
0.1% HOAc in water
1 ml/min; 254 nm
Run Time = 13 min
4.6 mm x 25 cm Whelk-O 1
$k'_1 = 3.08$
$\alpha = 1.13$
reference 18



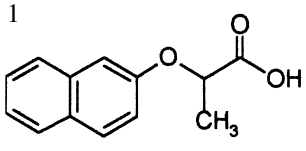


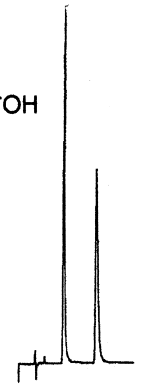
Trolox

Column = (R,R)-ULMO
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA +
0.1% Acetic acid
Flow Rate = 1.5 mL/min
Detection = UV 280 nm
Run Time = 12.5 min
$k'_1 = 2.18$
$\alpha = 2.68$
reference 46



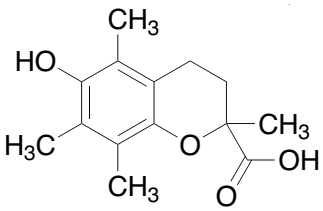
Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA + 0.1%
Trifluoroacetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 8.5 min
$k'_1 = 2.03$
$\alpha = 2.10$
reference 49

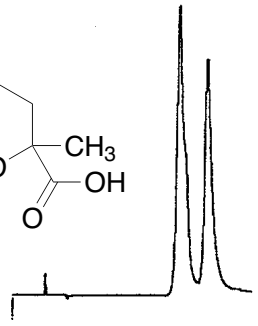




Trolox

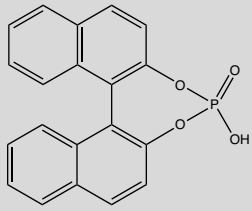
Trolox
95:5:0.1 hexane/IPA/HOAc
1 ml/min; 254 nm
Run Time = 19 min
4.6 mm x 25 cm
Whelk-O 1
$k'_1 = 5.09$
$\alpha = 1.21$
reference 18

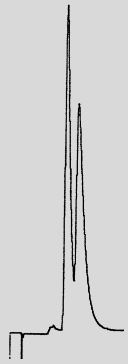




1,1'-binaphthyl-2,2'-diylhydrogen phosphate

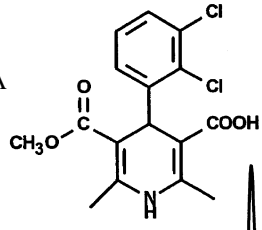
56:44 H_2O/MeOH, 0.1%
HOAc
1 ml/min; 254 nm
Run Time = 18 min
4.6 mm x 25 cm Whelk-O 1
$k'_1 = 4.46$
$\alpha = 1.27$

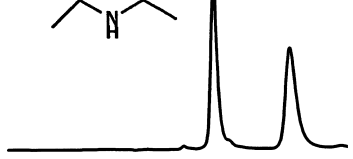




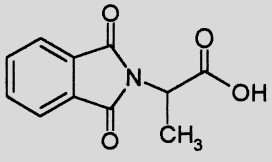
Calcium Channel Blocker

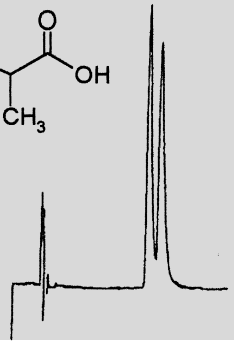
Column = (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase = (99/1)
Heptane/IPA + 0.1% TFA
Flow Rate = 1.0 mL/min
Detection = UV 230 nm
Run Time = 6 min
$k'_1 = 0.55$
$\alpha = 2.06$
reference 48



