



CHIRAL HANDBOOK

HPLC & SFC Separations



BGB GC|LC
MS|CE

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TECHNOLOGIES, INC.

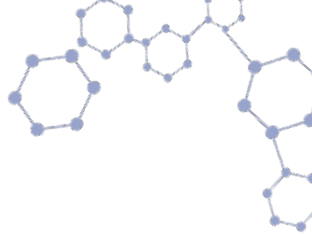


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A resource built from nearly 50 years of experience

Regis is pleased to present its inaugural edition of the Chiral Handbook. This definitive resource contains over 800 chiral applications using a variety of chiral column types as well as method development guidance and a Frequently Asked Question section.

Don't see the application you are looking for? Regis maintains a dedicated chiral separations laboratory that provides free chiral screening to identify the best column for your separation. For the latest applications and resources, please contact Regis or visit our website (www.chiral.com) for the most up-to-date information.

Since 1970, Regis Technologies, Inc. has been a leader in HPLC and SFC chiral separations and purification services. We are proud to be a trusted supplier of high quality chromatography products and unique chiral stationary phases.

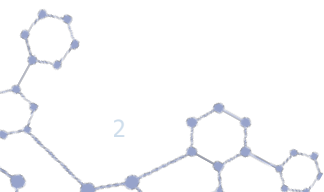
Regis offers three different types of Chiral Stationary Phases (CSPs):

- Covalently bonded Pirkle-Type
- Coated Polysaccharide
- Covalently bonded 18 Crown-ether

All columns are available in analytical to preparative sizes as well as custom sizes.

Chiral Separations

One of the biggest challenges is finding the best column for separating compounds of various types, as there is no universal chiral stationary phase, and predicting which chiral stationary phase will provide the best separation is difficult. Unlike many normal phase or reversed-phase separations, chiral separations do not simply depend on hydrophobicity. Chiral separations depend highly on the differences in orthogonality and planar shape between the two stereoisomers and their interaction with the stationary phase. The CSP interacts with analyte enantiomers to form short-lived, transient diastereomeric complexes. The binding strength of one of those complexes will be stronger than the other, resulting in differences in retention times for the enantiomer pair. Often, more than one column may provide some separation, but in many cases only one column or possibly two will provide adequate resolution of the enantiomers. Therefore, screening of multiple columns is often needed to find the right column for separation.





Chiral Screening

Regis recommends building a small library of chiral columns that have broad applicability and durability for high volume screening. We offer a three-column screening kit containing our most popular chiral columns that cover the broadest spectrum of selectivity. These columns are available in a wide range of particle sizes and are packed at high pressures to allow for use with both HPLC and SFC.

Create your own chiral library with one of each of the following chiral stationary phases (CSPs):

- Whelk-O® 1: an extremely durable, covalently bonded CSP with unique selectivity and ability to invert elution order
- RegisPack®: a polysaccharide (amylose) coated CSP with broad selectivity
- RegisCell®: a polysaccharide (cellulose) coated CSP with complementary selectivity

Method Development - HPLC

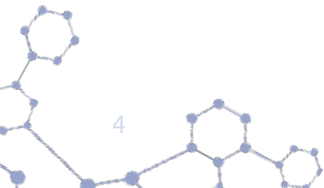
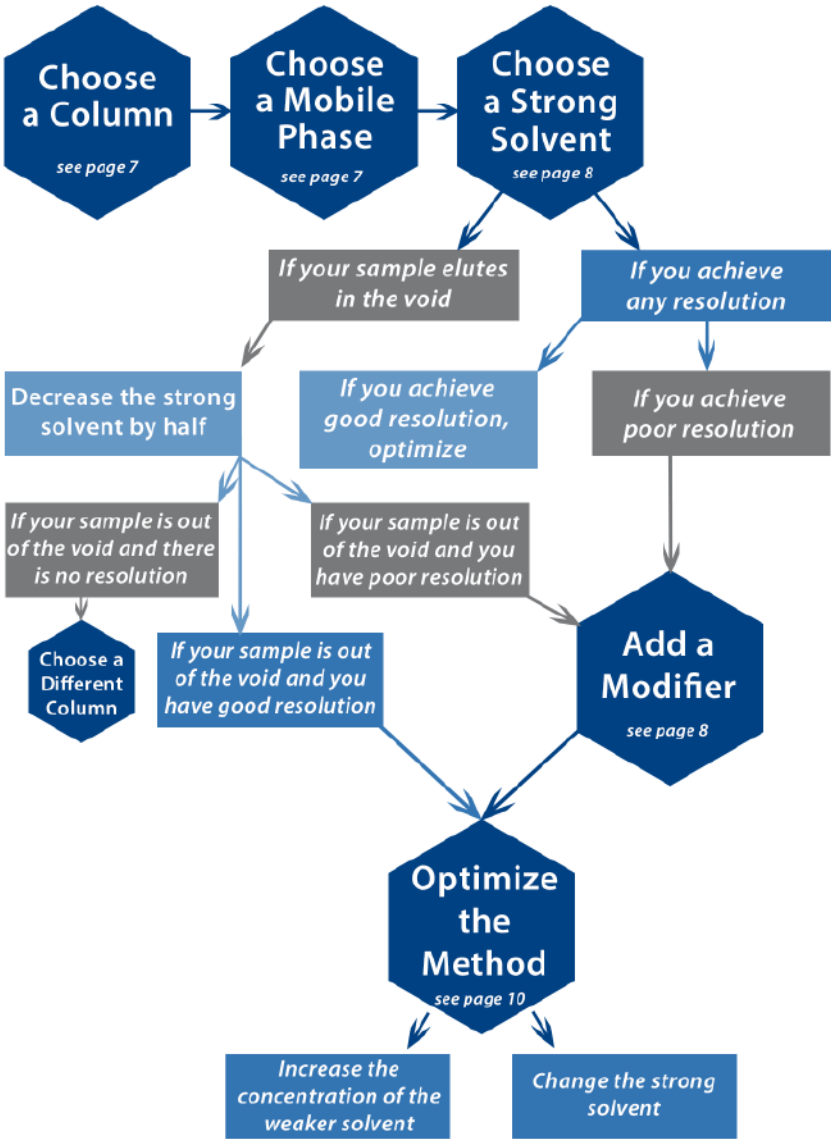
The ability to achieve separation of two enantiomers is measured by enantioselectivity, the value of the separation factor α for the two enantiomers. A pair of enantiomers is considered resolvable if $\alpha > 1.1$.

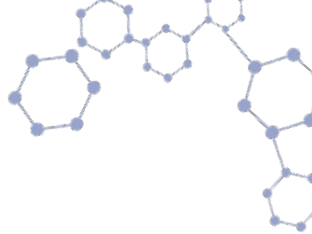
General Tips

- HPLC method development protocols are similar for all phases (Whelk-O 1, RegisCell, RegisPack, etc).
- There are some restrictions on solvents that may be used with RegisCell, RegisPack & RegisPack CLA-1 columns.
- There are no restrictions on solvents that may be used with the Whelk-O 1 column.

The RegisPack, RegisCell, and RegisPack CLA-1 columns can tolerate up to 60% water, but doing so will irreversibly alter the column. If the column is to be used with water, it is strongly recommended that the column be dedicated to reversed-phase only.

Quick Scheme Method Development





Method Development – Step by Step

STEP 1: Choosing the Appropriate Column

We recommend using the following sequence of columns to start your method development. When doing method development at Regis, the Whelk-O 1 is our first choice, as it exhibits a broad range of selectivity and has the ability to invert elution order if needed.

Order of Preference:

- Whelk-O 1 (Pirkle-type)
- RegisPack (Amylose)
- RegisCell (Cellulose)
- RegisPack CLA-1 (Chlorinated Amylose)
- Other Pirkle-type phases (ULMO, DACH-DNB, Leucine, Phenylglycine, etc)

First choice for amino acids and compounds containing primary amines:

- Chirosil (Crown Ether)
- Chirosil ME (Crown Ether)

Column Family	Solvent Restrictions	pH Range	Temp Range	Recommended Storage
Whelk-O1	None	2.5 - 7.5	0 - 40°C	100% Organic solvent
RegisPack/ RegisCell/ RegisPack CLA1	Do not use Acetone, Chloroform, Ethyl Acetate, DMF, DMSO, Methylene Chloride and THF; up to 60% water OK; acid and base modifiers should not exceed 0.5%	2.5 - 7.5	0 - 40°C	Hexane:IPA (90:10)
Chirosil	None	1.5 - 7.5	-5 - 50°C	100% Methanol
Other Pirkle Phases	None	2.5 - 7.5	0 - 40°C	100% Organic solvent

STEP 2: Choosing the Mobile Phase

Factors such as solubility and future considerations for preparative work usually help to determine whether to develop methods with reversed-phase or normal phase solvents. Pirkle-Type phases can be used in either mode, but typically perform best with normal phase solvents. Since many analytical chiral methods later scale up to preparative separations, we recommend using normal phase as a first approach. We suggest the starting mobile phase should be the strongest solvent combination that allows full sample solubility.

Normal Phase

- Hexane/IPA
- Hexane/Ethanol
- Hexane/CH₂Cl₂ *
- Hexane/CH₂Cl₂/Ethanol*
- Hexane/Ethyl Acetate*
- Heptane/Ethanol
- Methanol/CH₂Cl₂ *
- Ethanol/CH₂Cl₂ *
- Heptane/CH₂Cl₂ *

Reversed-Phase

- H₂O/Methanol
- H₂O/Ethanol
- H₂O/Acetonitrile
- H₂O/THF*

* Do not use these solvent systems with RegisCell, RegisPack or RegisPack CLA-1.

STEP 3: Choosing the Strong Solvent

Start with a high percentage (~50%) of strong solvent (normal phase - ethanol, IPA, etc.; reversed-phase – methanol, acetonitrile, etc.). Starting with a strong solvent ensures that all peaks will elute off the column quickly.

Sample: Naproxen

Column: (R,R) Whelk-O 1, 25 cm x 4.6 mm, 5µm

Mobile Phase: Hexane/Ethanol (50/50)

Flow Rate: 1.5 mL/min

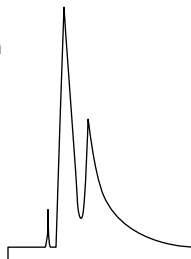
Detection: UV 254 nm

Run Time: 6.5 min

k': 1.37

α: 1.87

Rs: 1.59

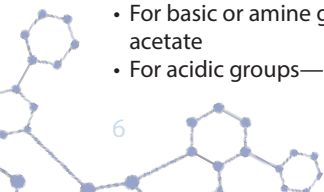


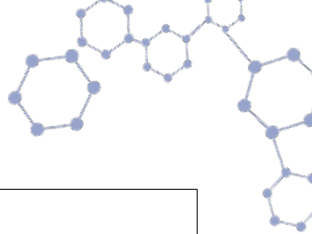
- If you achieve any resolution, such as the above sample, move on to Step 4.
- If your sample comes off in the void, decrease the strong solvent concentration by half.
- If your sample is now out of the void and you have resolution, move on to Step 4.
- If your sample is out of the void, and there is no resolution, choose a different column.

STEP 4: Adding a Mobile Phase Modifier

As you can see, the peak shape of the initial separation is very poor. To rectify this problem, a modifier is usually added. Concentration of the modifier should be kept as low as possible (between 0.1-0.5%). Recommended starting concentration is 0.1%. If you are satisfied with the peak shape, you do not need to add a modifier; move on to Step 5 and optimize your separation.

- For basic or amine groups—add triethylamine, diethylamine or ammonium acetate
- For acidic groups—add acetic acid, trifluoroacetic acid or ammonium acetate





Analyte	Modifier
Acid/Acid Salt	Acetic acid (0.1%-0.4%)
	Ammonium acetate (0.01M-0.1M)
	TFA* (0.1%-0.5%)
Amine/Amine Salt	TEA (0.1%-0.5%)
	DEA (0.1%-0.5%)
	Ammonium acetate (0.01M-0.1M)
Bifunctional	Ammonium acetate/TEA or DEA
	Acetic acid/TEA or DEA
	TEA or DEA/TFA*

*Use TFA only if absolutely necessary

Adding 0.1% TEA to the Mobile Phase

Sample: Naproxen

Column: (R,R) Whelk-O 1, 25 cm x 4.6 mm, 5 μ m

Mobile Phase: Hexane/Ethanol + **0.1% TEA (50/50)**

Flow Rate: 1.5 mL/min

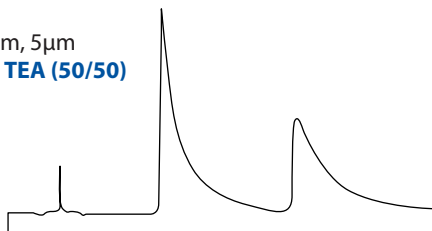
Detection: UV 254 nm

Run Time: 19.0 min

k': 4.63

α : 2.07

R_S: 4.14



Although resolution increased with the addition of 0.1% of triethylamine to the mobile phase, the peak shape is still very poor. Try adding a different modifier.

Adding 0.1% Acetic Acid to the Mobile Phase

Sample: Naproxen

Column: (R,R) Whelk-O 1, 25 cm x 4.6 mm, 5 μ m

Mobile Phase: Hexane/Ethanol + **0.1% Acetic Acid (50/50)**

Flow Rate: 1.5 mL/min

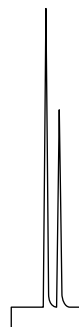
Detection: UV 254 nm

Run Time: 4.7 min

k': 0.87

α : 1.85

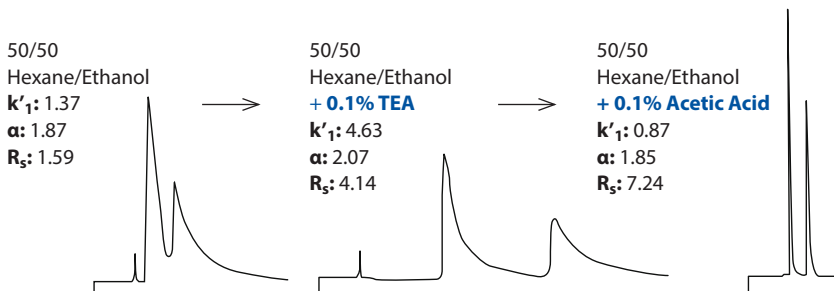
R_S: 7.24



Replacing TEA with Acetic Acid greatly improved peak shape while maintaining adequate resolution.

Recapping the First Four Steps:

For this sample, you can stop at 50/50 Hexane/Ethanol + 0.1% Acetic Acid if you are only looking for a basic method, or you can carry it forward to Step 5 and optimize.



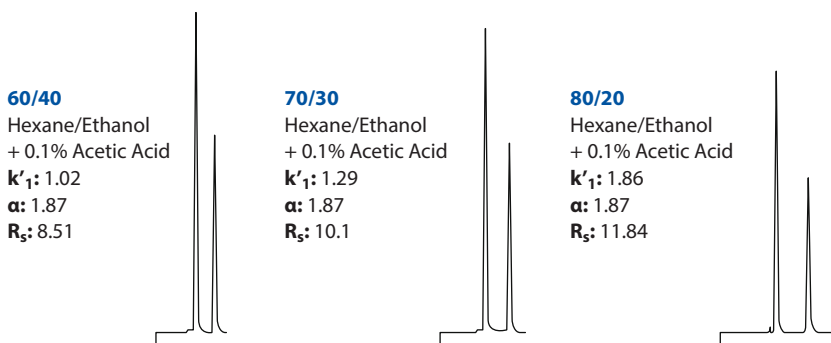
STEP 5: Optimizing your Method

Optimizing a chiral method is very similar to optimizing an achiral method. Changing mobile phase component concentrations and even the components themselves can dramatically change resolution.

Optimization of a chiral separation method can be as simple or as complicated as you want it to be. Different mobile phase components can be used; modifiers can be changed or eliminated; you can switch to reversed-phase solvents; and you can change columns. The possibilities are endless. We suggest you keep it as simple as possible. Once you have achieved an acceptable separation, move on to the next project. Small increases in resolution and alpha are usually not worth the time spent in method development to achieve those increases.

5a: Increasing the concentration of the weaker solvent.

Increasing the hexane concentration increased the resolution in this example.

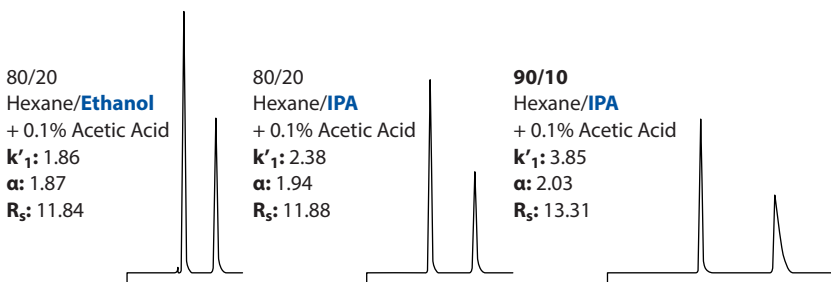




5b: Changing the strong solvent.

By substituting IPA for ethanol, we achieved an increase in both resolution and alpha. We gained even greater separation by reducing the concentration of the strong solvent, IPA.

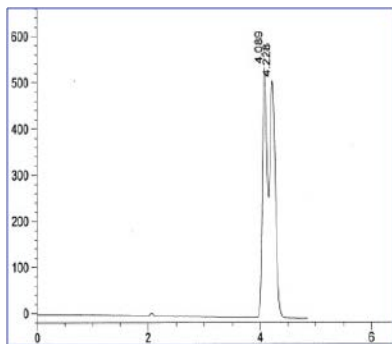
Example 1: Effect of Weakening the Strong Solvent



Example 2:

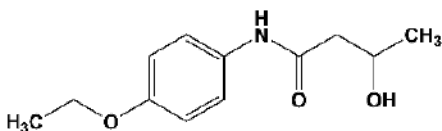
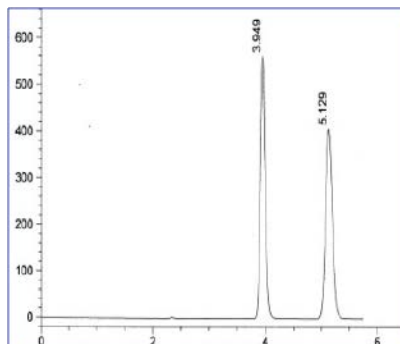
Mobile Phase:

Hexane/**Ethanol** (75/25)



Mobile Phase:

Hexane/**IPA** (75/25)



Sample: Bucetin

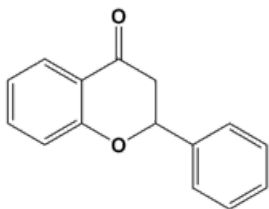
Column: RegisPack, 5 μ m,
25 cm x 4.6 mm

Flow Rate: 1.5 mL/min

UV: 254 nm

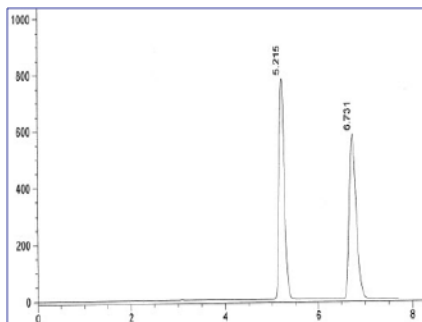
5c: Switching to reversed-phase separation mode

Switching to reversed-phase for separation of flavanone's isomers increased both resolution and retention time.



Sample: Flavanone

Normal Phase



Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: Hexane/Ethanol (90/10)

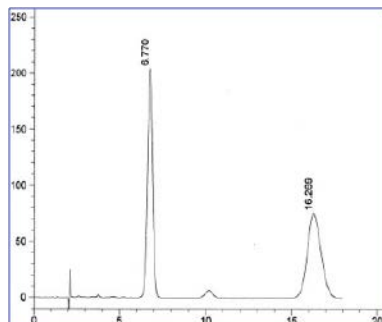
Flow Rate: 1.5 mL/min

UV: 254 nm

k'₁: 1.74

Selectivity: 1.46

Reversed-Phase



Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (95/5) CH₃OH/H₂O

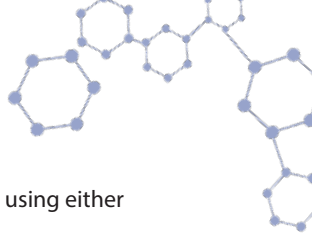
Flow Rate: 1.5 mL/min

UV: 254 nm

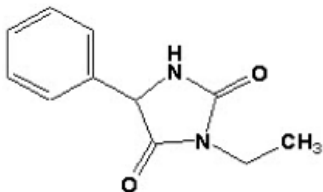
k'₁: 2.56

Selectivity: 2.95

Note: Do not switch RegisPack, RegisCell, or RegisPack CLA-1 between modes. Dedicate to normal- or reversed-phase.

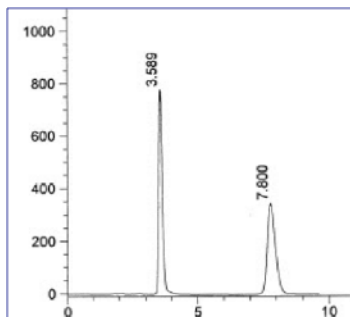


Adequate enantiomeric separation of Ethotoin can be obtained using either normal phase or reversed-phase methods.



Sample: Ethotoin

Normal Phase



Column: Whelk-O 1, 10 μ m, 25 cm x 4.6 mm

Mobile Phase: Hexane/Ethanol (60/40)

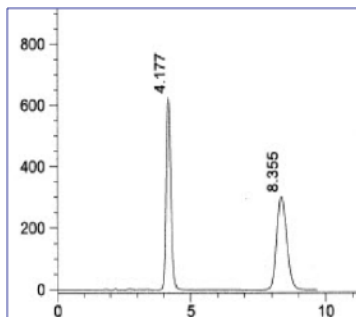
Flow Rate: 1.5 mL/min

UV: 220 nm

k'₁: 0.85

Selectivity: 3.58

Reversed-Phase



Column: Whelk-O 1, 10 μ m, 25 cm x 4.6 mm

Mobile Phase: CH₃OH/H₂O (70/30)

Flow Rate: 1.5 mL/min

UV: 220 nm

k'₁: 1.16

Selectivity: 2.87

Note: Whelk-O 1 can be switched between normal- and reversed-phase.

Method Development – SFC

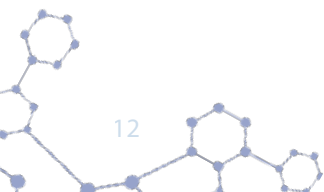
The ability to achieve separation of two enantiomers is measured by enantioselectivity, the value of the separation factor α for the two enantiomers. A pair of enantiomers is considered resolvable if $\alpha > 1.1$. Ideally, R_s values should be > 1.5 .

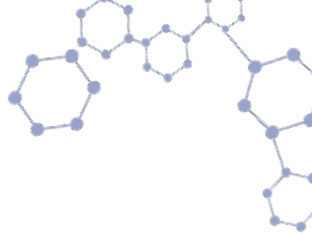
General Tips

- SFC method development protocols are similar for all phases (Whelk-O 1, RegisCell, RegisPack, etc)
- There are some restrictions on co-solvents that may be used with RegisCell, RegisPack & RegisPack CLA-1 columns
- There are no restrictions on co-solvents that may be used with Whelk-O 1 columns

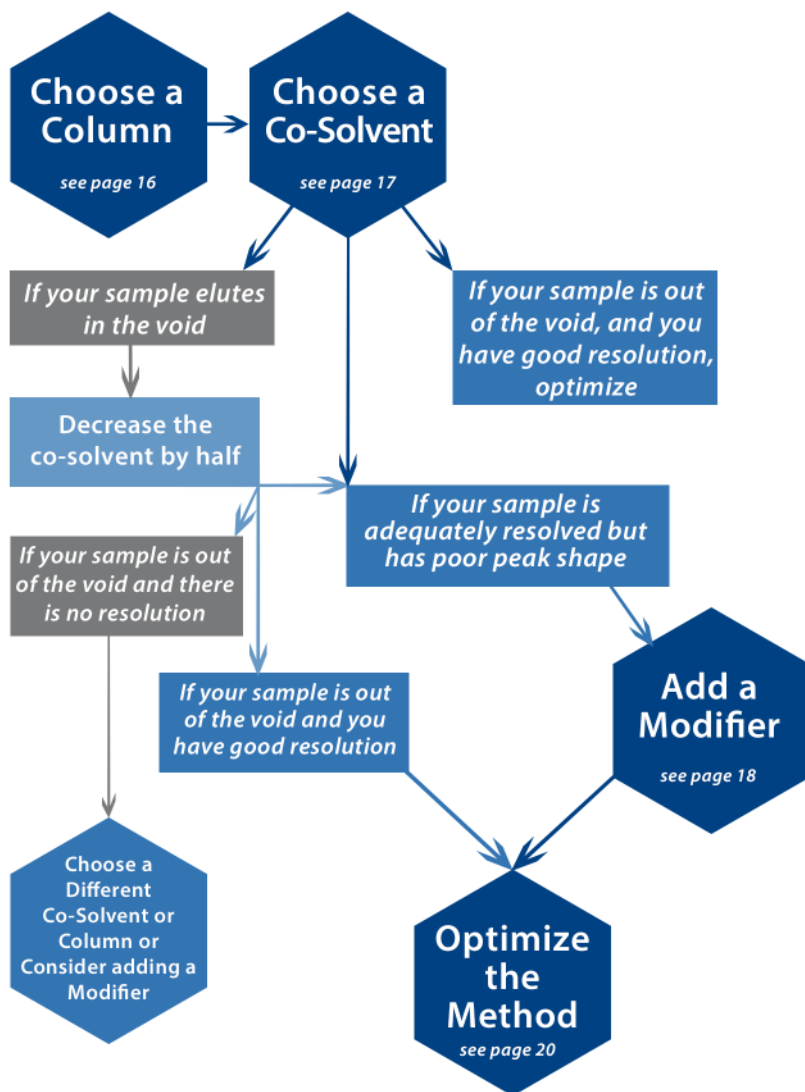
SFC Start-Up Tips:

- Rinse the column with ethanol or IPA before connecting to your SFC system, since CO_2 is very inefficient at removing hexane
- It is not necessary to dedicate a column to SFC work, but it is highly recommended





Quick Scheme SFC Method Development



Method Development – Step by Step

STEP 1: Choosing the Appropriate Column

We recommend using the following sequence of columns to start your method development. When doing method development at Regis, the Whelk-O 1 is our first choice, as it exhibits a broad range of selectivity and has the ability to invert elution order if needed.

Order of Preference:

- Whelk-O 1 (Pirkle-type)
- RegisPack (Amylose)
- RegisCell (Cellulose)
- RegisPack CLA-1 (Chlorinated Amylose)
- Other Pirkle-type phases (ULMO, DACH-DNB, Leucine, Phenylglycine, etc)

First choice for amino acids and compounds containing primary amines:

- Chirosil (Crown Ether)
- Chirosil ME (Crown Ether)

STEP 2: Choosing the Mobile Phase

Supercritical carbon dioxide is the main component of the mobile phase in SFC separations.

Often an organic co-solvent is needed to achieve adequate separation. In choosing an optimal co-solvent, the highest priority is to obtain suitable separation and resolution of your racemic compounds. Another important consideration is the ability of the co-solvent to solubilize the sample, which becomes critical when scaling up to a preparative separation.

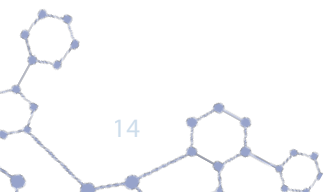
Typical SFC Co-Solvent Systems:

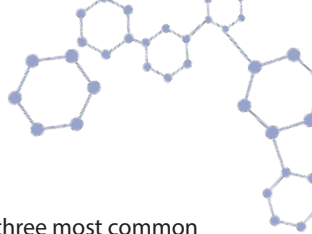
Polysaccharide CSP's

- Isopropyl Alcohol (IPA)
- Ethanol (EtOH)
- Methanol (MeOH)
- Acetonitrile (ACN)
- Combinations of the above solvents

Pirkle-Type CSP's

- Ethanol (EtOH)
- Isopropyl Alcohol (IPA)
- Methanol (MeOH)
- Acetonitrile (ACN)
- Methylene Chloride (CH_2Cl_2)
- Tetrahydrofuran (THF)
- Ethyl Acetate ($\text{CH}_3\text{COONH}_4$)
- Chloroform (CHCl_3)
- Combinations of the above solvents





STEP 3: Co-Solvent Selection

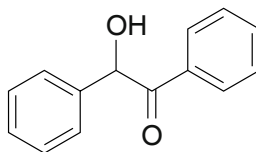
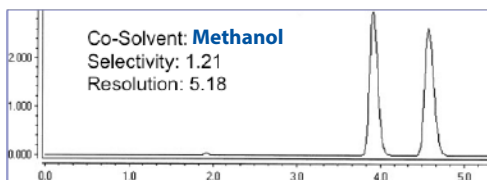
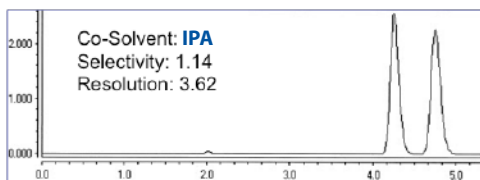
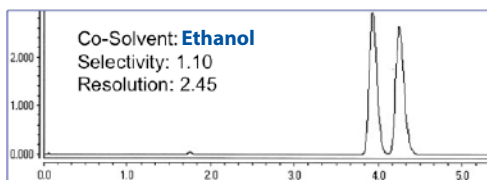
The majority of compounds can be separated using one of the three most common alcohols as a co-solvent: isopropyl alcohol, ethanol, or methanol. A modifier may also be necessary to improve peak shape and resolution.

A ratio of 80:20, CO₂:Co-Solvent (isopropyl alcohol, ethanol, or methanol) is a good starting point.

- If your sample elutes in the void, decrease the co-solvent by half. If your sample still elutes in the void, change to a different co-solvent.
- If your sample is out of the void and you have adequate resolution, move on to Step 4.
- If your sample is out of the void, and there is no resolution, choose a different co-solvent, considering adding a modifier, or choose a different column.

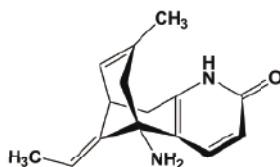
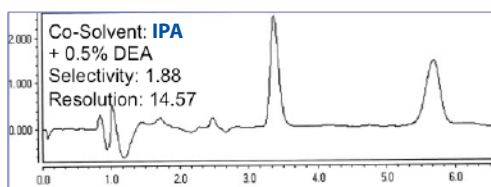
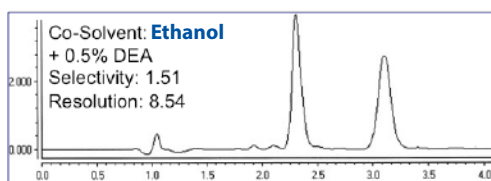
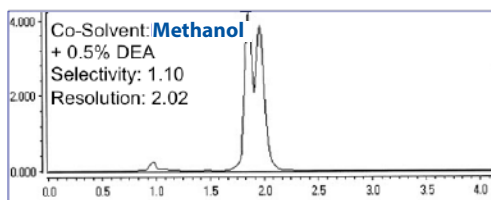
Examples of the effect of various co-solvents on the separation:

Methanol is the co-solvent that enables the best enantiomeric separation of Benzoin.



Sample: Benzoin
Column: RegisPack, 5 μ m,
25 cm x 4.6 mm
Mobile Phase: (85/15)
CO₂/Co-Solvent
Flow Rate: 4.0 mL/min
Temp: 40° C
Pressure: 125 bar
UV: 254 nm
Instrument:
THAR SFC Method Station

Isopropanol is the co-solvent that enables the best enantiomeric separation of Huperzine



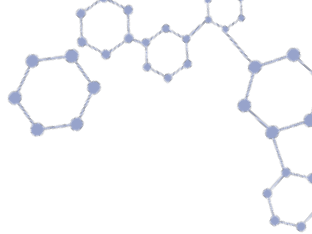
Sample: Huperzine
Column: RegisPack, 5 μ m,
25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/Co-Solvent + 0.5% DEA
Flow Rate: 4.0 mL/min
Temp: 40° C
Pressure: 125 bar
UV: 220 nm
Instrument:
THAR SFC Method Station

STEP 4: Adding a Co-Solvent Modifier

It is sometimes necessary to add a co-solvent modifier to improve resolution and/or peak shape. Concentration of the modifier should be kept as low as possible (between 0.1 – 0.5%). Recommended starting concentration is 0.1%.

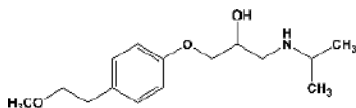
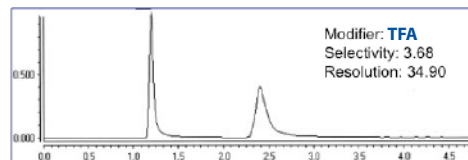
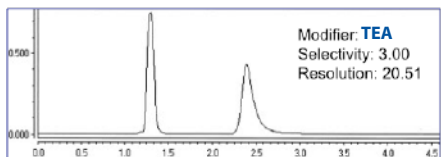
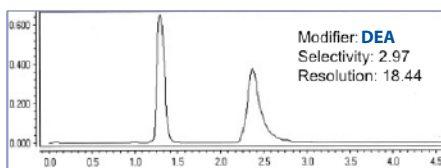
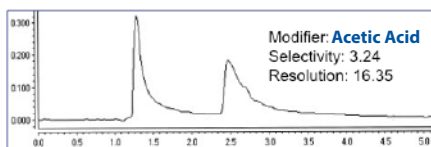
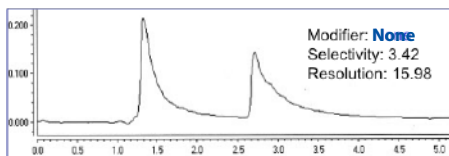
Typical SFC Co-Solvent Modifiers for Polysaccharide and Pirkle-Type CSP's:

- Acetic Acid
- Triethylamine (TEA)
- Diethylamine (DEA)
- Trifluoroacetic Acid (TFA)
- Ammonium Acetate



Effect of changing the co-solvent modifier:

Triethylamine produces the best resolution and peak shape for Metoprolol's isomers.



Sample: Metoprolol

Column: RegisCell, 5 μ m,
25 cm x 4.6 mm

Mobile Phase: (80/20)
CO₂/Ethanol + 0.5% Modifier

Flow Rate: 4.0 mL/min

Temp: 40° C

Pressure: 125 bar

UV: 280 nm

Instrument:

THAR SFC Method Station

STEP 5: Optimizing your Method

Optimization of a chiral separation method can be as simple or as complicated as you want it to be. We suggest you keep it as simple as possible. Once you have achieved an acceptable separation, move on to the next project. Small increases in resolution and alpha are usually not worth the time spent in method development to achieve those increases.

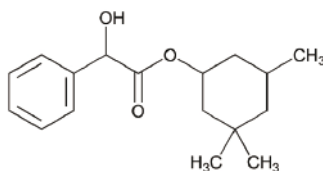
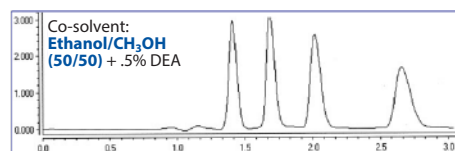
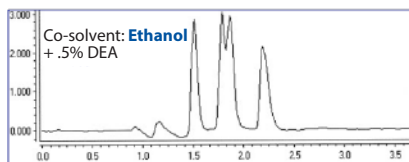
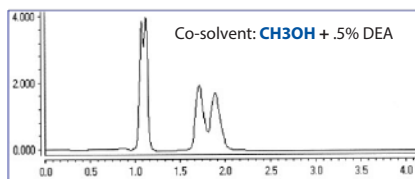
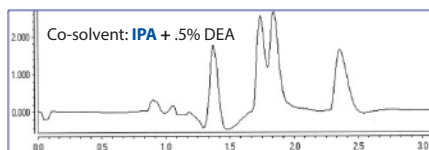
Options for optimizing a method:

- Change the co-solvent
- Increase or decrease co-solvent concentration
- Change the co-solvent modifier
- Use a dual co-solvent

Effect of Dual Co-Solvents:

Employing a dual co-solvent system can help separate compounds with multiple chiral centers.

In this case, a dual co-solvent system is the only way to achieve baseline separation for all four isomers of cyclandelate.



Sample: Cyclandelate

Column: RegisPack CLA-1, 5 μ m,
25 cm x 4.6 mm

Mobile Phase: (75/25)
CO₂/Co-solvent + 0.5% DEA

Flow Rate: 4.0 mL/min

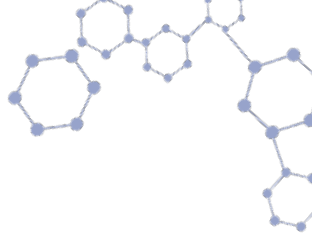
Temp: 40° C

Pressure: 125 bar

UV: 220 nm

Instrument:

THAR SFC Method Station



PIRKLE-TYPE CHIRAL STATIONARY PHASES

Advantages of the Pirkle-Type Chiral Stationary Phases

- Long lasting, robust columns
- Bonded selector will not leach off the silica gel
- Tolerates sample overload
- Compatible with strong solvents for cleaning
- Columns are fully reversible
- Compatible with SFC and SMB applications
- High Capacity

Universal Solvent Capability

The entire family of Regis' Pirkle-Type Chiral Stationary Phases (CSPs) can be used with both normal- and reversed-phase solvents. Since all of the Pirkle-Type CSPs are covalently bonded, the columns can tolerate all commonly used mobile phase combinations.

Column Durability

Another advantage of covalent bonding is column durability.

Ability to Invert Elution Order

All of the Pirkle-Type CSPs are available in both enantiomeric forms. This allows the chromatographer to invert the elution order of the enantiomers by simply switching columns. This advantage is essential when determining enantiomeric purity when the trace enantiomer should elute before the major. Elution order is also important in preparative chromatography because when the desired enantiomer elutes first, purity and production efficiency increases.

Chromatographic Efficiency

Unlike most chiral columns on the market, Pirkle-Type chiral columns show excellent chromatographic efficiency. The high density of binding sites allows larger amounts of sample to be injected without major changes in column performance.

Ease of Scale Up

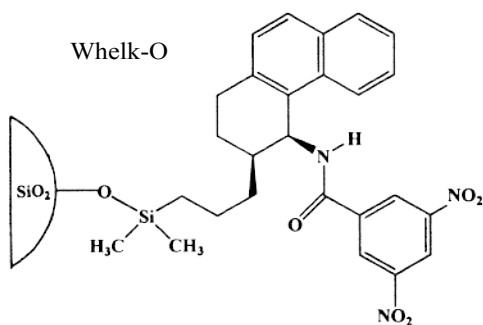
Pirkle-Type CSPs were designed to allow scale up from analytical to preparative in a linear fashion. Regis uses the highest grade spherical silica gels available, and synthesis of the chiral selectors, bonding, and column packing is all performed by Regis in one facility. This gives Regis total control over product quality.

Pirkle Chiral Stationary Phases

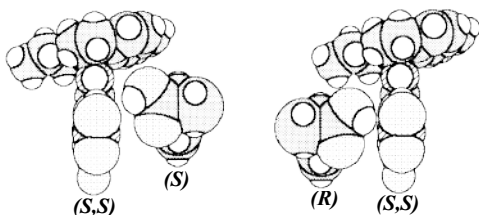
Pirkle Chiral Stationary Phases generally fall into three classes: π -electron acceptor/ π -electron donors, the π -electron acceptors and the π -electron donors. With Pirkle phases, chiral recognition occurs at binding sites. Major binding sites are classified as π -basic or π -acidic aromatic rings, acidic sites, basic sites, and steric interaction sites. Aromatic rings are potential sites for π - π interactions. Acidic sites supply hydrogens for potential intermolecular hydrogen bonds-the hydrogen is often an

amido proton (N-H) from an amide, carbamate, urea, or amine. Basic sites, such as π - electrons, sulfinyl or phosphinyl oxygens, and hydroxy or ether oxygens, may also be involved in hydrogen bond formation. Steric interactions may also occur between large groups.

π -Electron Acceptor/ π -Electron Donor Phases

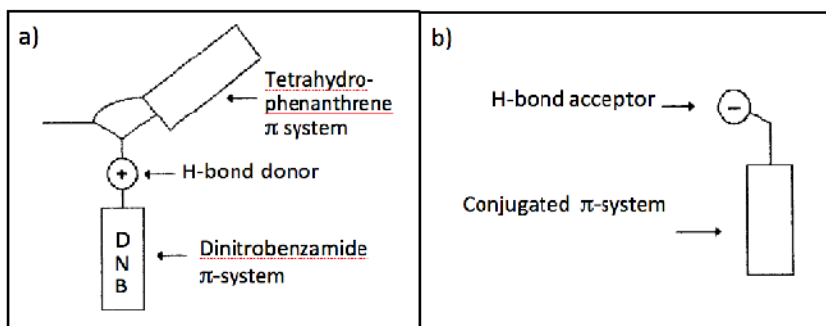
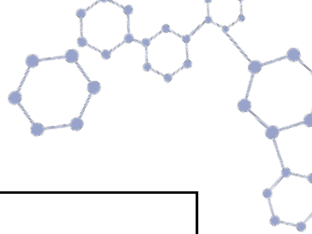


- WHELK-O 1
- WHELK-O 2
- ULMO



WHELK-O 1

The Whelk-O 1 Chiral Stationary Phase is based on 1-(3,5-Dinitrobenzamido)-1,2,3,4,-tetrahydrophenanthrene. This phase allows separation of racemates from a number of families including amides, epoxides, esters, ureas, carbamates, ethers, aziridines, phosphonates, aldehydes, ketones, carboxylic acids, and alcohols. The Whelk-O 1 was originally designed for the separation of underivatized non-steroidal anti-inflammatory drugs (NSAIDs). This π -electron acceptor/ π -electron donor phase allows broad selectivity, allowing resolution of a wide variety of underivatized racemates. The broad versatility observed on the Whelk-O 1 column, compares favorably with polysaccharide-derived chiral stationary phases and in many cases offers alternate selectivity. In addition, because of its covalent nature, this chiral phase is compatible with all commonly used mobile phases, including aqueous systems—a distinct advantage over polysaccharide-derived chiral stationary phases. Other advantages include column durability, excellent efficiency, elution order inversion, and excellent loading capacity. Whelk-O 1 is available in a full range of particle sizes (1.8-, 3.5-, 5-, 10-, 16-, and 20 μ m) to serve small scale analytical separations up to large scale preparative work.

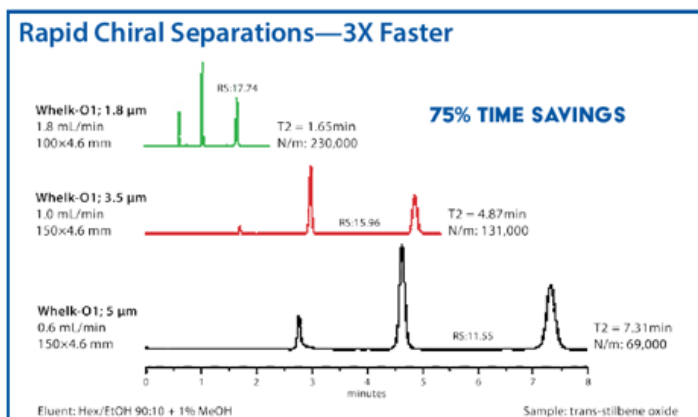


a) Schematic diagram showing key functional groups of the Whelk-O 1 involved in chiral recognition.

b) Schematic diagram showing generalized structure of analytes which are resolved on the Whelk-O 1.

Now available in 1.8µm UHPLC columns!

- Increase throughput and resolution—Great for rapid chiral screening
- 1.8µm fully porous particles for high efficiency separations in both UHPLC and UHPSFC
- Fully scalable phase from 1.8µm to 20µm, analytical to preparative size columns
- Invert peak elution order with availability of both enantiomeric phases for difficult separations
- Stable, long term performance for long column lifetimes at high flow rates and pressures



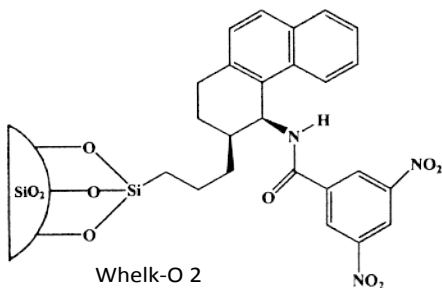
Sub-2µm particles provide very high efficiencies and resolution even at high flow rates, reducing analysis time and mobile phase consumption while increasing resolution. The Whelk-O 1 selector is bonded on 1.8µm totally porous silica for high

efficiency separations. Rapid screening of racemic mixtures can be obtained in a fraction of the time, improving throughput by greater than 3X. Whelk-O 1 sub-2 μ m columns are compatible with both UHPLC and UHPSFC separations.

WHELK-O 2

The Whelk-O[®] 2 CSP is the covalent trifunctional version of Whelk-O 1. Whelk-O 2 retains the same chiral selector but modifies the support to silica from a monofunctional linkage to a trifunctional. In most cases, the enantioselectivity remains the same allowing the separation of the analogous family of racemates as does the Whelk-O 1.

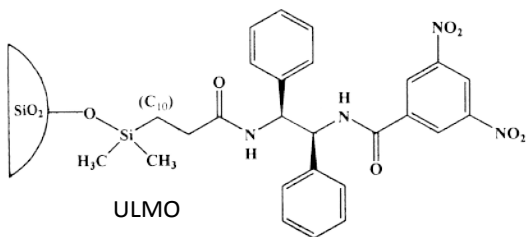
Whelk-O 2 was designed to enhance the stability of the stationary phase due to hydrolysis while using strong organic modifiers such as trifluoroacetic acid. The Whelk-O 2 is ideal for preparative separations since the material is bonded on 10 μ m, 100 Å spherical Kromasil silica. This allows the preparative chromatographer to perform method development on their analytical column and immediately scale up to larger diameter columns.

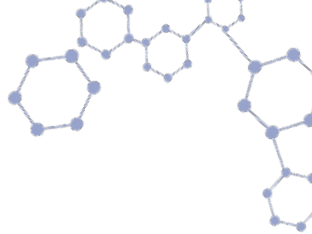


ULMO

The ULMO chiral stationary phase was developed by Austrian Researchers, Uray, Lindner, and Maier. This CSP has a general ability to separate enantiomers of many racemate classes, and is particularly good at separating enantiomers of aryl carbinols.

The ULMO CSP is based on a 3,5-Dinitrobenzoyl derivative of diphenylethylenediamine.





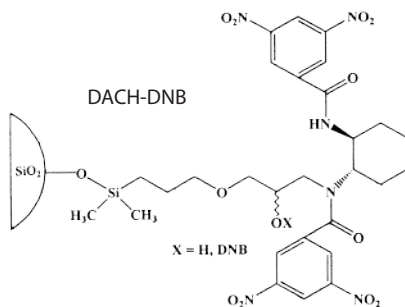
π -Electron Acceptor Phases

- DACH-DNB
- Pirkle 1-J
- α -Burke 2
- β -Gem 1
- Leucine
- Phenylglycine

The π -electron acceptor Pirkle Chiral Stationary Phases can be used to separate a wide range of enantiomers without derivatization, as demonstrated for the following classes of solutes: secondary benzyl alcohols, mandelic acid analogs, α -hydroxy- α -aryl phosphates, α -tetralol analogs, propranolol analogs, β -hydroxy-aryl sulfoxides, alkyl-aryl sulfoxides, diaryl sulfoxides, aryl-substituted cyclic phthalides, aryl-substituted lactams, aryl-substituted succinimides, aryl-substituted hydantoins, bi- β -naphthol and its analogs, and α -aryl acetamides.

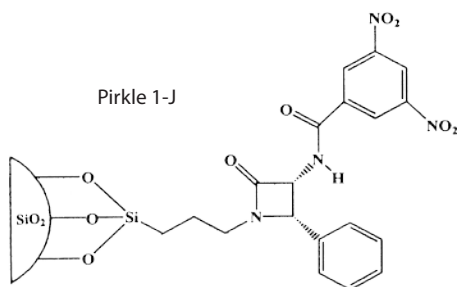
DACH-DNB

The DACH-DNB CSP was designed by Italian chemists Gasparri, Misiti and Villani at Sapienza University in Rome. The DACH-DNB CSP, which contains the 3,5-dinitrobenzoyl derivative of 1,2-diaminocyclohexane, has been found to resolve a broad range of racemate classes including amides, alcohols, esters, ketones, acids, sulfoxides, phosphine oxides, selenoxides, phosphonates, thiophosphineoxides, phosphineselenides, phosphine-boranes, β -lactams, organo-metallics, atropisomers and heterocycles.



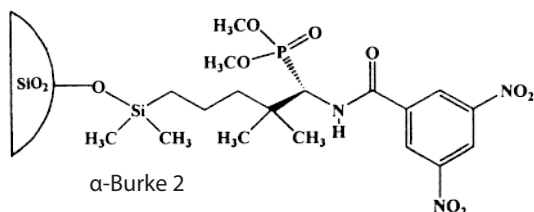
PIRKLE 1-J

The Pirkle 1-J CSP is based on 3-(3,5-Dinitrobenzamido)-4-phenyl- β -lactam. This unusual β -lactam structure significantly alters its molecular recognition properties. The Pirkle 1-J is useful for the direct separation of underivatized β -blocker enantiomers. It can also be used for the separation of the enantiomers of arylpropionic acid NSAIDs as well as other drugs.



α -BURKE 2

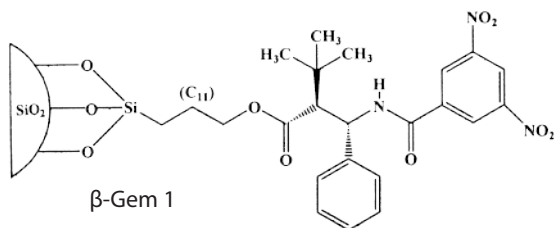
The α -Burke 2 phase, first prepared by J. A. Burke III, a graduate student of Dr. Pirkle, is derived from dimethyl N-3,5-dinitro-benzoyl- α -amino-2,2-dimethyl-4-pentenyl phosphonate. The α -Burke 2 has been specifically designed to directly separate the enantiomers of β -blockers without chemical derivatization, but this chiral phase also resolves the enantiomers of many compounds separated on π -acceptor Pirkle type chiral stationary phases.

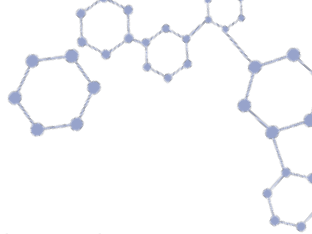


β -GEM 1

β -Gem 1 is a π -acceptor chiral stationary phase and is derived from N-3,5-dinitrobenzoyl-3-amino-3-phenyl-2-(1,1-dimethylethyl)-propanoate.

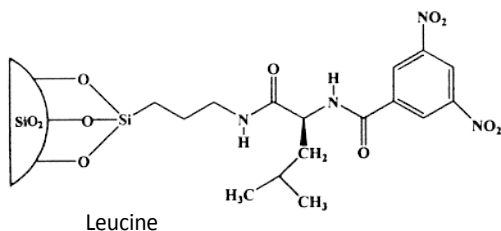
For many analytes, this chiral phase considerably outperforms its widely used analog, Phenylglycine. It can separate anilide derivatives of a wide variety of chiral carboxylic acids, including nonsteroidal anti-inflammatory agents.





LEUCINE

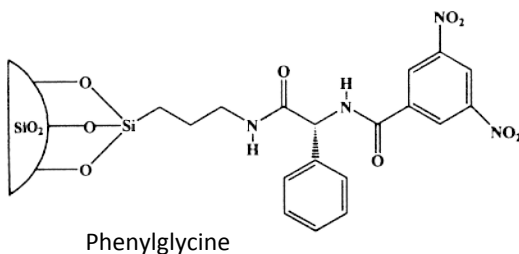
The leucine CSP is based on the 3,5-dinitrobenzoyl derivative of leucine. This π -acceptor phase demonstrates enhanced enantioselectivity for several classes of compounds, including benzodiazapines.



PHENYLGLYCINE

Our Phenylglycine column is based on a 3,5-dinitrobenzoyl derivative of phenylglycine.

This CSP resolves a wide variety of compounds which contain π -basic groups. These include: aryl-substituted cyclic sulfoxides, bi- β -naphthol and its analogs, α -indanol and α -tetralol analogs, and aryl-substituted hydantoins.



Polysaccharide Coated Chiral Stationary Phases

RegisPack and RegisCell

- Polysaccharide chiral columns with broad applicability for the separation of enantiomers
- High pressure limit (450 bar) allows faster runs and equilibration times
- Compatible with normal phase, reversed-phase, and SFC conditions
- RegisPack and RegisCell are coated phases with similar selectivities to the CHIRALPAK® AD and CHIRALCEL® OD respectively*

*All trademarks are property of the respective owners.

RegisPack polysaccharide coated chiral columns are made using a unique production process of coating the chiral selector tris-(3,5-dimethylphenyl) carbamoyl amylose on high purity silica gel.

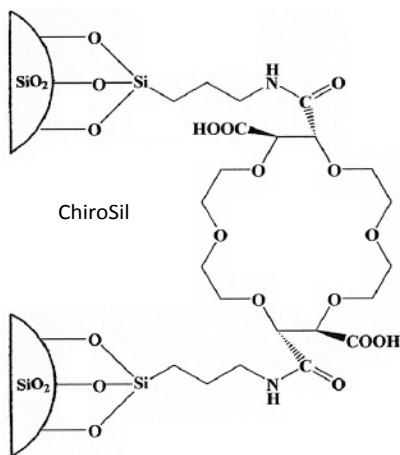
RegisCell polysaccharide coated chiral columns are made using a unique production process of coating the chiral selector-tris-(3,5-dimethylphenyl) carbamoyl cellulose on high purity silica gel.

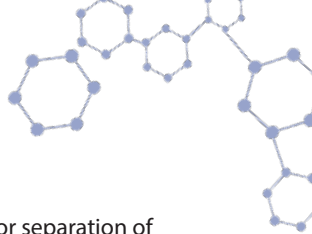
RegisPack and RegisCell columns are available in 3-, 5-, 10-, and 20 μ m particle sizes, enabling easy scale up from analytical to preparative HPLC or SFC. Bulk material is available upon request.

Crown-Ether Chiral Stationary Phases

ChiroSil® RCA(+) and SCA(-) Chiral Stationary Phases

The ChiroSil phase is prepared by a covalent trifunctional bonding of (+) or (-)-(18-Crown-6)-tetracarboxylic acid as the chiral selector. This phase, which is available in analytical as well as preparative columns, is an excellent choice for the separation of amino acids and compounds containing primary amines. Like Whelk-O 1, this phase is highly durable, has universal solvent compatibility, and has the ability to invert elution order. ChiroSil® has the ability to invert elution order of enantiomers by switching columns. In the case of amino acids, most L-enantiomers elute first on the ChiroSil® RCA(+) and D-enantiomers elute first on the ChiroSil® SCA(-) column.





Chirosil Method Development Guidance

General Tip: Aqueous acidic mobile phases are recommended for separation of α -amino acids, primary amines and amino alcohols.

Effect of organic modifier

The complexation of analytes inside the cavity of the 18-crown-6-ring of the CSP is expected to improve as the organic modifier content in the mobile phase increases. Higher organic modifier concentrations decrease the polarity of the mobile phase which drives the protonated amines into the less hydrophobic cavity of the 18-crown-6 ring of the ChiroSil® CSP, where the ionic moiety of the analytes can favorably interact with the lone-pair electrons of the oxygen atoms of the crown ether.

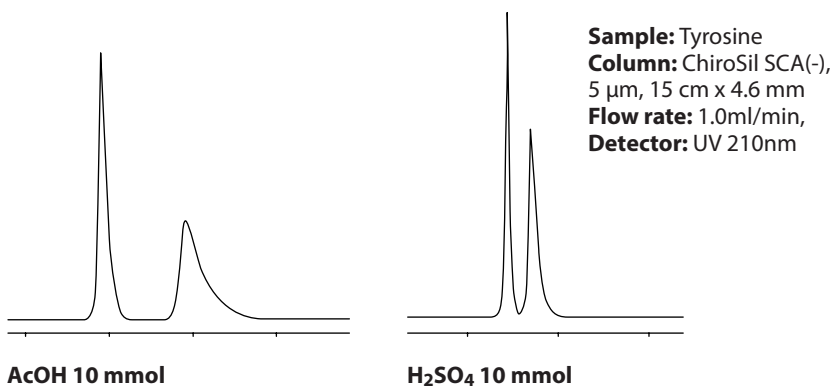
The capacity factor (k') generally decreases as the content of organic modifier increases and the separation factor (α) and the resolution factor (R_s) generally increase as the concentration of organic modifier in the aqueous mobile phase increases.

Effect of acidic modifier and acid concentration

Acidic modifier in the mobile phase plays an important role in protonating α -amino acids and enhancing the diastereomeric complex formation of α -amino acids inside the cavity of the chiral selector of the ChiroSil® CSP. The enantioselectivity enabled by different acids varies; so it is recommended that you find the proper acid by screening.

Recommended Acids:

Acetic acid
Perchloric acid
Sulfuric acid
Phosphoric acid
Trifluoroacetic acid



Acid Concentration

Generally the capacity factor (k') increases as the concentration of acidic modifier in the mobile phase increases. However, some analytes separate better under low acid concentrations so we recommend testing under both high and low acid conditions.

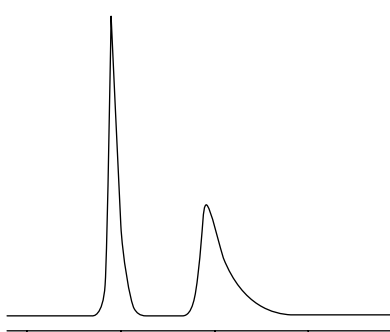
Sample: Tyrosine

Column: ChiroSil SCA(-), 5 μ m, 15 cm x 4.6 mm

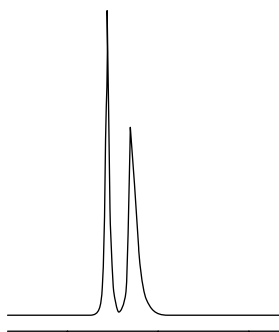
Mobile phase: 80% MeOH in H₂O + H₂SO₄ (xmM)

Flow rate: 0.8 mL/min

Detector: UV 210nm



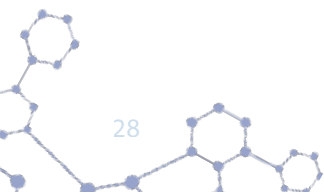
H₂SO₄ 1 mmol

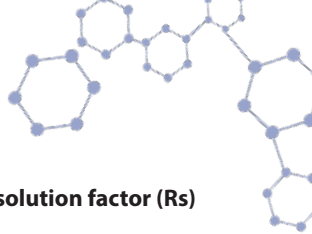


H₂SO₄ 10 mmol

Effect of temperature

At lower temperatures, the formation of the two diastereomeric complexes formed by the two enantiomers of racemic compounds inside the cavity of the crown ether ring is expected to be much more favorable than that of the less stable diastereomeric complex. The difference in the stability of the two diastereomeric complexes increases as the temperature of the column is lowered.





The capacity factor (k'), the separation factor (α) and the resolution factor (R_s) typically improve as the temperature is lowered.

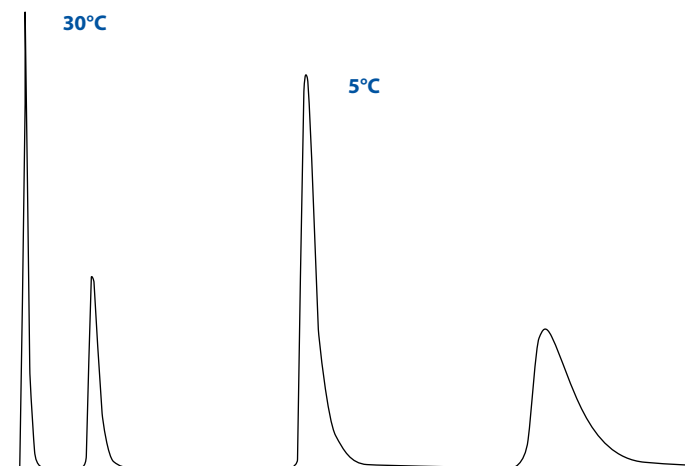
Sample: Phenylglycine

Column: ChiroSil SCA(-), $5\mu\text{m}$, $15\text{ cm} \times 4.6\text{ mm}$

Mobile phase: 84% MeOH in H_2O + H_2SO_4 (10 mM)

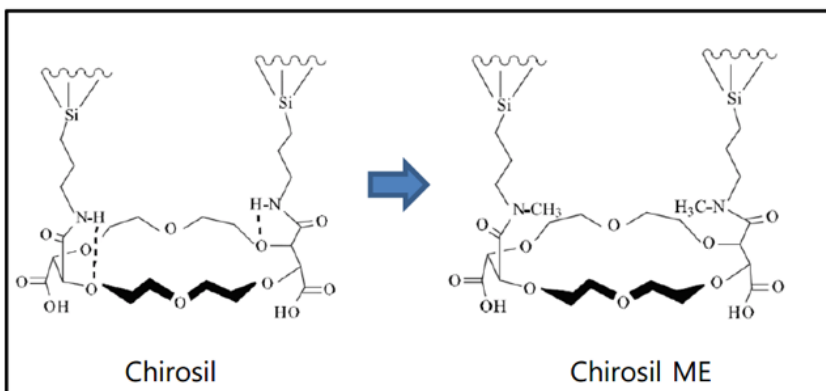
Flow rate: 0.8 mL/min

Detector: UV 210nm



Chirosil® ME

In general, the separation factors and resolution factors for analytes on ChiroSil are greater than on ChiroSil ME, while capacity factors on ChiroSil ME are greater than on ChiroSil.



Frequently Asked Questions

Over the past 45 years, our staff has fielded hundreds of questions related to chiral separations. Listed here you will find some frequently asked questions. If you have additional questions regarding chiral chromatography, please feel free to contact Regis directly (chromsales@registech.com) or contact your local distributor.

What is the pressure rating of your columns?

All columns can tolerate pressures up to 6000 psi. 1.8 µm Whelk-O 1 UHPLC columns can tolerate up to 12,000 psi.

It is very important not to exceed the maximum pressure rating for any HPLC column as you may disrupt the integrity of the silica bed and destroy the column.

Particle Size	Length	mm ID	Typical Flow Rate, ml/min	Pressure, PSI
5, 10	250, 150, 100	4.6	1	6000
5, 10	250, 150, 100	10	4.7	6000
5, 10	250, 150, 100	21.2	21	6000
5, 10	250, 150, 100	30	42.5	6000
5, 10	250, 150, 100	50	118	6000

Can Regis columns be reversed?

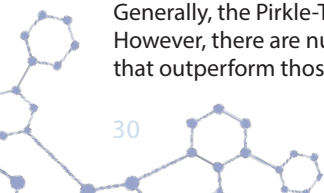
Yes, all columns packed by Regis are fully reversible. In fact, Regis was the first column manufacturer to sell a fully reversible HPLC column. It is recommended to reverse your column frequently. This helps keep the frit surface from becoming clogged with undissolved sample or particulates in the mobile phase, thus extending the column life.

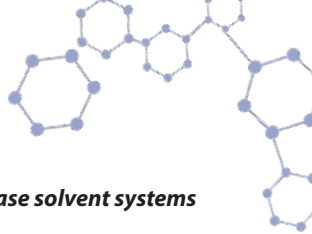
What is the pH range of your columns?

All of Regis' Chiral phases are bonded on silica. The recommended pH range is 2.5 to 7.5. Limited usage outside of this pH range can be tolerated, but extended usage outside of the range will decrease column life.

Can your columns be used with normal- and reversed-phase solvents?

Yes, all Regis CSPs can be used with both normal- and reversed-phase solvents. Generally, the Pirkle-Type CSPs will give better separations in normal phase mode. However, there are numerous examples of separations in reversed-phase mode that outperform those in normal phase mode.





Can I use the same column for reversed-phase and normal phase solvent systems while doing method development?

Yes, for Whelk-O 1 and ChiroSil; No for RegisPack and RegisCell. When switching between phases, make sure you completely flush out the column with a miscible solvent such as IPA or ethanol. We recommend at least 20 column volumes.

How long does it take your columns to equilibrate?

The column should equilibrate after about 20 column volumes. When you are switching from normal- to reversed-phase solvent systems and vice-versa, flush the column with a miscible solvent for 20 column volumes. It should take another 20 column volumes to equilibrate. The equilibration volumes may vary depending on the composition of the mobile phase.

Do you always need a modifier in the mobile phase?

No. Modifiers can be used to improve peak shape and resolution when the samples are extremely basic or acidic in nature. Acetic acid or ammonium acetate are recommended for acidic compounds, and triethylamine, diethylamine or ammonium acetate are recommended for basic compounds. Usually 0.1% of modifier is all that is required.

Note: Although TFA may be used as a modifier, its use should be limited. Acetic acid usually works as well as TFA.

Can I use your columns for SMB chromatography and SFC?

Yes, many analytical and preparative chromatographers use chiral columns with SFC or SMB. Special hardware is necessary for certain column dimensions.

What is the difference between Whelk-O 1 and Whelk-O 2?

Although the Whelk-O 1 and Whelk-O 2 both share the same chiral selector, they have distinct differences. The Whelk-O 1 is mono-functionally bonded to silica and the Whelk-O 2 is tri-functionally bonded. The Whelk-O 2 was designed to tolerate strong acidic modifiers such as TFA. The Whelk-O 2 was designed for preparative use and is not available on 5 μ m silica. Due to the fact the Whelk-O 2 is a tri-functional bond, coverage on the silica will be less than with Whelk-O 1. This decrease in the actual number of bonded sites will decrease selectivity and not allow for exact reproducibility of a method developed on a Whelk-O 1 column.

Does my compound need an aromatic ring to achieve separation on a Pirkle-Type chiral column?

In most cases, yes. Chiral recognition occurs at binding sites. The potential π - π interaction that can occur between the aromatic rings on the chiral selector and the aromatic ring on the sample is a major factor in achieving selectivity. Binding does occur at other sites such as acidic sites, basic sites and steric interaction sites. This is why you do not always need a ring, but by far, the π - π interaction is the major binding site.

Can I use Pirkle-Type chiral column in polar organic mode?

Yes, but the success rate is very poor. We do not recommend dedicating a slot in your method development station for a Pirkle-Type chiral column if you are exclusively running in polar organic mode. Instead, we suggest adding another Pirkle-Type column to your normal phase system to achieve a higher success rate.

What sample loading can I expect from Pirkle-Type chiral columns?

The typical loading range with relative retentions (α) greater than 1.3 is ~4-16 mg of sample per gram of packing. Below are typical loadings for some of the different column sizes:

- Analytical column, 25 cm x 4.6 mm, ~ 3.5 grams of packing, loading is 14-56 mg/injection.
- Semi-prep column, 25 cm x 10.0 mm, ~ 16 grams of packing, loading is 64-256 mg/ injection.
- Prep column, 25 cm x 21.1 mm, ~ 72.5 grams of packing, loading is 288-1,152 mg/injection.

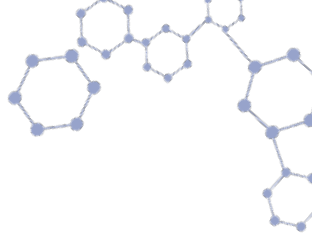
Note: Factors, such as solubility, will greatly affect loading capacity.

Which chiral column is right for my separation?

Let us find the best column for your compound. Start with a free chiral screening conducted by Regis' experts in chiral separations.

The process is simple and includes completing a confidentiality agreement (if desired), our Chiral Screen Submission form, an Environmental Health & Safety (EHS) form, and sending your compound to Regis. Results are typically returned within three business days.





HPLC & SFC

Chiral Applications

In the following pages, you will find over 800 chiral applications using a variety of chiral column types. Pulling from decades of experience in Regis' chiral screening lab, these applications provide a column and method to achieve separation for a diverse range of chiral compounds.

Applications are listed alphabetically by compound name. If your compound is not listed, we encourage you to contact us for a confidential and complimentary chiral screening. Learn more at www.registech.com/free-chiral-screening.

The applications found in this handbook have been run using one of the following columns:

COLUMN	SIZE	(R,R) PART NUMBER	(S,S) PART NUMBER
Whelk-O 1	3.5 μ m, 25 cm x 4.6 mm	1-780223-300	1-780123-300
	5 μ m, 25 cm x 4.6 mm	1-780201-300	1-780101-300
	10 μ m, 25 cm x 4.6 mm	1-786515-300	1-786615-300
RegisPack*	3 μ m, 25 cm x 4.6 mm	1-783504-300	
	5 μ m, 25 cm x 4.6 mm	1-783104-300	
RegisCell*	3 μ m, 25 cm x 4.6 mm	1-784504-300	
	5 μ m, 25 cm x 4.6 mm	1-784104-300	
RegisPack CLA-1*	3 μ m, 15 cm x 4.6 mm	1-793503-300	
	5 μ m, 25 cm x 4.6 mm	1-793104-300	
Alpha-Burke 2 [†]	5 μ m, 25 cm x 4.6 mm	1-735035-300	1-735037-300
Beta-Gem 1	5 μ m, 25 cm x 4.6 mm	1-731043-300	1-731029-300
DACH-DNB	5 μ m, 25 cm x 4.6 mm	1-788101-300	1-788201-300
Leucine [‡]	5 μ m, 25 cm x 4.6 mm	1-731054-300	1-731041-300
Phenylglycine [‡]	5 μ m, 25 cm x 4.6 mm	1-731021-300	1-731024-300
Pirkle 1-J [§]	5 μ m, 25 cm x 4.6 mm	1-731044-300	1-731045-300
ULMO	5 μ m, 25 cm x 4.6 mm	1-787200-300	1-787100-300
	10 μ m, 25 cm x 4.6 mm	1-787400-300	1-787300-300
Whelk-O 2	10 μ m, 25 cm x 4.6 mm	1-786446-300	1-786447-300
ChiroSil	5 μ m, 15 cm x 4.6 mm	1-799001-300	1-799101-300
ChiroSil ME	5 μ m, 15 cm x 4.6 mm	1-788001-300	1-788009-300

* (R,R) and (S,S) not applicable † Available in (R) and (S) ‡ Available in D- and L-

§ Available in (3R,4S) and (3S,4R) || Available in RCA and SCA

Please note, columns with (R,R) and (S,S) configurations provide the same separation but in inverse elution order. All columns are available in analytical to preparative sizes with custom sizes offered for most.

For more information, visit www.chiral.com.

Absciscic Acid

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (75/25)

Hexane/IPA + 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

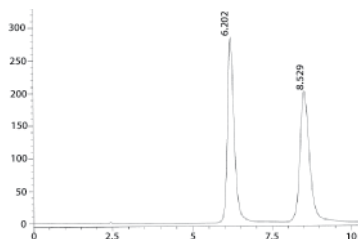
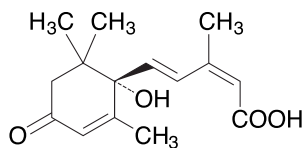
Detection: UV 254 nm

k': 2.21

α : 1.55

CAS #: 21293-29-8

Catalog #: 1-780101-300,
1-780201-300



Absciscic Acid

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

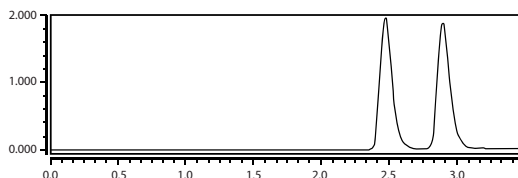
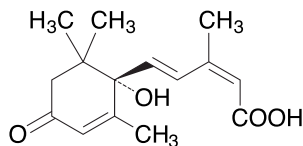
Pressure: 125 bar

Detection: UV 254 nm

k': 2.30

α : 1.25

Catalog #: 1-780101-300



Absciscic Acid

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

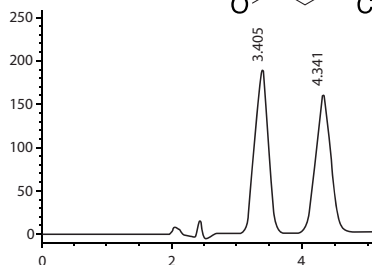
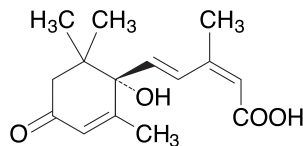
Detection: UV 254 nm

k': 0.79

α : 1.62

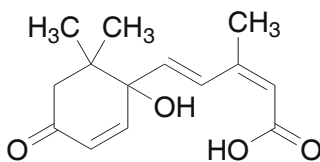
CAS #: 21293-29-8

Catalog #: 1-784104-300



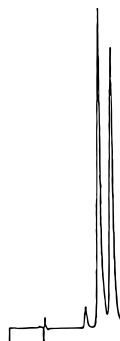
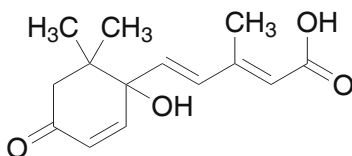
2-cis-4-trans-Abscisic Acid (ABA)

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20/0.5)
Hexane/IPA/HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 5 min
k': 1.58
 α : 1.39
Reference: 9
Catalog #: 1-780101-300,
1-780201-300



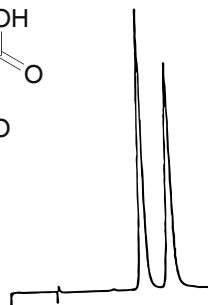
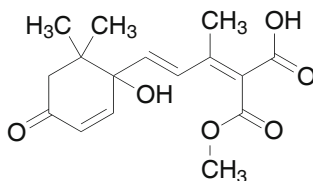
2-trans-4-trans-Abscisic Acid

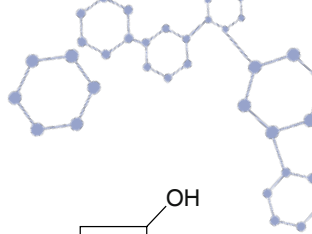
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20/0.5)
Hexane/IPA/HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 5 min
k': 2.08
 α : 1.21
Reference: 9
Catalog #: 1-780101-300,
1-780201-300



ABA Methyl Ester

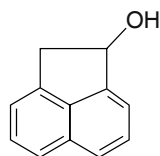
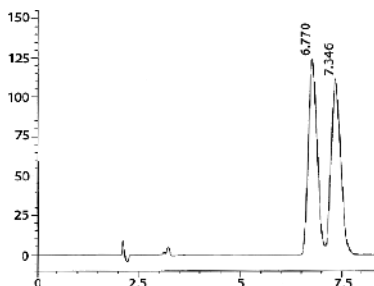
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20/0.5)
Hexane/IPA/HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 5 min
k': 2.41
 α : 1.31
Reference: 9
Catalog #: 1-780101-300,
1-780201-300





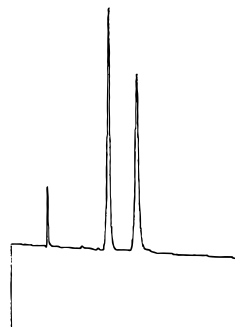
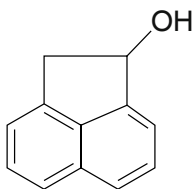
Acenaphthenol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 10 min
k': 2.56
 α : 1.12
CAS #: 94470-67-4
Reference: 46
Catalog #: 1-784104-300



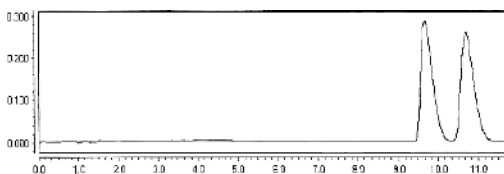
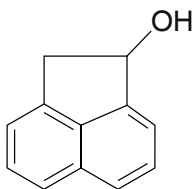
Acenaphthenol

Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10 min
k': 1.68
 α : 1.46
Reference: 46
Catalog #: 1-787200-300



1-Acenaphthenol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
 CO_2 /IPA
Flow Rate: 4.0 mL/min
Pressure: 125 bar
Detection: UV 254 nm
Temperature: 40°C
k': 11.89
 α : 1.11
Catalog #: 1-784104-300



1'-Acetoxychavicol Acetate

Column: (R,R) Whelk-O 1,

10 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA

Flow Rate: 1.5 mL/min

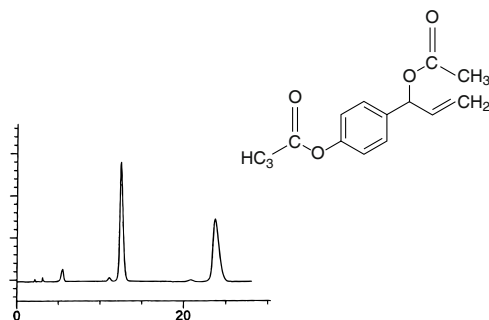
Detection: UV 254 nm

k': 5.94

α : 2.05

Reference: 46

Catalog #: 1-786515-300



Adam's Acid Diethylamide

Column: (3R,4S) Pirkle 1-J,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

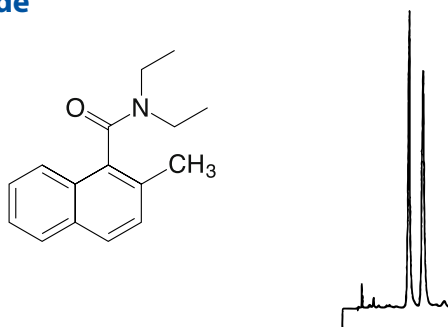
Run Time: 17.0 min

k': 4.11

α : 1.27

Reference: 46

Catalog #: 1-731044-300



N-CBZ-Alanine

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

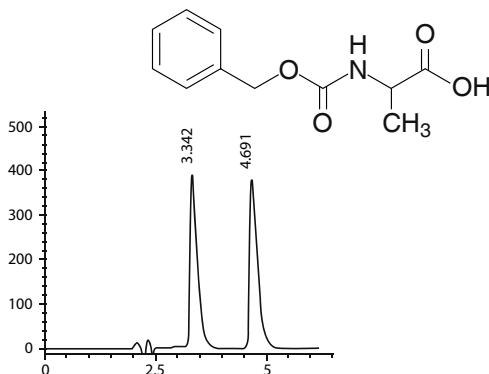
Detection: UV 220 nm

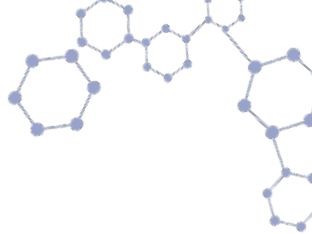
k': 0.76

α : 1.93

CAS #: 4132-86-9

Catalog #: 1-783104-300





DL-Alanine

Column: ChiroSil ME RCA(+),

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (50/50)

5mM HClO₄ Acid/MeOH

Flow Rate: 0.5 mL/min

Temperature: 20 °C

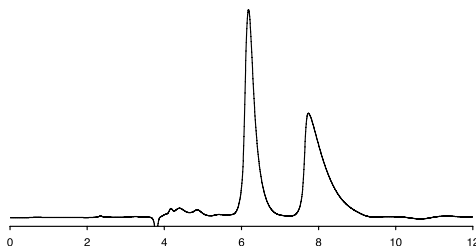
Detection: UV 210 nm

k': 0.63

α : 1.65

Rs: 3.96

Catalog #: 1-788001-300



Alfuzosin

Column: (R,R) Whelk-O 1,

10 μ m, 25 cm x 4.6 mm

Mobile Phase: (68/28/4)

Hexane/CH₂Cl₂/Ethanol

+ 4 mM Ammonium Acetate

Flow Rate: 2.0 mL/min

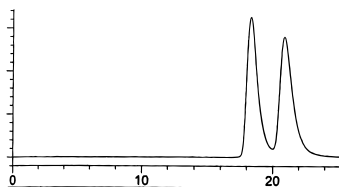
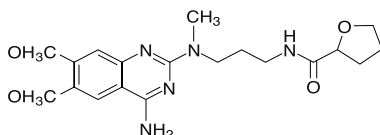
Detection: UV 254 nm

k': 7.37

α : 1.15

Reference: 46

Catalog #: 1-786515-300



Alfuzosin

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

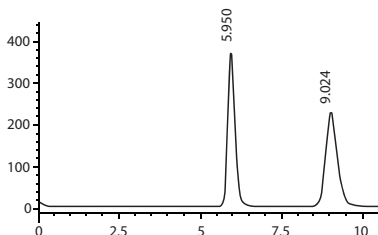
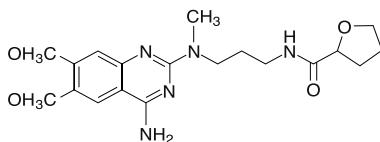
Detection: UV 254 nm

k': 2.13

α : 1.76

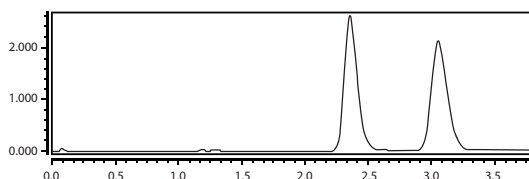
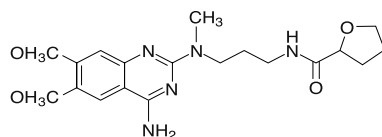
CAS #: 81403-80-7

Catalog #: 1-783104-300



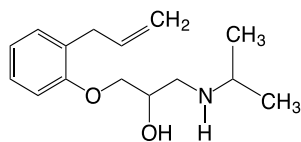
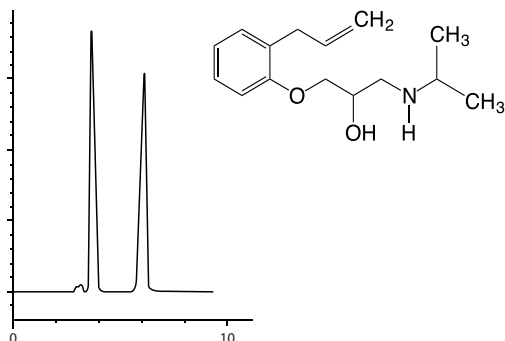
Alfuzosin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35) CO_2 /
Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.15
 α : 1.43
CAS #: 81403-80-7
Catalog #: 1-783104-300



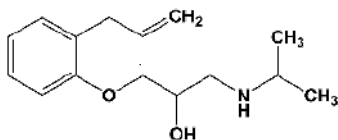
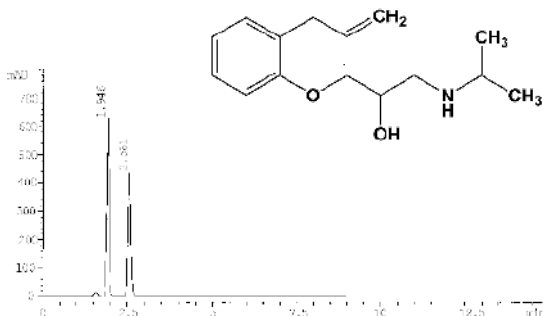
Alprenolol

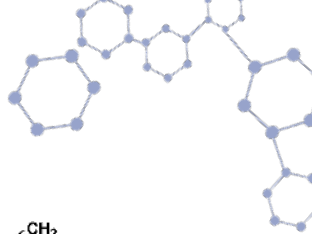
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.23
 α : 4.55
Catalog #: 1-784104-300



Alprenolol

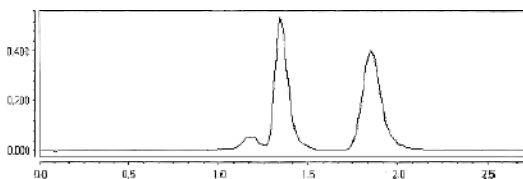
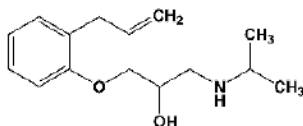
Column: RegisCell,
3 μm , 25 m x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.68
 α : 1.78
Catalog #: 1-784504-300





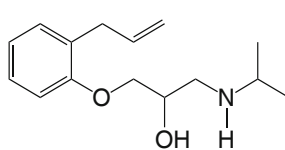
Alprenolol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 CO_2/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 0.80
 α : 1.85
Catalog #: 1-784104-300



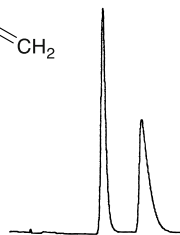
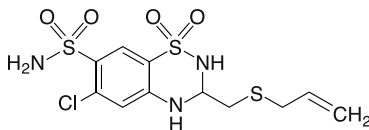
Alprenolol

Column: α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/5/5) CH_2Cl_2 /
 EtOH/MeOH 10 mM NH_4OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10 min
k': 1.44
 α : 1.44
Reference: 33
Catalog #: 1-735035-300,
1-735037-300



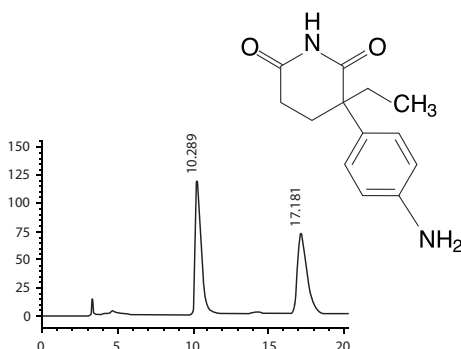
Althiazide

Column: (S,S) ULMO,
5 μm , 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': 3.94
 α : 1.53
Reference: 46
Catalog #: 1-787100-300



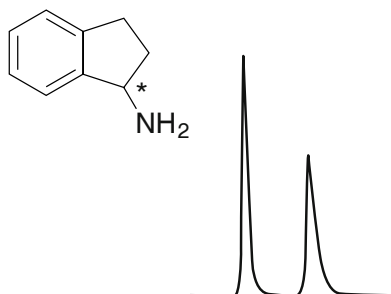
Aminoglutethimide

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: 100%
Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k': 2.55
 α : 1.93
CAS #: 125-84-8
Catalog #: 1-783104-300



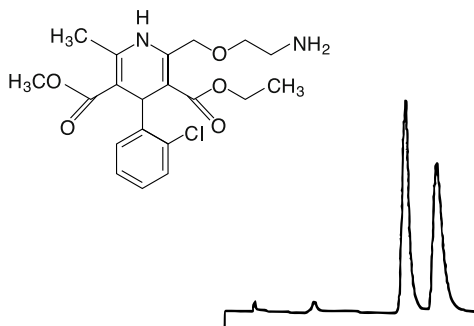
1-Aminoindan

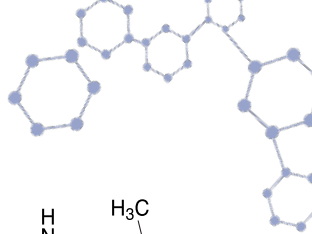
Column: ChiroSil,
5 μ m, 15 cm x 4.6 mm
Mobile Phase: (84/16)
CH₃OH/H₂O + 5 mM HClO₄
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 4.8 min
k': 1.44
 α : 1.91
Catalog #: 1-799001-300,
1-799101-300



Amlodipine

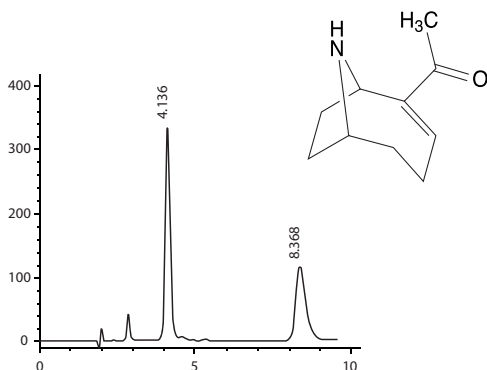
Column: (R,R) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (46/46/8)
CH₂Cl₂/Hexane/Ethanol +
0.01 M Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 13.0 min
k': 5.13
 α : 1.22
Reference: 46
Catalog #: 1-780201-300





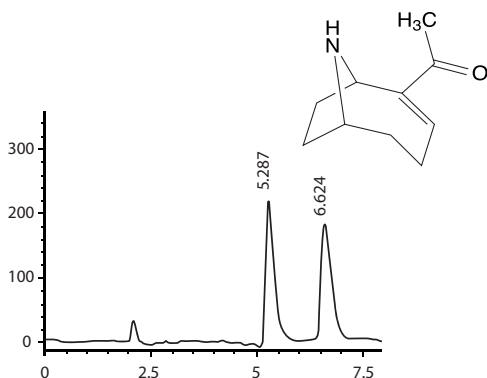
Anatoxin-A

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/Ethanol + 0.1%TFA
Flow Rate: 1.5 mL/min
Detection: UV 227 nm
k': 0.30
 α : 4.35
CAS #: 64285-06-9
Catalog #: 1-780101-300,
1-780201-300



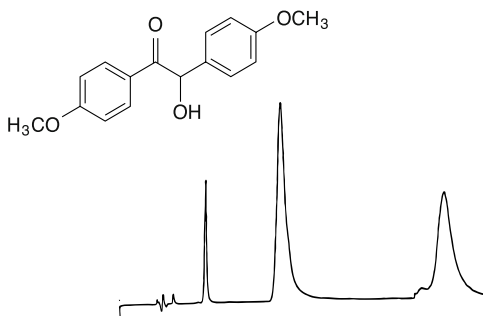
Anatoxin-A

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 227 nm
k': 1.74
 α : 1.40
CAS #: 64285-06-9
Catalog #: 1-784104-300



Anisoin

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20/0.5)
Hexane/IPA/HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 3.07
 α : 2.34
Reference: 26
Catalog #: 1-780101-300,
1-780201-300



9-Anthrylethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Heptane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 215 nm

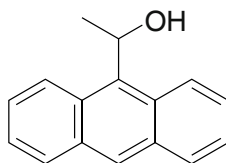
Run Time: 12 min

k': 1.82

α : 1.74

Reference: 48

Catalog #: 1-787200-300



9-Anthryl Trifluoromethyl Carbinol

Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

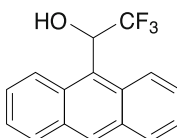
Run Time: 10 min

k': 1.36

α : 2.02

Reference: 46

Catalog #: 1-787200-300



Arginine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm

Mobile Phase: (84/16)
CH₃OH/H₂O
+10 mM H₂SO₄

Flow Rate: 0.8 mL/min

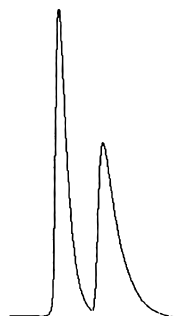
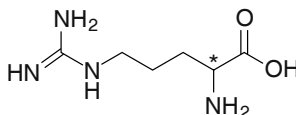
Detection: UV 210 nm

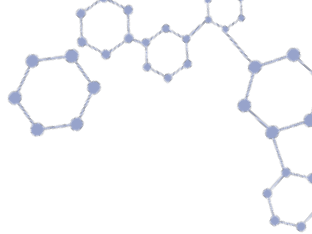
Run Time: 4.9 min

k': 1.21

α : 1.64

Catalog #: 1-799001-300,
1-799101-300





DL-Arginine

Column: ChiroSil ME RCA(+),

5 μ m, 15 cm x 4.6 mm

Mobile Phase: (50/50)

5 mM HClO₄ Acid/MeOH

Flow Rate: 0.5 mL/min

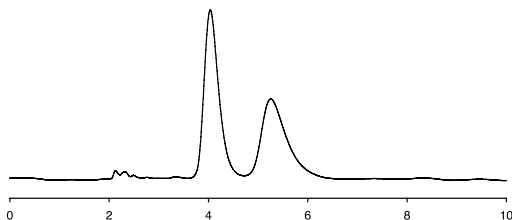
Detection: UV 210 nm

Temperature: 10°C

k': 0.66

α : 1.40

Catalog #: 1-788001-300



DL- Asparagine

Column: ChiroSil ME RCA(+),

5 μ m, 15 cm x 4.6 mm

Mobile Phase: (20/80) 5mM

Sulfonic Acid/MeOH

Flow Rate: 0.8 mL/min

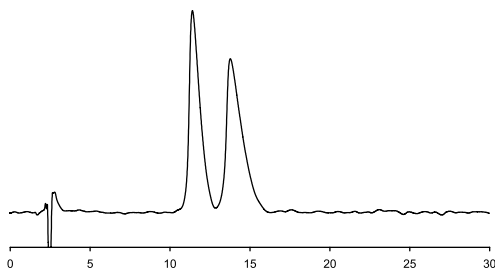
Detection: UV 210 nm

Temperature: 25°C

k': 3.63

α : 1.22

Catalog #: 1-788001-300



Atenolol

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA + 0.1% DEA

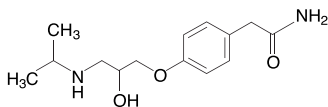
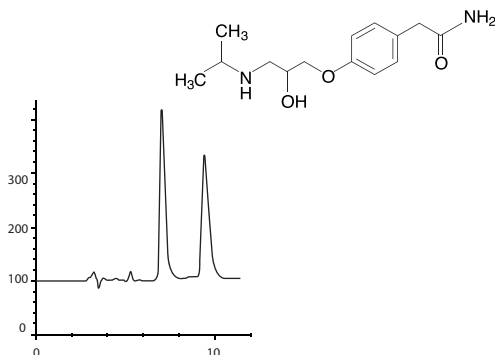
Flow Rate: 1.0 mL/min

Detection: UV 254 nm

k': 1.35

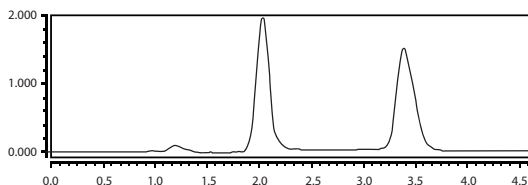
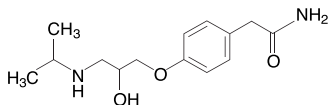
α : 1.58

Catalog #: 1-784104-300



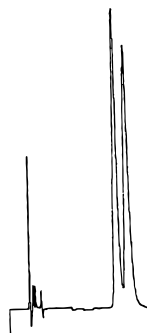
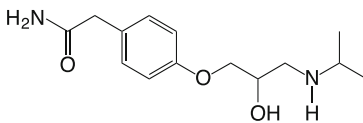
Atenolol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 1.72
 α : 2.05
Catalog #: 1-784104-300



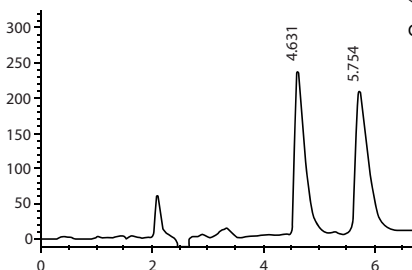
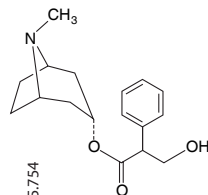
Atenolol

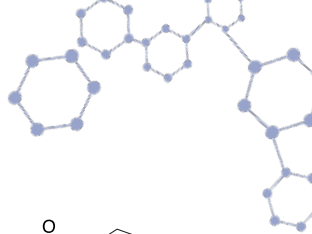
Column: α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/10/5)
 $\text{CH}_2\text{Cl}_2/\text{EtOH}/\text{MeOH}$
15 mM NH_4OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 16 min
k': 4.41
 α : 1.13
Reference: 33
Catalog #: 1-735035-300, 1-173037-300



Atropine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.44
 α : 1.41
CAS #: 51-55-8
Catalog #: 1-784104-300





Azelastine

Column: (S,S) Whelk-O 2,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (47/47/6)
Hexane/ CH_2Cl_2 /Ethanol
+ 0.1% TEA + 6mM
Ammonium Acetate

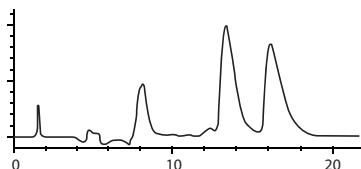
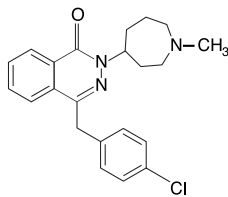
Flow Rate: 2.0 mL/min

Detection: UV 254 nm

k': 8.51

α : 1.24

Catalog #: 1-786447-300



Bambuterol

Column: (R,R) α -Burke 2,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (40/40/20)
Hexane/Methylene
Chloride/Ethanol + 20 mM
Ammonium Acetate

Flow Rate: 1.5 mL/min

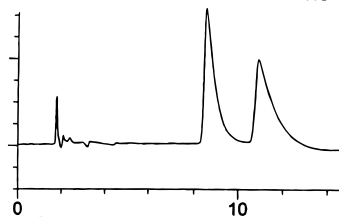
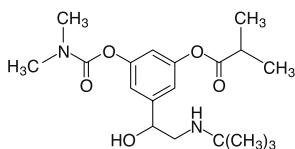
Detection: UV 254 nm

k': 3.74

α : 1.35

Reference: 46

Catalog #: 1-735035-300



Bambuterol

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (92/8)
Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

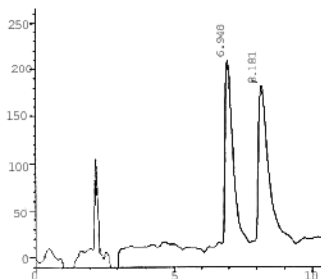
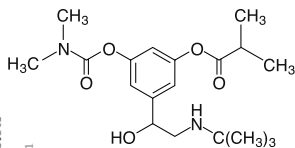
Detection: UV 220 nm

k': 2.60

α : 1.25

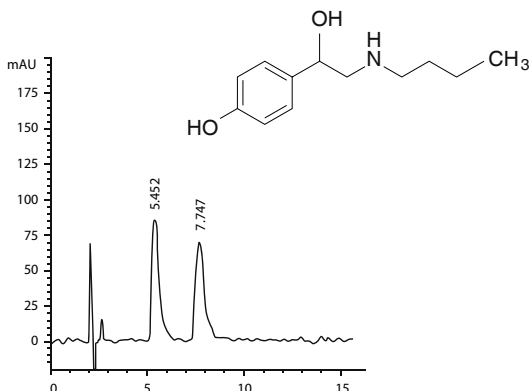
CAS #: 81732-65-2

Catalog #: 1-783104-300



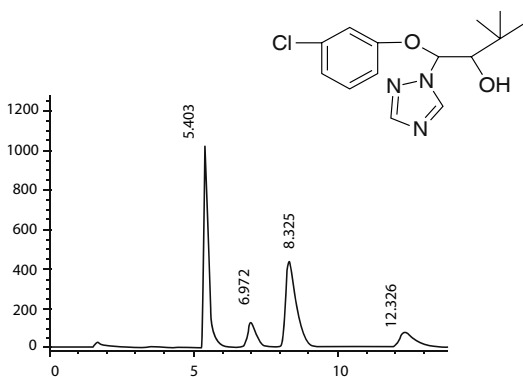
Bamethane

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (88/12)
Hexane/IPA + 0.1%TFA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.87
 α : 1.65
CAS #: 3703-79-5
Catalog #: 1-783104-300



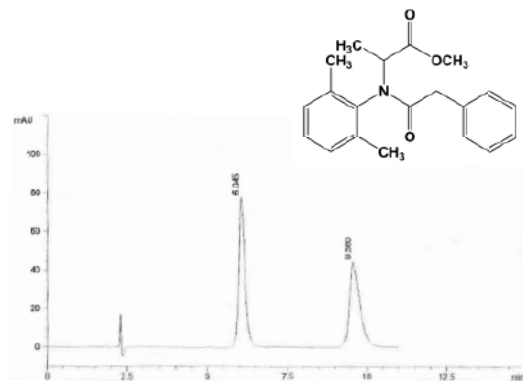
Baytan

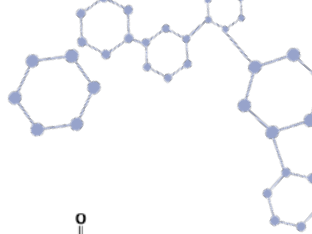
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k': 2.73
k': 3.81
 $\alpha_{1,3}$: 1.74
 $\alpha_{2,4}$: 1.97
CAS #: 55219-65-3
Catalog #: 1-783104-300



Benalaxyl

Column: (S,S) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.18
 α : 1.85
Catalog #: 1-780101-300





Benalaxyl

Column: (S,S) Whelk-O 1,
3.5 μm , 15 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA