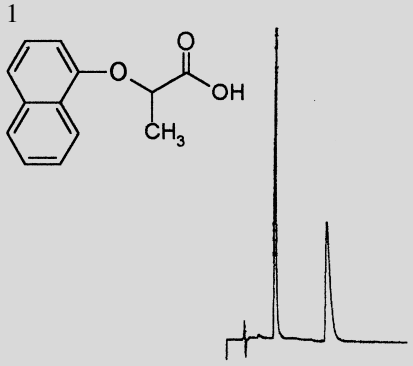


Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA + 0.1%
Trifluoroacetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 8.5 min
$k'_1 = 4.20$
$\alpha = 1.11$
reference 50

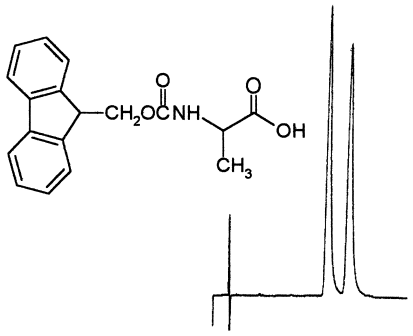




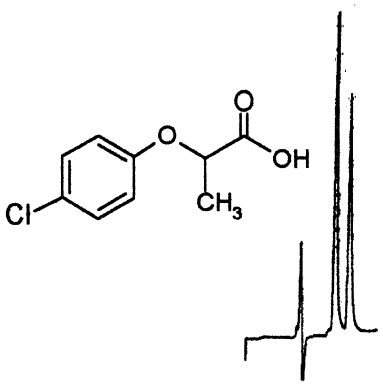
Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA + 0.1%
Trifluoroacetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 10.0 min
k'_1 = 2.07
α = 2.62
reference 49



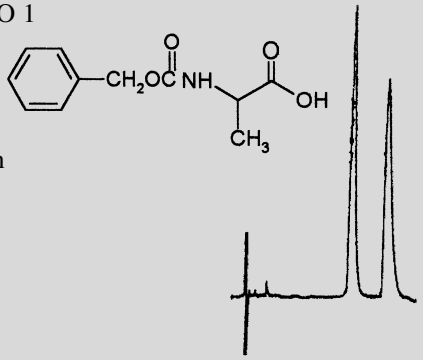
Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA + 0.1%
Trifluoroacetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 14.5 min
k'_1 = 7.24
α = 1.22
reference 50



Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1%
Trifluoroacetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 3.5 min
k'_1 = 0.84
α = 1.36
reference 49

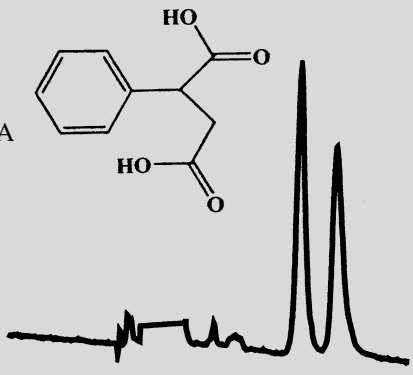


Column = (S,S)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA + 0.1%
Trifluoroacetic Acid
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 11.5 min
k'_1 = 5.44
α = 1.34
reference 50



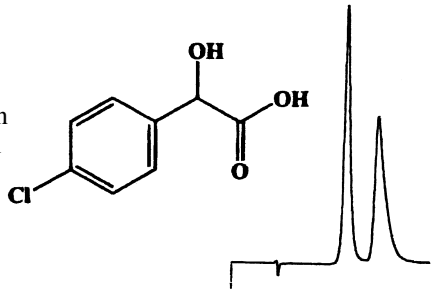
Phenylsuccinic Acid

Phenylsuccinic Acid
Column = (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase = (95/5)
Hexane/IPA + 0.1% TFA
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 8.5 min
k'_1 = 1.71
α = 1.22
reference 48



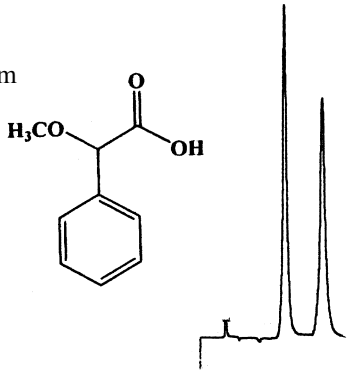
4-Chloromandelic Acid

4-Chloromandelic Acid
Column = (R,R)-Whelk-O 2
25 cm x 4.6 mm
Mobile Phase = (70/30)
H_2O/CH_3OH
+ 0.1% Acetic Acid
Flow Rate = 1.0 mL/min
Detection = UV 254 nm
Run Time = 10.0 min
k'_1 = 1.95
α = 1.43
reference 46



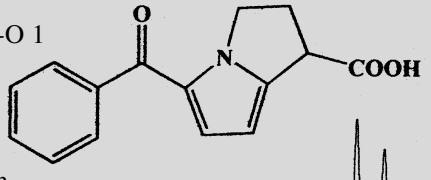
α-Methoxyphenyl Acetic Acid

α-Methoxyphenyl Acetic Acid
Column = (S,S)-Whelk-O 1
10/100 (FEC) 25 cm x 4.6 mm
Mobile Phase = (90/10)
Hexane/Ethanol +
0.01 M Ammonium Acetate
Flow Rate = 1.5 mL/min
Detection = UV 220 nm
Run Time = 10.0 min
k'_1 = 2.96
α = 1.61
reference 46



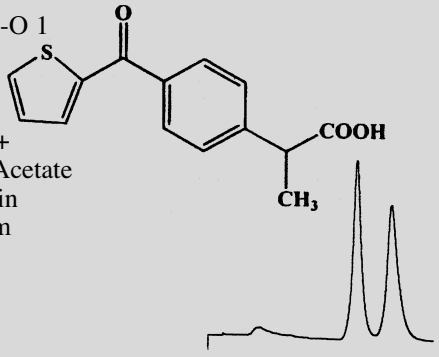
Ketorolac

Ketorolac
Column = (R,R)-Whelk-O 1
25 cm x 4.6 mm
Mobile Phase = (98/2)
Hexane/IPA +
0.1% TFA
Flow Rate = 1.5 mL/min
Detection = UV 254 nm
Run Time = 20.0 min
k'_1 = 8.87
α = 1.15
reference 46



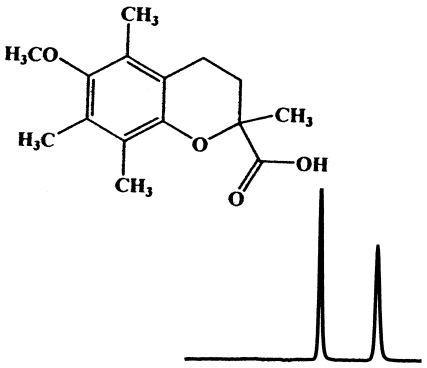
Suprofen

Suprofen
Column = (S,S)-Whelk-O 1
10/100 (FEC)
25 cm x 4.6 mm
Mobile Phase =
(80/20) Hexane/IPA +
0.01 M Ammonium Acetate
Flow Rate = 2.0 mL/min
Detection = UV 254 nm
Run Time = 18.0 min
k'_1 = 9.76
α = 1.27
reference 46



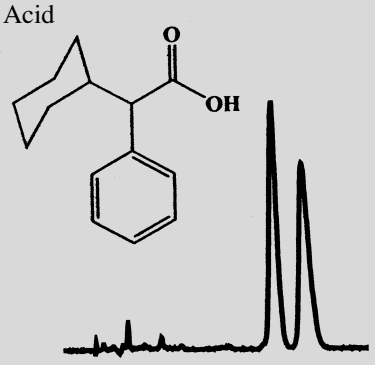
Trolox-methylether

Trolox-methylether
Column: (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
+ 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time = 6.0 min
k'_1 = 0.32
α = 2.50
reference 48