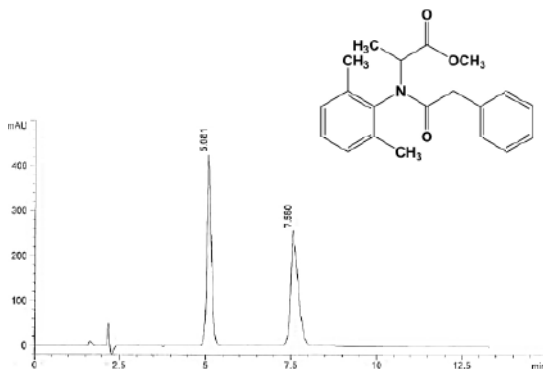
Flow Rate: 1.0 mL/min

Detection: UV 254 nm

k'₁: 1.92

α ₁: 1.74

Catalog #: 1-780122-300



Bendroflumethiazide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 220 nm

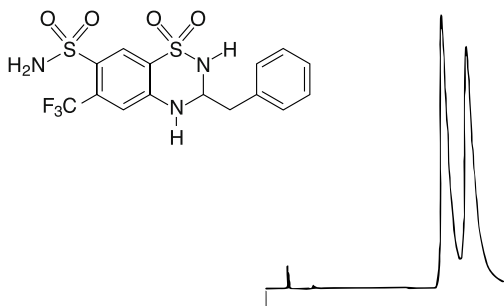
k'₁: 7.89

α : 1.16

Run Time: 30 min

Reference: 18

Catalog #: 1-780101-300,
1-780201-300



Bendroflumethiazide

Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

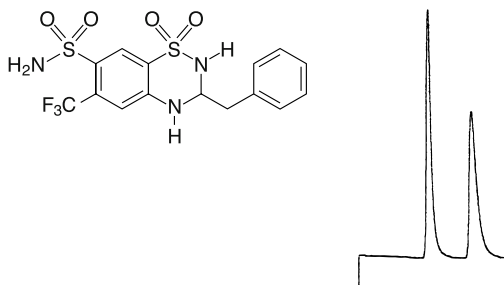
Run Time: 18 min

k'₁: 2.99

α : 1.84

Reference: 46

Catalog #: 1-787200-300



Benfluorex

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/Ethanol
+ 0.1% Acetic Acid
+ 0.1% DEA

Flow Rate: 1.5 mL/min

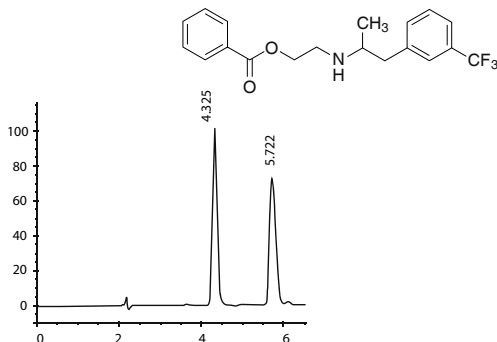
Detection: UV 254 nm

k': 1.28

α : 1.58

CAS #: 23602-78-0

Catalog #: 1-783104-300



Benzoin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)

Hexane/IPA

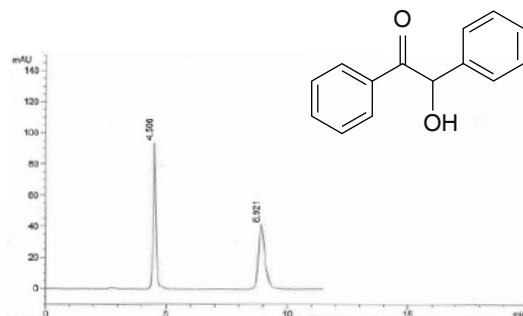
Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 1.33

α : 2.71

Catalog #: 1-780101-300



Benzoin

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20/0.5)

Hexane/IPA/HOAc

Flow Rate: 1.0 mL/min

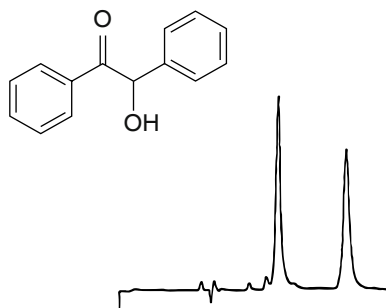
Detection: UV 254 nm

k': 0.86

α : 1.97

Reference: 7

Catalog #: 1-780101-300,
1-780201-300



Benzoin

Column: (S,S) Whelk-O 1,
3.5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)
Hexane/IPA

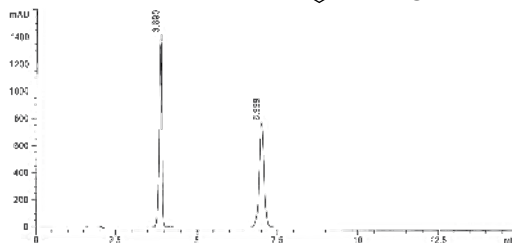
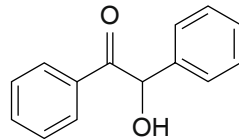
Flow Rate: 1.0 mL/min

Detection: UV 254 nm

k': 2.44

α : 1.24

Catalog #: 1-780101-300



Benzoin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)
CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

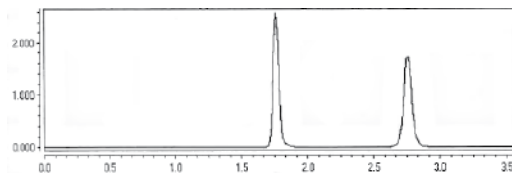
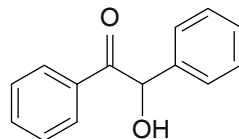
Pressure: 125 bar

Detection: UV 254 nm

k': 1.34

α : 1.99

Catalog #: 1-780101-300



Benzoin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/IPA

Flow Rate: 1.5 mL/min

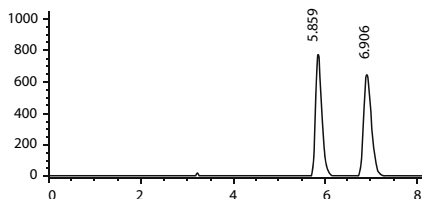
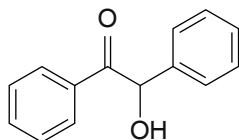
Detection: UV 254 nm

k': 2.08

α : 1.26

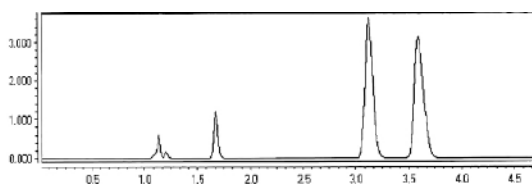
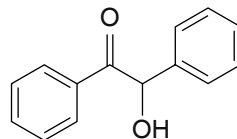
CAS #: 119-53-9

Catalog #: 1-783104-300



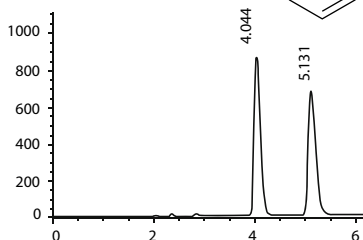
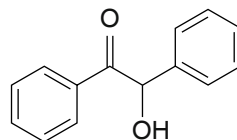
Benzoin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 3.17
 α : 1.20
Catalog #: 1-783104-300



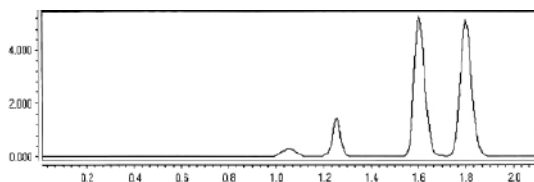
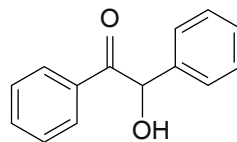
Benzoin

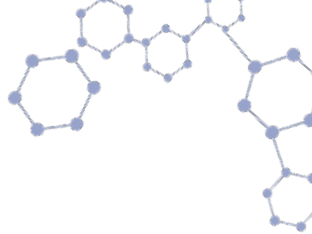
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 12.0 min
k': 1.13
 α : 1.51
CAS #: 119-53-9
Catalog #: 1-784104-300



Benzoin

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.13
 α : 1.24
Catalog #: 1-784104-300





1,3-Benzothiazoles

1-(1,3-benzothiazol-2-yl)-3-(3-methylbenzyl)-2,5-pyrrolidinedione

Column: RegisPack, 5 μm ,
25 cm x 4.6 mm

Mobile Phase: (60/40)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

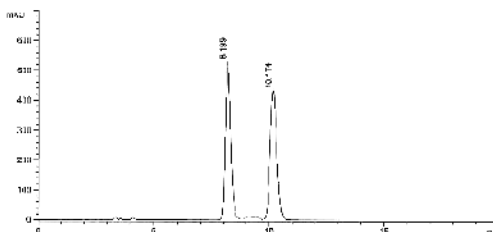
Detection: UV 220 nm

k': 3.32

k': 4.35

α : 1.31

Catalog #: 1-783104-300



1,3-Benzothiazoles

1-(1,3-benzothiazol-2-yl)-3-(3-methylbenzyl)-2,5-pyrrolidinedione

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 126 bar

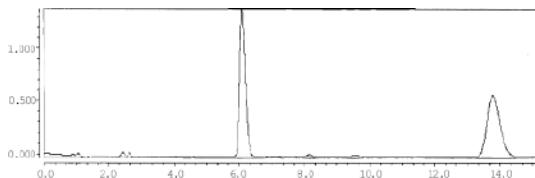
Detection: UV 220 nm

k': 7.13

k': 17.37

α : 2.44

Catalog #: 1-783104-300



1,3-Benzothiazoles

5-(1,3-benzothiazol-2-ylamino)-3-cyclohexyl-5-(trifluoromethyl)-2,4-imidazolidinedione

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/IPA

Flow Rate: 1.5 mL/min

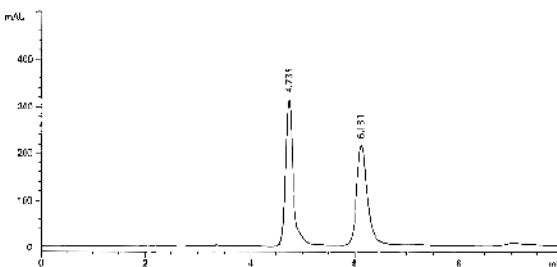
Detection: UV 220 nm

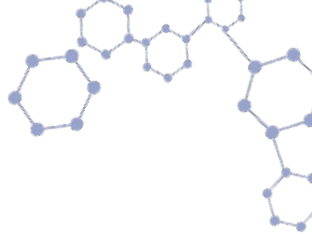
k': 1.49

k': 2.23

α : 1.50

Catalog #: 1-780101-300





1,3-Benzothiazoles

5-(1,3-benzothiazol-2-ylamino)-3-cyclohexyl-5-(trifluoromethyl)-2,4-imidazolidinedione

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20) CO_2 /Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

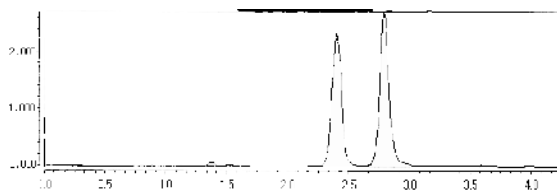
Detection: UV 254 nm

k': 2.21

k'': 2.73

α : 1.24

Catalog #: 1-780101-300



1,3-Benzothiazoles

5-(1,3-benzothiazol-2-ylamino)-3-cyclohexyl-5-(trifluoromethyl)-2,4-imidazolidinedione

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

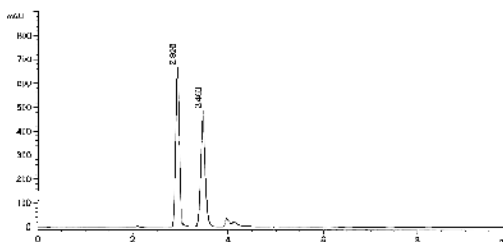
Detection: UV 220 nm

k': 0.54

k'': 0.82

α : 1.52

Catalog #: 1-783104-300



1,3-Benzothiazoles

5-(1,3-benzothiazol-2-ylamino)-3-cyclohexyl-5-(trifluoromethyl)-2,4-imidazolidinedione

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO_2 /Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

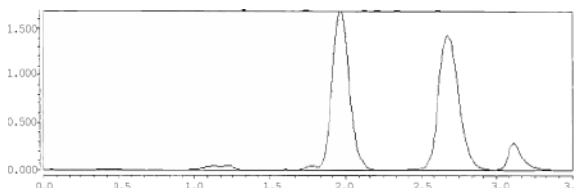
Pressure: 123 bar

Detection: UV 254 nm

k': 1.63

k'': 2.57

α : 1.58



1,3-Benzothiazoles

5-(1,3-benzothiazol-2-ylamino)-3-cyclohexyl-5-(trifluoromethyl)-2,4-imidazolidinedione

Column: RegisCell,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA

Flow Rate: 1.5 mL/min

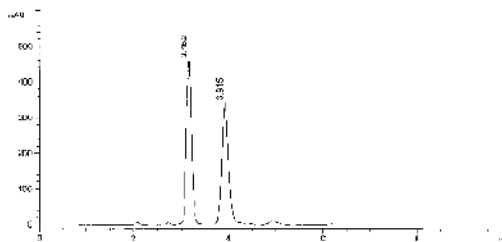
Detection: UV 220 nm

k': 0.66

k': 1.06

α : 1.61

Catalog #: 1-784104-300



1,3-Benzothiazoles

5-(1,3-benzothiazol-2-ylamino)-3-cyclohexyl-5-(trifluoromethyl)-2,4-imidazolidinedione

Column: RegisCell, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20) CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 126 bar

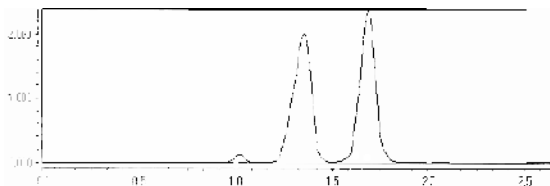
Detection: UV 254 nm

k': 0.81

k': 1.25

α : 1.54

Catalog #: 1-784104-300



1,3-Benzothiazoles

3-[4-(1,3-benzothiazol-2-yl)-1-piperazinyl]-1-(3-fluorophenyl)-2,5-pyrrolidinedione

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

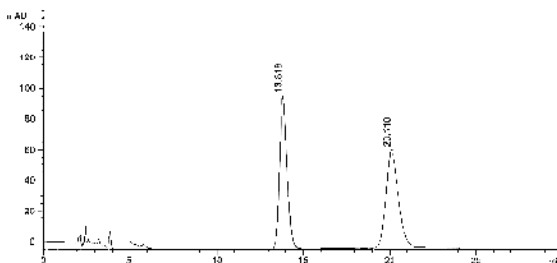
Detection: UV 220 nm

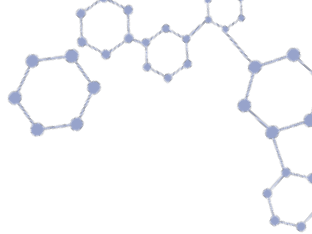
k': 6.27

k': 9.58

α : 1.53

Catalog #: 1-783104-300

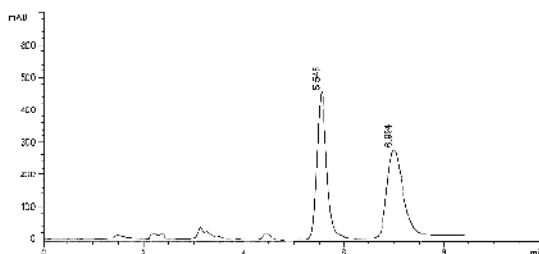




1,3-Benzothiazoles

3-[4-(1,3-benzothiazol-2-yl)-1-piperazinyl]-1-(3-fluorophenyl)-2,5-pyrrolidinedione

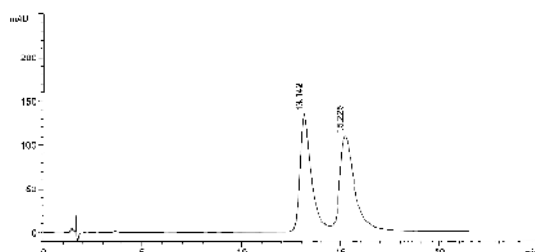
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Methanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.92
k': 2.68
 α : 1.40
Catalog #: 1-784104-300



1,3-Benzothiazoles

ethyl 1-[2-(1,3-benzothiazol-2-ylamino)-2-oxoethyl]piperidine-3-carboxylate

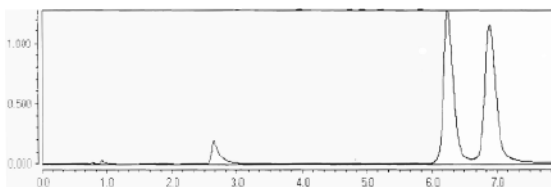
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k': 8.06
k': 9.52
 α : 1.18
Catalog #: 1-780101-300



1,3-Benzothiazoles

ethyl 1-[2-(1,3-benzothiazol-2-ylamino)-2-oxoethyl]piperidine-3-carboxylate

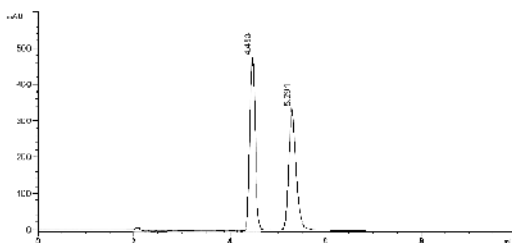
Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 7.33
k': 8.19
 α : 1.12
Catalog #: 1-780101-300



1,3-Benzothiazoles

ethyl 1-[2-(1,3-benzothiazol-2-ylamino)-2-oxoethyl]piperidine-3-carboxylate

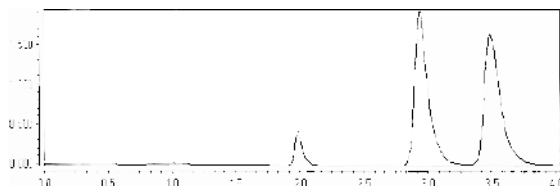
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.35
k': 1.78
 α : 1.32
Catalog #: 1-783104-300



1,3-Benzothiazoles

ethyl 1-[2-(1,3-benzothiazol-2-ylamino)-2-oxoethyl]piperidine-3-carboxylate

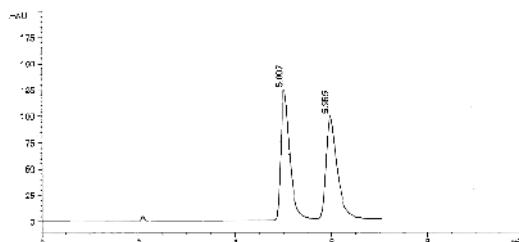
Column: RegisPack, 5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/CH₃OH
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.92
k': 3.62
 α : 1.25
Catalog #: 1-783104-300

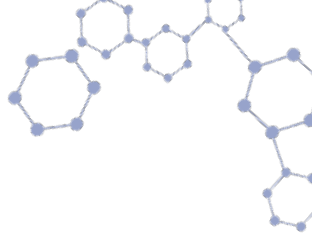


1,3-Benzothiazoles

ethyl 1-[2-(1,3-benzothiazol-2-ylamino)-2-oxoethyl]piperidine-3-carboxylate

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.64
k': 2.14
 α : 1.30
Catalog #: 1-784104-300





1,3-Benzothiazoles

ethyl 1-[2-(1,3-benzothiazol-2-ylamino)-2-oxoethyl]piperidine-3-carboxylate

Column: RegisCell, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)

$\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

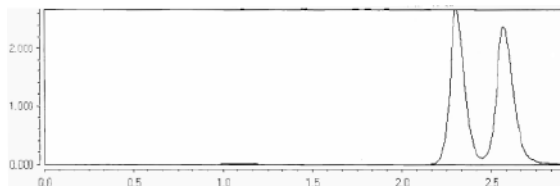
Detection: UV 220 nm

k'₁: 2.08

k'₂: 2.43

α : 1.17

Catalog #: 1-784104-300



1,3-Benzothiazoles

N-1,3-benzothiazol-2-yl-1-butyl-5-oxopyrrolidine-3-carboxamide

Column: RegisCell,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA

Flow Rate: 1.5 mL/min

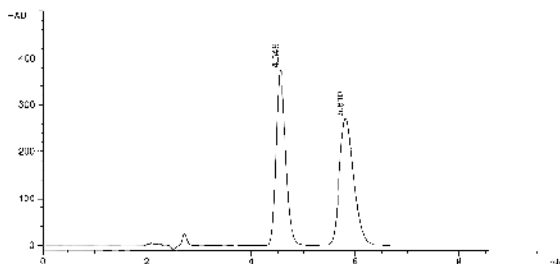
Detection: UV 220 nm

k'₁: 1.39

k'₂: 2.06

α : 1.48

Catalog #: 1-784104-300



1-(4-Benzyloxy) phenyl Ethanol

Column: (S,S) ULMO,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (98.5/1.5)

n-Heptane/1,2-

Dimethoxyethane

Flow Rate: 2.0 mL/min

Detection: UV 254 nm

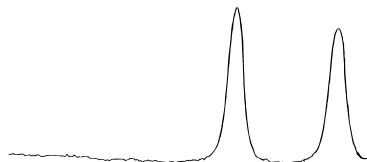
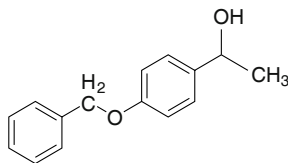
Run Time: 11.0 min

k'₁: 5.21

α : 1.21

Reference: 60

Catalog #: 1-784104-300



β-Blocker

Column: (S,S) DACH-DNB,

5 μm, 25 cm x 4.6 mm

Mobile Phase: (90/10)

CH₂Cl₂/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

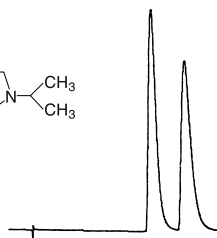
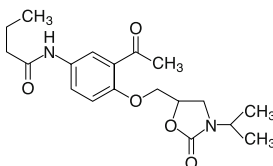
Run Time: 18.0 min

k': 4.52

α: 1.29

Reference: 59

Catalog #: 1-788201-300



β-Blocker

Column: (S,S) DACH-DNB,

5 μm, 25 cm x 4.6 mm

Mobile Phase: (92/8)

CH₂Cl₂/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

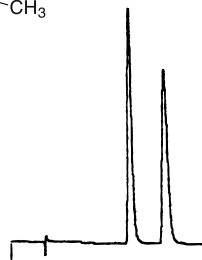
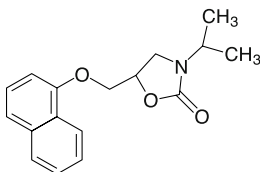
Run Time: 11.0 min

k': 2.27

α: 1.42

Reference: 59

Catalog #: 1-788201-300



Beta Naphthyl Methyl Carbinol

Column: (R,R) ULMO,

5 μm, 25 cm x 4.6 mm

Mobile Phase: (97/3)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

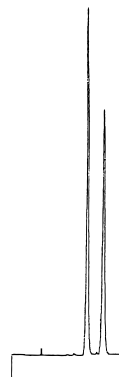
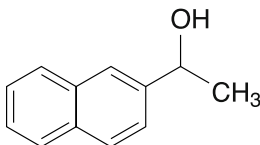
Run Time: 9 min

k': 1.64

α: 1.34

Reference: 46

Catalog #: 1-787200-300



Betaxolol

Column: α -Burke 2,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/10/5)
 $\text{CH}_2\text{Cl}_2/\text{EtOH}/\text{MeOH}$
10 mM NH_4OAc

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

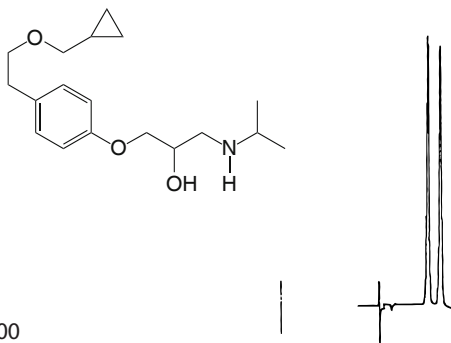
Run Time: 11 min
4.6 mm x 25 cm

k': 2.36

α : 1.25

Reference: 33

Catalog #: 1-735035-300, 1-735037-300



Bicalutamide

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

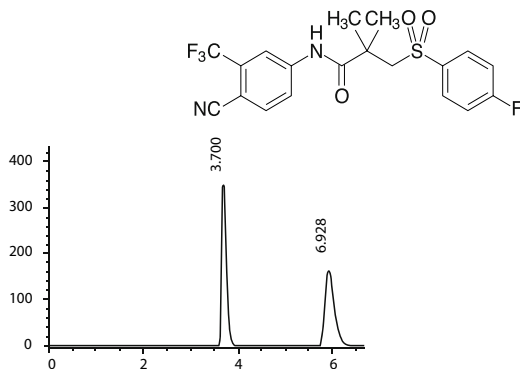
Detection: UV 254 nm

k': 0.91

α : 2.28

CAS #: 90357-06-5

Catalog #: 1-783104-300



Bifonazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Flow Rate: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

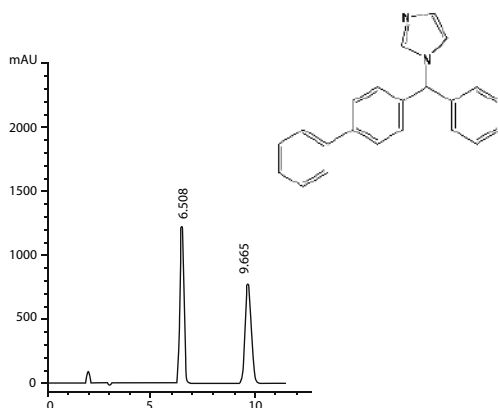
Detection: UV 220 nm

k': 2.43

α : 1.68

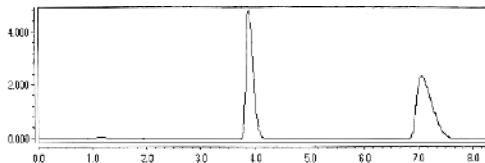
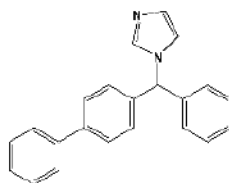
CAS #: 60628-96-8

Catalog #: 1-783104-300



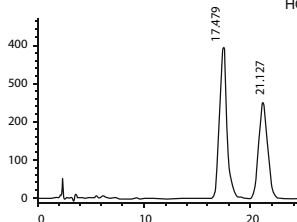
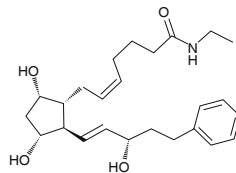
Bifonazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35) CO_2 /
 CH_3OH + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 4.17
 α : 2.02
Catalog #: 1-783104-300



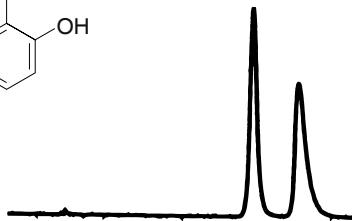
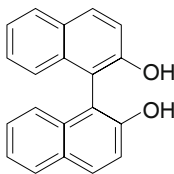
Bimatoprost

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/2.5/2.5)
Hexane/Ethanol/Methanol
Flow Rate: 1.5 mL/min
Detection: UV 210 nm
k': 8.06
 α : 1.23
CAS #: 155206-00-1
Catalog #: 1-784104-300



1,1'-Bi-2-Naphthol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 18.0 min
k': 4.84
 α : 1.24
Reference: 48
Catalog #: 1-787100-300



1,1'-Binaphthol Monomethylether

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (98/2)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

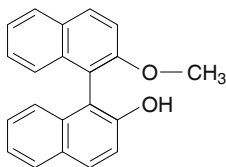
Run Time: 11.0 min

k': 2.23

α : 1.28

Reference: 48

Catalog #: 1-787100-300



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

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (56/44)

H₂O/MeOH + 0.1% HOAc

Flow Rate: 1.0 mL/min

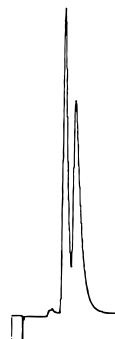
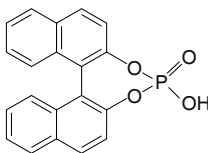
Detection: UV 254 nm

Run Time: 18 min

k': 4.46

α : 1.27

Catalog #: 1-780101-300, 1-780201-300



Biphenyls

2-(4-biphenyloxy)-N-(3-pyridinylmethyl)propanamide

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

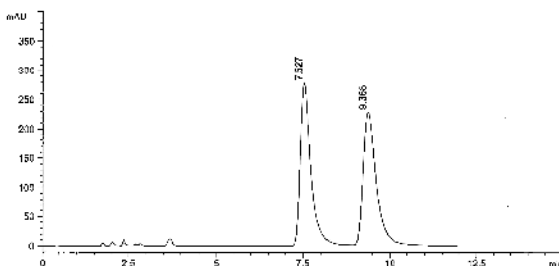
Detection: UV 220 nm

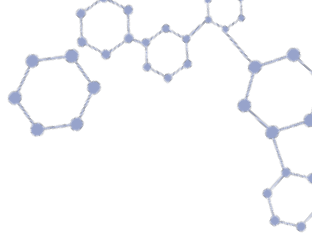
k': 2.96

k'': 3.93

α : 1.33

Catalog #: 1-780101-300





Biphenyls

2-(4-biphenyloxy)-N-(3-pyridinylmethyl)propanamide

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

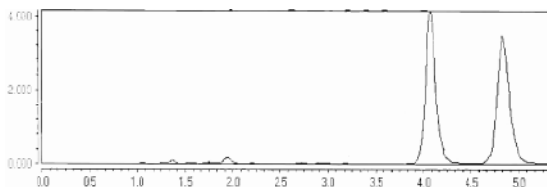
Detection: UV 254 nm

k'₁: 4.43

k'₂: 5.43

α : 1.23

Catalog #: 1-780101-300



Biphenyls

2-(4-biphenyloxy)-N-(3-pyridinylmethyl)propanamide

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA

Flow Rate: 1.5 mL/min

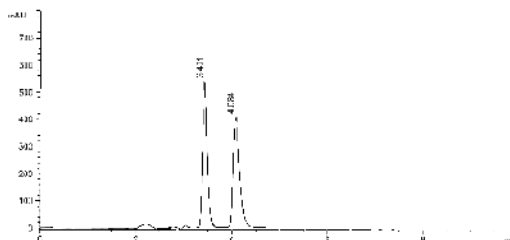
Detection: UV 220 nm

k'₁: 0.81

k'₂: 1.15

α : 1.42

Catalog #: 1-783104-300



Biphenyls

2-(4-biphenyloxy)-N-(3-pyridinylmethyl)propanamide

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)

CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

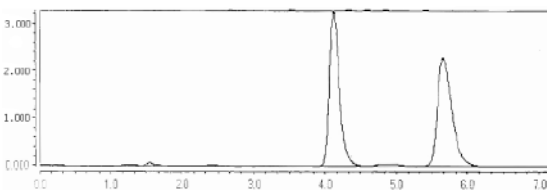
Detection: UV 254 nm

k'₁: 4.51

k'₂: 6.55

α : 1.45

Catalog #: 1-783104-300



Biphenyls

2-(4-biphenyloxy)-N-(3-pyridinylmethyl)propanamide

Column: RegisCell, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)

$\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

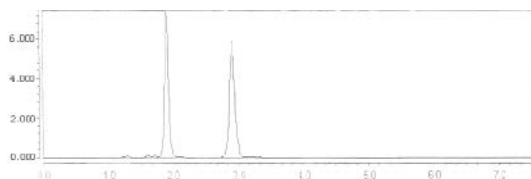
Detection: UV 254 nm

k': 1.53

k'': 2.87

α : 1.88

Catalog #: 1-784104-300



Biphenyls

N-2-biphenyl-2-(2-methoxyphenoxy)propanamide

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)

Hexane/IPA

Flow Rate: 1.5 mL/min

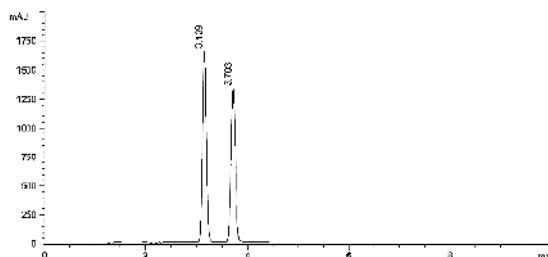
Detection: UV 220 nm

k': 0.65

k'': 0.95

α : 1.46

Catalog #: 1-783104-300



Biphenyls

N-2-biphenyl-2-(2-methoxyphenoxy)propanamide

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)

CO_2/IPA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

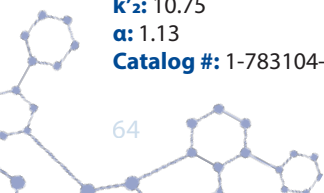
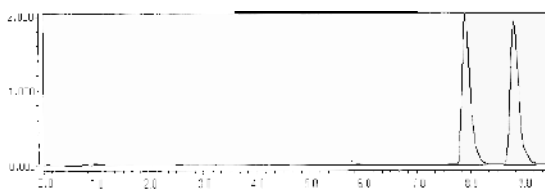
Detection: UV 220 nm

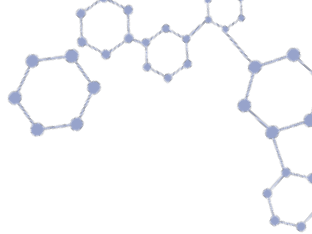
k': 9.55

k'': 10.75

α : 1.13

Catalog #: 1-783104-300

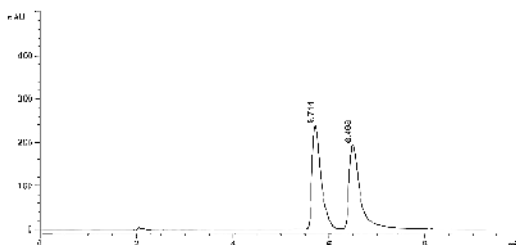




Biphenyls

1-(4-biphenyloxy)-3-(4-morpholinyl)-2-propanol hydrochloride

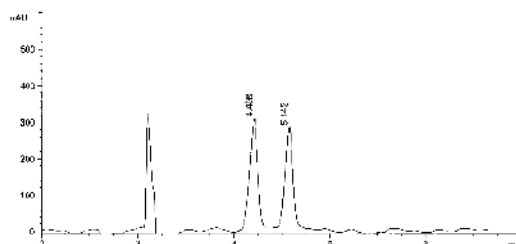
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 2.01
k'₂: 2.42
 α : 1.20
Catalog #: 1-783104-300



Biphenyls

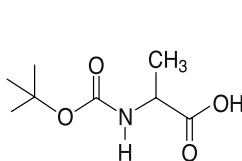
1-[[3-(2-biphenyloxy)propyl]amino]-2-propanol ethanedioate (salt)

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 1.32
k'₂: 1.71
 α : 1.30
Catalog #: 1-783104-300



BOC-Ala

Column: Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (98/2/0.2)
Hexane/IPA/HOAc
Flow Rate: 1.0 mL/min
Detection: 220 nm
Run Time: 17 min
k'₁: 4.43
 α : 1.09
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



DL-BPA

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm

Mobile Phase: (30/70) 0.01%
Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

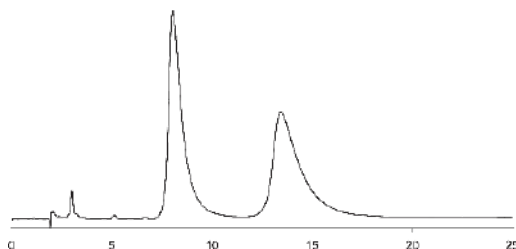
Detection: UV 210 nm

Temperature: 0°C

k': 3.14

α : 1.88

Catalog #: 1-788001-300



Bromacil

Insecticide

Column: Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2) Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

k': 21.43

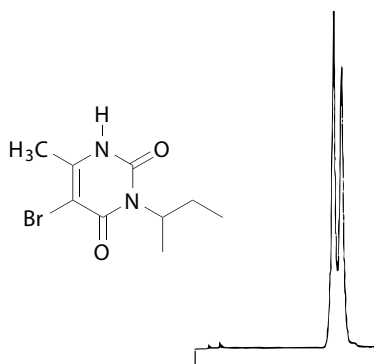
α : 1.07

Run Time: 38 min

Reference: 43

Catalog #: 1-780101-300,

1-780201-300



Bromphenaramine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/IPA + 0.1% DEA

Flow Rate: 1.0 mL/min

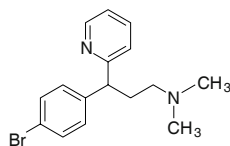
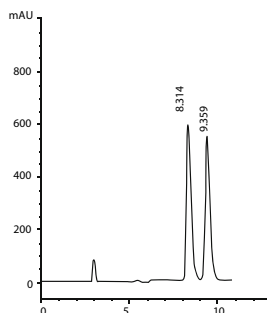
Detection: UV 254 nm

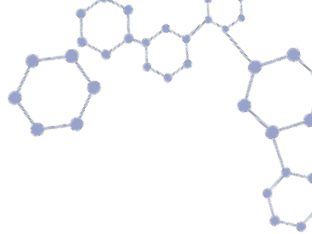
k': 1.87

α : 1.19

CAS #: 80-22-6

Catalog #: 1-783104-300





1-(p-Bromophenyl) Ethanol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (98.5/1.5)

n-Heptane/1,2-Dimethoxyethane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

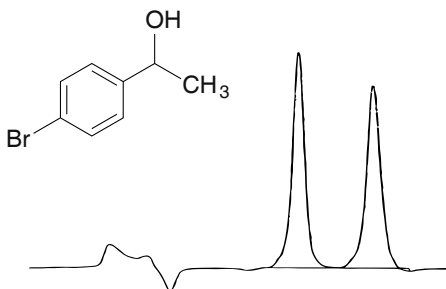
Run Time: 11.5 min

k': 2.39

α : 1.17

Reference: 60

Catalog #: 1-787100-300



Bucetin

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/IPA

Flow Rate: 1.5 mL/min

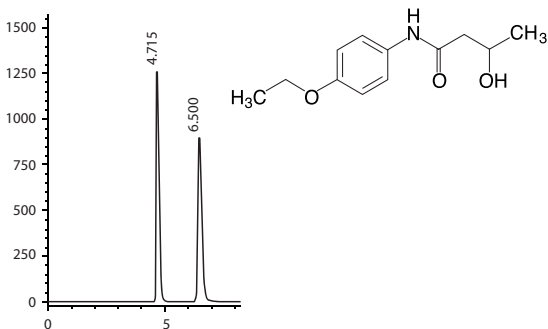
Detection: UV 254 nm

k': 1.48

α : 1.64

CAS #: 1083-57-4

Catalog #: 1-783104-300



Bucetin

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (85/15)

CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

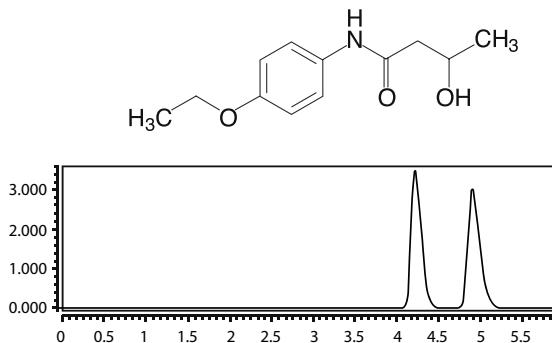
Pressure: 125 bar

Detection: UV 254 nm

k': 4.56

α : 1.20

Catalog #: 1-783104-300



Bucetin

Column: RegisPack CLA-1,
3 μm , 15 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/IPA

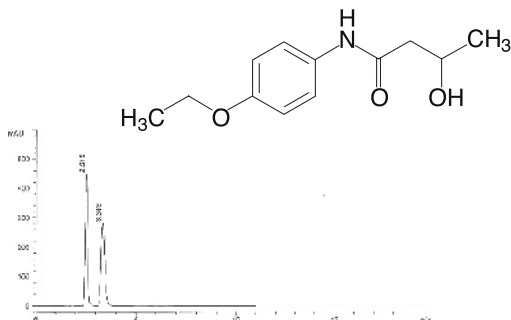
Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 1.17

α : 1.61

Catalog #: 1-793104-300



Buckminsterfullerene-Enone [2+2] Photoadducts

Semi-prep separation on analytical column

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: 2:1
Toluene/Hexane

Flow Rate: 1.0 mL/min

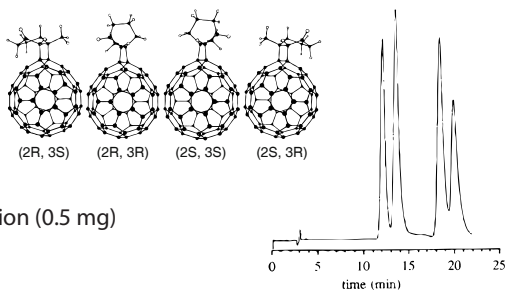
Detection: UV 400 nm

Run Time: 22 min

Sample: 100 μL of 5 mg/mL solution (0.5 mg)

Reference: 8

Catalog #: 1-780101-300,
1-780201-300



Budesonide

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

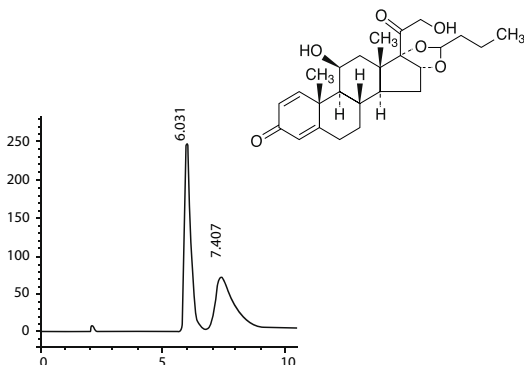
Detection: UV 243 nm

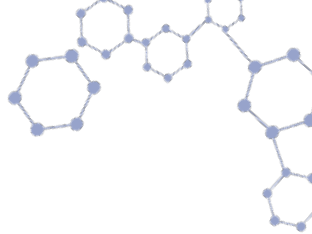
k': 2.17

α : 1.34

CAS #: 51333-22-3

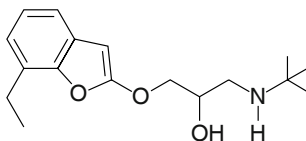
Catalog #: 1-783104-300





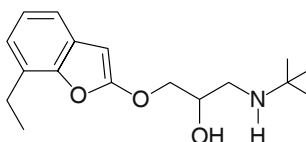
Bufuralol

Column: α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 $\text{CH}_2\text{Cl}_2/\text{EtOH}$ 20 mM NH_4OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 11.0 min
 k' : 0.96
 α : 2.56
Reference: 33
Catalog #: 1-735035-300,
1-735037-300



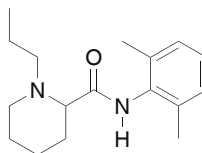
Bufuralol

Column: (3R,4S) Pirkle 1-J,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 $\text{CH}_2\text{Cl}_2/\text{Ethanol}$
+ 0.02 M Ammonium Acetate
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 7.0 min
 k' : 0.91
 α : 2.01
Reference: 46
Catalog #: 1-731044-300



Bupivacaine

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20/0.1)
Hexane/IPA/TEA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 7-8 min
 k' : 1.89
 α : 1.25
Reference: 18
Catalog #: 1-780101-300



Bupivacaine

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25) CO_2 /Ethanol
+ 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

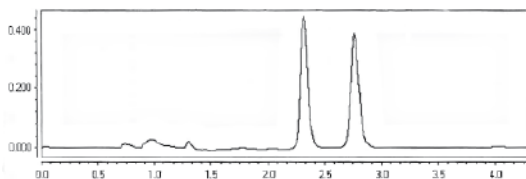
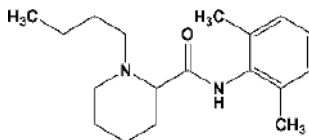
Pressure: 125 bar

Detection: UV 254 nm

k': 2.09

α : 1.28

Catalog #: 1-780101-300



Bupivacaine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2)
Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

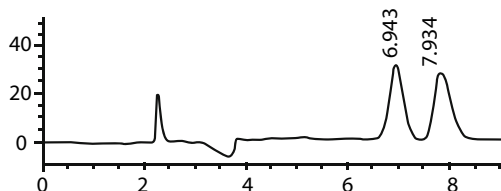
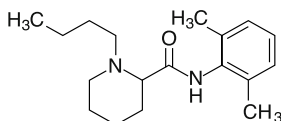
Detection: UV 254 nm

k': 1.71

α : 1.18

CAS #: 2180-92-9

Catalog #: 1-783104-300



Bupivacaine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
 CO_2 /IPA + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

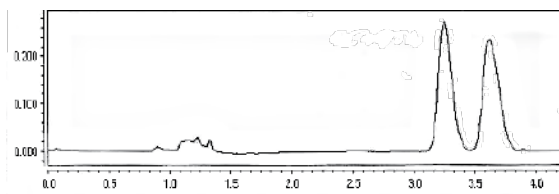
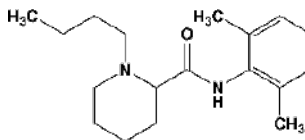
Pressure: 125 bar

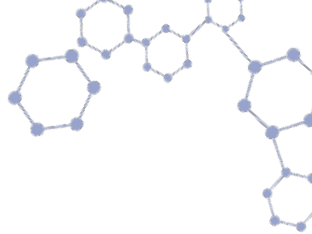
Detection: UV 254 nm

k': 3.34

α : 1.15

Catalog #: 1-783104-300





Bupranolol

Column: (3R,4S) Pirkle 1-J,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
CH₂Cl₂/Ethanol + 0.015M
Ammonium Acetate

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

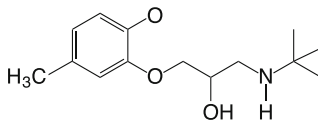
Run Time: 8.5 min

k': 1.44

α : 1.47

Reference: 46

Catalog #: 1-731044-300



Butaclamol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

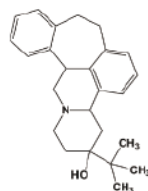
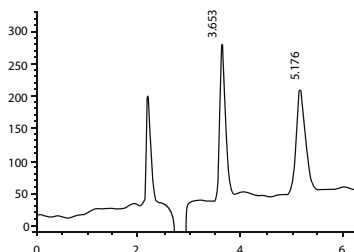
Detection: UV 220 nm

k': 0.92

α : 1.87

CAS #: 51152-91-1

Catalog #: 1-784104-300



Butaclamol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
CO₂/CH₃OH + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

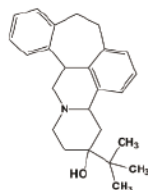
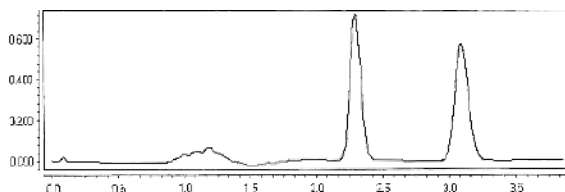
Pressure: 125 bar

Detection: UV 220 nm

k': 2.06

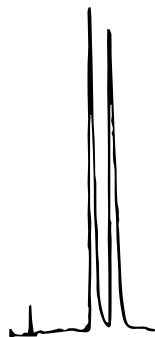
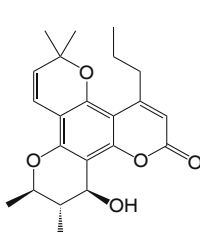
α : 1.52

Catalog #: 1-783104-300



Calanolide A

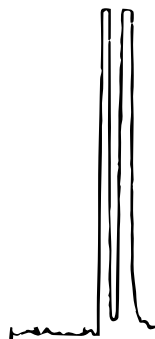
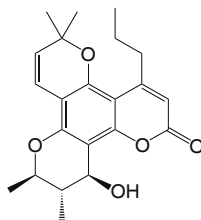
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (10/90)
IPA/Hexane
Flow Rate: 1.25 mL/min
Detection: UV 270 nm
Run Time: 18 min
k': 3.2
 α : 1.4
Reference: 16
Catalog #: 1-780101-300



Calanolide A

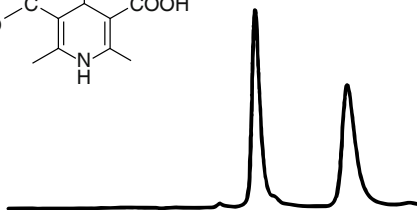
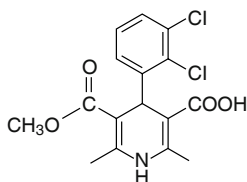
Semi prep

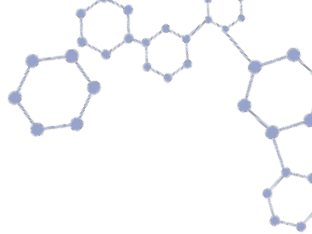
Column: Whelk-O 1, 5 μm , 25 cm x 4.6 mm
Mobile Phase: (10/90) IPA/Hexane
Flow Rate: 1.25 mL/min
Detection: UV 270 nm
Run Time: 18 min
Sample: 5 mg
k': 3.2
 α : 1.4
Reference: 16
Catalog #: 1-780101-300



Calcium Channel Blocker

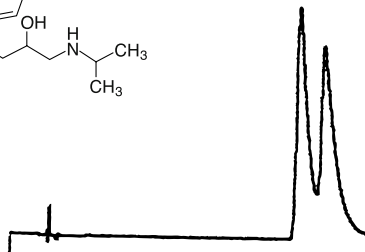
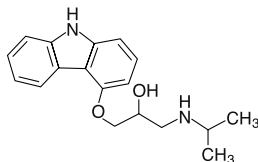
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Heptane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 230 nm
Run Time: 6 min
k': 0.55
 α : 2.06
Reference: 48
Catalog #: 1-787100-300





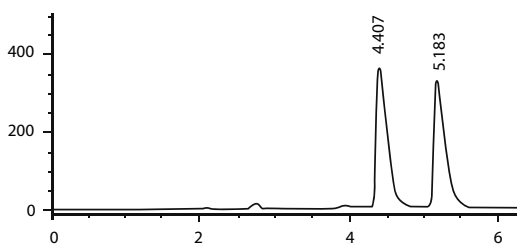
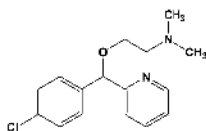
Carazolol