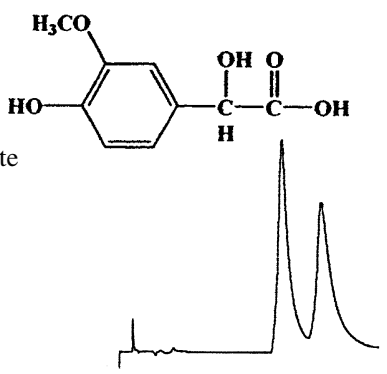
1-Cyclohexyl-1-phenylacetic Acid

1-Cyclohexyl-1-phenylacetic Acid
Column: (S,S)-ULMO 25 cm
x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time = 13.0 min
k'_1 = 2.53
α = 1.18
reference 48



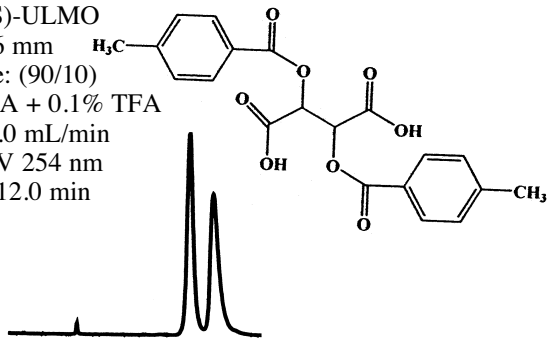
Vanilmandelic Acid

Vanilmandelic Acid
Column: (S,S)-Whelk-O 1
10/100 (FEC) 25 cm x 4.6
Moblie Phase: (85/15)
Hexane/Ethanol +
0.01 M Ammonium Acetate
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
Run Time: 22.0 min
k'_1 = 12.34
α = 1.27
reference 46



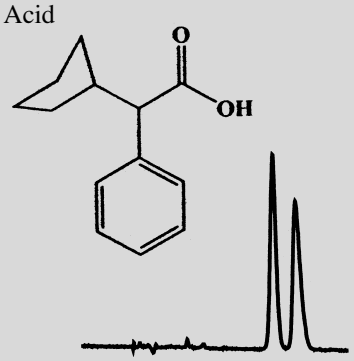
Ditoluoyltartaric Acid

Ditoluoyltartaric Acid
Column: (S,S)-ULMO
25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time = 12.0 min
k'_1 = 2.47
α = 1.19
reference 48



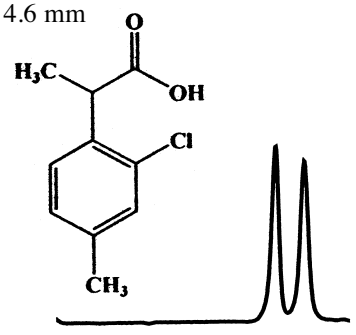
1-Cyclopentyl-1-phenylacetic Acid

1-Cyclopentyl-1-phenylacetic Acid
Column: (S,S)-ULMO 25 cm
x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time = 12.0 min
k'_1 = 2.46
α = 1.19
reference 48



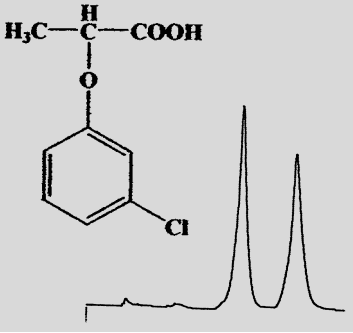
2-(2-Chloro-4-methylphenoxy)propionic Acid

2-(2-Chloro-4-methylphenoxy)propionic Acid
Column: (S,S)-ULMO 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time = 11.0 min
k'_1 = 2.22
α = 1.11
reference 48