Column: (R) α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (46/46/8)
 CH_2Cl_2 /Methanol/Ethanol
+ 0.01 M Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 15.0 min
k': 6.73
 α : 1.10
Reference: 46
Catalog #: 1-735035-300



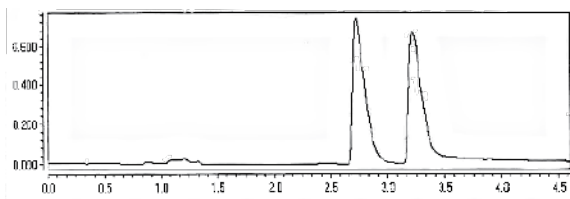
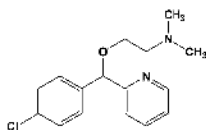
Carbinoxamine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.32
 α : 1.31
CAS #: 486-16-8
Catalog #: 1-783104-300



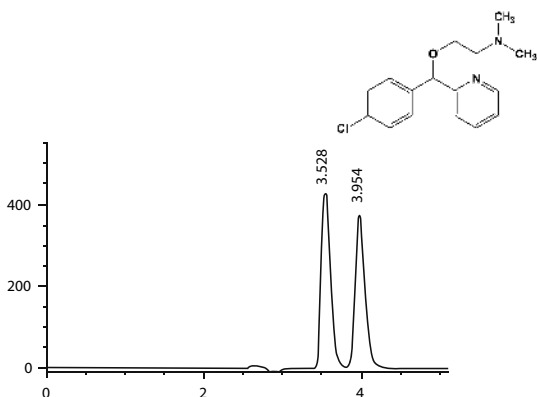
Carbinoxamine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 CO_2 /IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.64
 α : 1.25
Catalog #: 1-783104-300



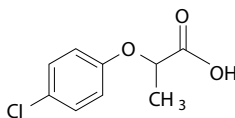
Carbinoxamine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (92/8)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.86
 α : 1.20
CAS #: 486-16-8
Catalog #: 1-784104-300



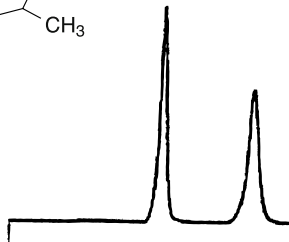
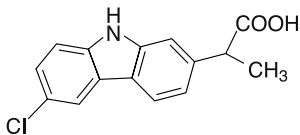
Carboxylic Acid

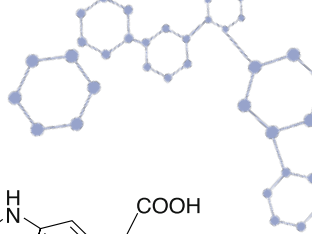
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1%
Trifluoroacetic Acid
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 0.84
 α : 1.36
Run Time: 3.5 min
Reference: 49
Catalog #: 1-780101-300



Carprofen

Column: (R,R) Whelk-O 1,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 4.70
 α : 1.73
Reference: 46
Catalog #: 1-786515-300





Carprofen

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
 CO_2 /Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

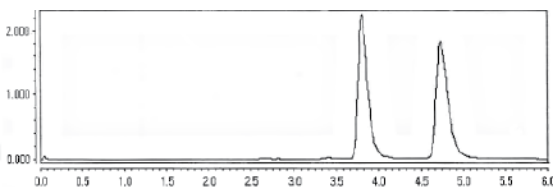
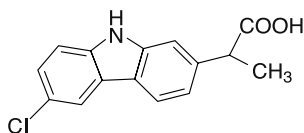
Pressure: 125 bar

Detection: UV 254 nm

k': 4.08

α : 1.31

Catalog #: 1-780101-300



Carprofen

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
 CO_2 /IPA + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

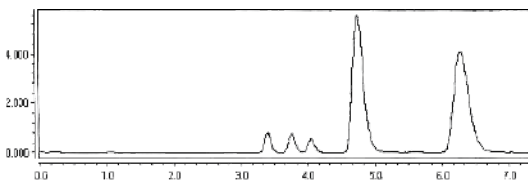
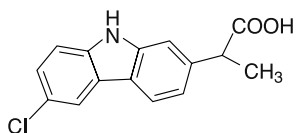
Pressure: 123 bar

Detection: UV 254 nm

k': 5.32

α : 1.38

Catalog #: 1-783104-300



Carprofen

Column: RegisCell,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

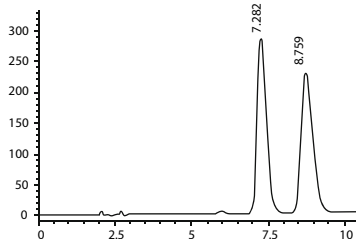
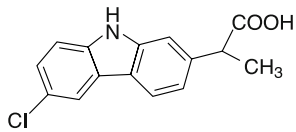
Detection: UV 254 nm

k': 2.83

α : 1.27

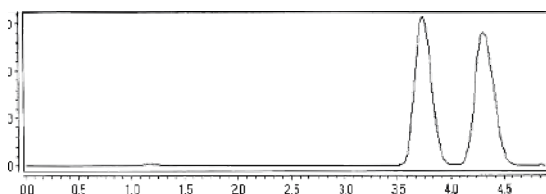
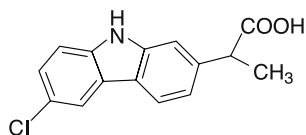
CAS #: 53716-49-7

Catalog #: 1-784104-300



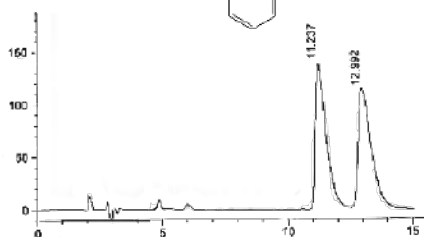
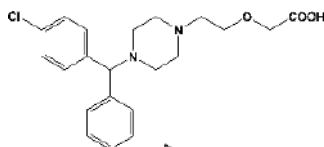
Carprofen

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{IPA} + 0.5\% \text{ TFA}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 3.98
 α : 1.19
Catalog #: 1-784104-300



Cetirizine

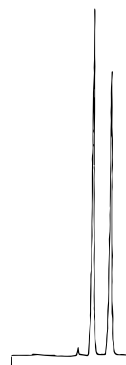
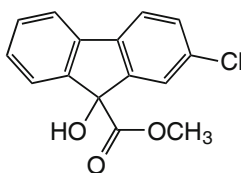
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: Hexane/Ethanol
+ 0.1% DEA + 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 4.82
 α : 1.19
Catalog #: 1-783104-300

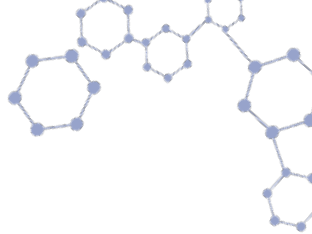


Chlorflurecol Methyl

Herbicide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 16 min
k': 3.96
 α : 1.28
Reference: 43
Catalog #: 1-780101-300, 1-780201-300





Chlormezanone

Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)
Hexane/IPA

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

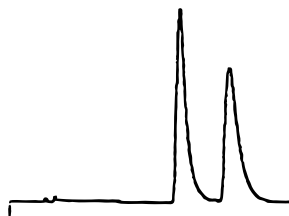
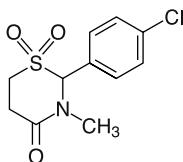
Run Time: 13.0 min

k': 4.48

α : 1.36

Reference: 46

Catalog #: 1-780201-300



Chlormezanone

Column: (S,S) Whelk-O, 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

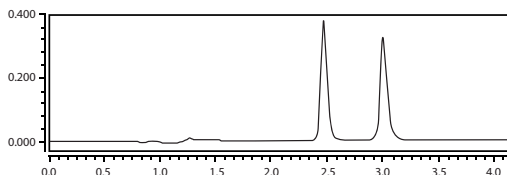
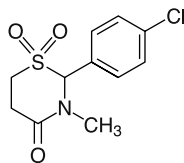
Pressure: 125 bar

Detection: UV 254 nm

k': 2.31

α : 1.31

Catalog #: 1-780101-300



Chlormezanone

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)
Hexane/IPA

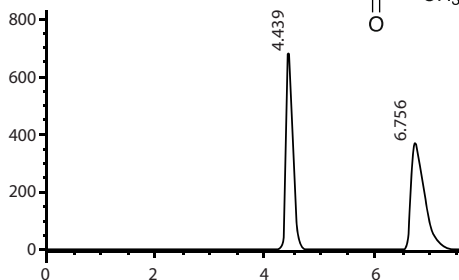
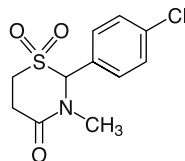
Flow Rate: 1.5 mL/min

Detection: UV 220 nm

k': 1.34

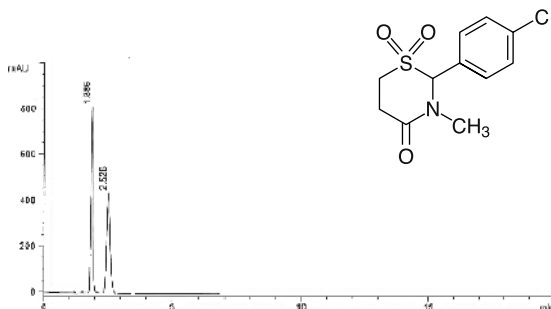
α : 1.91

Catalog #: 1-783104-300



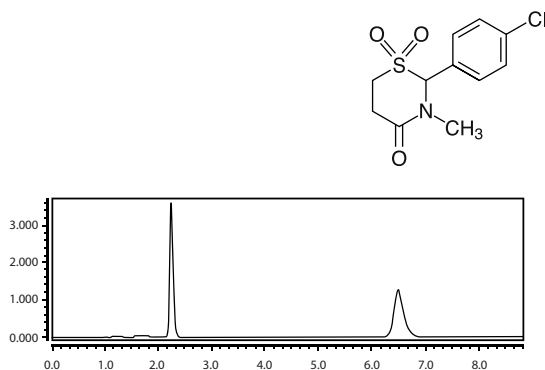
Chlormezanone

Column: RegisPack,
3 μm , 15 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k': 0.73
 α : 1.62
Catalog #: 1-783503-300



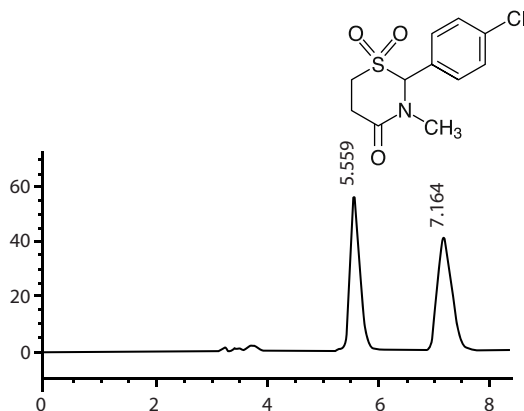
Chlormezanone

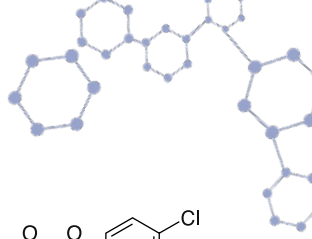
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (55/45)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.01
 α : 3.81
Catalog #: 1-783104-300



Chlormezanone

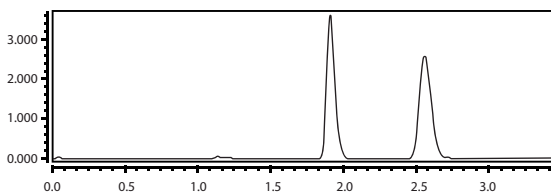
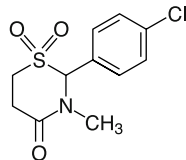
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 1.93
 α : 1.44
CAS #: 80-77-3
Catalog #: 1-784104-300





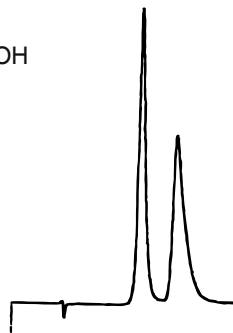
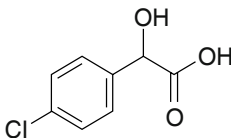
Chlormezanone

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
 CO_2/IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k': 1.54
 α : 1.56
Catalog #: 1-784104-300



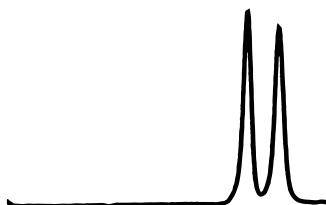
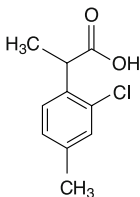
4-Chloromandelic Acid

Column: (R,R) Whelk-O 2,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 $\text{H}_2\text{O}/\text{CH}_3\text{OH}$
+ 0.1% Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10.0 min
k': 1.95
 α : 1.43
Reference: 46
Catalog #: 1-786315-300



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

Column: (S,S) ULMO,
5 μm , 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': 2.22
 α : 1.11
Reference: 48
Catalog #: 1-787100-300



2-(3-Chlorophenoxy) Propionic Acid

Column: (R,R) Whelk-O 1,

10 μm , 25 cm x 4.6 mm

Mobile Phase: (99/1)

Hexane/IPA

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

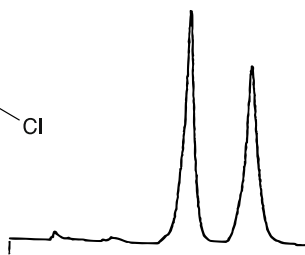
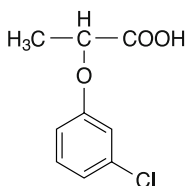
Run Time: 17.0 min

k': 6.09

α : 1.42

Reference: 46

Catalog #: 1-786515-300



DL-4-Chloro-phenylalanine

Column: ChiroSil ME RCA(+),

5 μm , 15 cm x 4.6 mm

Mobile Phase: (40/60)

0.01% Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

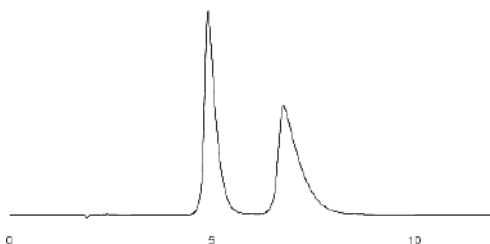
Detection: UV 210 nm

Temperature: 40°C

k': 0.78

α : 1.58

Catalog #: 1-788001-300



1-(m-Chlorophenyl) Ethanol

Column: (S,S) ULMO,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (98.5/1.5)

n-Heptane/1,2-Dimethoxyethane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

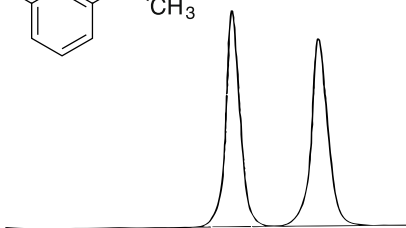
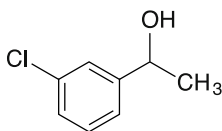
Run Time: 10.5 min

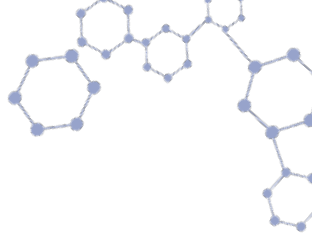
k': 2.13

α : 1.17

Reference: 60

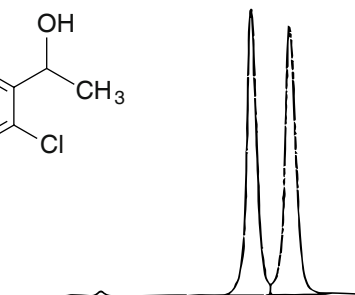
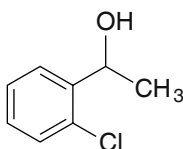
Catalog #: 1-787100-300





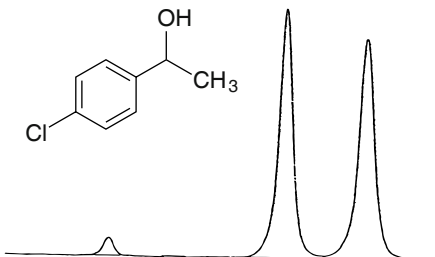
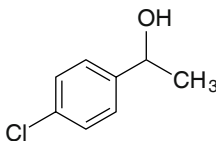
1-(o-Chlorophenyl) Ethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 8.5 min
k': 1.58
 α : 1.12
Reference: 60
Catalog #: 1-787100-300



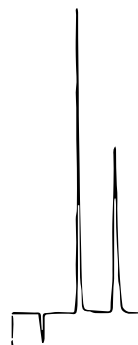
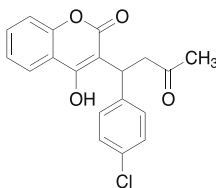
1-(p-Chlorophenyl) Ethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10.5 min
k': 2.18
 α : 1.15
Reference: 60
Catalog #: 1-787100-300



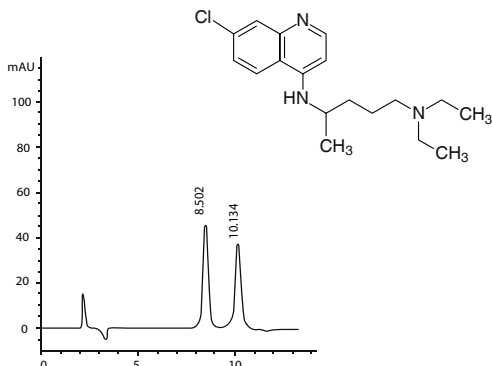
p-Chloro-Warfarin

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
MeOH/H₂O + 0.1% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 12 min
k': 1.64
 α : 1.93
Reference: 18
Catalog #: 1-780101-300, 1-780201-300



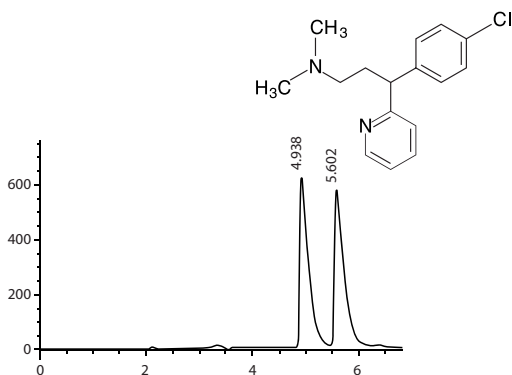
Chloroquine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (97/3)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 3.47
 α : 1.25
CAS #: 54-05-7
Catalog #: 1-783104-300



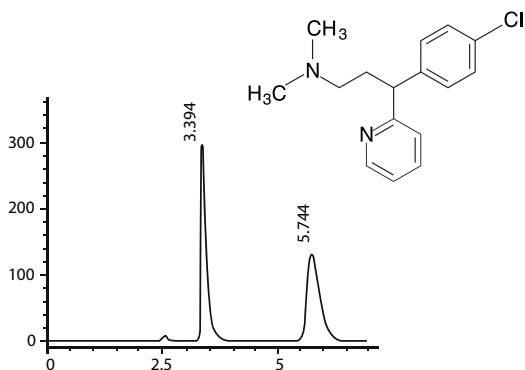
Chlorpheniramine

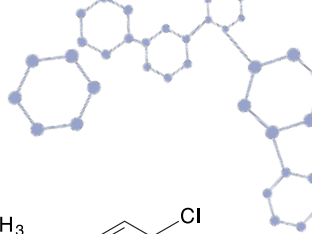
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.60
 α : 1.22
CAS #: 132-22-9
Catalog #: 1-783104-300



Chlorpheniramine

Column: RegisPack CLA-1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.76
 α : 2.60
CAS #: 132-22-9
Catalog #: 1-793104-300





Chlorpheniramine

Column: RegisPack CLA-1,
3 μm , 15 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/IPA

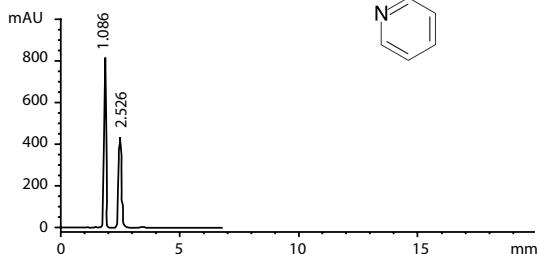
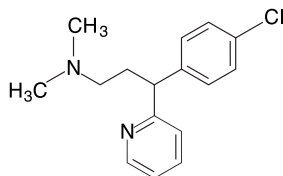
Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 0.63

α : 1.87

Catalog #: 1-793503-300



Chlorthalidone

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)

Hexane/Ethanol + 0.1% TFA

Flow Rate: 1.5 mL/min

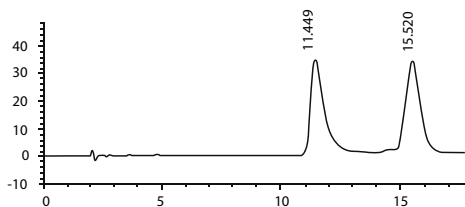
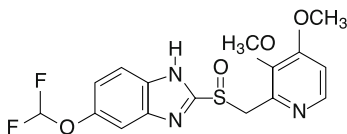
Detection: UV 254 nm

k': 5.03

α : 7.17

CAS #: 77-36-1

Catalog #: 1-783104-300



Chlorthalidone

Column: (S,S) DACH-DNB,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (99/1)

$\text{CH}_2\text{Cl}_2/\text{CH}_3\text{OH}$

+ 0.01 M Ammonium Acetate

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

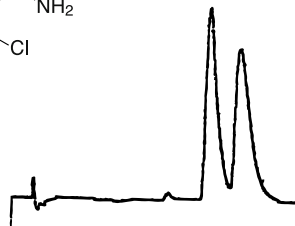
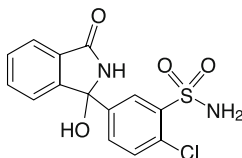
Run Time: 20.0 min

k': 9.38

α : 1.18

Reference: 46

Catalog #: 1-788201-300



Chrysanthemic Acid-Ethyl Ester

Mixture of Isomers

Column: Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: 100% Hexane

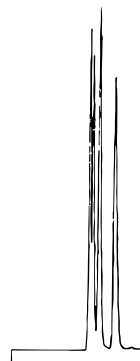
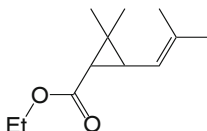
Flow Rate: 1.0 mL/min

Detection: UV 254 nm

Run Time: 10 min

Reference: 43

Catalog #: 1-780101-300, 1-780201-300



Cicloprofen

Column: Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA + 0.5% HOAc

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

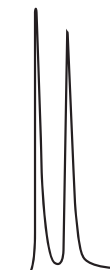
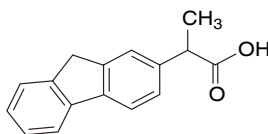
k': 0.48

α : 1.35

Reference: 26

Catalog #: 1-780101-300,

1-780201-300



Cicloprofen

Column: Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (20/80)

IPA/Hexane, 1g/L NH_4OAc

Flow Rate: 2.0 mL/min

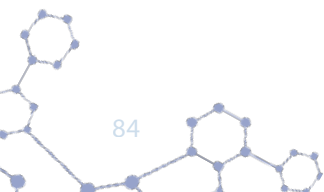
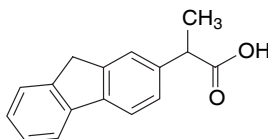
Detection: UV 254 nm

k': 1.16

α : 2.15

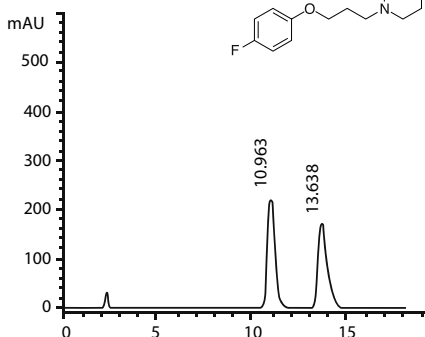
Reference: 4

Catalog #: 1-780101-300, 1-780201-300



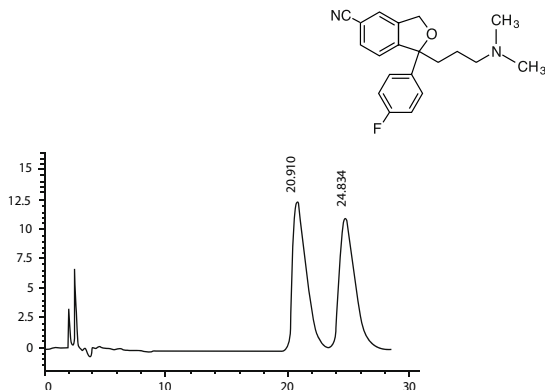
Cisapride

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 243 nm
k': 4.77
 α : 1.29
CAS #: 81098-60-4
Catalog #: 1-783104-300



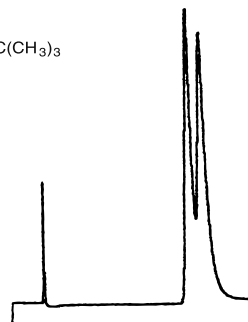
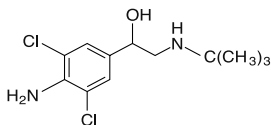
Citalopram

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
+ 0.1% DEA + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 10.01
 α : 1.21
CAS #: 59729-33-8
Catalog #: 1-784104-300



Clenbuterol

Column: (R) α -Burke 2,
5 μm , 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': 4.99
 α : 1.09
Reference: 46
Catalog #: 1-735035-300



Combretastatin D-1

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (20/80)
IPA/Hexane

Flow Rate: 2.0 mL/min

Detection: UV 254 nm

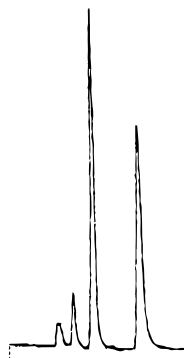
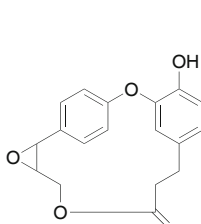
Run Time: 13 min

k': 4.54

α : 1.45

Reference: 17

Catalog #: 1-780101-300, 1-780201-300



Combretastatin D-1

Semi-Prep Separation

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (20/80)
IPA/Hexane

200 μl of 12.7 mg/ml soln

Flow Rate: 2.0 mL/min

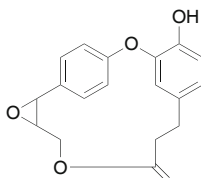
Detection: UV 300 nm

Load: 2.5 mg

Run Time: 10 min

Reference: 17

Catalog #: 1-780101-300, 1-780201-300



Coumachlor

Column: (R,R) Whelk-O 1,
5 μm , 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

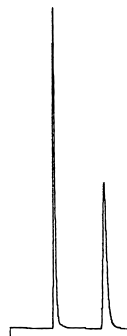
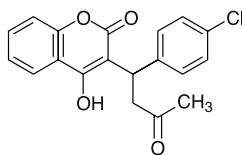
Run Time: 10.0 min

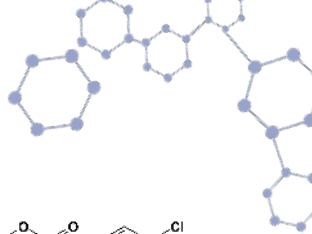
k': 1.48

α : 2.90

Reference: 46

Catalog #: 1-780201-300





Coumachlor

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

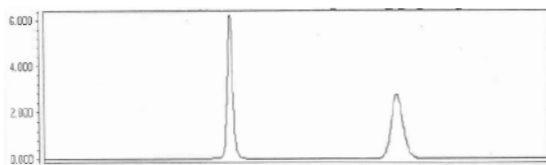
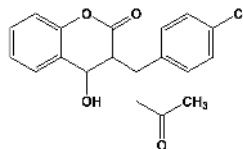
Temperature: 40°C

Pressure: 125 bar
Detection: UV 254 nm

k': 2.29

α : 2.28

Catalog #: 1-780101-300



Coumachlor

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

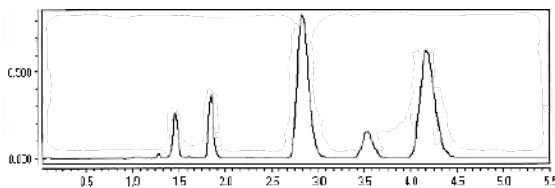
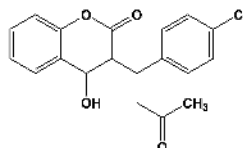
Temperature: 40°C

Pressure: 125 bar
Detection: UV 254 nm

k': 2.78

α : 1.64

Catalog #: 1-783104-300



Coumachlor

Column: RegisCell,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/Ethanol
+ 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

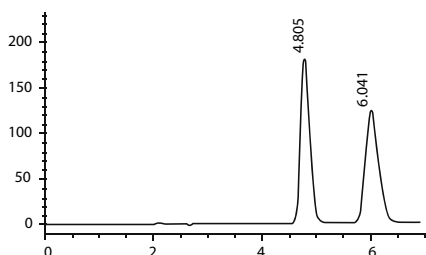
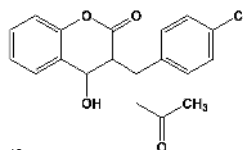
Detection: UV 254 nm

k': 1.53

α : 1.43

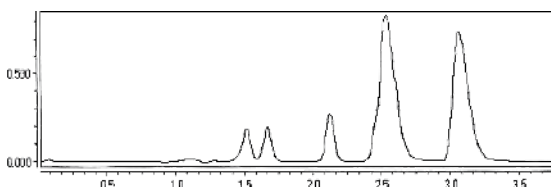
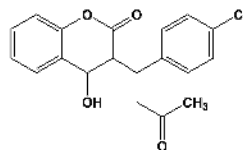
CAS #: 81-82-3

Catalog #: 1-784104-300



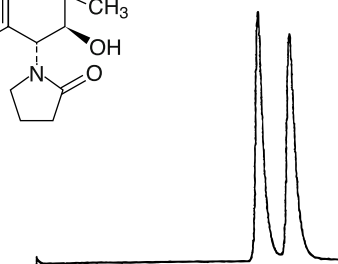
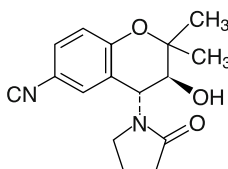
Coumachlor

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.38
 α : 1.30
Catalog #: 1-784104-300



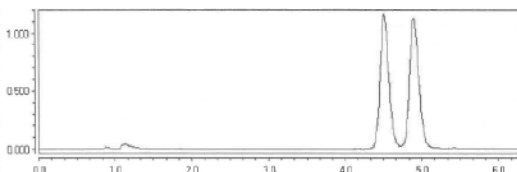
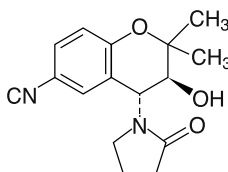
Cromakalim

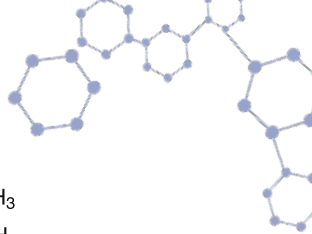
Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (92/8)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 21.0 min
k': 9.18
 α : 1.14
Reference: 46
Catalog #: 1-780101-300



Cromakalim

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 $\text{CO}_2/\text{Ethanol}$
Flow Rate: 4.0 mL/min
Temp: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 5.01
 α : 1.10
Catalog #: 1-780101-300





Cromakalim

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

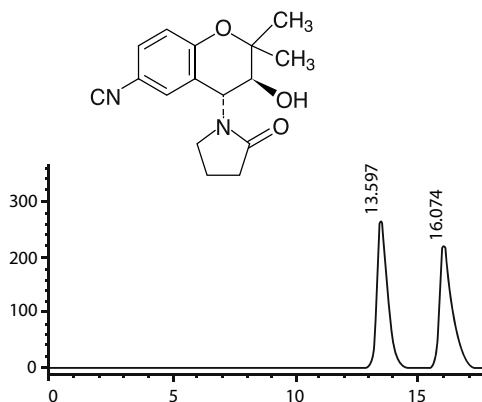
Detection: UV 254 nm

k': 6.12

α : 1.22

CAS #: 94470-67-4

Catalog #: 1-783104-300



Cromakalim

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: CO₂/IPA (85/15)

Flow Rate: 4.0 mL/min

Temperature: 40°C

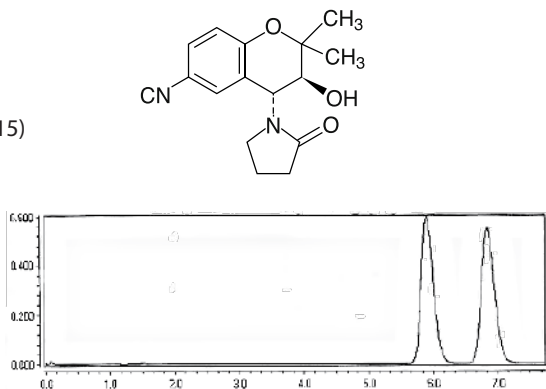
Pressure: 125 bar

Detection: UV 254 nm

k': 6.87

α : 1.18

Catalog #: 1-783104-300



Cromakalim

Column: RegisCell,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/IPA

Flow Rate: 1.5 mL/min

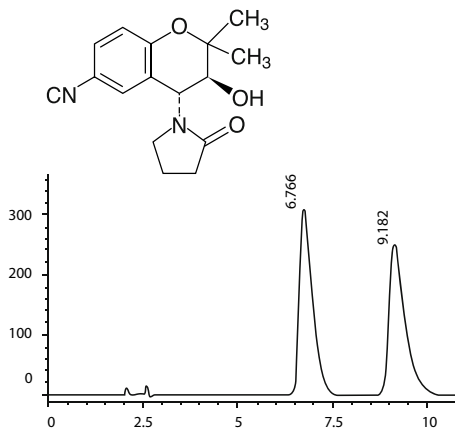
Detection: UV 254 nm

k': 2.57

α : 1.49

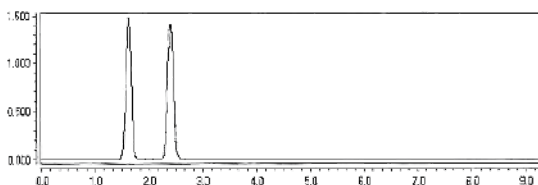
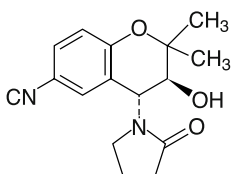
CAS #: 94470-67-4

Catalog #: 1-784104-300



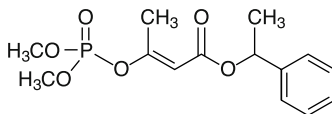
Cromakalim

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 CO_2 /IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.19
 α : 1.86
Catalog #: 1-784104-300



Crotoxypfos

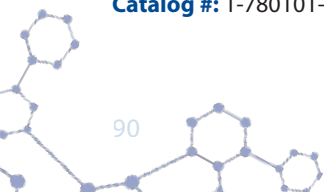
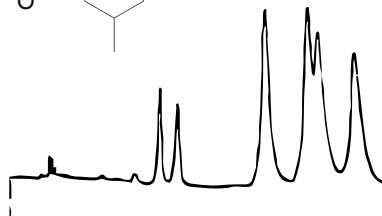
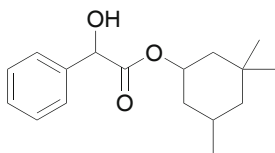
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 4.37
 α : 1.93
Reference: 43
Catalog #: 1-780101-300

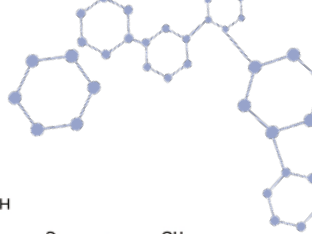


Cyclandelate

Mixture of Isomers

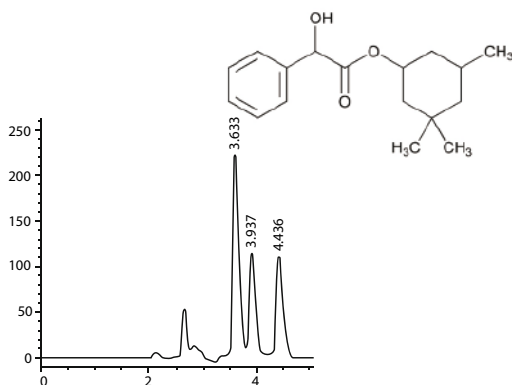
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Hexane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 35 min
Reference: 18
Catalog #: 1-780101-300





Cyclandelate

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (92/8)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
CAS #: 456-59-7
Catalog #: 1-783104-300



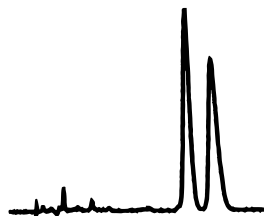
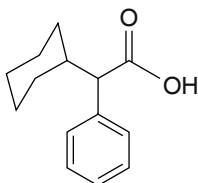
Cyclandelate

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 0.44
 α : 1.80
CAS #: 456-59-7
Catalog #: 1-784104-300



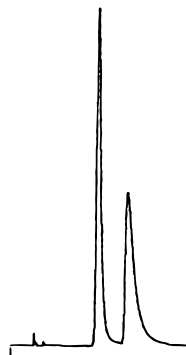
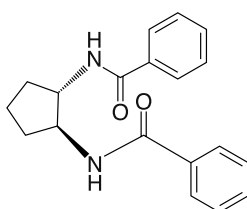
1-Cyclohexyl-1-phenylacetic Acid

Column: (S,S) ULMO,
5 μm , 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': 2.53
 α : 1.18
Reference: 48
Catalog #: 1-787100-300



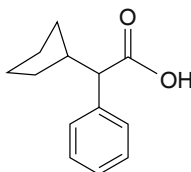
Cyclopentyl Benzoyl-Diamide

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 8.7 min
k': 2.62
 α : 1.47
Reference: 46
Catalog #: 1-787100-300



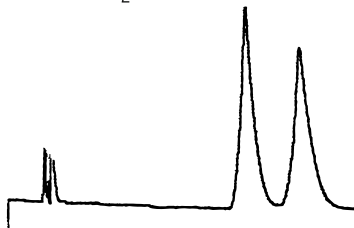
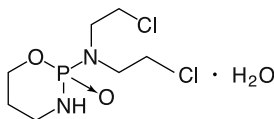
1-Cyclopentyl-1-phenylacetic Acid

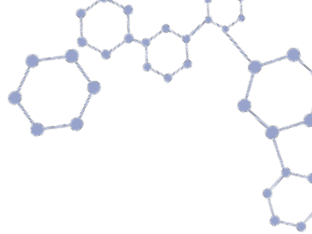
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 12.0 min
k': 2.46
 α : 1.19
Reference: 48
Catalog #: 1-787100-300



Cyclophosphamide

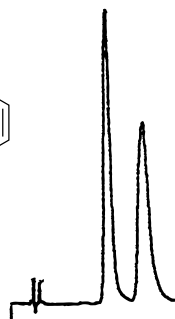
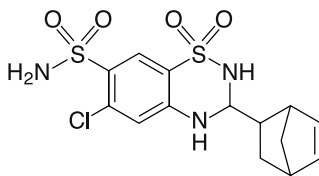
Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 195 nm
Run Time: 16.0 min
k': 6.31
 α : 1.27
Reference: 46
Catalog #: 1-786515-300





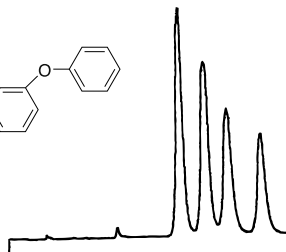
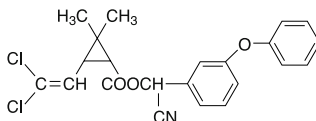
Cyclothiazide

Column: (S,S) ULMO,
5 μm , 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': 3.71
 α : 1.47
Reference: 46
Catalog #: 1-787100-300



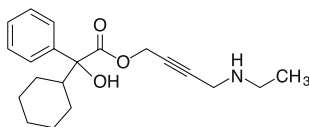
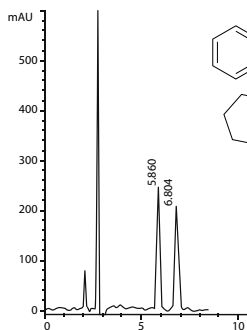
cis:trans Cypermethrin

Column: (3R,4S) Pirkle 1-J,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2) Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 22.0 min
k' (trans): 4.59
 α (trans): 1.19
k' (cis): 6.19
 α (cis): 1.18
Reference: 46
Catalog #: 1-731044-300



Desethyloxybutynin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.08
 α : 1.24
CAS #: 81039-77-2
Catalog #: 1-783104-300



Devrinol

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

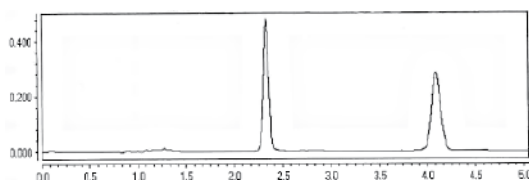
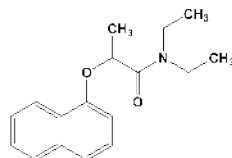
Pressure: 125 bar

Detection: UV 254 nm

k': 2.10

α : 2.12

Catalog #: 1-780101-300



Devrinol, Napropamide

Herbicide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)
IPA/Hexane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

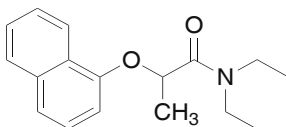
Run Time: 15 min

k': 3.17

α : 3.00

Reference: 43

Catalog #: 1-780101-300; 1-780201-300



Dexmedetomidine (Enriched)

Column: (S,S) Whelk-O 2,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/Ethanol

+ 10 mM Ammonium Acetate

Flow Rate: 1.5 mL/min

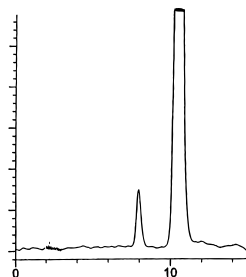
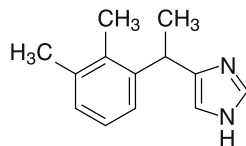
Detection: UV 220 nm

k': 3.41

α : 1.39

Reference: 46

Catalog #: 1-786447-300





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

Column: ChiroSil RCA(+),

5 μm , 15 cm x 4.6 mm

Mobile Phase: (80/20)

$\text{CH}_2\text{OH}/\text{H}_2\text{O}$

+ 0.1% Phosphoric acid

Flow Rate: 1.0 mL/min

Detection: UV 220 nm

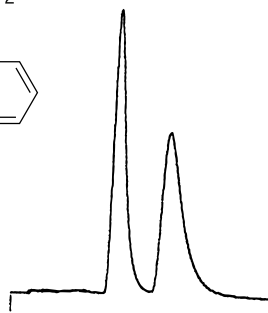
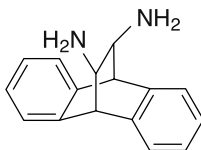
Run Time: 10.7 min

k': 3.22

α : 1.65

Reference: 46

Catalog #: 1-799001-300



2,3-Dibenzoyl-Tartaric Acid

Column: (R,R) ULMO,

10 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/Ethanol +

10 mM Ammonium Acetate

Flow Rate: 1.5 mL/min

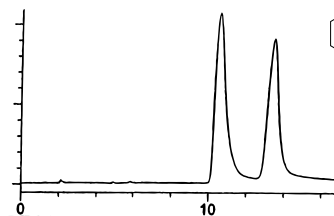
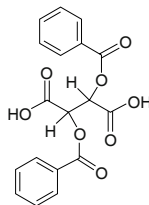
Detection: UV 254 nm

k': 4.87

α : 1.33

Reference: 46

Catalog #: 1-787400-300



Diclofop Methyl

Herbicide

Column: Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: Hexane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

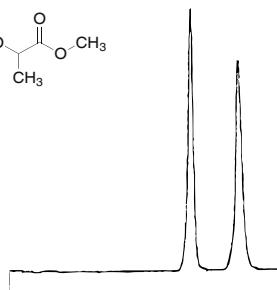
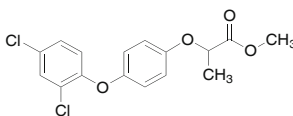
Run Time: 30 min

k': 14.19

α : 1.30

Reference: 43

Catalog #: 1-780101-300, 1-780201-300



Diclofop Methyl

Herbicide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (99/1)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

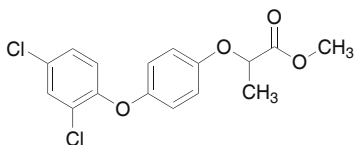
Run Time: 30 min

k': 4.29

α : 1.21

Reference: 43

Catalog #: 1-780101-300; 1-780201-300



Dihydroquinazolinones

6,7-dimethoxy-3-(tetrahydro-2-furanyl)methyl)-2,4(1H,3H)-quinazolin-2(1H)-one

Column: RegisPack, 5 μm ,
25 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/IPA

Flow Rate: 2.0 mL/min

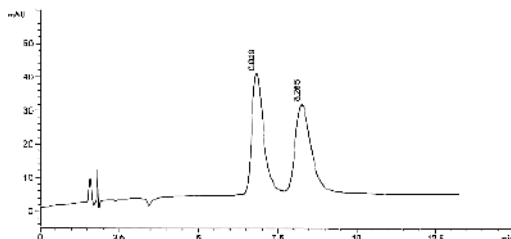
Detection: UV 220 nm

k': 3.71

k': 4.70

α : 1.27

Catalog #: 1-783104-300



Dihydroquinazolinones

6,7-dimethoxy-3-(tetrahydro-2-furanyl)methyl)-2,4(1H,3H)-quinazolin-2(1H)-one

Column: RegisCell,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

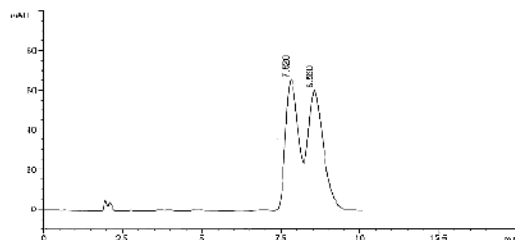
Detection: UV 220 nm

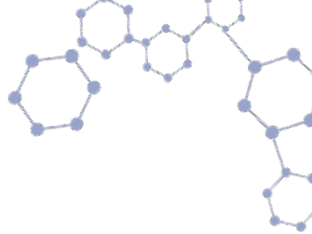
k': 3.12

k': 3.51

α : 1.13

Catalog #: 1-784104-300





Dihydroquinazolinones

1-allyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/Ethanol

Flow Rate: 2.0 mL/min

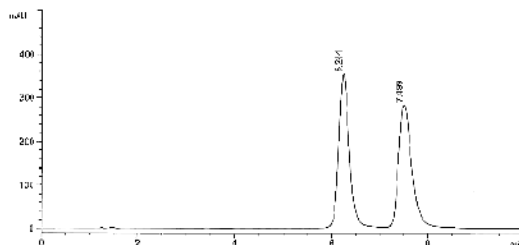
Detection: UV 220 nm

k'₁: 3.30

k'₂: 4.17

α : 1.26

Catalog #: 1-780101-300



Dihydroquinazolinones

1-allyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: Whelk-O 1, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (75/25)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

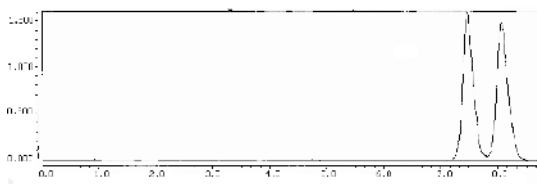
Detection: UV 254 nm

k'₁: 8.97

k'₂: 9.76

α : 1.09

Catalog #: 1-780101-300, 1-780201-300



Dihydroquinazolinones

1-allyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

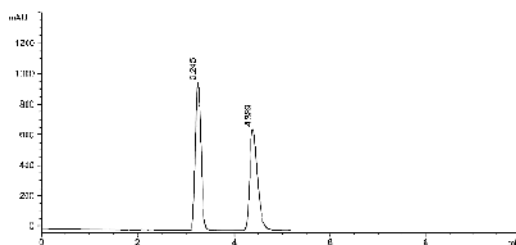
Detection: UV 220 nm

k'₁: 0.71

k'₂: 1.31

α : 1.85

Catalog #: 1-783104-300



Dihydroquinazolinones

1-allyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'-(1H,3'H)-dione

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

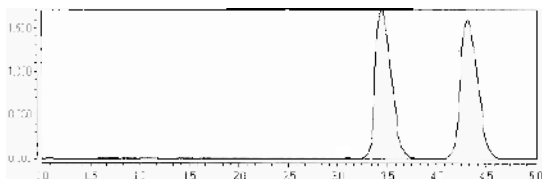
Detection: UV 254 nm

k'₁: 1.72

k'₂: 5.48

α : 3.19

Catalog #: 1-783104-300



Dihydroquinazolinones

1-allyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'-(1H,3'H)-dione

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

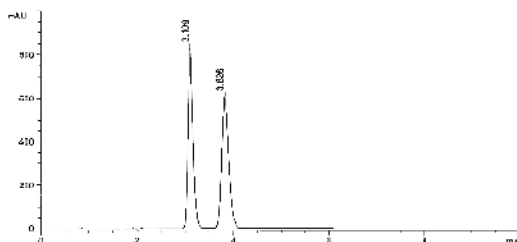
Detection: UV 220 nm

k'₁: 0.64

k'₂: 1.02

α : 1.59

Catalog #: 1-784104-300



Dihydroquinazolinones

1-allyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'-(1H,3'H)-dione

Column: RegisCell, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

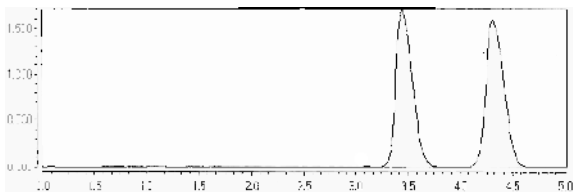
Detection: UV 254 nm

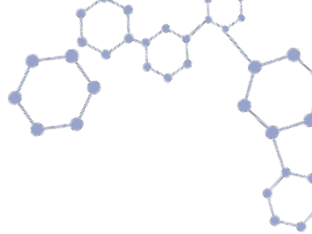
k'₁: 3.60

k'₂: 4.76

α : 1.32

Catalog #: 1-784104-300





Dihydroquinazolinones

1-propyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (65/35)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

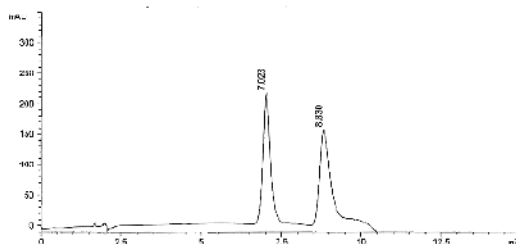
Detection: UV 220 nm

k'₁: 2.70

k'₂: 3.65

α : 1.35

Catalog #: 1-780101-300



Dihydroquinazolinones

1-propyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: Whelk-O 1, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (75/25) CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

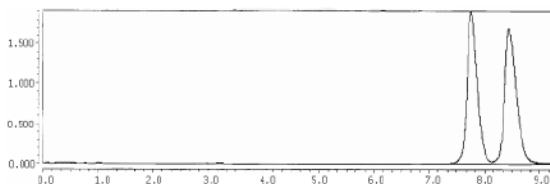
Detection: UV 254 nm

k'₁: 9.36

k'₂: 10.28

α : 1.10

Catalog #: 1-780101-300



Dihydroquinazolinones

1-propyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisPack, 5 μ m,

25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

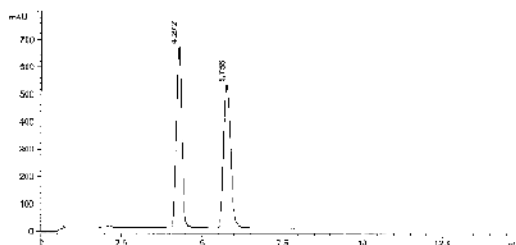
Detection: UV 220 nm

k'₁: 1.25

k'₂: 2.03

α : 1.62

Catalog #: 1-783104-300



Dihydroquinazolinones

1-propyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (65/35)

CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

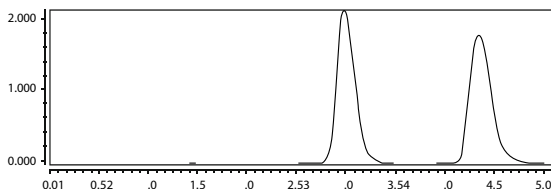
Detection: UV 254 nm

k'₁: 3.01

k'₂: 4.83

α : 1.60

Catalog #: 1-783104-300



Dihydroquinazolinones

1-propyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisCell, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

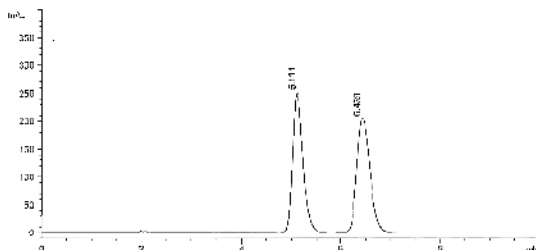
Detection: UV 220 nm

k'₁: 1.69

k'₂: 2.39

α : 1.41

Catalog #: 1-784104-300



Dihydroquinazolinones

1-propyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisCell, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (75/25)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temp: 40°C

Pressure: 124 bar

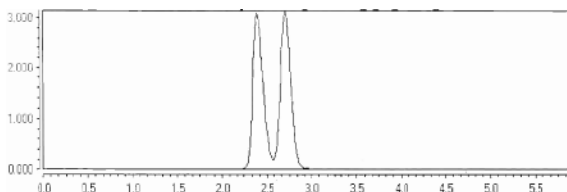
Detection: UV 254 nm

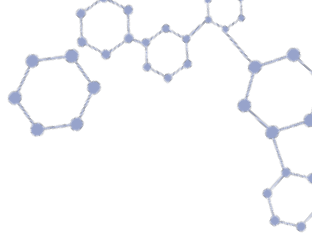
k'₁: 2.19

k'₂: 2.61

α : 1.19

Catalog #: 1-784104-300





Dihydroquinazolinones

1-isobutyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

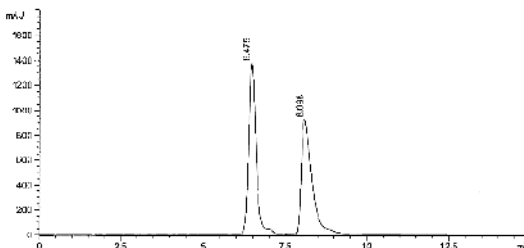
Detection: UV 220 nm

k'₁: 2.41

k'₂: 3.26

α : 1.35

Catalog #: 1-780101-300



Dihydroquinazolinones

1-isobutyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30) CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

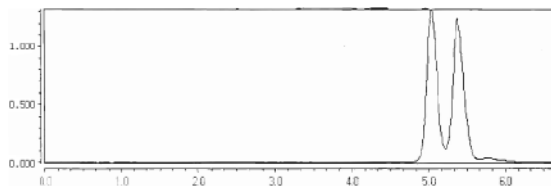
Detection: UV 254 nm

k'₁: 5.72

k'₂: 6.17

α : 1.08

Catalog #: 1-780101-300



Dihydroquinazolinones

1-isobutyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

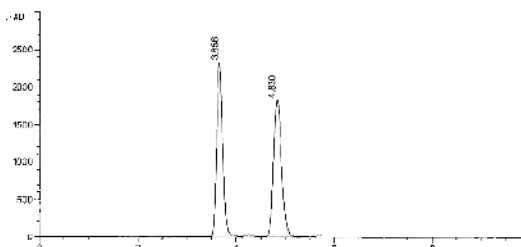
Detection: UV 220 nm

k'₁: 0.92

k'₂: 1.54

α : 1.67

Catalog #: 1-783104-300



Dihydroquinazolinones

1-isobutyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)
CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 123 bar

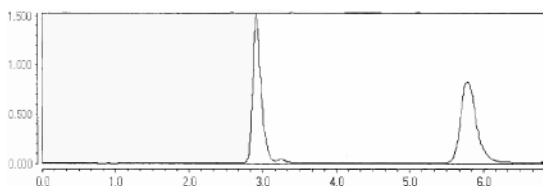
Detection: UV 254 nm

k'₁: 2.89

k'₂: 6.72

α : 2.33

Catalog #: 1-783104-300



Dihydroquinazolinones

1-isobutyl-1'H-spiro[indole-3,2'-quinazoline]-2,4'(1H,3'H)-dione

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/IPA

Flow Rate: 1.5 mL/min

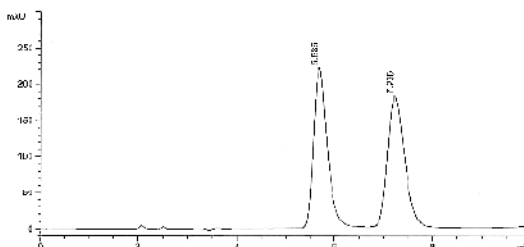
Detection: UV 220 nm

k'₁: 1.99

k'₂: 2.81

α : 1.41

Catalog #: 1-784104-300



Dihydroquinazolinones

4,4,6-trimethyl-1'H,4H-spiro[pyrrolo[3,2,1-ij]quinoline-1,2'-quinazoline]-2,4'(3'H)-dione

Column: (S,S) Whelk-O 1, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (75/25)

CO₂/IPA + 0.2% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

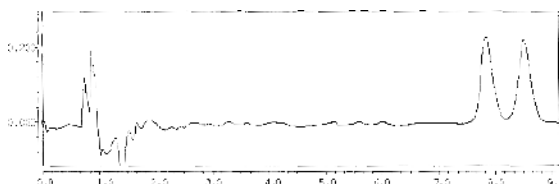
Detection: UV 220 nm

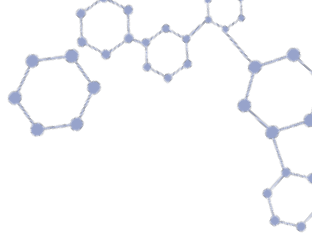
k'₁: 9.47

k'₂: 10.36

α : 1.09

Catalog #: 1-780101-300

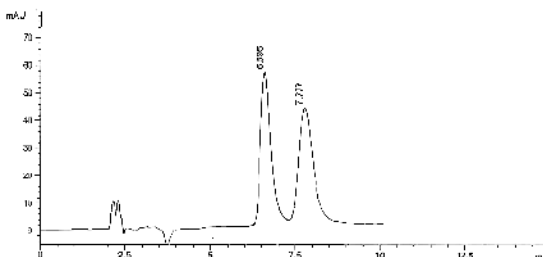




Dihydroquinazolinones

4,4,6-trimethyl-1'H,4H-spiro[pyrrolo[3,2,1-ij]quinoline-1,2'-quinazoline]-2,4'(3'H)-dione

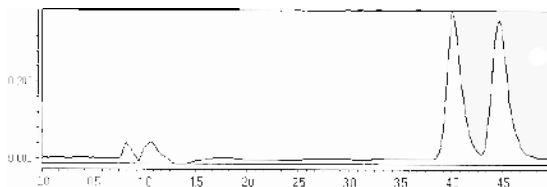
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.47
k': 3.09
 α : 1.25
Catalog #: 1-783104-300



Dihydroquinazolinones

4,4,6-trimethyl-1'H,4H-spiro[pyrrolo[3,2,1-ij]quinoline-1,2'-quinazoline]-2,4'(3'H)-dione

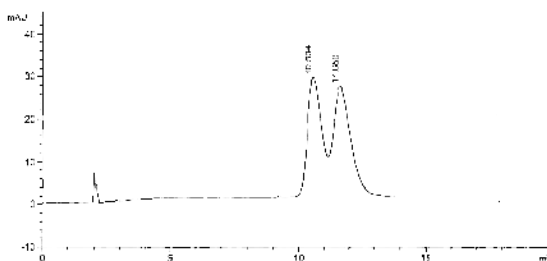
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
CO₂/CH₃OH + 0.2% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 4.36
k': 4.96
 α : 1.14
Catalog #: 1-783104-300



Dihydroquinazolinones

4,4,6-trimethyl-1'H,4H-spiro[pyrrolo[3,2,1-ij]quinoline-1,2'-quinazoline]-2,4'(3'H)-dione

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 4.58
k': 5.13
 α : 1.12
Catalog #: 1-784104-300



Dihydroquinazolinones

4,4,6-trimethyl-1'H,4H-spiro[pyrrolo[3,2,1-ij]quinoline-1,2'-quinazoline]-2,4'(3'H)-dione

Column: RegisCell, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)

$\text{CO}_2/\text{IPA} + 0.2\% \text{ DEA}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

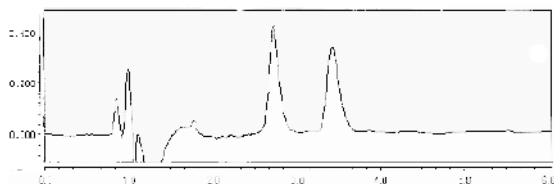
Detection: UV 220 nm

k': 2.64

k': 3.57

α : 1.35

Catalog #: 1-784104-300



Dihyrotetabenazine

Column: (S,S) Whelk-O 1,

10 μm , 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

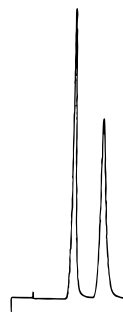
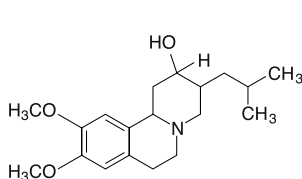
Run Time: 9.3 min

k': 2.50

α : 1.65

Reference: 46

Catalog #: 1-786515-300



r-7,t-8-Dihydroxy-t-9, 10-epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene

Column: (R,R) β -Gem 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)

Hexane/EtOH

Flow Rate: 1.0 mL/min

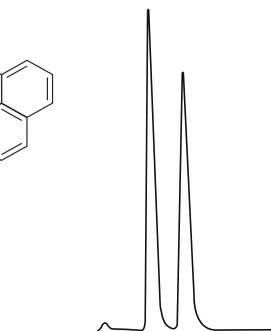
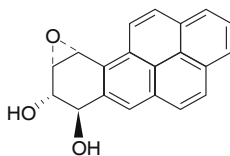
Detection: UV 254 nm

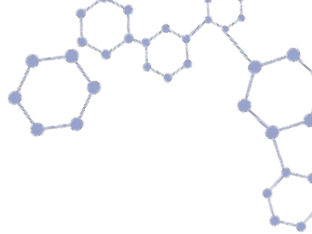
Run Time: 14 min

k': 3.18

α : 1.25

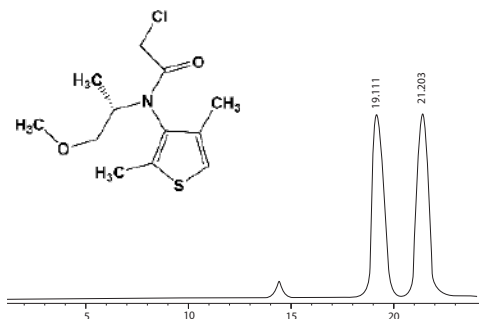
Catalog #: 1-731043-300





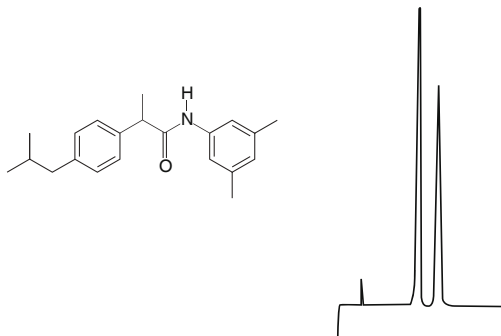
Dimethenamid-P

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 237 nm
k': 12.18
 α : 1.12
Catalog #: 1-780101-300;
1-780201-300



3,5-Dimethylanilide-R,S-Ibuprofen

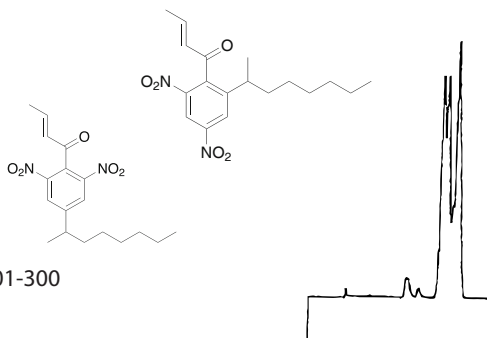
Column: (3R,4S) Pirkle 1-J,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 13.0 bar
k': 2.91
 α : 1.36
Reference: 46
Catalog #: 1-731044-300



Dinocap

Fungicide (mixture of isomers)

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100% Hexane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
Reference: 43
Catalog #: 1-780101-300, 1-780201-300



Diperodon

Column: (R) α -Burke 2,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (48/48/4)

CH_2Cl_2 /Hexane/Ethanol
+ 1.5 mM Ammonium Acetate

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

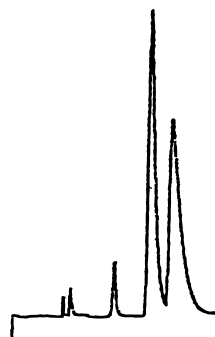
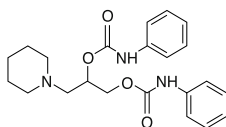
Run Time: 9.0 min

k': 1.7

α : 1.25

Reference: 46

Catalog #: 1-735035-300



Disopyramide

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (97/3)

Hexane/IPA + 0.1% DEA

Flow Rate: 1.5 mL/min

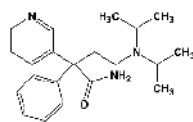
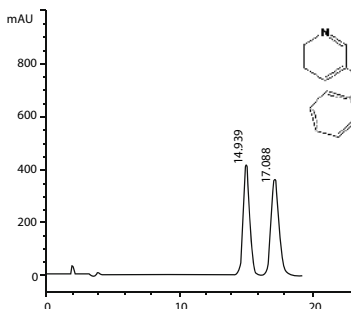
Detection: UV 254 nm

k': 6.86

α : 1.17

CAS #: 3737-09-5

Catalog #: 1-783104-300



Disopyramide

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO_2 /IPA + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

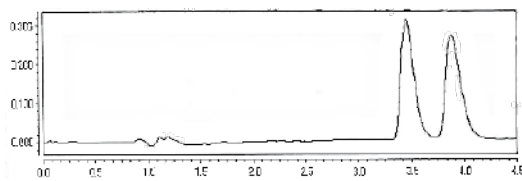
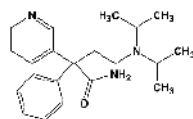
Pressure: 125 bar

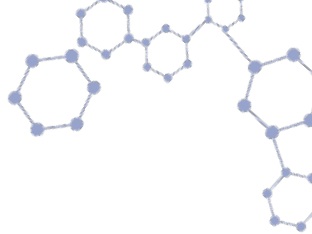
Detection: UV 254 nm

k': 3.59

α : 1.16

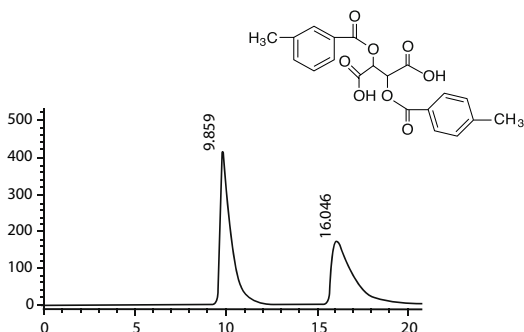
Catalog #: 1-783104-300





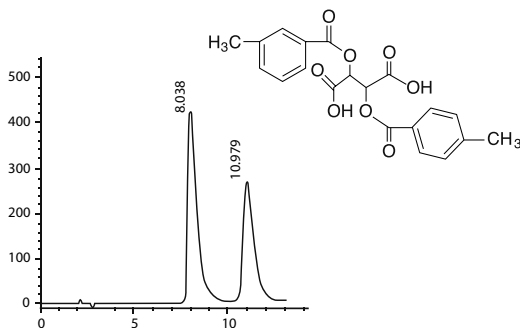
Ditoluoyltartaric Acid

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 4.11
 α : 1.78
Catalog #: 1-783104-300



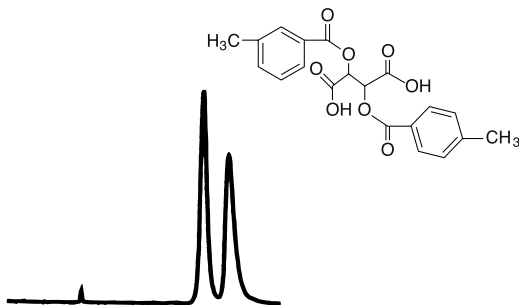
Ditoluoyltartaric Acid

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 3.16
 α : 1.48
Catalog #: 1-784104-300



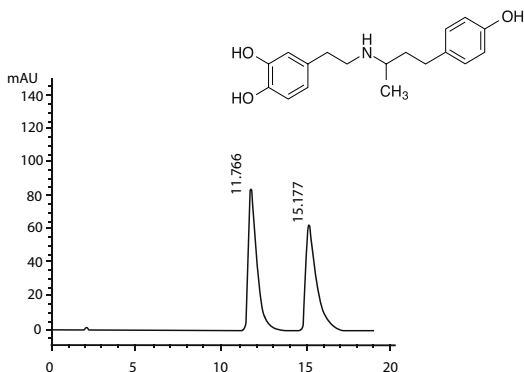
Ditoluoyltartaric Acid

Column: (S,S) ULMO,
5 μm , 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': 2.47
 α : 1.19
Reference: 48
Catalog #: 1-787100-300



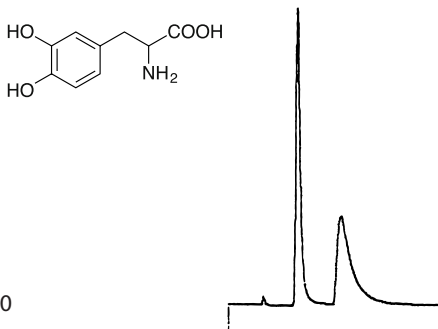
Dobutamine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 280 nm
k': 5.19
 α : 1.35
CAS #: 34368-04-2
Catalog #: 1-783104-300



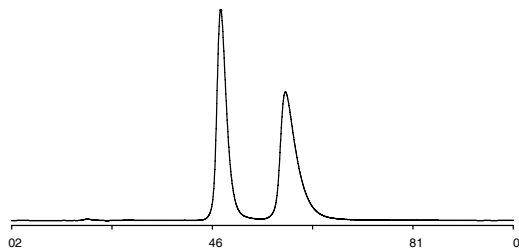
DOPA

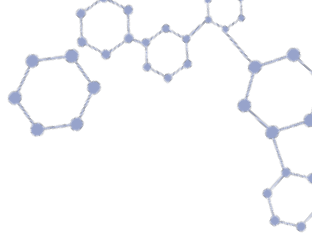
Column: ChiroSil,
5 μ m, 15 cm x 4.6 mm
Mobile Phase: (70/30)
CH₃OH/H₂O
+0.01% Phosphoric acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 5.5 min
k': 0.97
 α : 2.30
Catalog #: 1-799001-300, 1-799101-300



DL-DOPA

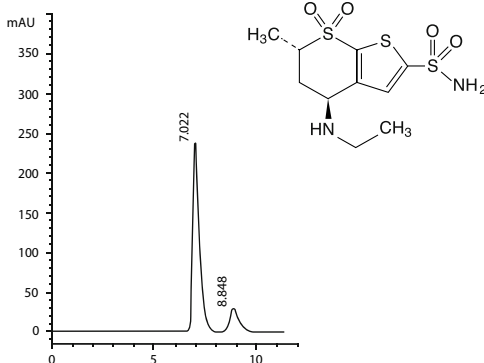
Column: ChiroSil ME RCA(+),
5 μ m, 15 cm x 4.6 mm
Mobile Phase: (30/70)
0.01% Phosphoric Acid / MeOH
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Temperature: 20°C
k': 1.20
 α : 1.57
Catalog #: 1-788001-300





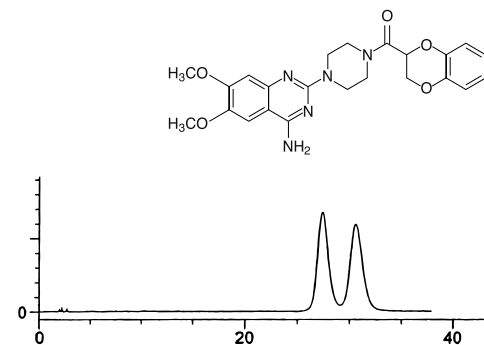
Enriched Dorzolamide

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254nm
k': 2.70
 α : 1.35
CAS #: 120279-96-1
Catalog #: 1-784104-300



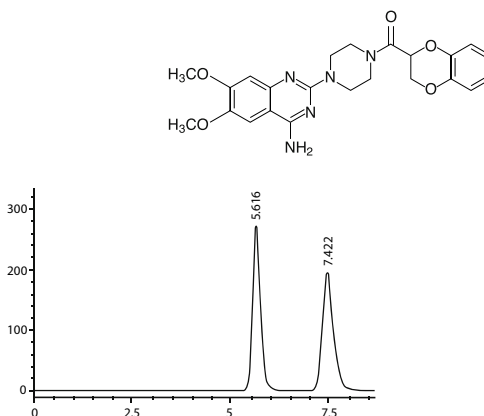
Doxazosin

Column: (S,S) Whelk-O 1,
10 μm , 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': 14.2
 α : 1.13
Reference: 46
Catalog #: 1-786615-300



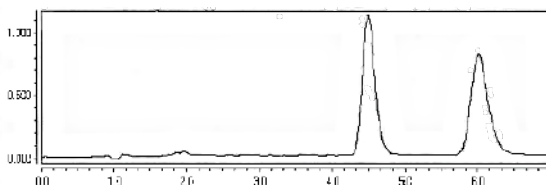
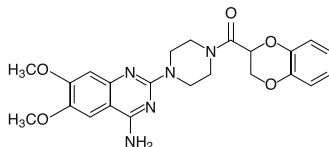
Doxazosin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254nm
k': 1.96
 α : 1.49
CAS #: 77883-43-3
Catalog #: 1-783104-300



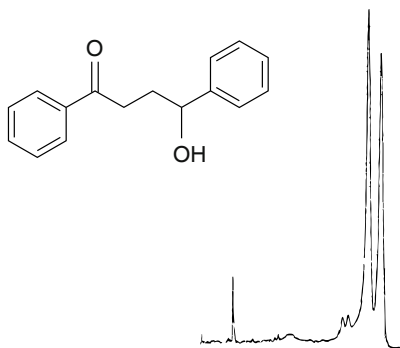
Doxazosin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
 $\text{CO}_2/\text{IPA} + 0.5\% \text{ DEA}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 5.00
 α : 1.41
Catalog #: 1-783104-300



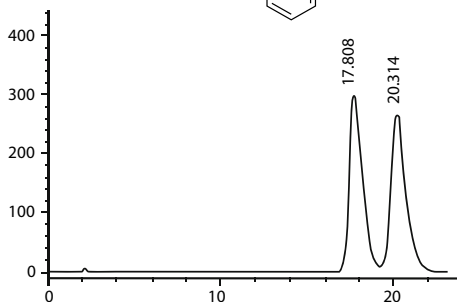
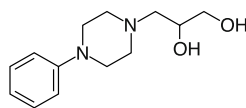
DPHB

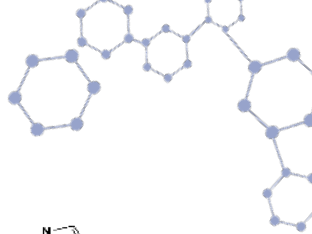
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (94/6)
Hexane/EtOH
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 41 min
Reference: 29
Catalog #: 1-780101-300,
1-780201-300



Dropropizine

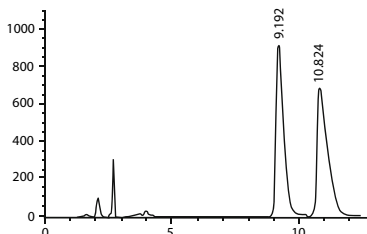
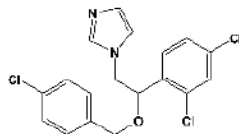
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol
+ 0.1% DEA + 0.1%TFA
Flow Rate: 1.5 mL/min
Detection: UV 254nm
k': 8.37
 α : 1.16
CAS #: 17692-31-8
Catalog #: 1-784104-300





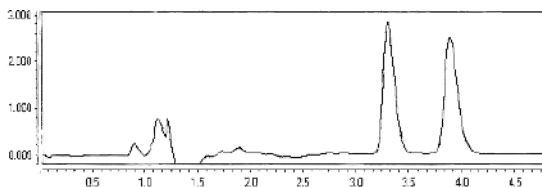
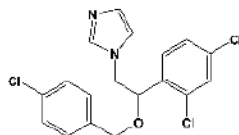
Econazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 3.84
 α : 1.22
CAS #: 27220-47-9
Catalog #: 1-783104-300



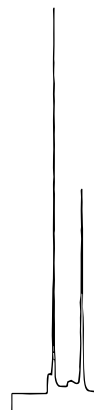
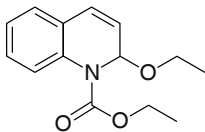
Econazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
 CO_2 /IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.42
 α : 1.23
Catalog #: 1-783104-300



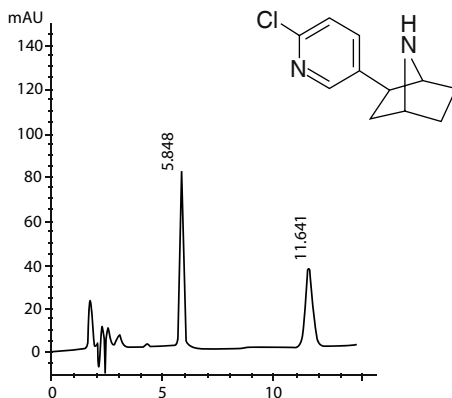
EEDQ

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 25 min
k': 1.53
 α : 2.13
Reference: 18
Catalog #: 1-780101-300, 1-780201-300



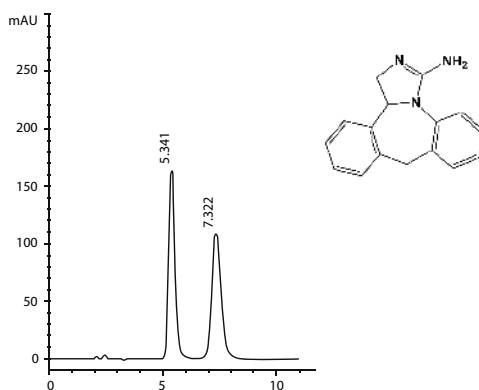
Epibatidine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: 100%
Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.08
 α : 2.44
CAS #: 140111-52-0
Catalog #: 1-783104-300



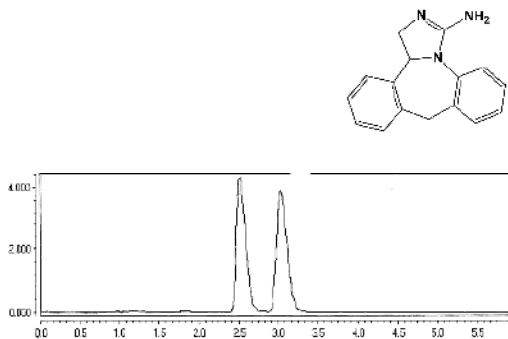
Epinastine

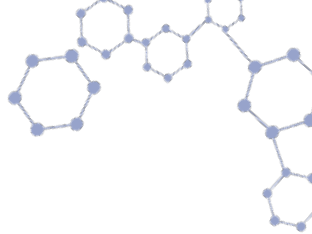
Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% DEA
+ 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.81
 α : 2.85
CAS #: 80012-43-7
Catalog #: 1-784104-300



Epinastine

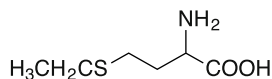
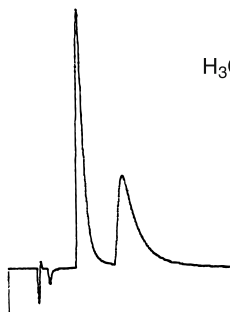
Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
CO₂/CH₃OH + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.37
 α : 1.29
Catalog #: 1-784104-300





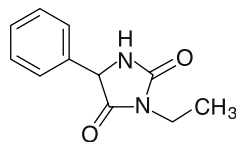
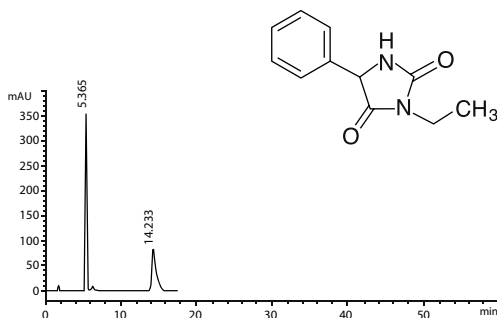
Ethionine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (75/25)
CH₃OH/H₂O + 0.02% Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 6.2 min
k': 1.29
 α : 2.07
Catalog #: 1-799001-300,
1-799101-300



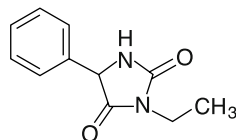
Ethotoin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (72/25)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.78
 α : 3.62
Catalog #: 1-780101-300



Ethotoin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 11.0 min
k': 1.65
 α : 3.03
Reference: 46
Catalog #: 1-780101-300



Ethyl-2-(p-Hydroxyphenoxy) Propionate

Column: (S,S) Whelk-O 1,

10 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2)

Hexane/Ethanol

Flow Rate: 2.0 mL/min

Detection: UV 254 nm

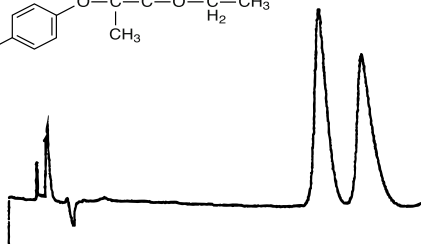
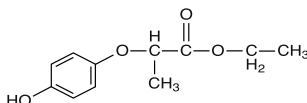
Run Time: 21.1 min

k': 12.72

α : 1.15

Reference: 46

Catalog #: 1-786615-300



Etodolac

Column: (S,S) ULMO,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

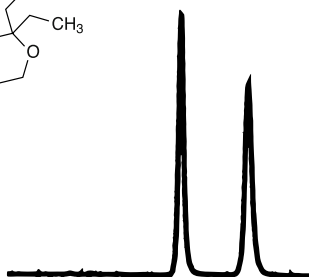
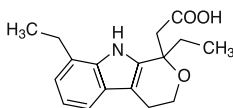
Run Time: 14.5 min

k': 2.43

α : 1.50

Reference: 48

Catalog #: 1-787100-300



Fendiline

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

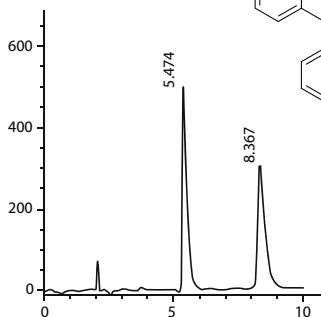
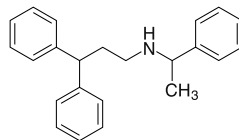
Detection: UV 220 nm

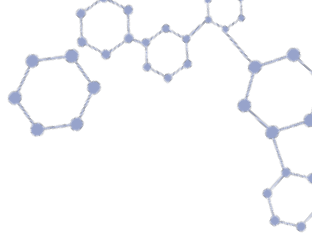
k': 1.88

α : 1.81

CAS #: 13042-18-7

Catalog #: 1-783104-300





Fenoprofen

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA + 0.1% Acetic Acid

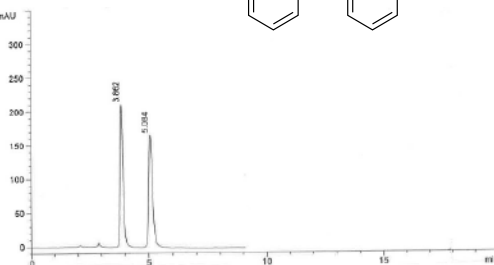
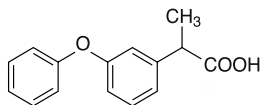
Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 1.00

α : 1.63

Catalog #: 1-780101-300



Fenoprofen

Column: (R,R) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (98/2)

Hexane/IPA +

0.1% Acetic Acid

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

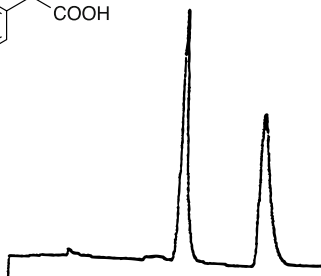
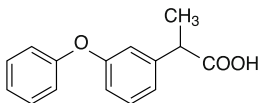
Run Time: 14.5 min

k': 2.62

α : 1.66

Reference: 46

Catalog #: 1-780201-300



Fenoprofen

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (85/15)

CO₂/Ethanol+ .5% Acetic Acid

Flow Rate: 4.0 mL/min

Temperature: 40°C

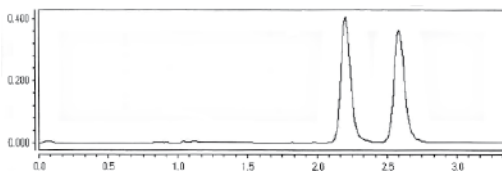
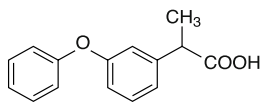
Pressure: 125 bar

Detection: UV 254 nm

k': 1.94

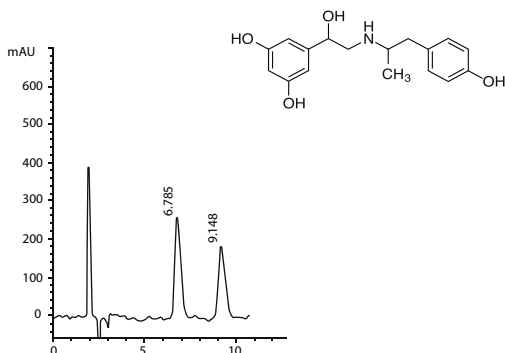
α : 1.26

Catalog #: 1-780101-300



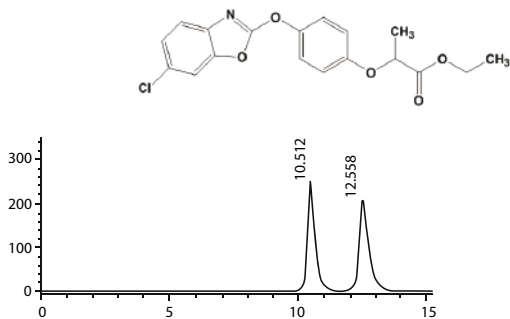
Fenoterol

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.57
 α : 1.48
CAS #: 13392-18-2
Catalog #: 1-783104-300



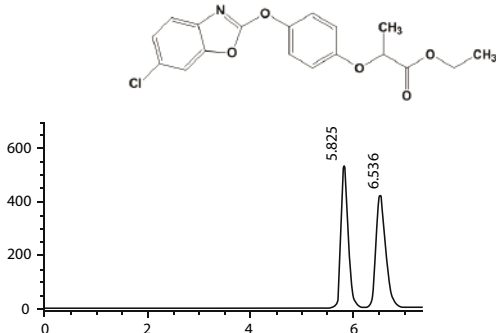
Fenoxaprop-ethyl

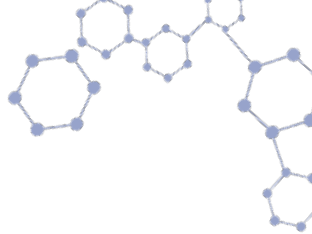
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 4.45
 α : 1.24
CAS #: 66441-23-4
Catalog #: 1-780101-300,
1-780201-300



Fenoxaprop-ethyl

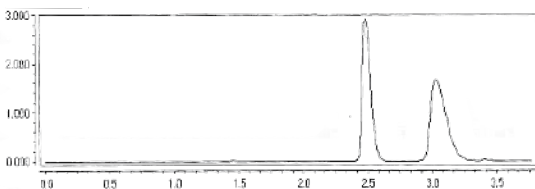
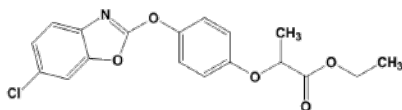
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.07
 α : 1.18
CAS #: 66441-23-4
Catalog #: 1-783104-300





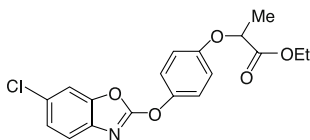
Fenoxaprop-ethyl

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (75/25)
CO₂/CH₃OH
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 126 bar
Detection: UV 254 nm
k'₁: 2.31
 α ₁: 1.32
Catalog #: 1-783104-300



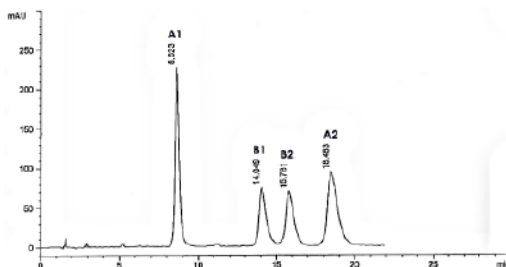
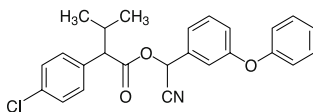
Fenoxaprop-ethyl

Column: (R,R) DACH-DNB,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Temperature: 20°C
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 18.0 min
k'₁: 4.70
 α : 1.15
Reference: 59
Catalog #: 1-788101-300



Fenvalerate

Column: (R,R) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (92/8)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k'_{A1}: 4.94
 α _{A1, A2}: 4.10
k'_{B1}: 8.69
 α _{B1, B2}: 1.14
Catalog #: 1-780201-300



Fenvalerate

Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (99/1)

Hexane/IPA

Flow Rate: 3.0 mL/min

Detection: UV 254 nm

k'_{A1}: 9.36

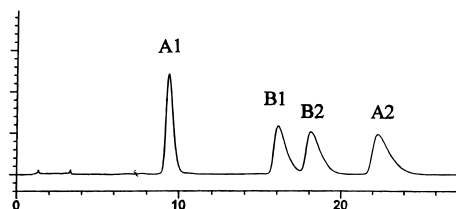
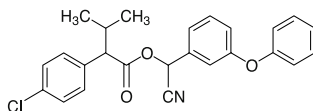
α (A1,A2): 2.54

k'_{B1}: 16.79

α (B1,B2): 1.14

Reference: 46

Catalog #: 1-786615-300



Fipronil

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/IPA + 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

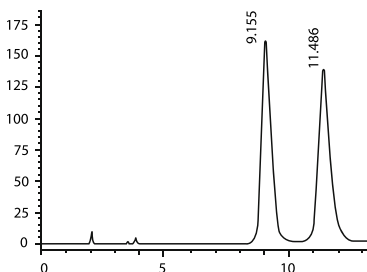
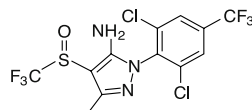
k'₁: 3.74

α : 1.32

CAS #: 1200068-37-3

Catalog #: 1-780101-300;

1-780201-300



Flavanone

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/1)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

Run Time: 25 min

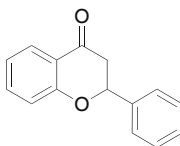
k'₁: 7.08

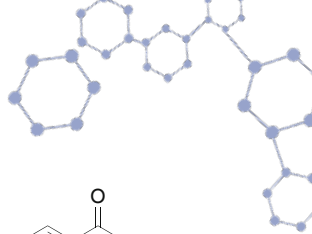
α : 1.04

Reference: 26

Catalog #: 1-780101-300,

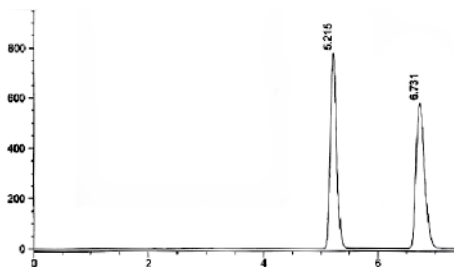
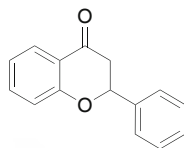
1-780201-300





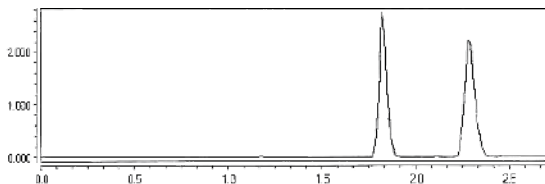
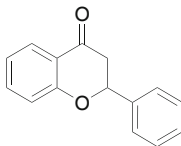
Flavanone

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Pressure: 125 bar
Detection: UV 254 nm
k': 1.74
 α : 1.46
Catalog #: 1-783104-300



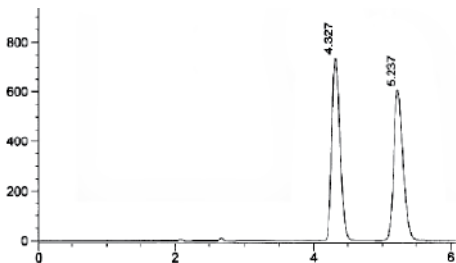
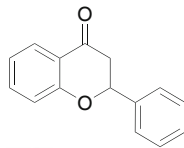
Flavanone

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 254 nm
k': 1.43
 α : 1.43
Catalog #: 1-783104-300



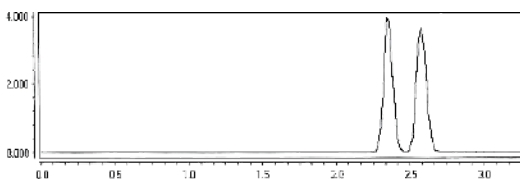
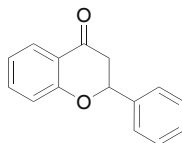
Flavanone

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.28
 α : 1.37
Catalog #: 1-784104-300



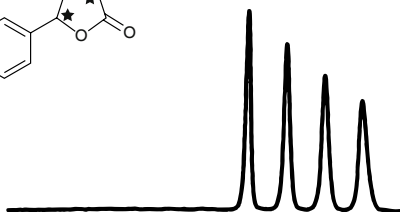
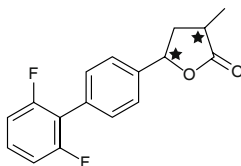
Flavanone

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 254 nm
k': 2.13
 α : 1.14
Catalog #: 1-784104-300



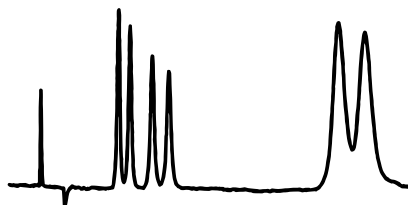
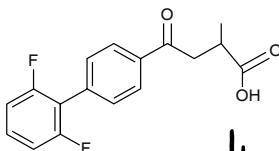
Flobufen and Flobufen Metabolites

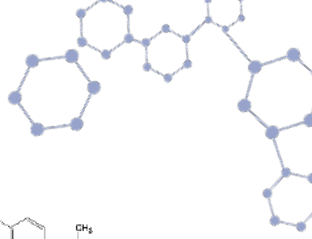
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Heptane/IPA + 0.1% TFA
Flow Rate: 2.0 mL/min
Detection: UV 230 nm
Run Time: 24.0 min
Reference: 47
Catalog #: 1-787100-300



Flobufen Metabolites

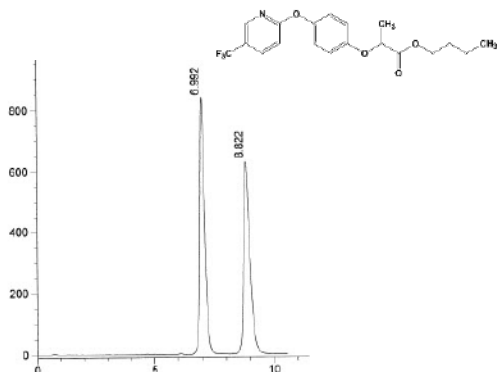
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (97/3)
Heptane/Glyme + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 215 nm
Run Time: 21.0 min
Reference: 47
Catalog #: 1-787100-300





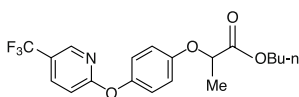
Fluazifop-butyl

Column: Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 3.82
 α : 1.33
Catalog #: 1-780101-300,
1-780201-300



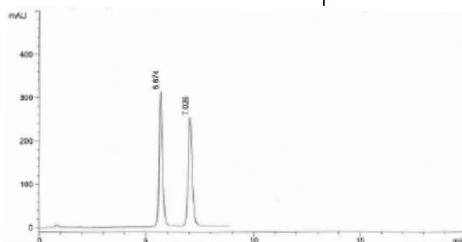
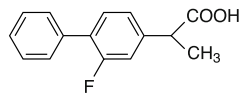
Fluazifop-butyl

Column: (S,S)-DACH-DNB,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Temperature: 20° C
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 11.5 min
k': 2.65
 α : 1.22
Reference: 59
Catalog #: 1-788101-300, 1-788201-300



Flurbiprofen

Column: (S,S) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.94
 α : 1.36
Catalog #: 1-780101-300



Flurbiprofen

Column: (R,R) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA + 0.01 M

Ammonium Acetate

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

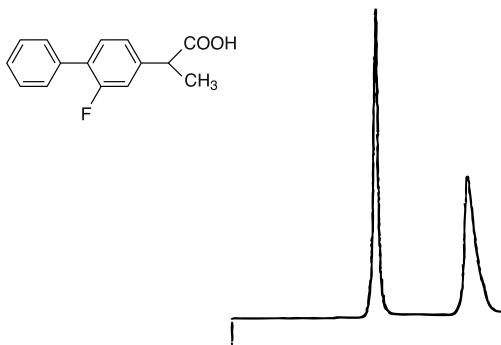
Run Time: 20.5 min

k': 5.90

α : 1.76

Reference: 46

Catalog #: 1-780201-300



Flurbiprofen

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO₂/Ethanol + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

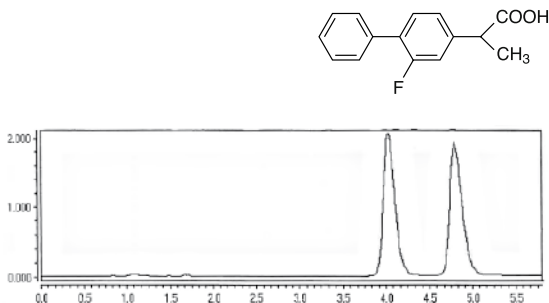
Pressure: 125 bar

Detection: UV 254 nm

k': 4.36

α : 1.23

Catalog #: 1-780101-300



Flurbiprofen

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

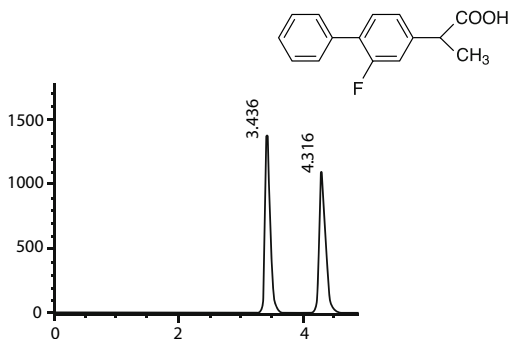
Detection: UV 254 nm

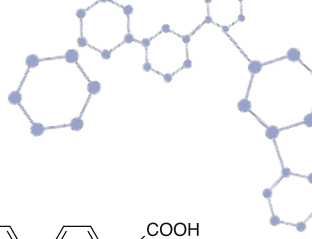
k': 0.81

α : 1.57

CAS #: 5104-49-4

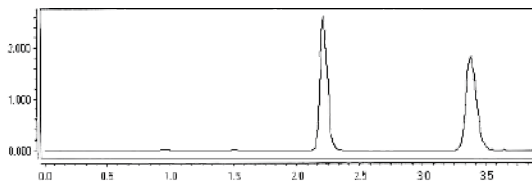
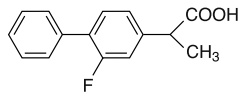
Catalog #: 1-783104-300