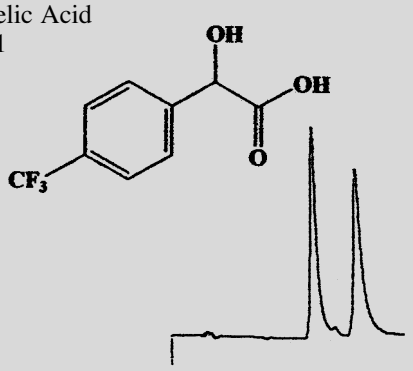
2-(3-Chlorophenoxy) Propionic Acid

2-(3-Chlorophenoxy) Propionic Acid
Column: (R,R)-Whelk-O 1
10/100 (FEC) 25 cm x 4.6
Moblie Phase: (99/1)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 17.0 min
k'_1 = 6.09
α = 1.42
reference 46



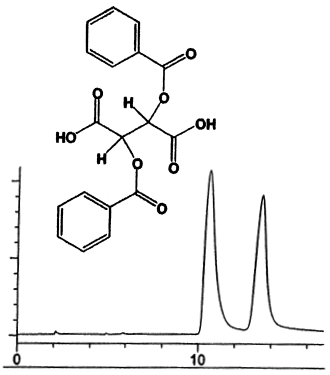
4-(Trifluoromethyl)mandelic Acid

4-(Trifluoromethyl)mandelic Acid
Column: (S,S)-Whelk-O 1
25 cm x 4.6
Moblie Phase: (92/8)
Hexane/Ethanol +
0.01 M Ammonium
Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 11.0 min
k'_1 = 3.59
α = 1.40
reference 46



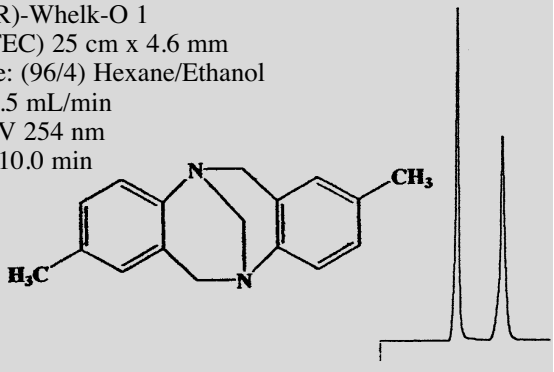
2,3-Dibenzoyl-Tartaric Acid

2,3-Dibenzoyl-Tartaric Acid
Column: (R,R)-ULMO
10/100 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol +
10 mM Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k'_1 = 4.87
α = 1.33
reference 46

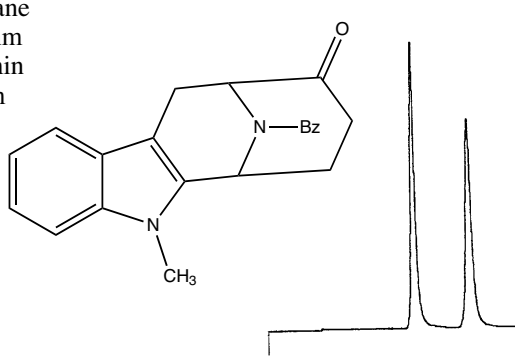


Troger's Base

Column: (R,R)-Whelk-O 1
(10/100) (FEC) 25 cm x 4.6 mm
Mobile Phase: (96/4) Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time = 10.0 min
k'_1 = 2.52
α = 1.80
reference 46



30% EtOH/hexane
1 ml/min; 254 nm
run time = 18 min
4.6 mm x 25 cm
Whelk-O 1
k'_1 = 2.46
α = 2.09
reference 18



trans-11,12-Diamino-9,10-dihydro-9,10-ethanoanthracene

trans-11,12-Diamino-9,10-
dihydro-9,10-ethanoanthracene
Column = ChiroSil® RCA(+)
15 cm x 4.6 mm
Mobile Phase = (80/20)
CH_2OH/H_2O
+ 0.1% Phosphoric acid
Flow Rate = 1.0 mL/min
Detection = UV 220 nm
Run Time = 10.7 min
k'_1 = 3.22
α = 1.65
reference 46