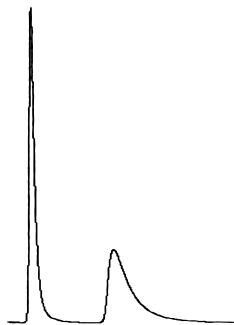
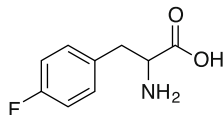
Flurbiprofen

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% TFA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.96
 α : 1.80
Catalog #: 1-783104-300



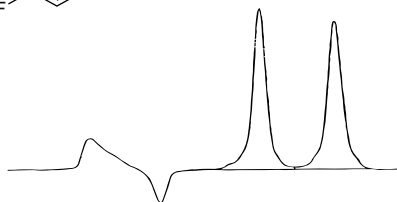
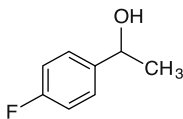
4-Fluorophenylalanine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (70/30)
 $\text{CH}_3\text{OH}/\text{H}_2\text{O}$ + 10
mM Acetic acid
Flow Rate: 1.5 mL/min
Detection: UV 210 nm
Run Time: 9.6 min
k': 2.92
 α : 2.56
Catalog #: 1-799001-300,
1-799101-300



1-(p-Fluorophenyl) Ethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10.5 min
k': 2.13
 α : 1.16
Reference: 60
Catalog #: 1-788201-300



Fluridil

Column: (S,S) Whelk-O 2,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (57/43)

H₂O/CH₃OH

Flow Rate: 1.5 mL/min

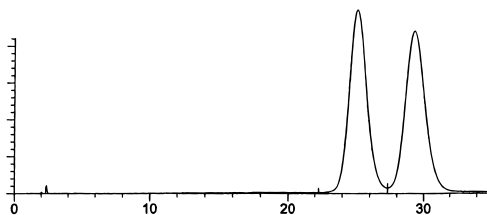
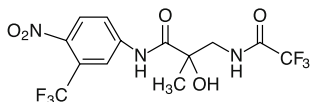
Detection: UV 254 nm

k': 12.9

α : 1.18

Reference: 46

Catalog #: 1-786446-300



Fluvastatin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (92/8)

Hexane/Ethanol + 0.1% TFA

Flow Rate: 1.5 mL/min

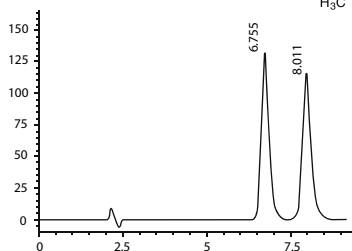
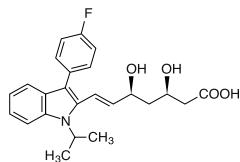
Detection: UV 254 nm

k': 2.56

α : 1.26

CAS #: 93957-54-1

Catalog #: 1-783104-300



Formoterol

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/IPA

+ 0.1% TFA + 0.1% DEA

Flow Rate: 2.0 mL/min

Detection: UV 254 nm

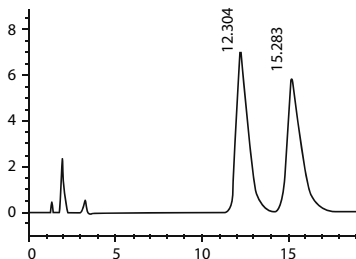
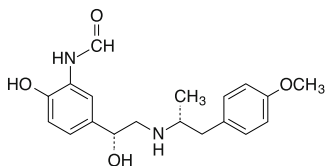
k': 5.38

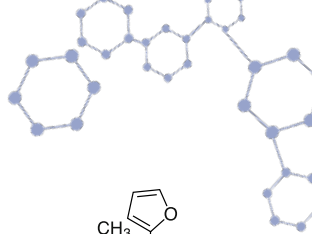
α : 1.29

CAS #: 73573-87-2

Catalog #: 1-780101-300,

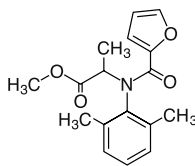
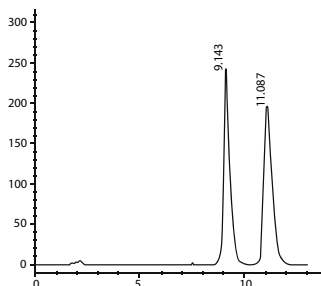
1-780201-300





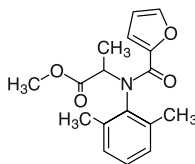
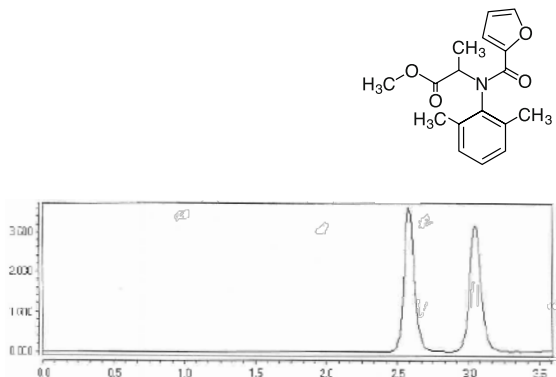
Furalaxyl

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 3.81
 α : 1.27
CAS #: 57646-30-7
Catalog #: 1-780101-300,
1-780201-300



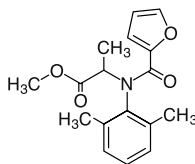
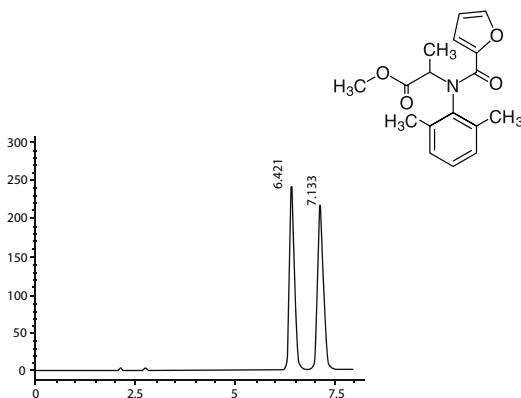
Furalaxyl

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 CO_2 /IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.44
 α : 1.25
Catalog #: 1-780101-300



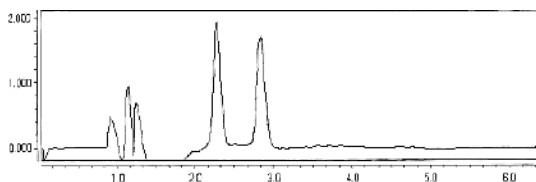
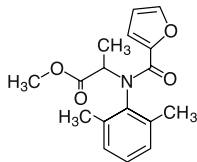
Furalaxyl

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.28
 α : 1.21
CAS #: 57646-30-7
Catalog #: 1-783104-300



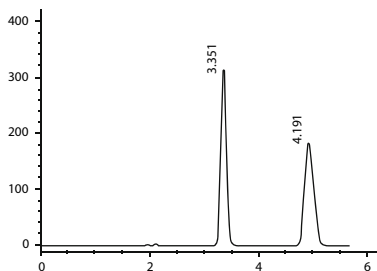
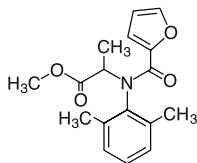
Furalaxyl

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 $\text{CO}_2/\text{IPA} + 0.5\% \text{ DEA}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.04
 α : 1.36
Catalog #: 1-783104-300



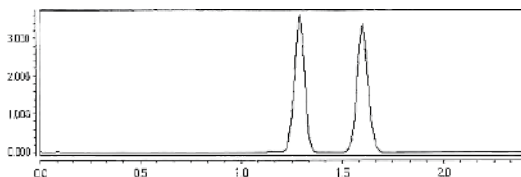
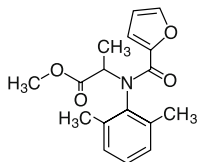
Furalaxyl

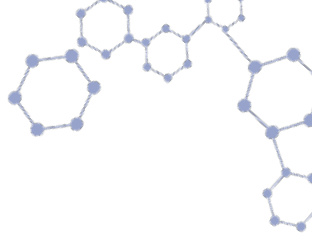
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 0.76
 α : 2.09
CAS #: 57646-30-7
Catalog #: 1-784104-300



Furalaxyl

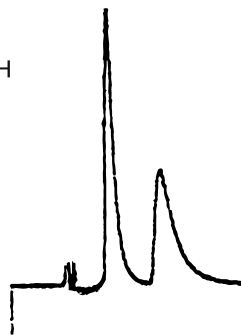
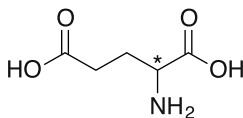
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{Ethanol}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 0.72
 α : 1.58
Catalog #: 1-784104-300





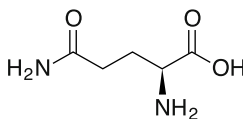
Glutamic Acid

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (65/35)
CH₃OH/H₂O
+0.05% Phosphoric acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 4.5 min
k': 0.71
 α : 2.27
Catalog #: 1-799001300,
1-799101-300



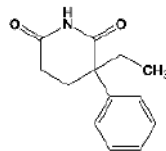
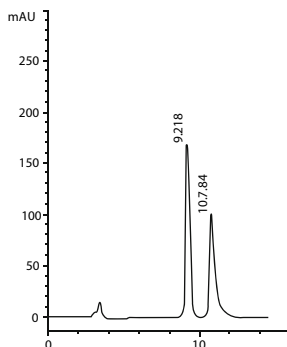
Glutamine

Column: ChiroSil SCA(-),
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
CH₃CN/H₂O
+0.01% Acetic acid
Flow Rate: 1.5 mL/min
Detection: UV 210 nm
Run Time: 6.5 min
k': 1.51
 α : 1.61
Reference: 46
Catalog #: 1-799101-300



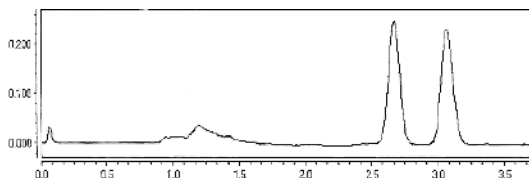
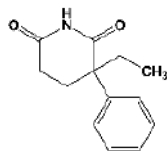
Glutethimide

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 220nm
k': 2.18
 α : 1.24
CAS #: 77-21-4
Catalog #: 1-784104-300



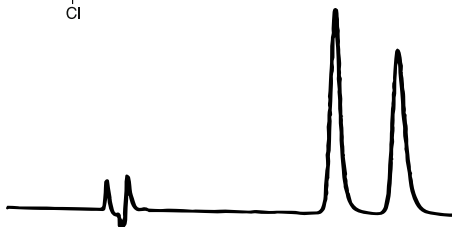
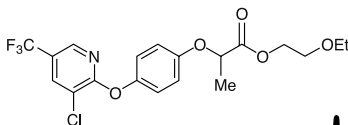
Glutethimide

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
CO₂/Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.57
 α : 1.20
Catalog #: 1-784104-300



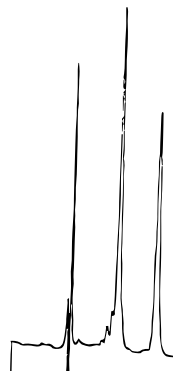
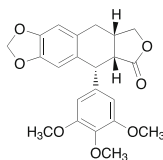
Haloxypop-ethoxyethyl

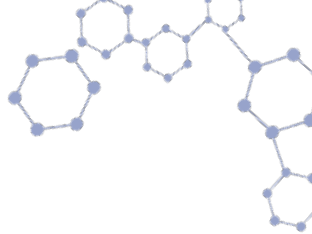
Column: (S,S) DACH-DNB,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Temperature: 20°C
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 13.0 min
k': 3.13
 α : 1.25
Reference: 59
Catalog #: 1-788201-300



Hanessian's Lignan

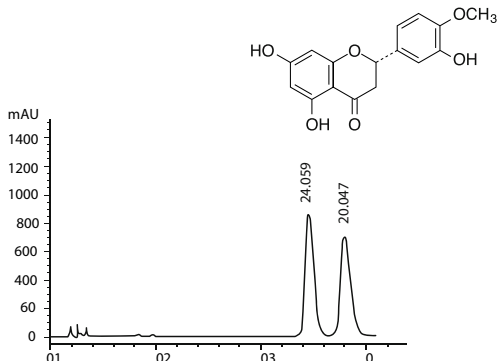
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: Methanol
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 8 min
k': 0.94
 α : 1.69
Reference: 7
Catalog #: 1-780101-300,
1-780201-300





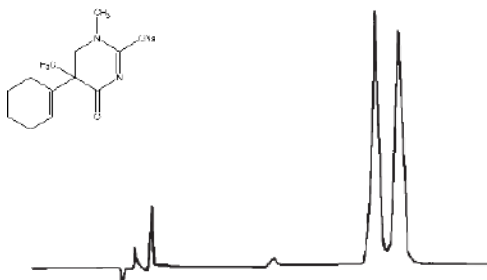
Hesperitin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 11.98
 α : 1.15
CAS #: 520-33-2
Catalog #: 1-783104-300



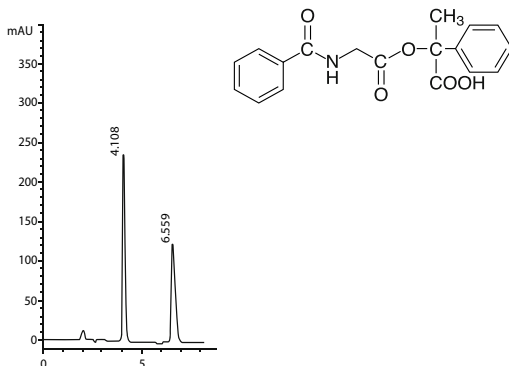
Hexobarbital

Column: L-Leucine,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/EtOH
Flow Rate: 0.7 mL/min
Detection: UV 254 nm
k': 2.89
 α : 1.10
Run Time: 16 min
Catalog #: 1-731041-300



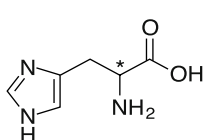
Hippuryl-phenyllactic acid

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.16
 α : 2.11
Catalog #: 1-783104-300



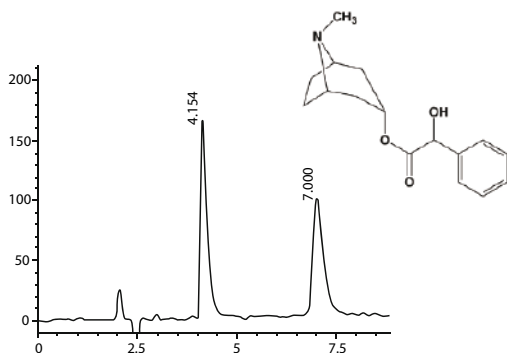
Histidine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (45/55)
CH₃OH/H₂O
+10 mM Acetic acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 26.0 min
k': 10.96
 α : 1.27
Catalog #: 1-799001-300,
1-799101-300



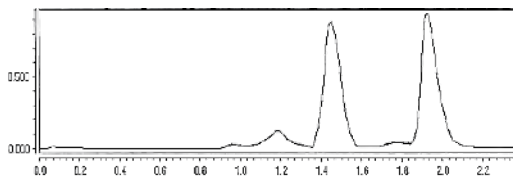
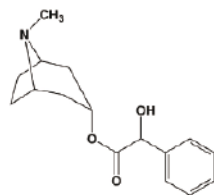
Homatropine

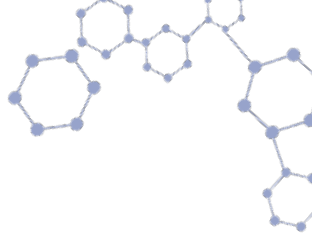
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol
+ 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.19
 α : 2.26
CAS #: 87-00-3
Catalog #: 1-784104-300



Homatropine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
CO₂/CH₃OH + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 0.93
 α : 1.67
Catalog #: 1-784104-300





Homocysteine-Thiolactone HCl

Column: ChiroSil RCA (+),

5 μm , 15 cm x 4.6 mm

Mobile Phase: (60/40)

$\text{CH}_2\text{OH}/\text{H}_2\text{O}$ + 0.05% TFA

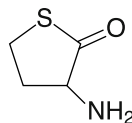
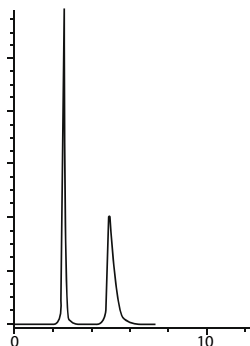
Flow Rate: 1.0 mL/min

Detection: UV 240nm

k': 0.58

α : 3.56

Catalog #: 1-799001-300



DL-Homophenylalanine

Column: ChiroSil ME RCA(+),

5 μm , 15 cm x 4.6 mm

Mobile Phase: (30/70) 0.01%

Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

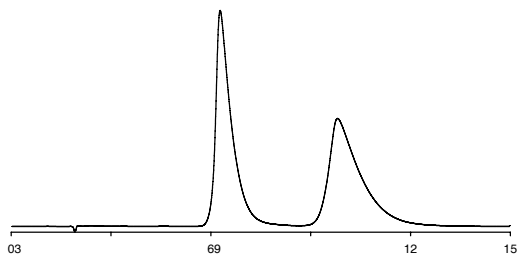
Detection: UV 210 nm

Temperature: 20°C

k': 2.27

α : 1.81

Catalog #: 1-788001-300



DL-Homo-Serine

Column: ChiroSil ME RCA(+),

5 μm , 15 cm x 4.6 mm

Mobile Phase: (30/70) 0.01%

Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

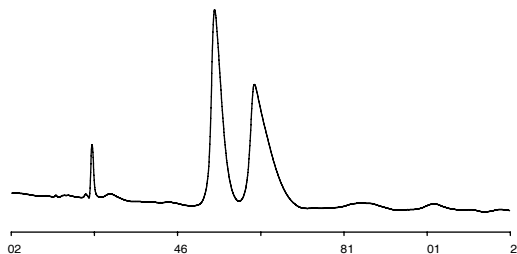
Detection: UV 210 nm

Temperature: 20°C

k': 1.51

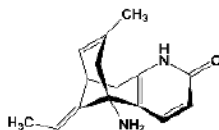
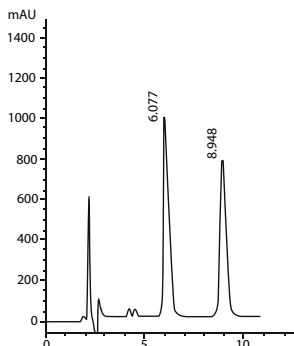
α : 1.32

Catalog #: 1-788001-300



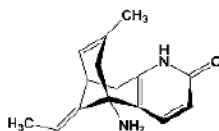
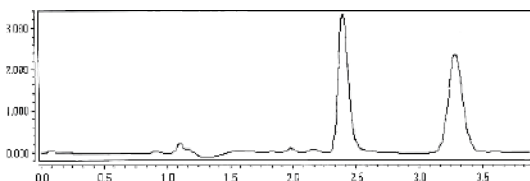
Huperzine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.22
 α : 1.69
CAS #: 102518-79-6
Catalog #: 1-783104-300



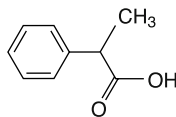
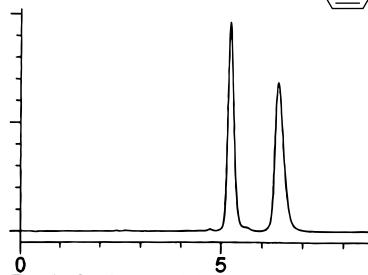
Huperzine

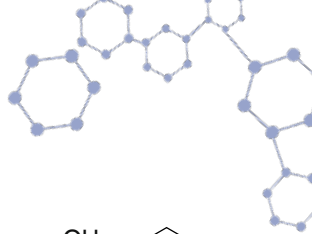
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.20
 α : 1.54
Catalog #: 1-783104-300



Hydratropic Acid

Column: (R,R) Whelk-O 1,
10 μ m, 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA
+ 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.89
 α : 1.34
Reference: 46
Catalog #: 1-786515-300





Hydrobenzoin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/IPA

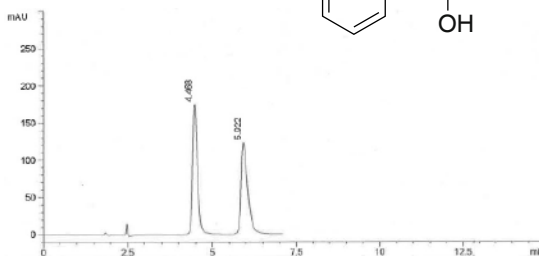
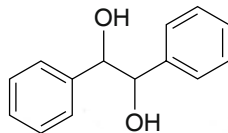
Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 1.32

α : 1.57

Catalog #: 1-780101-300



Hydrobenzoin

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

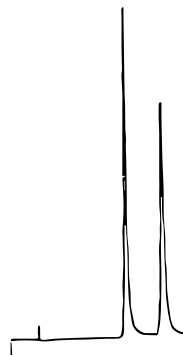
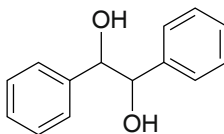
Run Time: 18 min

k': 1.14

α : 1.40

Reference: 18

Catalog #: 1-780101-300,
1-780201-300



Hydrobenzoin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

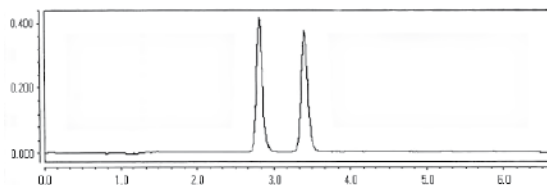
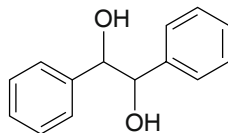
Pressure: 125 bar

Detection: UV 254 nm

k': 2.75

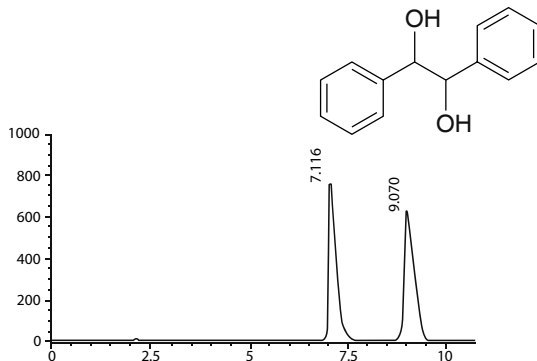
α : 1.28

Catalog #: 1-780101-300



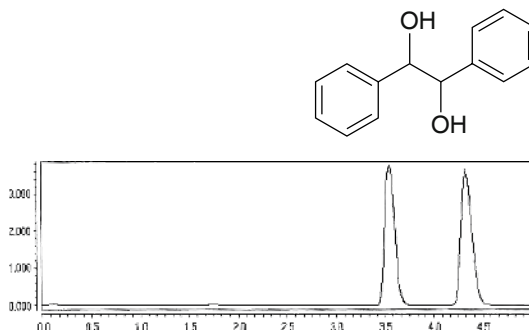
Hydrobenzoin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.75
 α : 1.37
CAS #: 27134-24-3
Catalog #: 1-783104-300



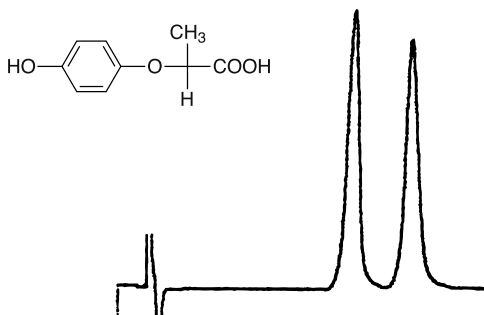
Hydrobenzoin

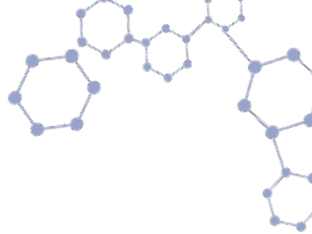
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 CO_2 /Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.72
 α : 1.28
Catalog #: 1-783104-300



2-(4-Hydroxy-Phenoxy) Propionic Acid

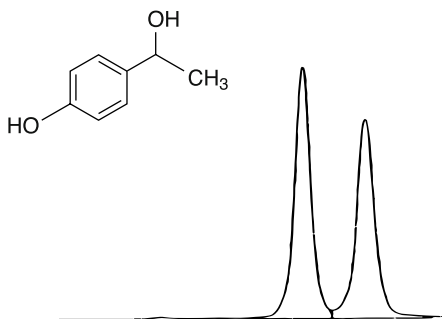
Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (97/3)
Hexane/Ethanol
+ 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 22.5 min
k': 9.02
 α : 1.27
Reference: 46
Catalog #: 1-787200-300





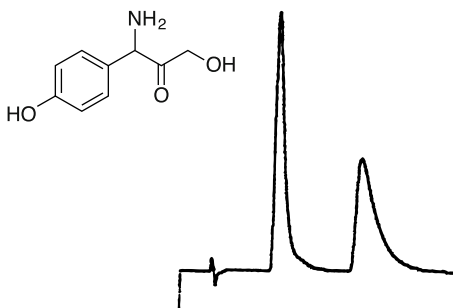
1-(4-Hydroxyphenyl) Ethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
n-Heptane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 8.5 min
k': 1.491
 α : 1.16
Reference: 60
Catalog #: 1-787100-300



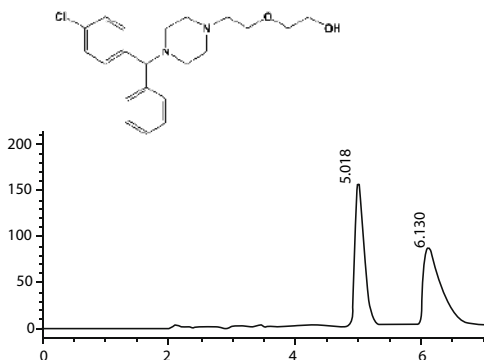
D,L-p-Hydroxy-Phenylglycine

Column: ChiroSil SCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (50/50) $\text{CH}_3\text{ON}/$
 H_2O + 0.02% Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 11.0 min
k': 2.11
 α : 2.29
Reference: 46
Catalog #: 1-799101-300



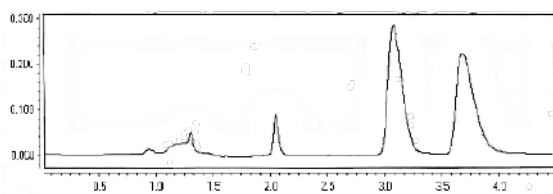
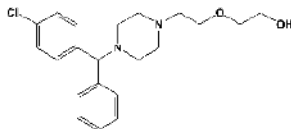
Hydroxyzine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.64
 α : 1.36
CAS #: 68-88-2
Catalog #: 1-783104-300



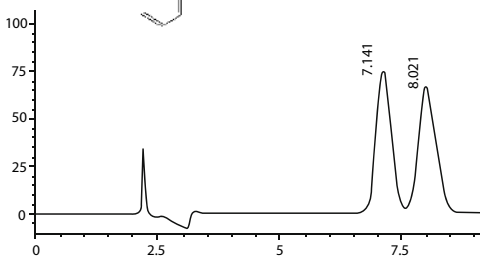
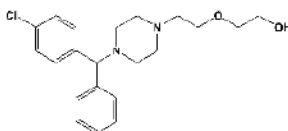
Hydroxyzine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
CO₂/CH₃OH + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 3.11
 α : 1.26
Catalog #: 1-783104-300



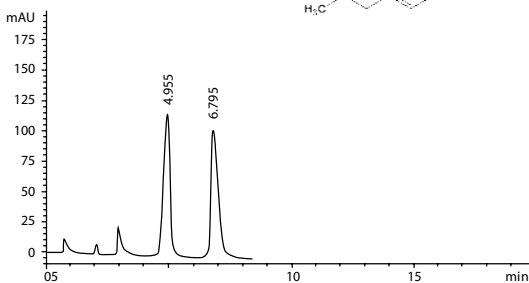
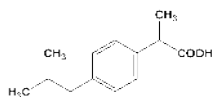
Hydroxyzine

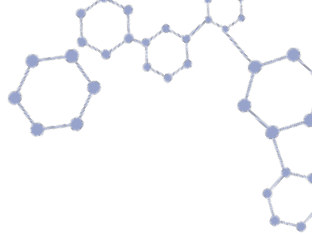
Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/Ethanol+ 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.76
 α : 1.17
CAS #: 68-88-2
Catalog #: 1-784104-300



Ibuprofen

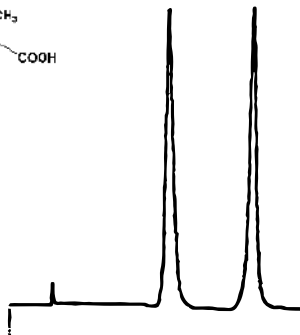
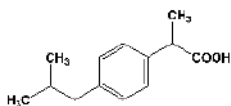
Column: (S,S) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1 % DEA
+ 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.57
 α : 2.52
Catalog #: 1-780101-300





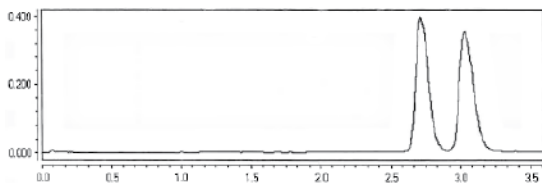
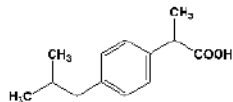
Ibuprofen

Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
+ 0.01 M Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 11.8 min
k': 3.21
 α : 1.72
Reference: 46
Catalog #: 1-780201-300



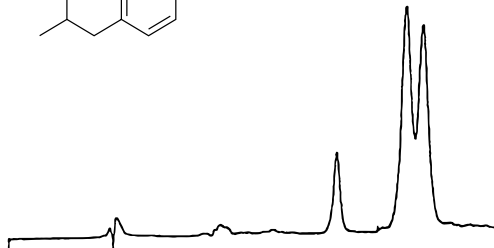
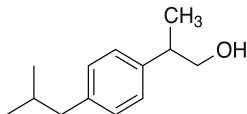
Ibuprofen

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
CO₂/Ethanol
+ 0.5% Acetic Acid
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.62
 α : 1.16
Catalog #: 1-780101-300



Ibuprofenol

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 14 min
k': 3.38
 α : 1.05
Reference: 26
Catalog #: 1-780101-300,
1-780201-300



Idazoxan

Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (70/29/1)
Hexane/Methylene
Chloride/IPA + 0.1% TEA

Flow Rate: 2.0 mL/min

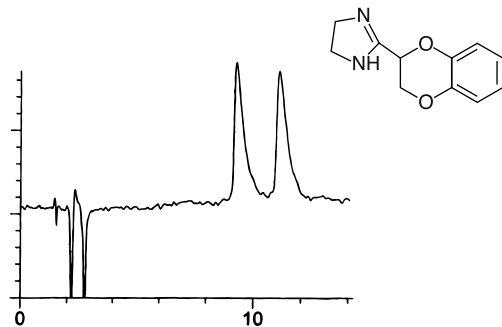
Detection: UV 254 nm

k': 5.86

α : 1.23

Reference: 46

Catalog #: 1-786615-300



Idazoxan

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2)
Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 4.78

α : 1.09

CAS #: 79944-58-4

Catalog #: 1-783104-300



Idazoxan

Column: RegisCell,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA + 0.1% DEA

Flow Rate: 1.5 mL/min

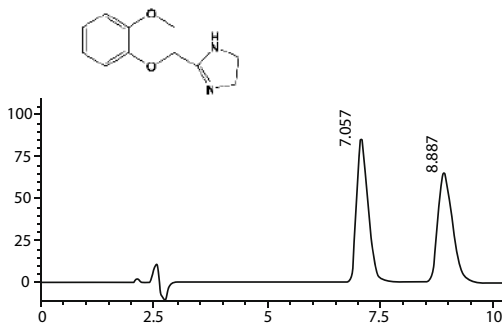
Detection: UV 254 nm

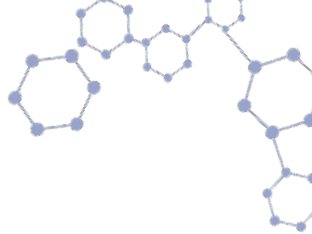
k': 2.71

α : 1.35

CAS #: 79944-58-4

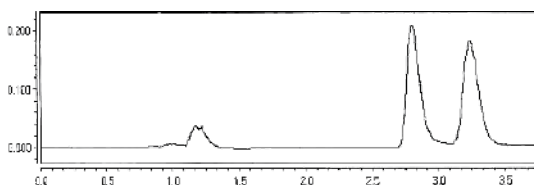
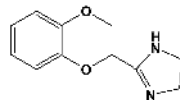
Catalog #: 1-784104-300





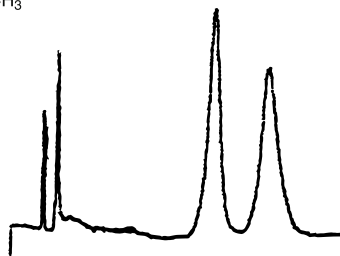
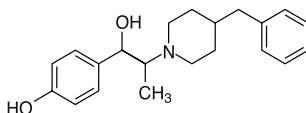
Idazoxan

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 CO_2/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.73
 α : 1.21
Catalog #: 1-784104-300



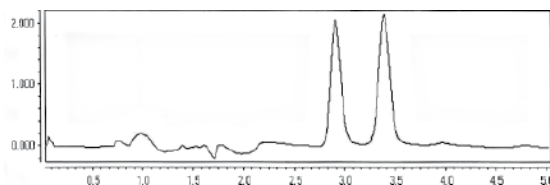
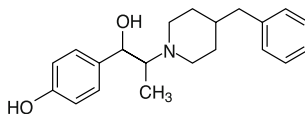
Ifenprodil

Column: (S,S) Whelk-O 1,
10 μm , 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': 6.16
 α : 1.32
Reference: 46
Catalog #: 1-780101-300



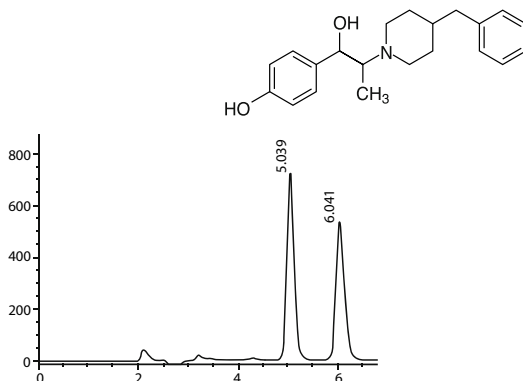
Ifenprodil

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 $\text{CO}_2/\text{Ethanol}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.88
 α : 1.22
Catalog #: 1-780101-300



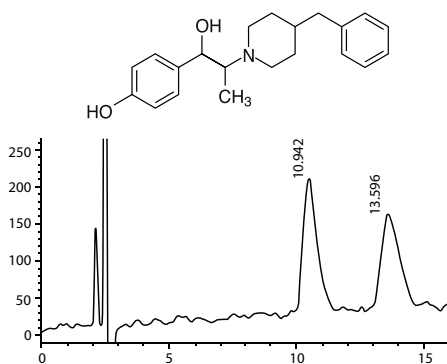
Ifenprodil

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.65
 α : 1.32
CAS #: 23210-56-2
Catalog #: 1-783104-300



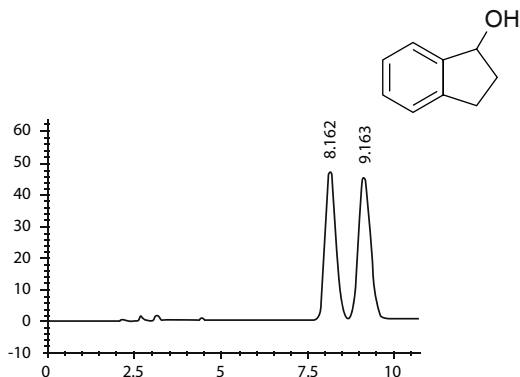
Ifenprodil

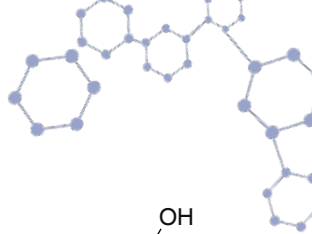
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 4.52
 α : 1.36
CAS #: 23210-56-2
Catalog #: 1-784104-300



1-Indanol

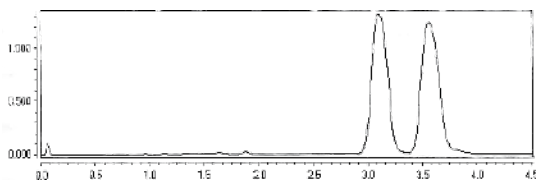
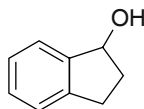
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 3.30
 α : 1.16
CAS #: 6351-10-6
Catalog #: 1-784104-300





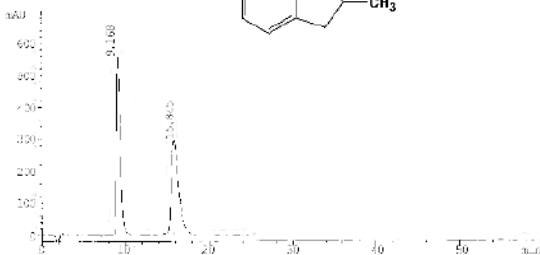
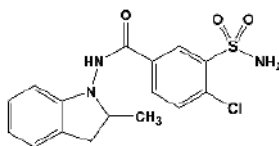
1-Indanol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (96/4)
 CO_2 /IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.14
 α : 1.19
Catalog #: 1-784104-300



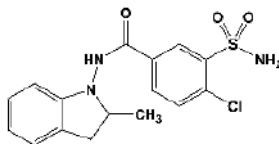
Indapamide

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 3.75
 α : 1.92
Catalog #: 1-780101-300



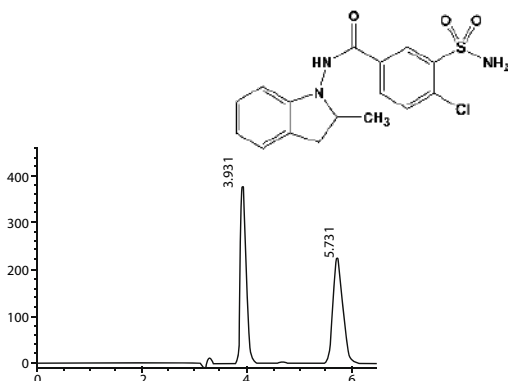
Indapamide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
Run Time: 14 min
Reference: 18
k': 2.46
 α : 1.68
Catalog #: 1-780101-300



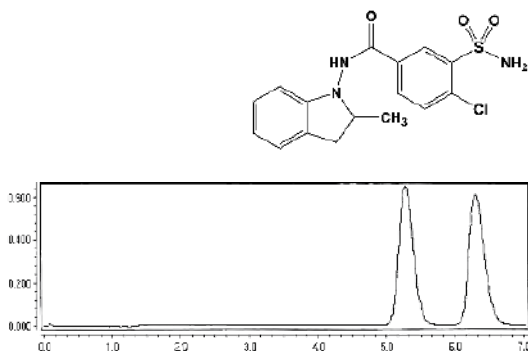
Indapamide

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Methanol
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.36
 α : 2.75
CAS #: 26807-65-8
Catalog #: 1-784104-300



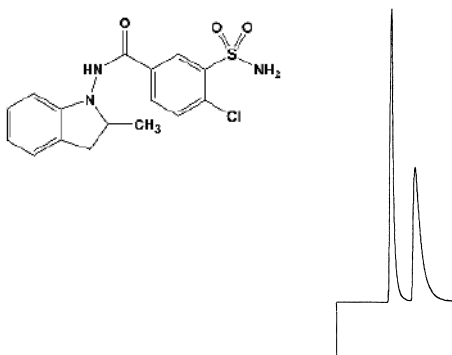
Indapamide

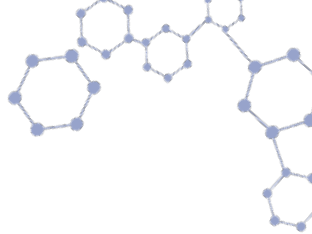
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 6.04
 α : 1.23
Catalog #: 1-784104-300



Indapamide

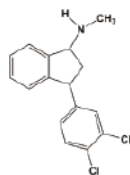
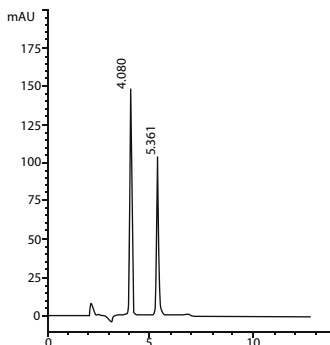
Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 16 min
k': 3.09
 α : 1.58
Reference: 46
Catalog #: 1-787200-300





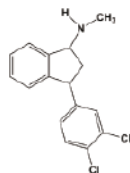
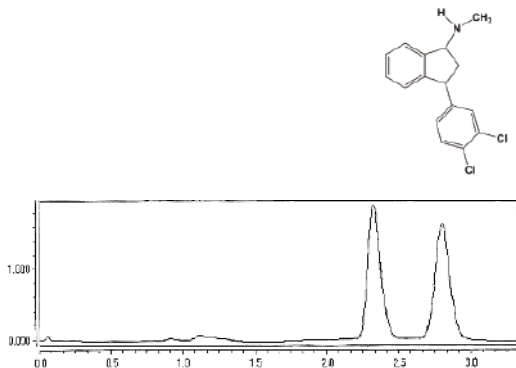
Indatraline

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k'₁: 1.14
 α : 1.29
CAS #: 86939-10-8
Catalog #: 1-783104-300



Indatraline

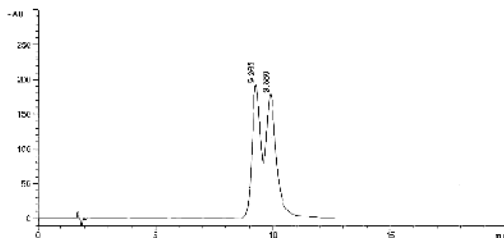
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
CO₂/CH₃OH + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k'₁: 2.11
 α : 1.30
Catalog #: 1-783104-300



Indole

N-[2-(2-furoylamino)benzoyl]tryptophan

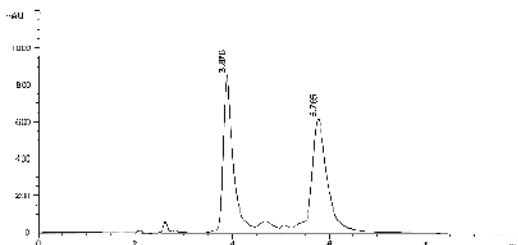
Column: (S,S) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/Ethanol
+ 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 3.87
k'₂: 4.20
 α : 1.09
Catalog #: 1-780101-300



Indole

N-[2-(2-furoylamino)benzoyl]tryptophan

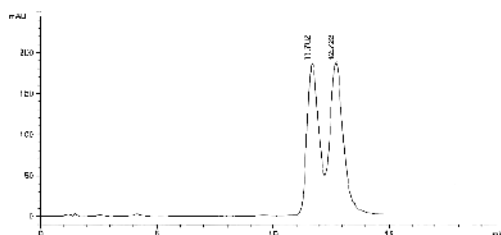
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 4.57
k'₂: 5.85
 α : 1.28
Catalog #: 1-783104-300



Indole

2-[[2-(1*H*-indol-3-yl)ethyl]amino]-4,6'-dimethyl-6-oxo-5,6-dihydro-4*H*-1,2'-bipyrimidine-4-carboxylic acid

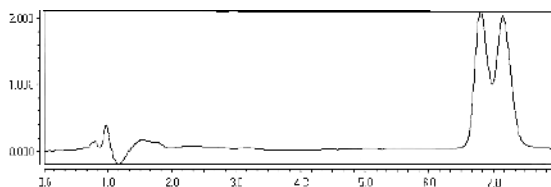
Column: (S,S) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/Ethanol
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k'₁: 7.07
k'₂: 7.77
 α : 1.10
Catalog #: 1-780101-300

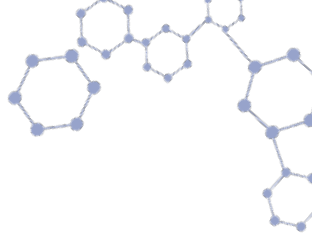


Indole

2-[[2-(1*H*-indol-3-yl)ethyl]amino]-4,6'-dimethyl-6-oxo-5,6-dihydro-4*H*-1,2'-bipyrimidine-4-carboxylic acid

Column: (S,S) Whelk-O 1, 5 μ m, 25 cm x 4.6 mm
Mobile Phase: (60/40)
CO₂/Ethanol + 0.2% TFA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k'₁: 8.09
k'₂: 8.53
 α : 1.05
Catalog #: 1-780101-300

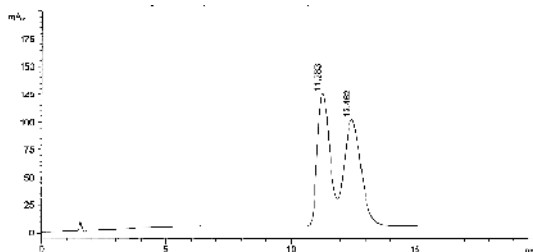




Indole

1-{1-[2-(2-methyl-2,3-dihydro-1H-indol-1-yl)-2-oxoethyl]-1H-indol-3-yl}-2-(4-morpholinyl)-2-oxoethanone

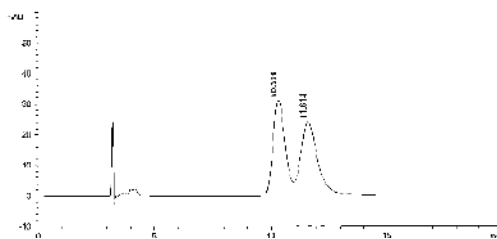
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k'₁: 6.78
k'₂: 7.59
 α : 1.12
Catalog #: 1-783104-300



Indole

1,3-dimethyl-5-({1-[2-(2-methyl-1-piperidinyl)-2-oxoethyl]-1H-indol-3-yl}methylene)-2,4,6(1H,3H,5H)pyrimidinetrione

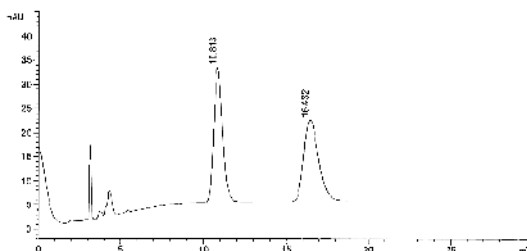
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100% Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k'₁: 2.56
k'₂: 3.00
 α : 1.17
Catalog #: 1-783104-300



Indole

1,3-dimethyl-5-({1-[2-(2-methyl-1-piperidinyl)-2-oxoethyl]-1H-indol-3-yl}methylene)-2,4,6(1H,3H,5H)pyrimidinetrione

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100% Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k'₁: 2.73
k'₂: 4.67
 α : 1.71
Catalog #: 1-784104-300



Indole

N-[2-[(4-methylbenzoyl)amino]benzoyl]tryptophan

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (65/35)

Hexane/IPA + 0.1% TFA

Flow Rate: 2.0 mL/min

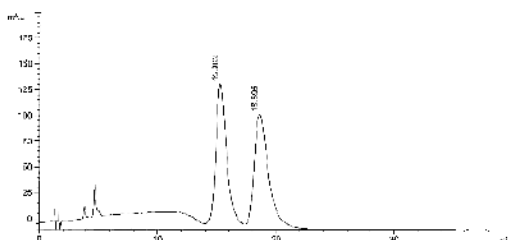
Detection: UV 220 nm

k'₁: 9.52

k'₂: 11.83

α : 1.24

Catalog #: 1-780101-300



Indole

N-[2-[(4-methylbenzoyl)amino]benzoyl]tryptophan

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

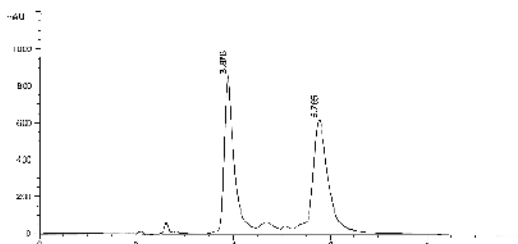
Detection: UV 220 nm

k'₁: 1.04

k'₂: 2.04

α : 1.96

Catalog #: 1-783104-300



Indole

N-[2-[(4-methylbenzoyl)amino]benzoyl]tryptophan

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

CO₂/Ethanol + 0.2% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

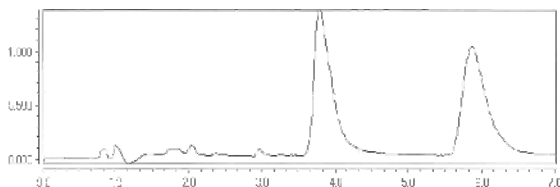
Detection: UV 220 nm

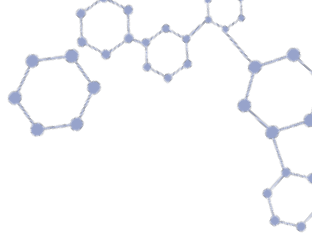
k'₁: 4.04

k'₂: 6.85

α : 1.70

Catalog #: 1-783104-300





Indoprofen

Column: (S,S) Whelk-O 1,
10 μm , 25cm x 4.6mm

Mobile Phase: (80/20)

Hexane/Ethanol +

0.01 M Ammonium Acetate

Flow Rate: 2.0 mL/min

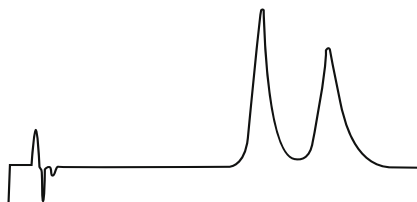
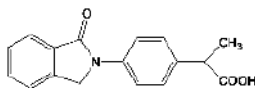
Detection: UV 254 nm

Run Time: 17.0 min

k': 8.93

α : 1.32

Catalog #: 1-786615-300



Indoprofen

Column: RegisCell,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/IPA + 0.1% TGA

Flow Rate: 1.5 mL/min

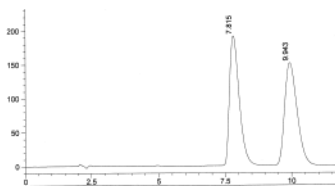
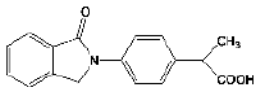
Detection: UV 254 nm

k': 3.11

α : 1.36

CAS #: 31842-01-0

Catalog #: 1-784104-300



Indoprofen

Column: RegisCell,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

CO₂/CH₃OH + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

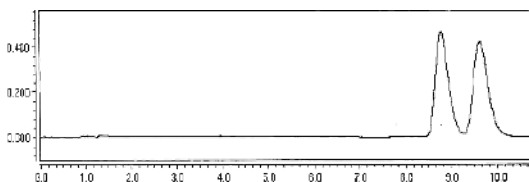
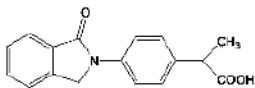
Pressure: 125 bar

Detection: UV 254 nm

k': 10.70

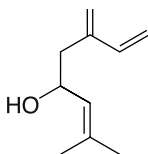
α : 1.11

Catalog #: 1-784104-300



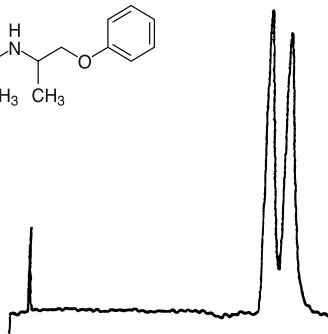
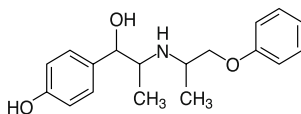
Ipsdienol

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 8 min
k': 0.95
 α : 1.21
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



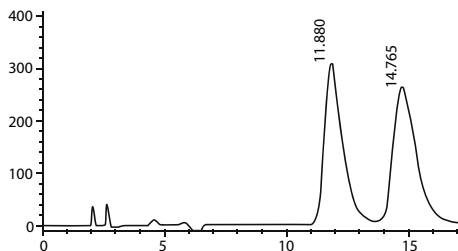
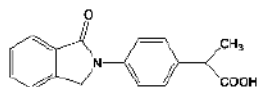
Isoxsuprine

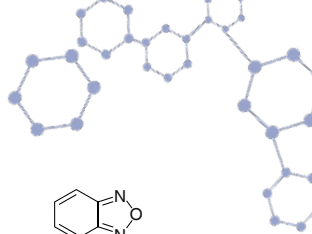
Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.01 M
Ammonium Acetate
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
Run Time: 28.0 min
k': 17.91
 α : 1.08
Reference: 46
Catalog #: 1-780201-300



Isoxsuprine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
+ 0.1% TFA + 0.1% TEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 5.25
 α : 1.29
CAS #: 395-28-8
Catalog #: 1-784104-300





Isradipine

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/IPA + 0.5% TEA

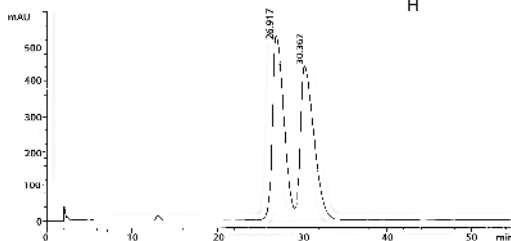
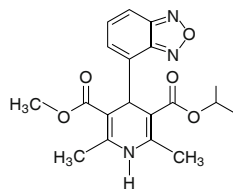
Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 12.95

α : 1.14

Catalog #: 1-780101-300



Isradipine

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2)
Hexane/IPA + 0.5 % TEA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

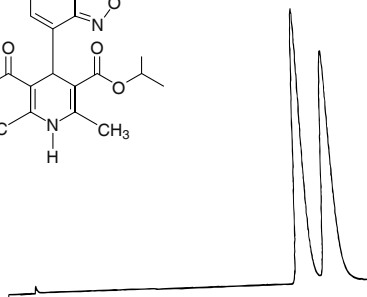
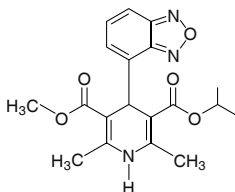
Run Time: 52 min

k': 9.71

α : 1.10

Reference: 18

Catalog #: 1-780101-300



Isradipine

Reversed Phase

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (63/37)
MeOH/H₂O

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

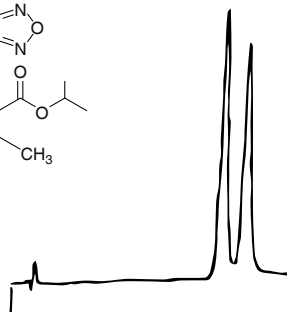
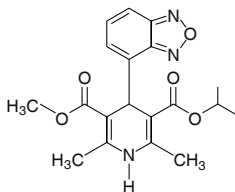
Run Time: 35 min

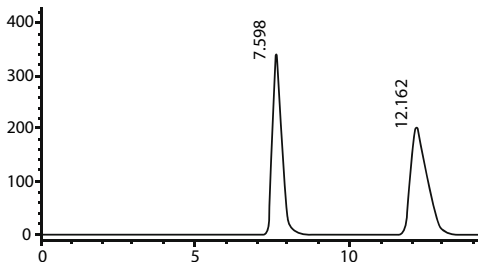
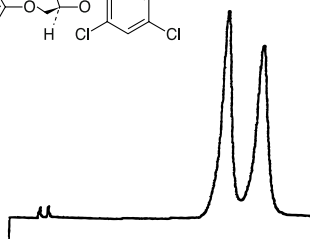
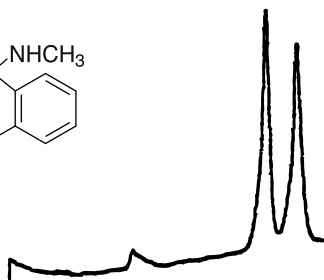
k': 11.21

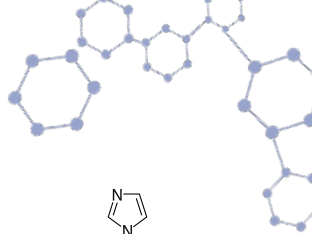
α : 1.12

Reference: 18

Catalog #: 1-780101-300

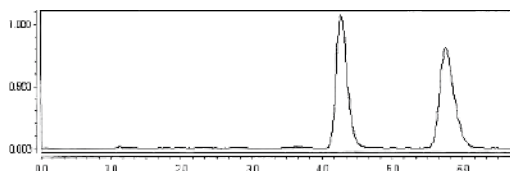
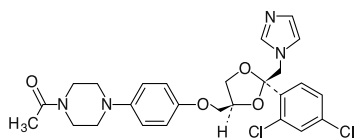






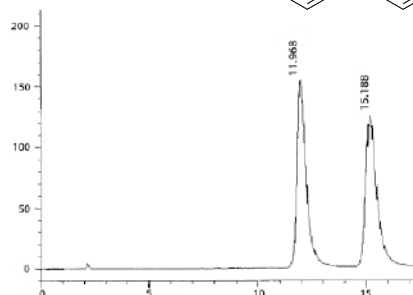
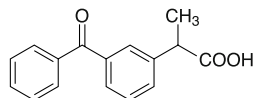
Ketoconazole

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (60/40)
CO₂/Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 4.70
 α : 1.42
Catalog #: 1-783104-300



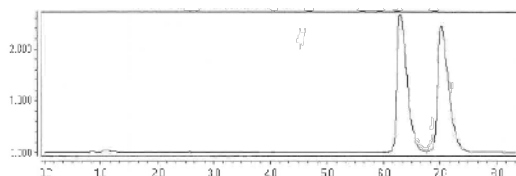
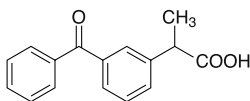
Ketoprofen

Column: Whelk-O 1,
5 μ m, 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
Run Time: 11.0 min
k': 5.20
 α : 1.32
Catalog #: 1-780101-300,
1-780201-300



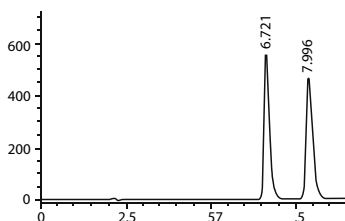
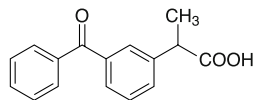
Ketoprofen

Column: (S,S) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
CO₂/Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 7.41
 α : 1.13
Catalog #: 1-780101-300



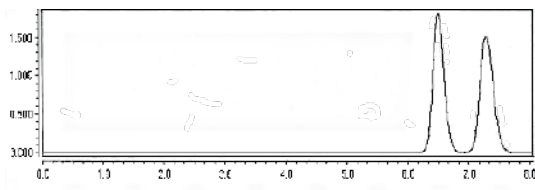
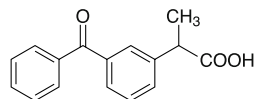
Ketoprofen

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.54
 α : 1.26
CAS #: 22071-15-4
Catalog #: 1-783104-300



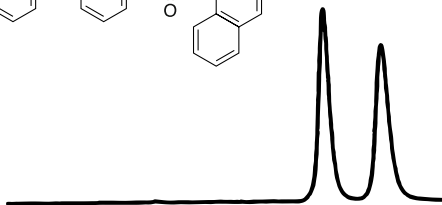
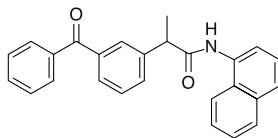
Ketoprofen

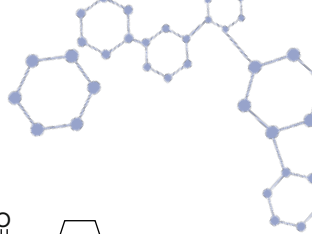
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 CO_2 /Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 7.65
 α : 1.14
Catalog #: 1-783104-300



Ketoprofen as 1-naphthylamide

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Heptane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 230 nm
Run Time: 13 min
k': 1.51
 α : 1.25
Reference: 48
Catalog #: 1-787100-300





Ketorolac

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/Ethanol
+ 0.1% Acetic Acid

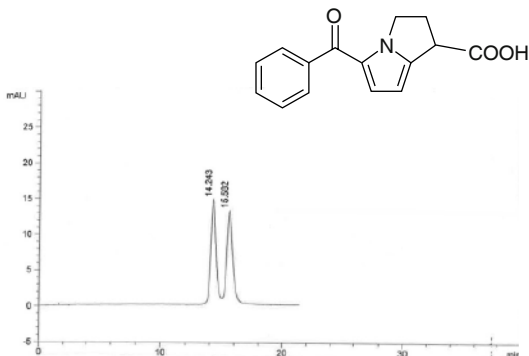
Flow Rate: 2.0 mL/min

Detection: UV 254 nm

k': 8.82

α : 1.11

Catalog #: 1-780101-300



Ketorolac

Column: (R,R) Whelk-O 1,
5 μm , 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

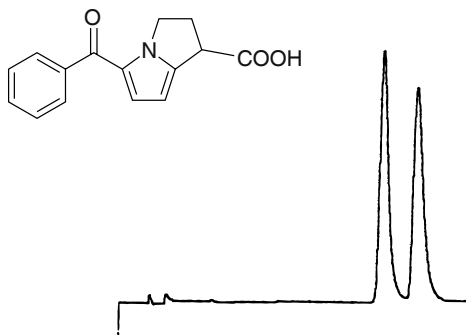
Run Time: 20.0 min

k': 8.87

α : 1.15

Reference: 46

Catalog #: 1-780201-300



Ketorolac

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
CO₂/Ethanol + 0.5% AcAc

Flow Rate: 4.0 mL/min

Temperature: 40°C

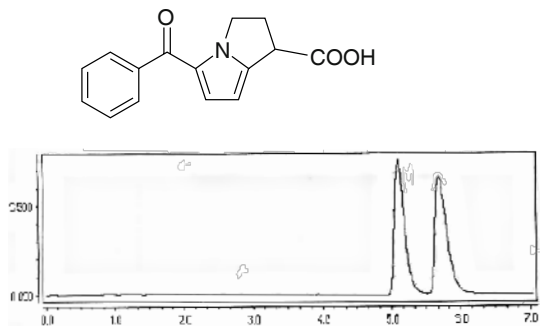
Pressure: 125 bar

Detection: UV 254 nm

k': 5.80

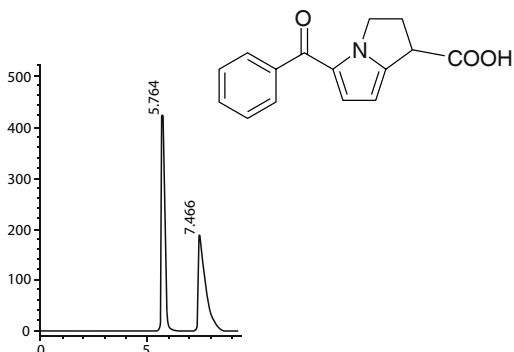
α : 1.13

Catalog #: 1-780101-300



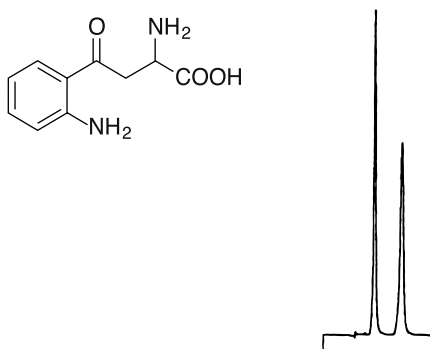
Ketorolac

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (76/12/12)
Hexane/Ethanol/Methanol
+ 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.99
 α : 1.44
CAS #: 74103-06-3
Catalog #: 1-783104-300



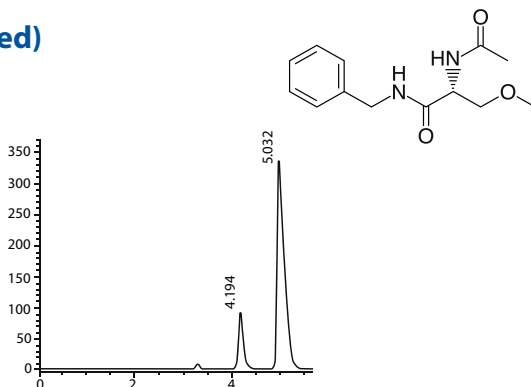
Kynurenine

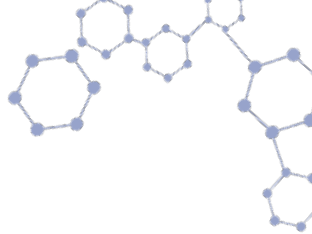
Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
H₂O/CH₃OH
+ 0.1% Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 9.0 min
k': 1.17
 α : 1.99
Reference: 46
Catalog #: 1-786615-300



Lacosamide (Enriched)

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (50/50)
Ethanol/Methanol
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k': 0.45
 α : 1.64
CAS #: 175481-36-4
Catalog #: 1-783104-300





β-Lactam

Column: (S,S) DACH-DNB,
5 μm, 25 cm x 4.6 mm

Mobile Phase: (48/48/2)
Hex/CH₂Cl₂/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

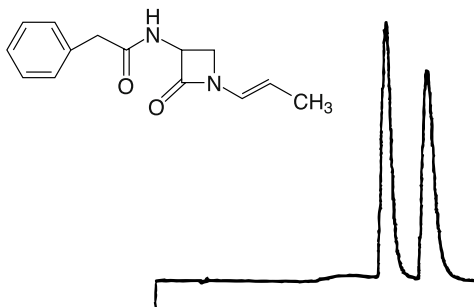
Run Time: 14.0 min

k': 3.40

α: 1.33

Reference: 59

Catalog #: 1-780101-300



Lansoprazole

Column: RegisPack,
5 μm, 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/IPA + 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

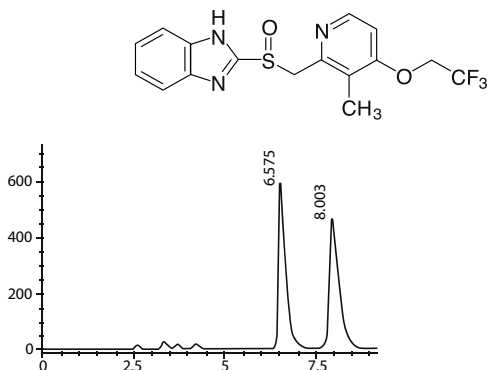
Detection: UV 254 nm

k': 2.46

α: 1.31

CAS #: 103577-45-3

Catalog #: 1-783104-300



Lansoprazole

Column: RegisPack,
5 μm, 25 cm x 4.6 mm

Mobile Phase: (80/20)
CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

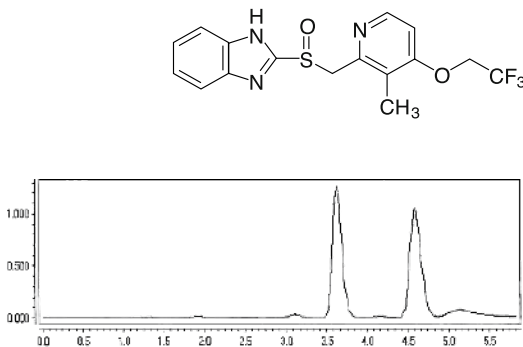
Pressure: 125 bar

Detection: UV 254 nm

k': 3.83

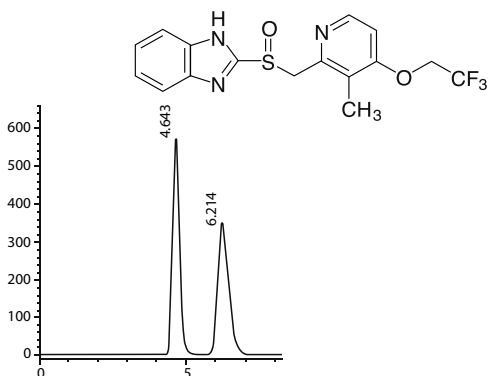
α: 1.34

Catalog #: 1-783104-300



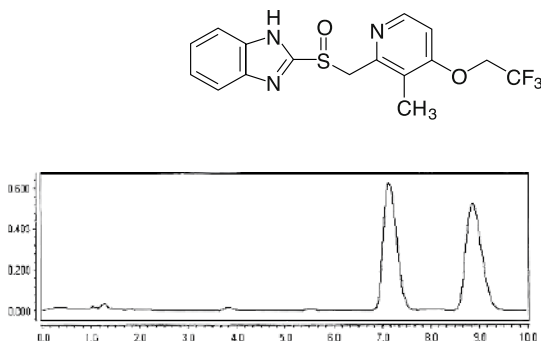
Lansoprazole

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
Hexane/IPA + 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 12.0 min
k': 1.44
 α : 1.57
CAS #: 103577-45-3
Catalog #: 1-784104-300



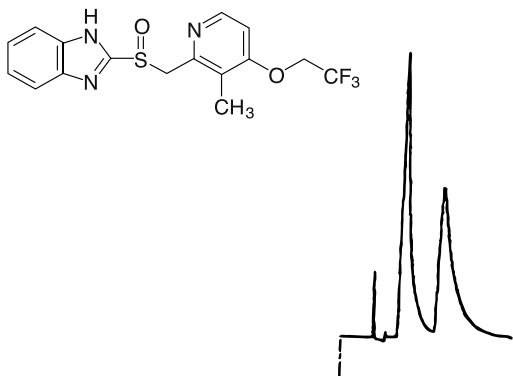
Lansoprazole

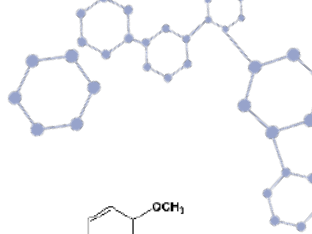
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 CO_2 /Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 8.52
 α : 1.27
Catalog #: 1-784104-300



Lansoprazole

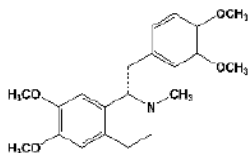
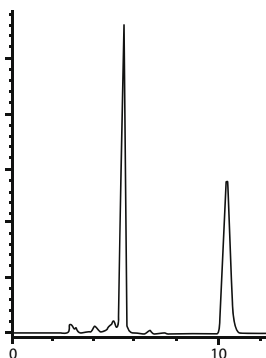
Column: (S) α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (94/3/3)
 CH_2Cl_2 /Ethanol/Methanol
+ 0.2% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 6.0 min
k': 0.88
 α : 2.43
Reference: 46
Catalog #: 1-735037-300





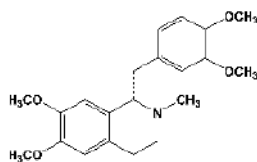
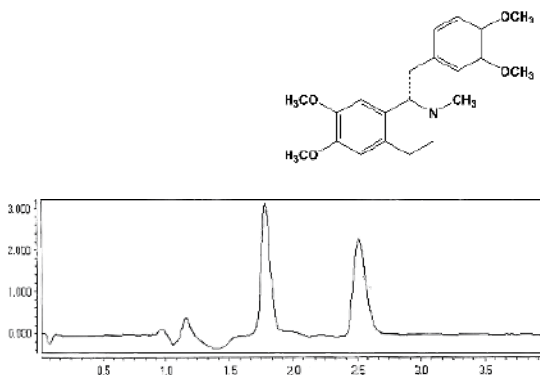
Laudanosine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k'₁: 0.79
 α : 3.10
Catalog #: 1-784104-300



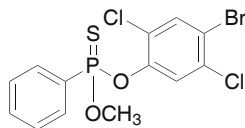
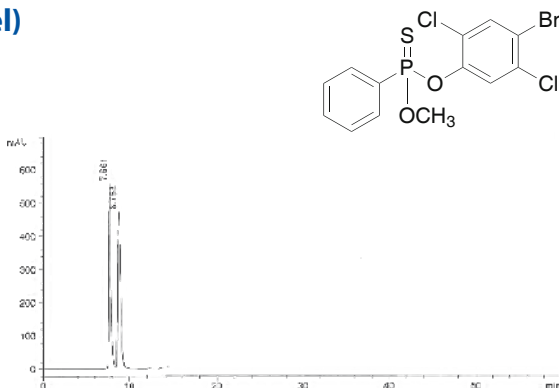
Laudanosine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: CO₂/IPA
+ 0.5% DEA (70/30)
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k'₁: 1.38
 α : 1.71
Catalog #: 1-784104-300



Leptophos (Phosvel)

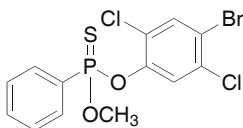
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Hexane
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k'₁: 2.97
 α : 1.19
Catalog #: 1-780101-300



Leptophos, Phosvel

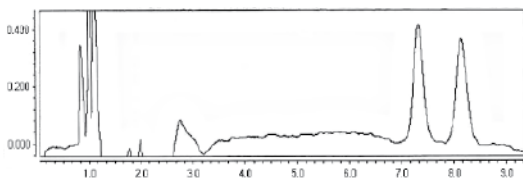
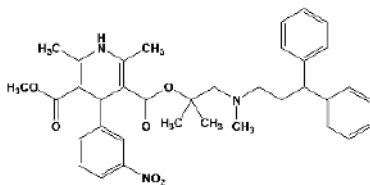
Insecticide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100% Hexane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10 min
k': 4.11
 α : 1.18
Reference: 43
Catalog #: 1-780101-300,
1-780201-300



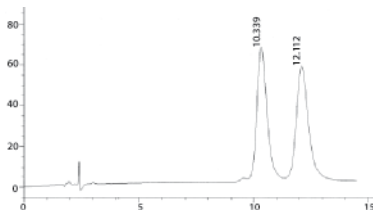
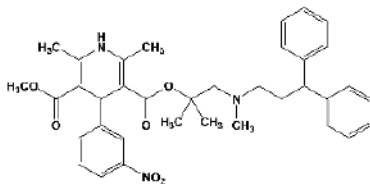
Lercanidipine

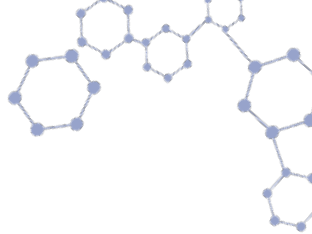
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
CO₂/IPA + .5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 8.77
 α : 1.13
Catalog #: 1-780101-300



Lercanidipine

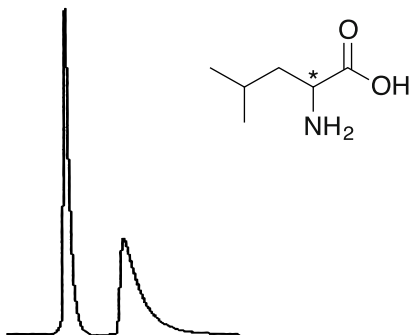
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 4.44
 α : 1.21
CAS #: 100427-26-7
Catalog #: 1-780101-300,
1-780201-300





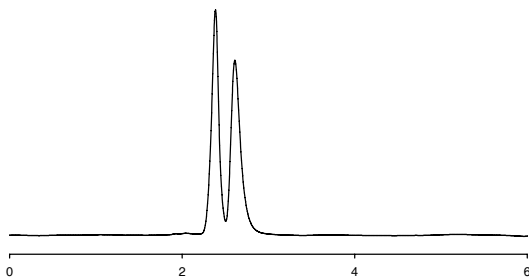
Leucine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (45/55)
CH₃OH/H₂O
+10 mM Acetic acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 5.5 min
k': 1.03
 α : 2.14
Catalog #: 1-799001-300,
1-799101-300



DL-Leucine

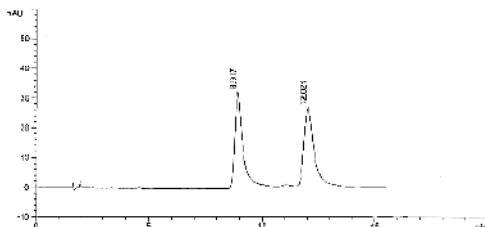
Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (30/70)
10mM Acetic Acid / MeOH
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Temperature: 20°C
k': 0.14
 α : 1.79
Catalog #: 1-788001-300



Leucolines

N-[(8-hydroxy-7-quinoliny)(4-methylphenyl)methyl]-2-methylpropanamide

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 5.15
k': 7.29
 α : 1.42
Catalog #: 1-780101-300



Leucolines

N-[(2-chlorophenyl)(8-hydroxy-7-quinoliny)methyl]-2-methylpropanamide

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

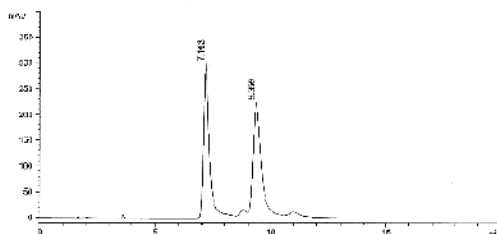
Detection: UV 220 nm

k'₁: 3.94

k'₂: 5.45

α : 1.38

Catalog #: 1-780101-300



Leucolines

N'-(2-hydroxy-5-methoxybenzylidene)-2-(8-quinolinyloxy)propanohydrazide

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (65/35)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

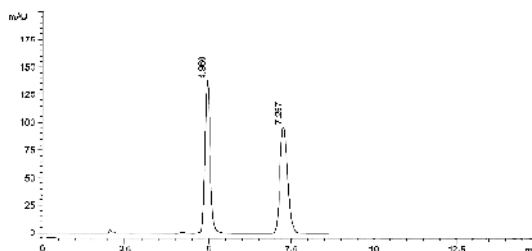
Detection: UV 220 nm

k'₁: 1.61

k'₂: 2.82

α : 1.75

Catalog #: 1-783104-300



Leucolines

N-[(3,4-dimethoxyphenyl)(8-hydroxy-7-quinoliny)methyl]-2-methylpropanamide

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

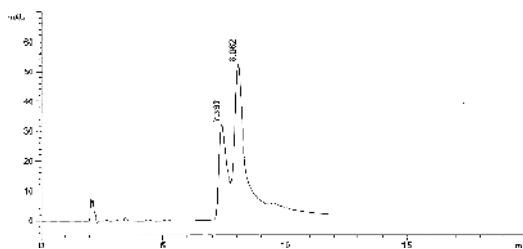
Detection: UV 220 nm

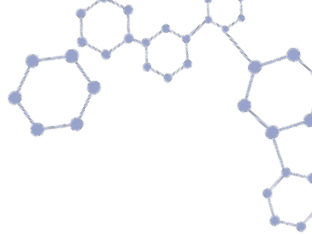
k'₁: 2.89

k'₂: 3.84

α : 1.12

Catalog #: 1-783104-300





Leucolines

N-[(3,4-dimethoxyphenyl)(8-hydroxy-7-quinoliny)methyl]-2-methylpropanamide

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (60/40)

Hexane/Ethanol

Flow Rate: 2.0 mL/min

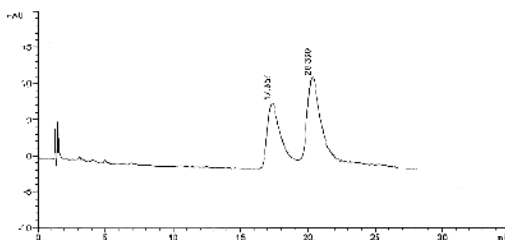
Detection: UV 220 nm

k': 10.97

k': 13.02

α : 1.19

Catalog #: 1-780101-300



Lofexidine

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (97/3)

Hexane/IPA + 0.1% DEA

Flow Rate: 1.5 mL/min

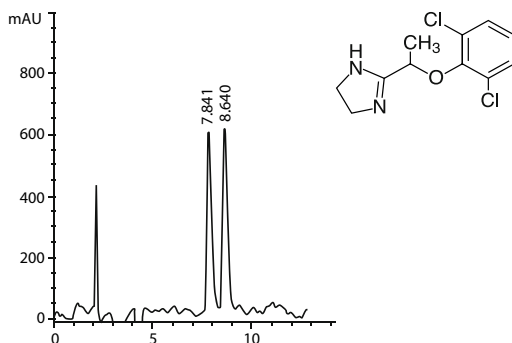
Detection: UV 220 nm

k': 3.13

α : 1.13

CAS #: 31036-80-3

Catalog #: 1-783104-300



Lorazepam

Column: (R,R) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

Hexane/IPA

+ 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

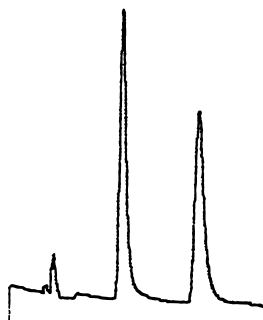
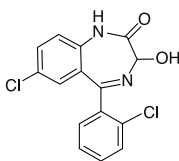
Run Time: 9.0 min

k': 2.08

α : 2.02

Reference: 46

Catalog #: 1-780201-300



Lorglumide

Column: (R,R) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/IPA

+ 0.1% Acetic Acid

Flow Rate: 2.0 mL/min

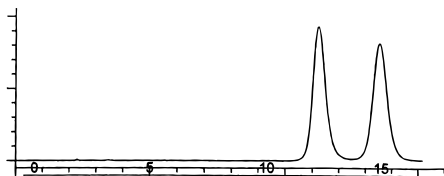
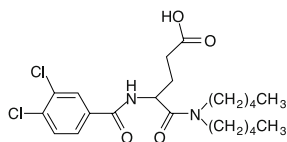
Detection: UV 254 nm

k': 5.22

α : 1.25

Reference: 46

Catalog #: 1-786515-300



Lorglumide

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO₂/IPA + 0.5% Acetic Acid

Flow Rate: 4.0 mL/min

Temperature: 40°C

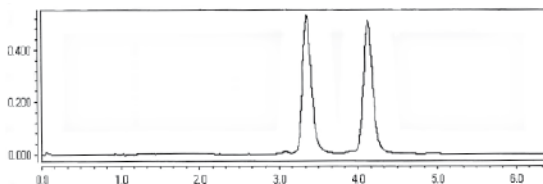
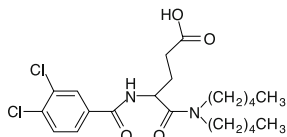
Pressure: 125 bar

Detection: UV 254 nm

k': 3.47

α : 1.30

Catalog #: 1-780101-300



Loxiglumide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA + 0.1% Acetic Acid

Flow Rate: 2.0 mL/min

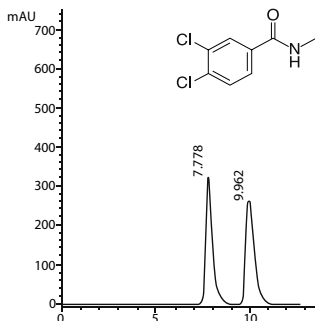
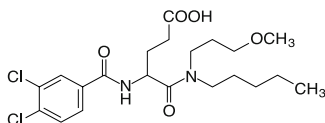
Detection: UV 254 nm

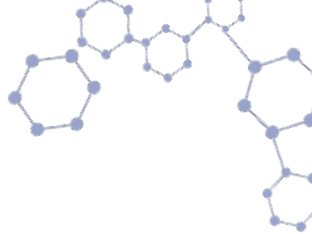
k': 4.56

α : 1.34

CAS #: 107097-80-3

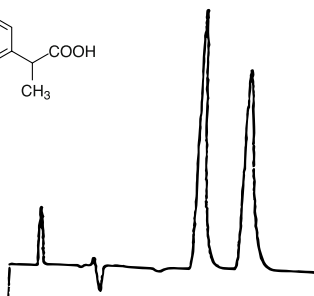
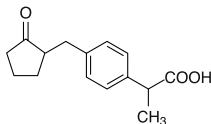
Catalog #: 1-780101-300,
1-780201-300





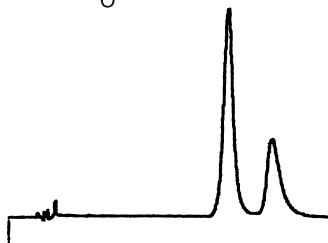
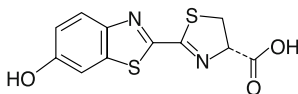
Loxoprofen

Column: (R,R) Whelko-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol
+ 0.01 M Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 15.0 min
k': 5.41
 α : 1.30
Reference: 46
Catalog #: 1-780201-300



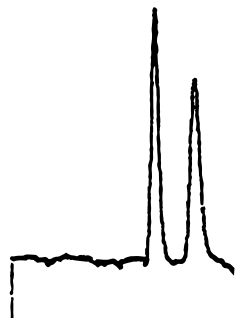
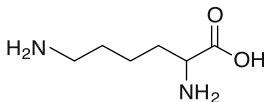
Luciferin

Column: L-Leucine,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/Ethanol + 0.04 mM
Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 15.5 min
k': 6.09
 α : 1.25
Reference: 46
Catalog #: 1-731041-300



Lysine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (70/30)
CH₃OH/H₂O
+ 0.01% Phosphoric Acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 5.3 min
k': 1.44
 α : 1.48
Catalog #: 1-799001-300,
1-799101-300



Mandelic Acid

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 0.1% HOAc
in water

Flow Rate: 1.0 mL/min

Detection: 254 nm

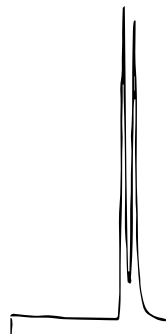
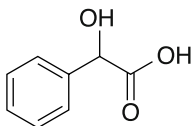
Run Time: 13 min

k': 3.08

α : 1.13

Reference: 18

Catalog #: 1-780101-300,
1-780201-300



Mandelic Acid

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

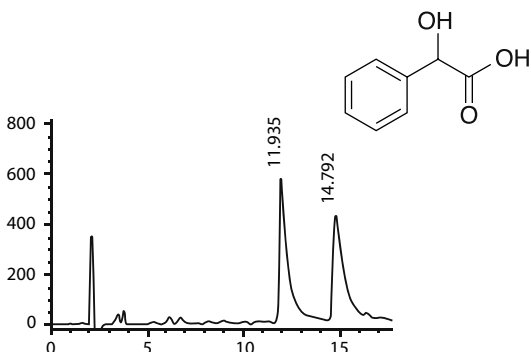
Detection: UV 220 nm

k': 5.28

α : 1.28

CAS #: 90-64-2

Catalog #: 1-783104-300



Mandelic Acid

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
 CO_2 /IPA + 0.5% TFA

Flow Rate: 4.0 mL/min

Temperature: 40°C

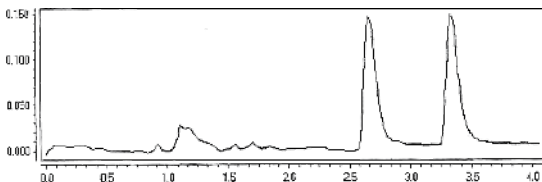
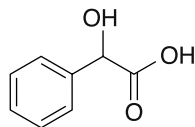
Pressure: 125 bar

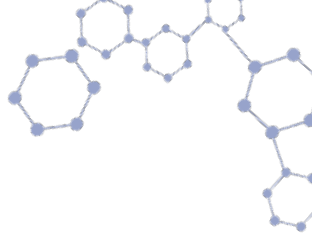
Detection: UV 254 nm

k': 2.53

α : 1.36

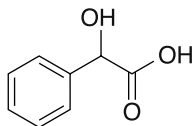
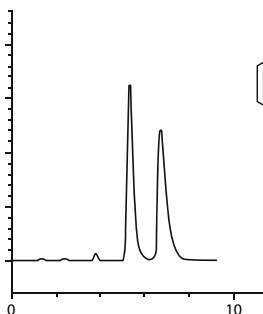
Catalog #: 1-783104-300





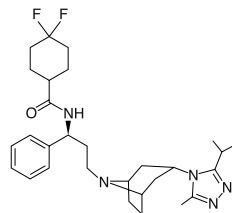
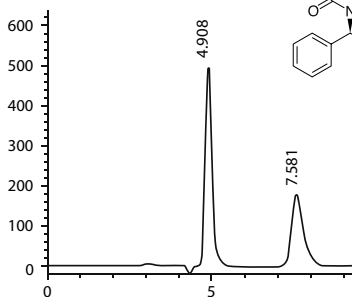
Mandelic acid

Column: (R,R) Whelk-O 2,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/Ethanol
+ 25mM Ammonium Acetate
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 2.80
 α : 1.36
Catalog #: 1-786446-300



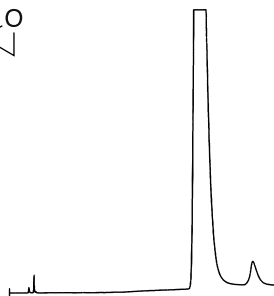
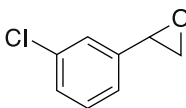
Maraviroc

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Ethanol + 0.1% DEA
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k': 0.69
 α : 2.34
CAS #: 376348-65-1
Catalog #: 1-780101-300,
1-780201-300



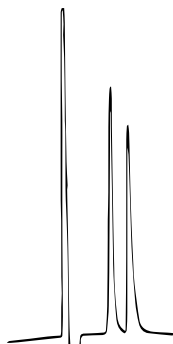
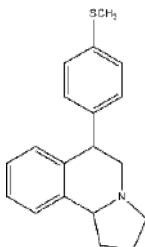
m-Cl Styrene Oxide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Hexane
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
Reference: 30
Catalog #: 1-780101-300,
1-780201-300



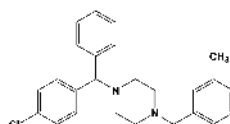
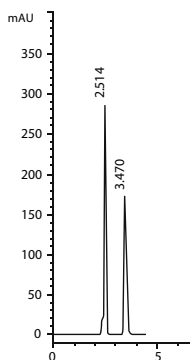
McN 5652

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA + 0.2%
Diethylamine
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.85
 α : 1.36
Reference: 32
Catalog #: 1-780101-300,
1-780201-300



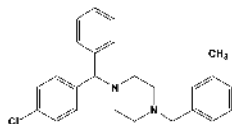
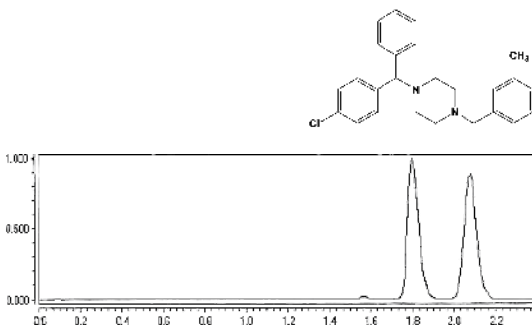
Meclizine

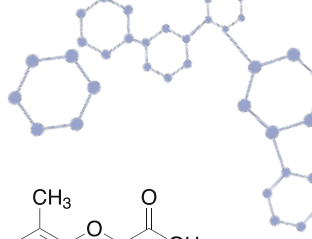
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.32
 α : 2.58
CAS #: 569-65-3
Catalog #: 1-783104-300



Meclizine

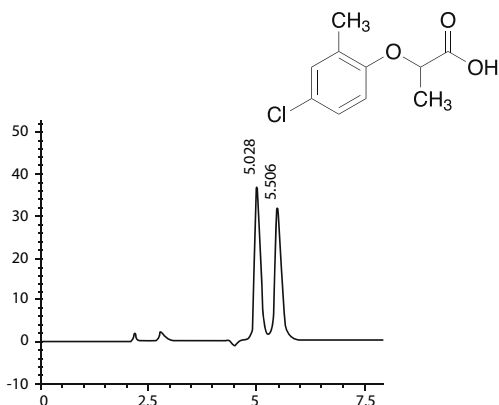
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 CO_2 /Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.40
 α : 1.27
Catalog #: 1-783104-300





Mecoprop

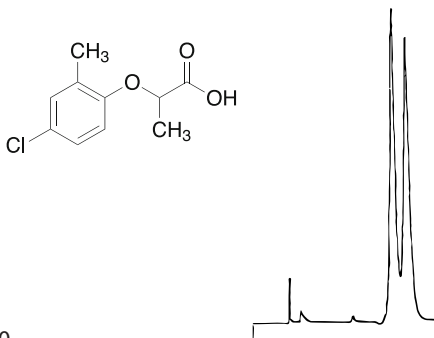
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA + 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.61
 α : 1.15
CAS #: 93-65-2
Catalog #: 1-780101-300,
1-780201-300



Mecoprop

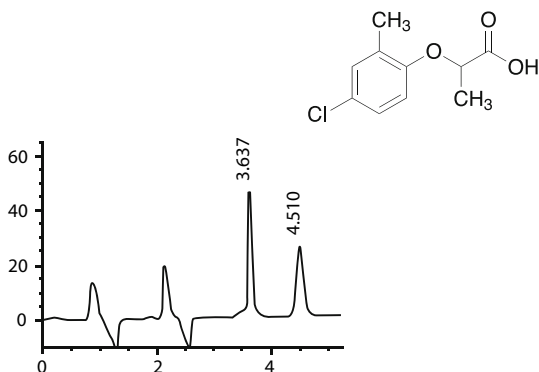
Herbicide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA + 0.1% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 6.54
 α : 1.13
Reference: 43
Catalog #: 1-780101-300, 1-780201-300



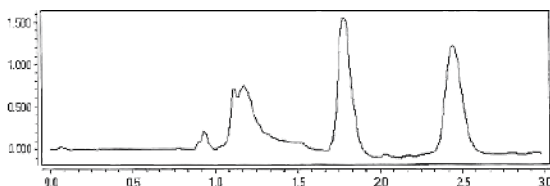
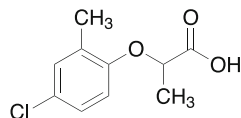
Mecoprop

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.91
 α : 1.50
CAS #: 7085-19-0
Catalog #: 1-783104-300



Mecoprop

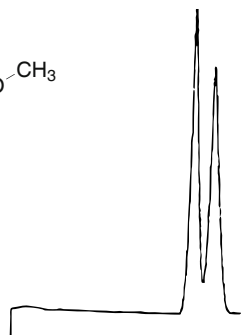
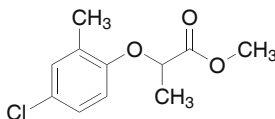
Column: RegisPack,
5 µm, 25 cm x 4.6 mm
Mobile Phase: (90/10)
CO₂/IPA + 0.5% TFA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k': 1.38
α: 1.64
Catalog #: 1-783104-300



Mecoprop Methyl

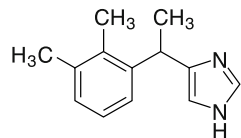
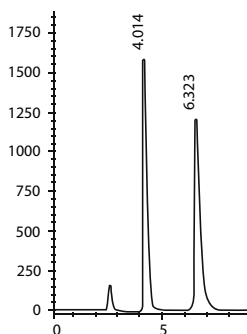
Insecticide

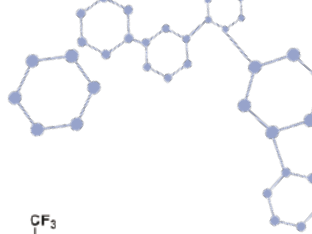
Column: Whelk-O 1,
5 µm, 25 cm x 4.6 mm
Mobile Phase: 100% Hexane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 6.92
α: 1.15
Reference: 43
Catalog #: 1-780101-300, 1-780201-300



Medetomidine

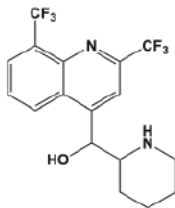
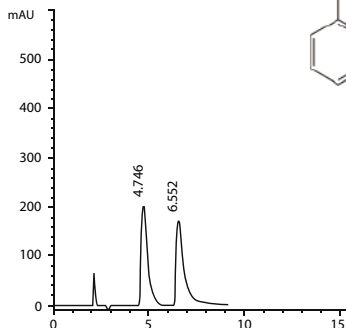
Column: Whelk-O 1,
5 µm, 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/IPA + 0.1%DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.09
α: 2.09
CAS #: 86347-14-0
Catalog #: 1-780101-300,
1-780201-300





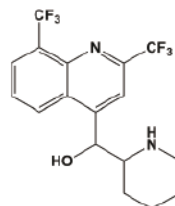
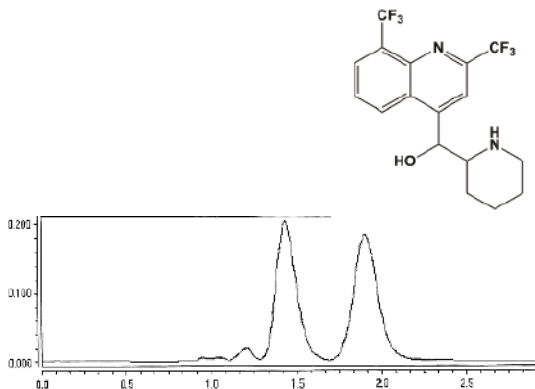
Mefloquine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.50
 α : 1.63
CAS #: 53230-10-7
Catalog #: 1-784104-300



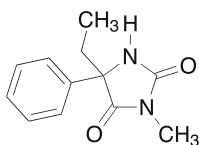
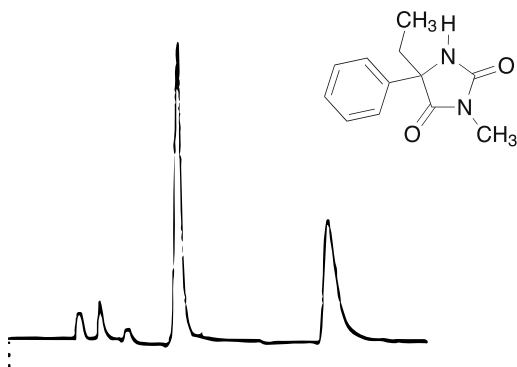
Mefloquine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 CO_2 /Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 254 nm
k': 0.91
 α : 1.68
Catalog #: 1-784104-300



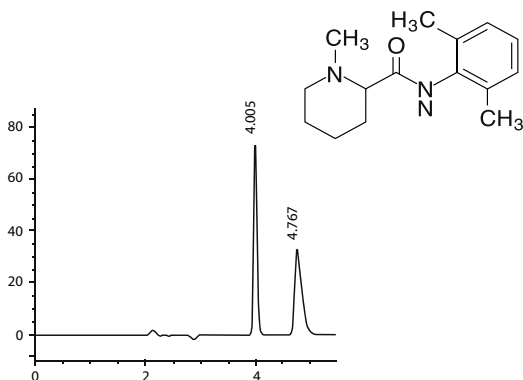
Mephencytoid

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 14 min
k': 1.57
 α : 2.46
Reference: 31
Catalog #: 1-780101-300,
1-780201-300



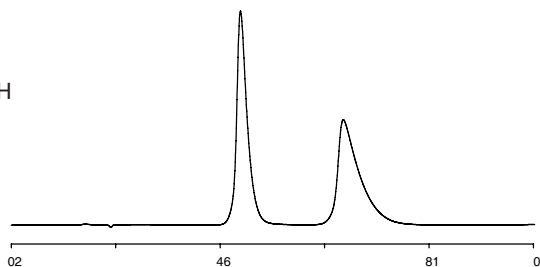
Mepivacaine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol
+ 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.11
 α : 1.51
CAS #: 96-88-8
Catalog #: 1-783104-300



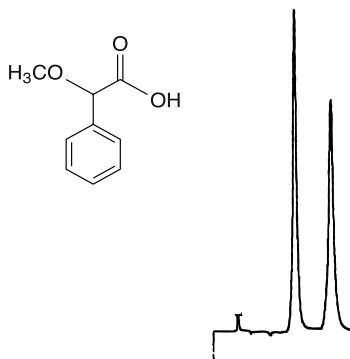
DL-Methionine

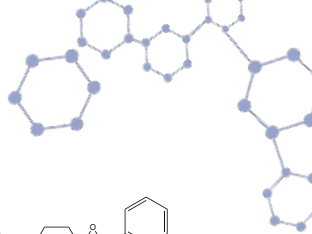
Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (30/70)
0.01% Phosphoric Acid/MeOH
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Temperature: 20°C
k': 1.32
 α : 1.79
Catalog #: 1-788001-300



α -Methoxyphenyl Acetic Acid

Column: (S,S) Whelk-O 1,
10 μm , 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': 2.96
 α : 1.61
Reference: 46
Catalog #: 1-786615-300



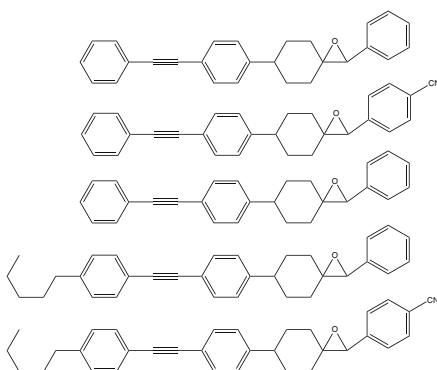


Mesogens

Mesogenesepoxide derivatives

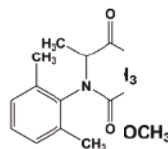
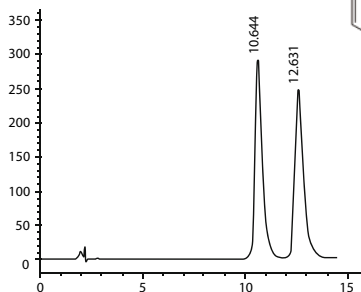
Schuster's Candidate
Photoresolvable

Reference: 13



Metalaxyl

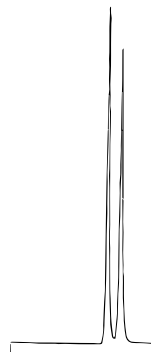
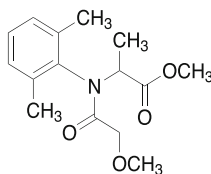
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 4.60
 α : 1.23
CAS #: 57837-19-1
Catalog #: 1-780101-300,
1-780201-300



Metalayxl

Herbicide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 13 min
k': 6.54
 α : 1.13
Reference: 43
Catalog #: 1-780101-300, 1-780201-300



Metalaxyl

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)
 CO_2/IPA

Flow Rate: 4.0 mL/min

Temperature: 40°C

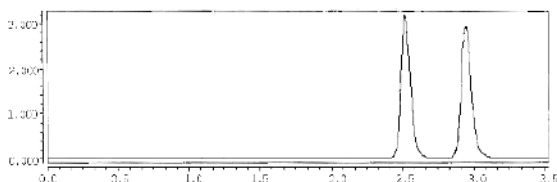
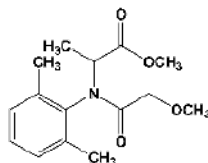
Pressure: 125 bar

Detection: UV 220 nm

k': 2.36

α : 1.25

Catalog #: 1-780101-300



Metalaxyl

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

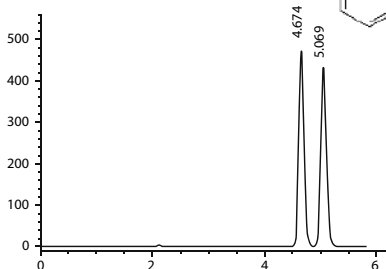
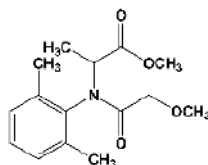
Detection: UV 220 nm

k': 1.46

α : 1.14

CAS #: 57837-19-1

Catalog #: 1-783104-300



Metalaxyl

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
 CO_2/IPA

Flow Rate: 4.0 mL/min

Temperature: 40°C

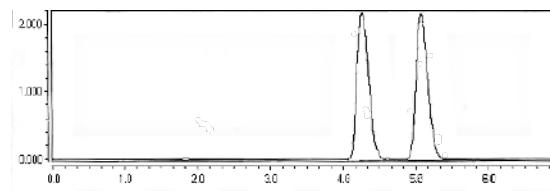
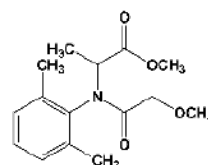
Pressure: 125 bar

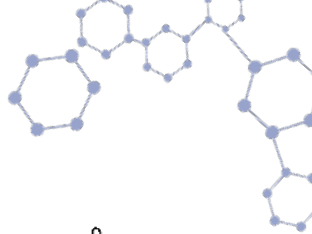
Detection: UV 220 nm

k': 4.68

α : 1.23

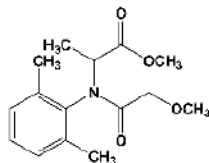
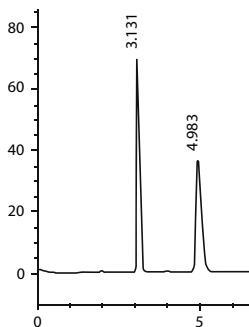
Catalog #: 1-783104-300





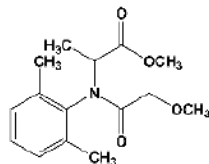
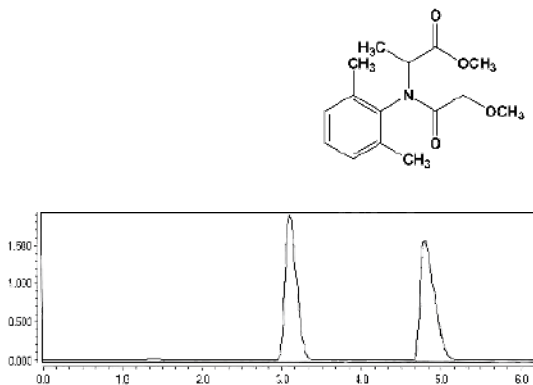
Metalaxyl

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.64
 α : 2.54
CAS #: 57837-19-1
Catalog #: 1-784104-300



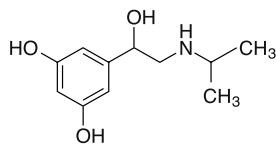
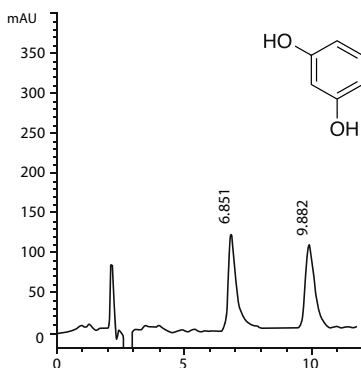
Metalaxyl

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
 CO_2 /IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.13
 α : 1.72
Catalog #: 1-784104-300



Metaproterenol

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 3.57
 α : 1.18
CAS #: 586-06-1
Catalog #: 1-783104-300



Methadone Hydrochloride

Column: (S) α -Burke 2,

5 μm , 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

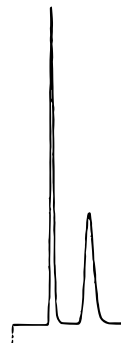
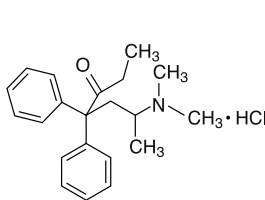
Run Time: 10.0 min

k': 3.50

α : 1.34

Reference: 46

Catalog #: 1-735037-300



Methaqualone

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%

Methanol + 0.1% DEA

Flow Rate: 1.0 mL/min

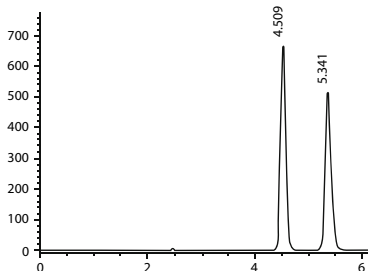
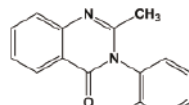
Detection: UV 254 nm

k': 1.37

α : 1.32

CAS #: 72-44-6

Catalog #: 1-783104-300



Methaqualone

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

CO₂/CH₃OH + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

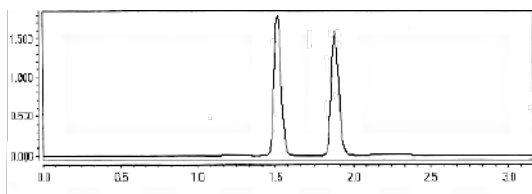
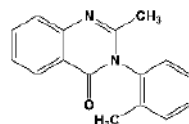
Pressure: 125 bar

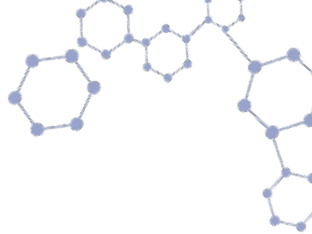
Detection: UV 254 nm

k': 1.02

α : 1.48

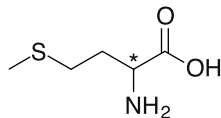
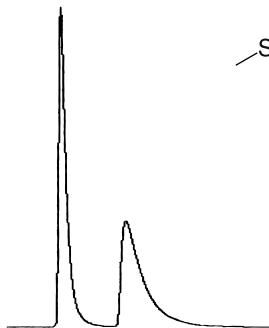
Catalog #: 1-783104-300





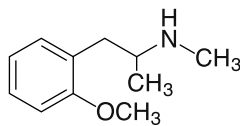
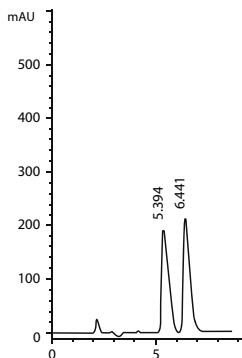
Methionine

Column: ChiroSil,
5 μ m, 15 cm x 4.6 mm
Mobile Phase: (45/55)
CH₃OH/H₂O
+10 mM Acetic acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 7.5 min
k': 1.64
 α : 2.04
Catalog #: 1-799001-300,
1-799101-300



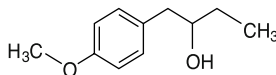
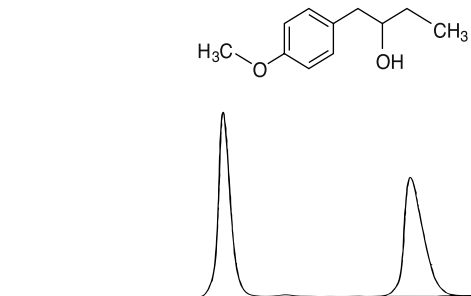
Methoxyphenamine

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.84
 α : 1.30
CAS #: 93-30-1
Catalog #: 1-784104-300



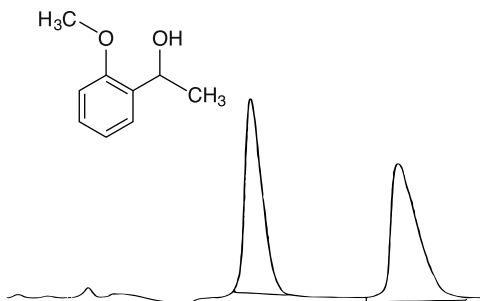
1-(4-Methoxyphenyl)-2-butanol

Column: (S,S) ULMO,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 12.0 min
k': 2.04
 α : 1.49
Reference: 60
Catalog #: 1-787100-300



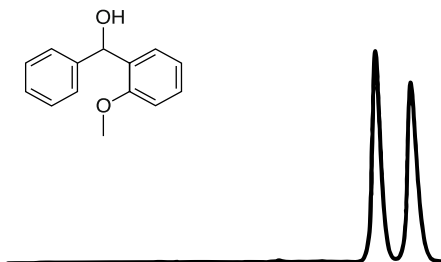
1-(o-Methoxyphenyl) Ethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 11.0 min
k': 3.27
 α : 1.29
Reference: 60
Catalog #: 1-787100-300



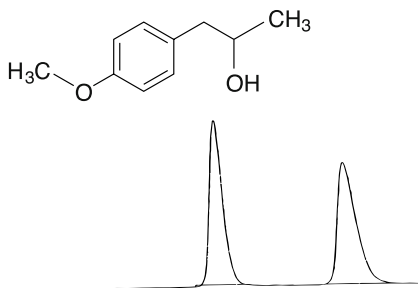
2-Methoxyphenyl Phenyl Carbinol

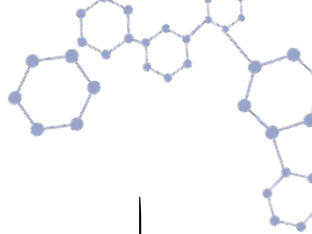
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Heptane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 215 nm
Run Time: 12.0 min
k': 2.92
 α : 1.13
Reference: 48
Catalog #: 1-787100-300



1-(4-Methoxyphenyl)-2-propanol

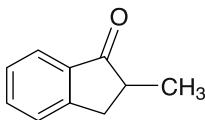
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 17.5 min
k': 5.33
 α : 1.28
Reference: 60
Catalog #: 1-787100-300





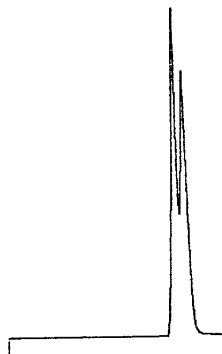
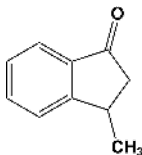
2-Methyl-1-Indanone

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 4.00
 α : 1.12
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



3-Methyl-1-Indanone

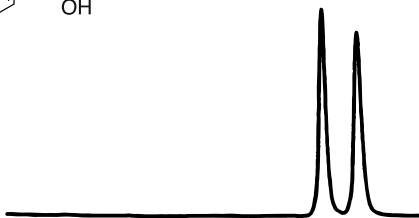
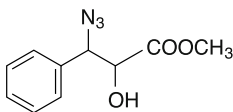
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 6.11
 α : 1.18
Run Time: 20 min
Catalog #: 1-780101-300,
1-780201-300



Methyl 3-phenyl-3-azido-2-hydroxypropanoate

Erythro-diastereomer

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (97/3)
Heptane/Glyme
Flow Rate: 1.0 mL/min
Detection: UV 215 nm
Run Time: 10.5 min
k': 2.34
 α : 1.16
Reference: 48
Catalog #: 1-787100-300



1-(m-Methylphenyl) Ethanol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (98.5/1.5)

n-Heptane/1,2-Dimethoxyethane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

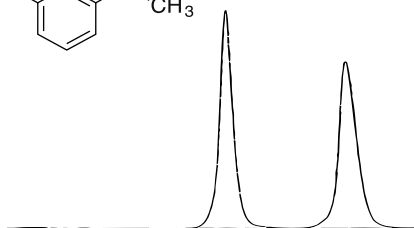
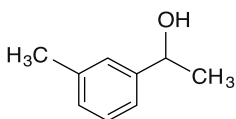
Run Time: 10.5 min

k': 1.94

α : 1.26

Reference: 60

Catalog #: 1-787100-300



1-(o-Methylphenyl) Ethanol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (98.5/1.5)

n-Heptane/1,2-Dimethoxyethane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

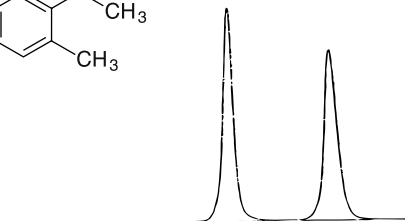
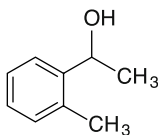
Run Time: 10.5 min

k': 1.88

α : 1.29

Reference: 60

Catalog #: 1-787100-300



1-(p-Methylphenyl) Ethanol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (98.5/1.5)

n-Heptane/1,2-Dimethoxyethane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

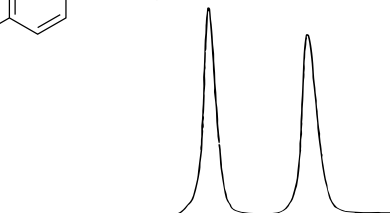
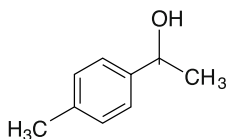
Run Time: 10.5 min

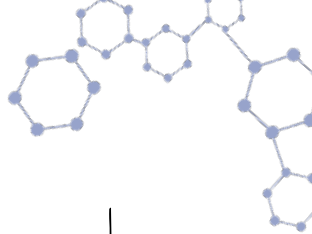
k': 2.06

α : 1.21

Reference: 60

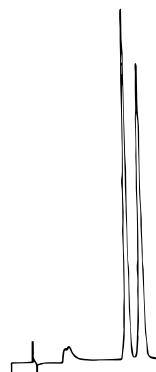
Catalog #: 1-787100-300





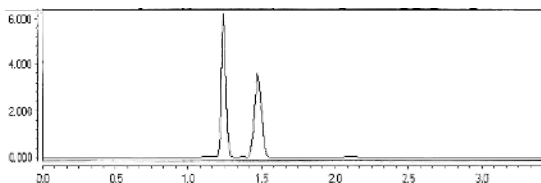
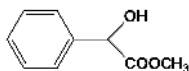
Methyl Mandelate

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (73/27)
 $\text{H}_2\text{O}/\text{CH}_3\text{CN}$ + 0.1% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 20 min
k': 5.27
 α : 1.15
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



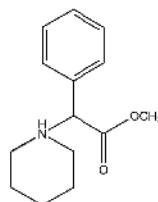
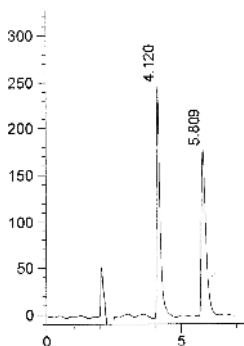
Methyl Mandelate

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 $\text{CO}_2/\text{Ethanol}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 0.66
 α : 1.47
Catalog #: 1-784104-300



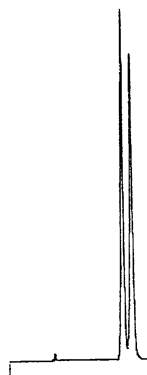
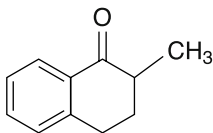
Methylphenidate

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 Hexane/IPA + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.17
 α : 1.76
Catalog #: 1-783104-300



2-Methyl-1-Tetralone

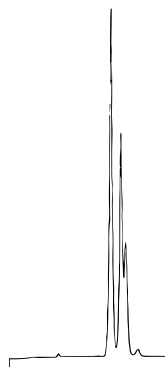
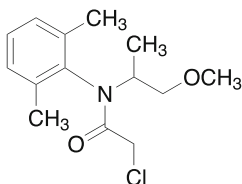
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 12 min
k': 2.76
 α : 1.11
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



Metolachlor

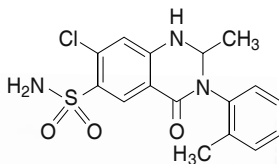
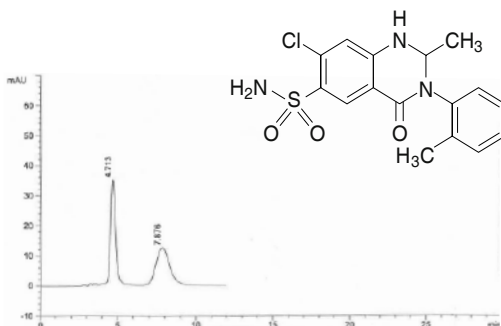
Herbicide

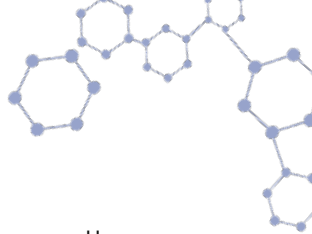
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 25 min
Reference: 43
Catalog #: 1-780101-300,
1-780201-300



Metolazone

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 1.44
 α : 2.14
Catalog #: 1-780101-300





Metolazone

Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (55/45)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

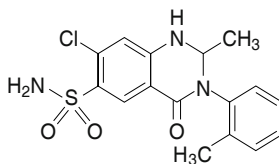
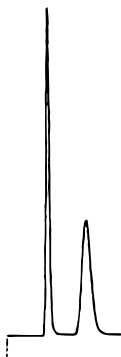
Run Time: 10.0 min

k': 1.93

α : 2.43

Reference: 46

Catalog #: 1-780201-300



Metolazone

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (55/45)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

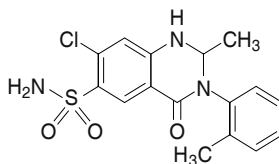
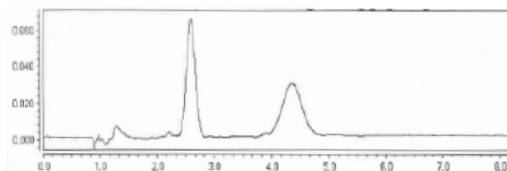
Pressure: 125 bar

Detection: UV 254 nm

k': 2.47

α : 1.95

Catalog #: 1-780101-300



Metoprolol

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%
Methanol + 0.1% DEA

Flow Rate: 1.0 mL/min

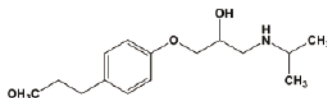
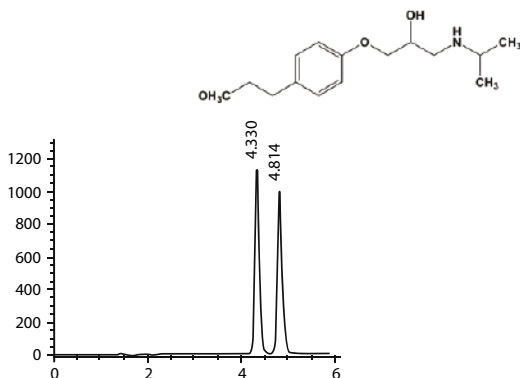
Detection: UV 220 nm

k': 0.49

α : 1.34

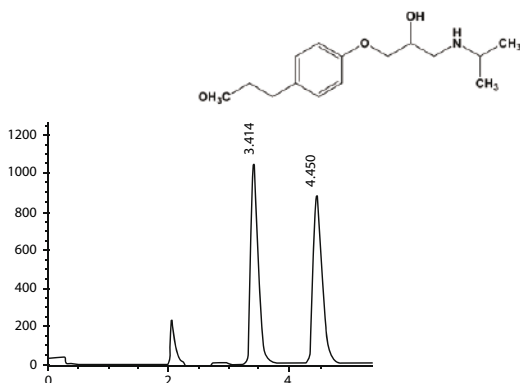
CAS #: 37350-58-6

Catalog #: 1-783104-300



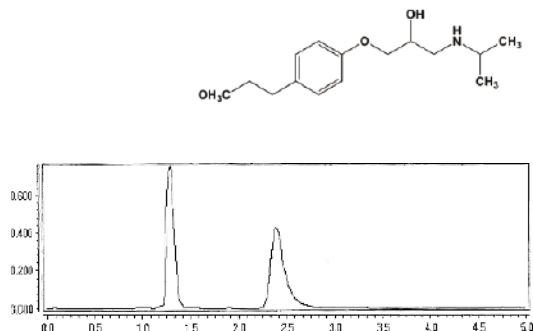
Metoprolol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 0.80
 α : 1.68
CAS #: 37350-58-6
Catalog #: 1-784104-300



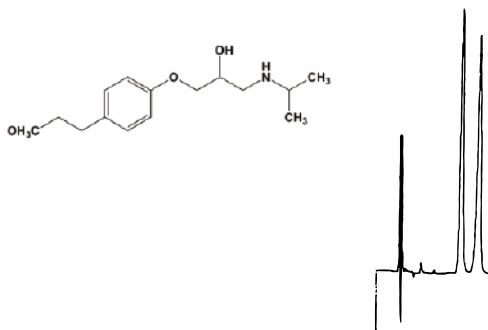
Metoprolol

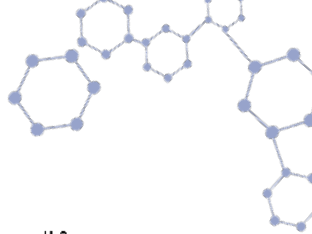
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 CO_2 /Ethanol + 0.5% TEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 280 nm
k': 0.73
 α : 3.00
Catalog #: 1-784104-300



Metoprolol

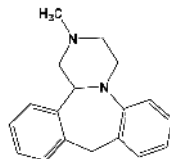
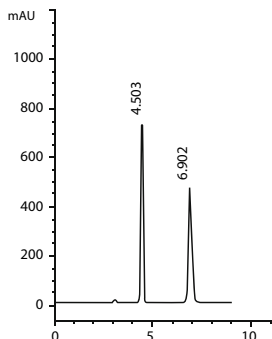
Column: α -Burke 2 ,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/10/5)
 CH_2Cl_2 /EtOH/MeOH
10 mM NH_4OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 13 min
k': 2.66
 α : 1.28
Reference: 33
Catalog #: 1-735035-300,
1-735037-300





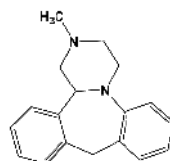
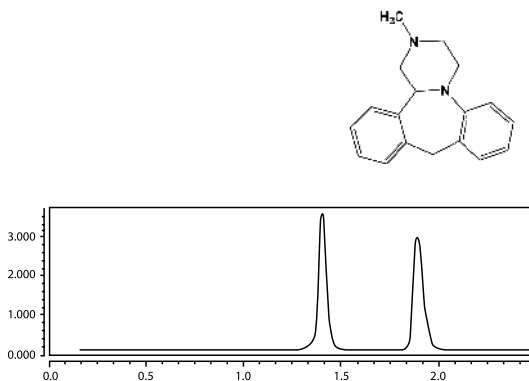
Mianserin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.55
 α : 2.51
CAS #: 24219-97-4
Catalog #: 1-783104-300



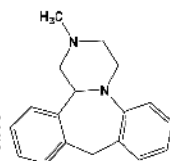
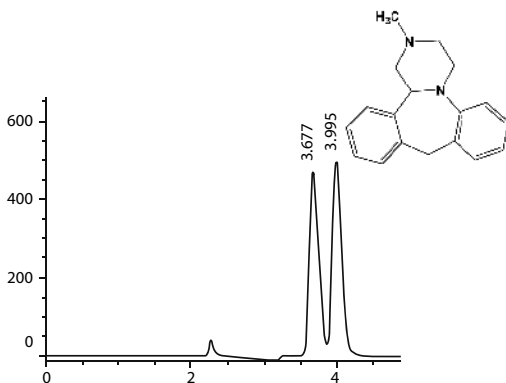
Mianserin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Temperature: 40°C
Pressure: 125 bar
Flow Rate: 4.0 mL/min
Detection: UV 220 nm
k': 0.86
 α : 1.75
Catalog #: 1-783104-300



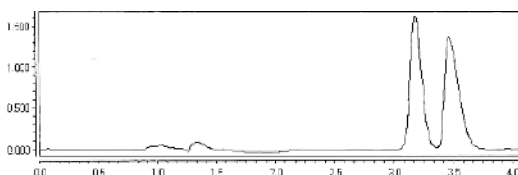
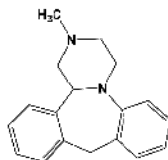
Mianserin

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.94
 α : 1.18
CAS #: 24219-97-4
Catalog #: 1-784104-300



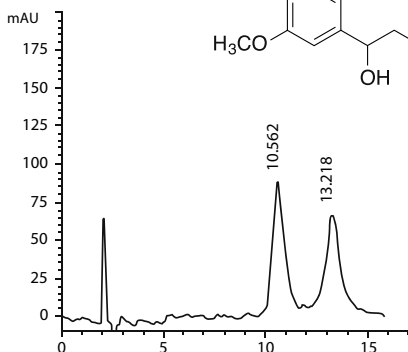
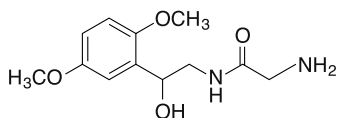
Mianserin

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.24
 α : 1.12
Catalog #: 1-784104-300



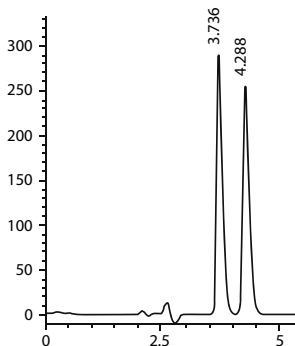
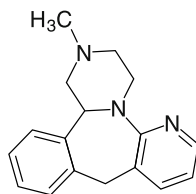
Midodrine

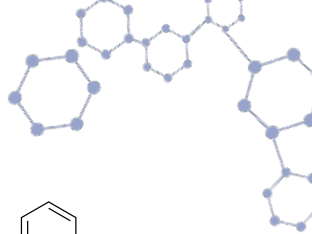
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 4.57
 α : 1.30
CAS #: 42794-76-3
Catalog #: 1-783104-300



Mirtazapine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.94
 α : 1.30
CAS #: 85650-52-8
Catalog #: 1-784104-300





Modafinil

Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)
Hexane/IPA

Flow Rate: 1.5 mL/min

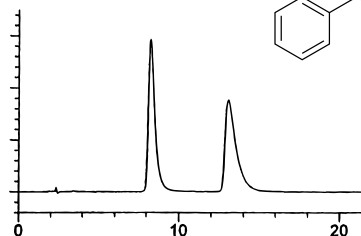
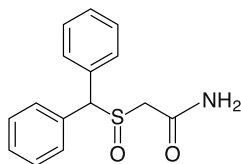
Detection: UV 254 nm

k': 3.57

α : 1.75

Reference: 46

Catalog #: 1-786615-300



Modafinil

Column: (S,S) Whelk -O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
 $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

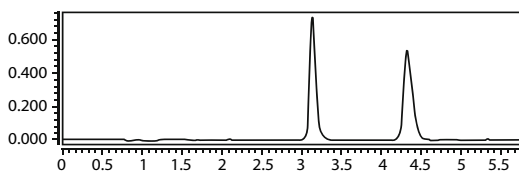
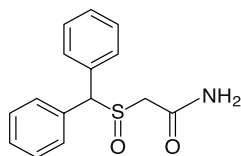
Pressure: 125 bar

Detection: UV 254 nm

k': 3.18

α : 1.50

Catalog #: 1-780101-300



Modafinil

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)
 $\text{CO}_2/\text{Ethanol}$

Temperature: 40°C

Pressure: 125 bar

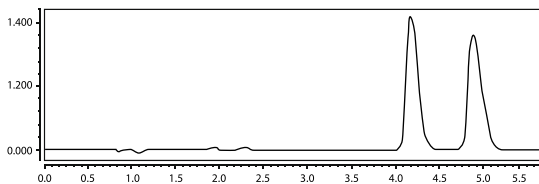
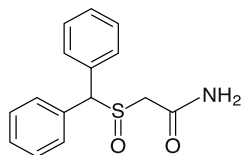
Flow Rate: 4.0 mL/min

Detection: UV 254 nm

k': 4.72

α : 1.21

Catalog #: 1-783104-300



Mosapride

Column: (R,R) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (66/28/6)

Hexane/ CH_2Cl_2 /Ethanol

Flow Rate: 1.5 mL/min

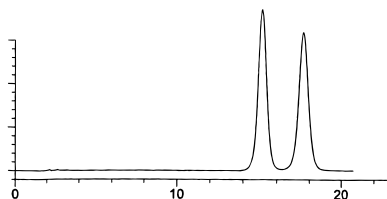
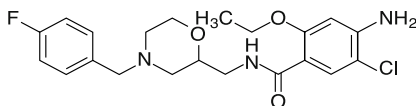
Detection: UV 254 nm

k': 7.37

α : 1.19

Reference: 46

Catalog #: 1-786515-300



Mosapride

Column: RegisCell,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/IPA + 0.1% DEA

Flow Rate: 1.5 mL/min

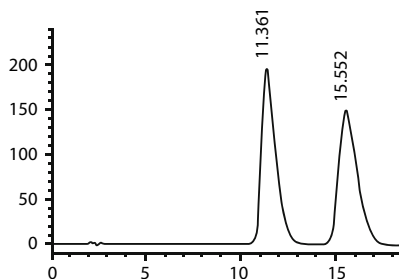
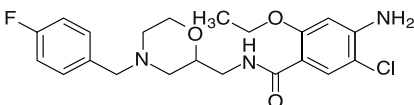
Detection: UV 254 nm

k': 4.88

α : 1.45

CAS #: 112885-41-3

Catalog #: 1-784104-300



Nadifloxacin

Column: (S,S)-Whelk-O 1,

10 μm , 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

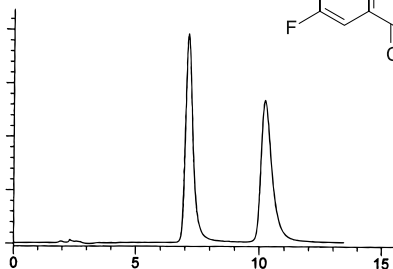
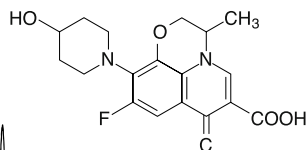
Detection: UV 254 nm

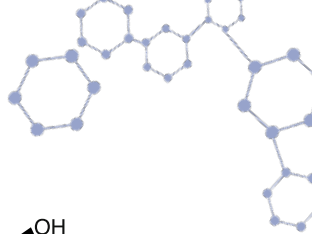
k': 2.95

α : 1.58

Reference: 46

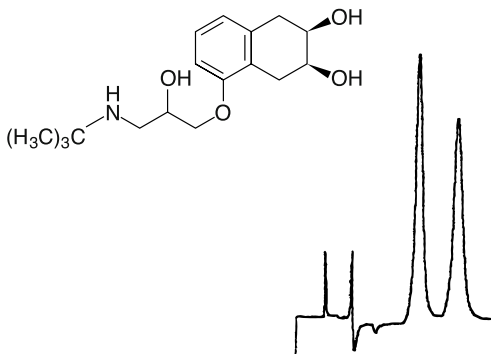
Catalog #: 1-786615-300





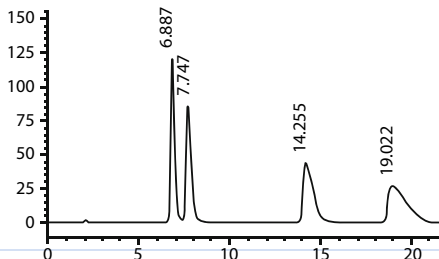
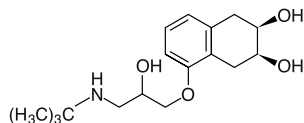
Nadolol

Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (78/22)
Hexane/Ethanol
+ 0.01 M Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 270 nm
Run Time: 9.5 min
k': 3.05
 α : 1.43
Reference: 46
Catalog #: 1-786615-300



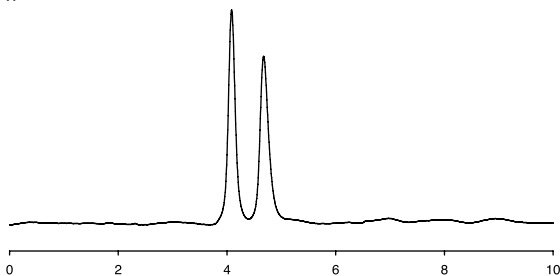
Nadolol

Column: RegisPack, 5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15) Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 270 nm
k': 2.62
k': 3.08
 α : 1.17
k': 6.50
k': 9.01
 α : 1.39
CAS #: 44200-33-9
Catalog #: 1-783104-300



DL-Nal

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (50/50)
5mM HClO₄ Acid/MeOH
Flow Rate: 0.5 mL/min
Detection: UV 210 nm
Temperature: 10°C
k': 0.08
 α : 2.99
Catalog #: 1-788001-300



α -Naphthyl Methyl Carbinol

Column: (R,R) ULMO,
5 μ m, 25 cm x 4.6 mm

Mobile Phase: (99/1)
Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

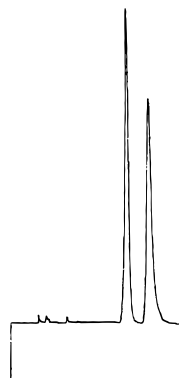
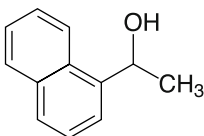
Run Time: 14.5 min

k': 3.49

α : 1.25

Reference: 46

Catalog #: 1-787200-300



1-Naphthylureaphenethylamine

Column: D-Phenyglycine,
5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)
Hexane/EtOH

Flow Rate: 1.0 mL/min

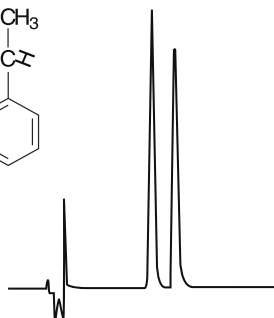
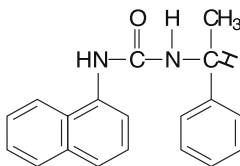
Detection: UV 254 nm

Run Time: 10 min

k': 2.37

α : 1.22

Catalog #: 1-731031-300



1-Naphthyl-2-butanol

Column: (S,S) ULMO,
5 μ m, 25 cm x 4.6 mm

Mobile Phase: (95/5)
Heptane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 215 nm

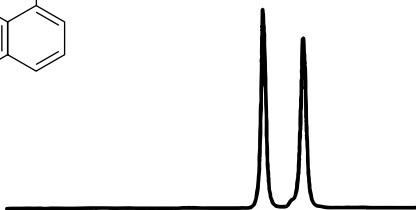
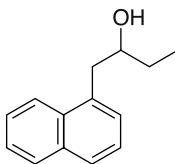
Run Time: 6 min

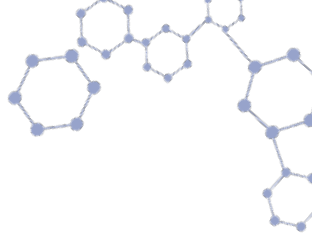
k': 0.80

α : 1.35

Reference: 48

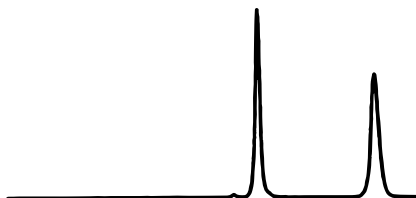
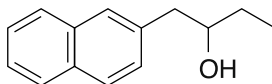
Catalog #: 1-787100-300





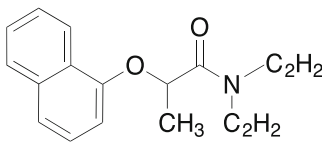
2-Naphthyl-2-butanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Heptane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 215 nm
Run Time: 8 min
k': 1.00
 α : 1.93
Reference: 48
Catalog #: 1-787100-300



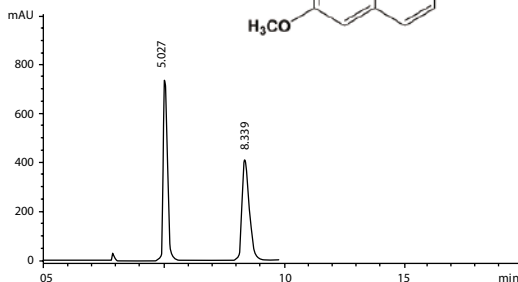
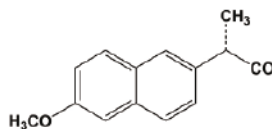
Napropamide (Devrinol)

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/Isopropanol
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15.0 min
k': 3.17
 α : 3.00
Reference: 10.14
Catalog #: 1-780101-300,
1-780201-300



Naproxen

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/Ethanol
+ 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.60
 α : 2.07
Catalog #: 1-780101-300



Naproxen

Normal Phase

Column: (R,R) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (60/40)

Hexane/IPA + 0.1% Acetic Acid

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

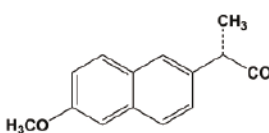
Run Time: 10.5 min

k': 1.40

α : 2.03

Reference: 46

Catalog #: 1-780201-300



Naproxen

Extract from Aleve tablet (99.4% ee)

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/IPA + 0.5 % HOAc

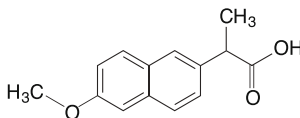
Flow Rate: 2.0 mL/min

Detection: UV 254 nm

Run Time: 10 min

Sample prep: 1/2 tablet partitioned between 1M HCl (2 mL) and CH₂Cl₂ (5 mL) with sonication. CH₂Cl₂ layer filtered through glass wool and injected

Catalog #: 1-780101-300



Naproxen

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

CO₂/Ethanol + 0.5% Acetic Acid

Flow Rate: 4.0 mL/min

Temperature: 40°C

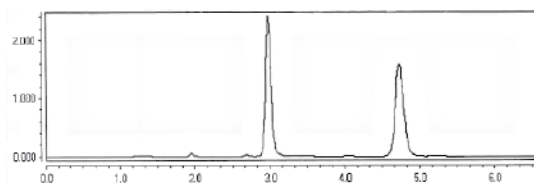
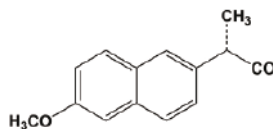
Pressure: 125 bar

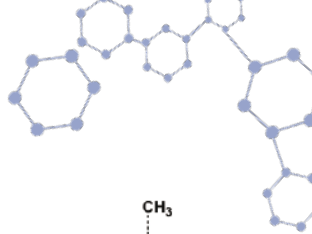
Detection: UV 254 nm

k': 2.97

α : 1.79

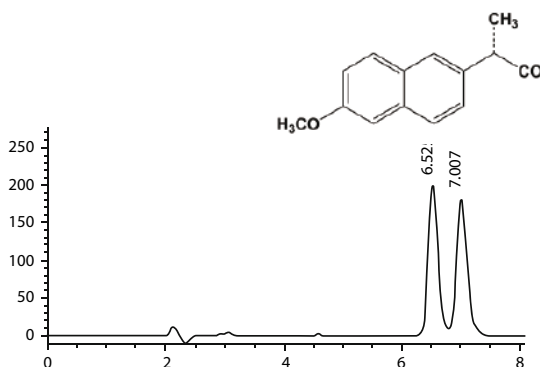
Catalog #: 1-780101-300





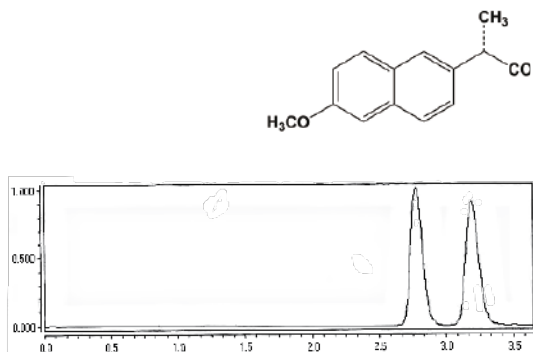
Naproxen

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1%TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.43
 α : 2.69
CAS #: 22204-53-1
Catalog #: 1-783104-300



Naproxen

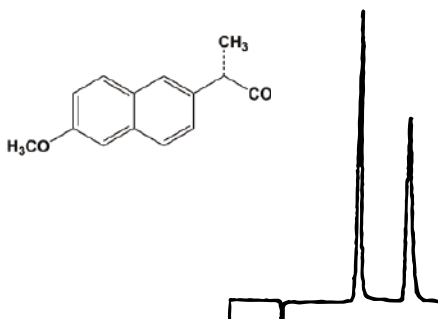
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
CO₂/CH₃OH + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.71
 α : 1.20
Catalog #: 1-783104-300



Naproxen

Reversed Phase

Column: (R,R) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
CH₃OH/H₂O + 0.1% Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10.0 min
k': 1.63
 α : 1.64
Reference: 46
Catalog #: 1-780201-300



Naproxen

R:S=30:70

Column: (S,S) ULMO,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Heptane/IPA + 0.1% TFA

Flow Rate: 1.0 mL/min

Detection: UV 230 nm

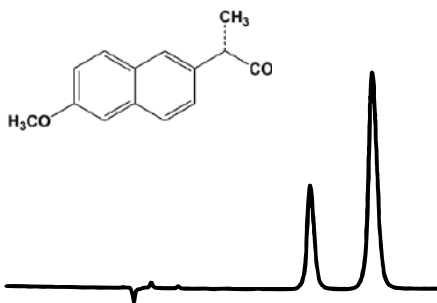
Run Time: 8.5 min

k': 1.54

α : 1.34

Reference: 48

Catalog #: 1-787100-300



Naproxen

Semi-prep on Analytical Column

Column: Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/IPA + 0.5% HOAc

Flow Rate: 1.0 mL/min

Detection: UV 300 nm

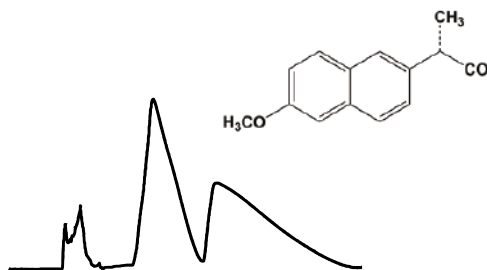
Run Time: 18 min

Reference: 6

Sample Prep: Inject 400 μl

@ 31.5 mg/ml = 12.6 mg

Catalog #: 1-780101-300, 1-780201-300



Naproxen Diisopropyl Amide

Column: Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/EtOH

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

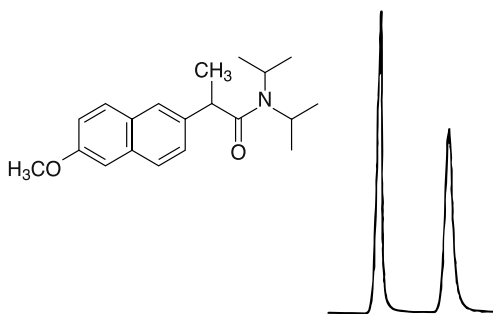
k': 2.23

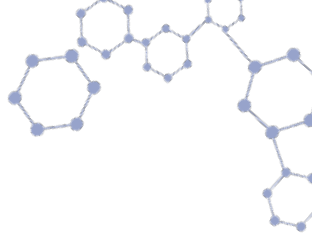
α : 1.53

Reference: 26

Catalog #: 1-780101-300,

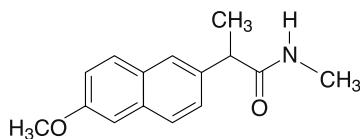
1-780201-300





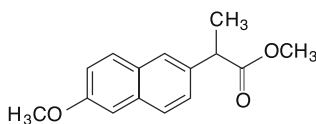
Naproxen Methyl Amide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA + 1 g/L NH_4OAc
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
 k' : 18.73
 α : 1.41
Reference: 14
Catalog #: 1-780101-300,
1-780201-300



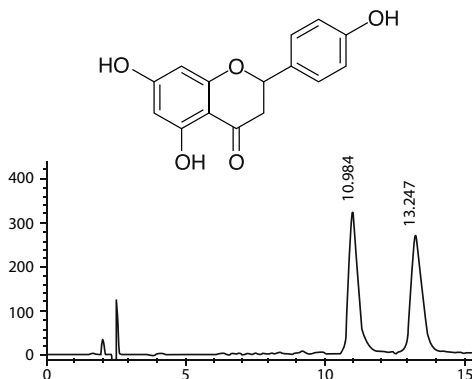
Naproxen Methyl Ester

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA + 1 g/L NH_4OAc
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
 k' : 3.42
 α : 1.42
Reference: 14
Catalog #: 1-780101-300,
1-780201-300



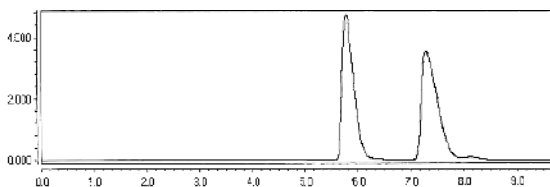
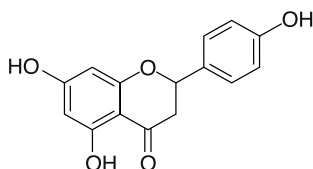
Naringenin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
 k' : 2.79
 α : 1.28
CAS #: 480-41-1
Catalog #: 1-783104-300



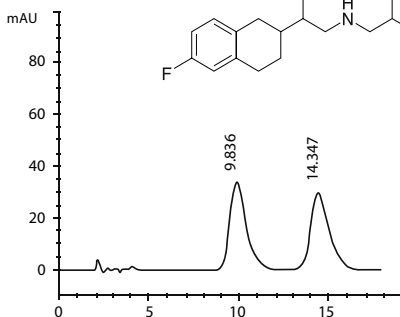
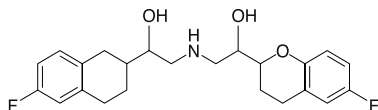
Naringenin

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/CH₃OH
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 290 nm
k': 6.71
 α : 1.30
Catalog #: 1-783104-300



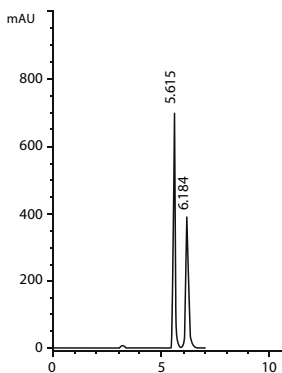
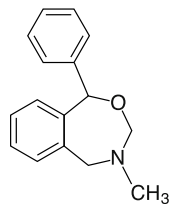
Nebivolol

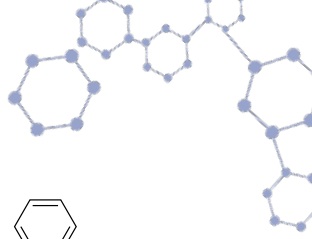
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 280 nm
k': 4.18
 α : 1.57
CAS #: 99200-09-6
Catalog #: 1-783104-300



Nefopam

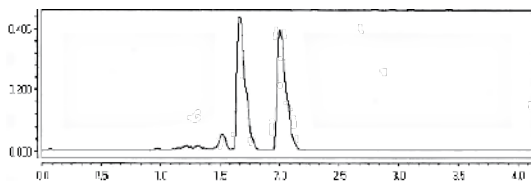
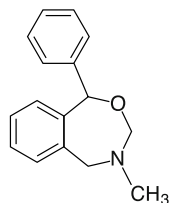
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.94
 α : 1.21
CAS #: 13669-70-0
Catalog #: 1-783104-300





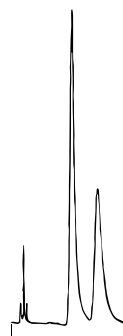
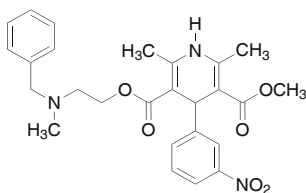
Nefopam

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.22
 α : 1.37
Catalog #: 1-783104-300



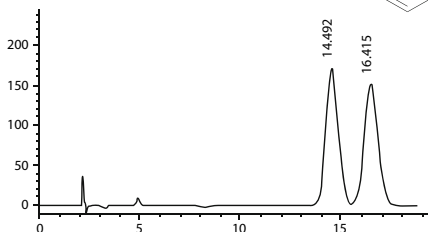
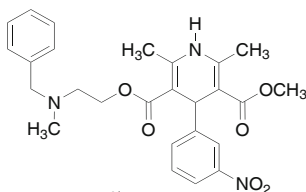
Nicardipine

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (73/27)
Hexane/IPA + 0.1 % HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 30 min
k': 6.06
 α : 1.52
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



Nicardipine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (96/4)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 6.63
 α : 1.15
CAS #: 55985-32-5
Catalog #: 1-783104-300



Nimodipine

Column: (R,R) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (65/35)

Methanol/H₂O

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

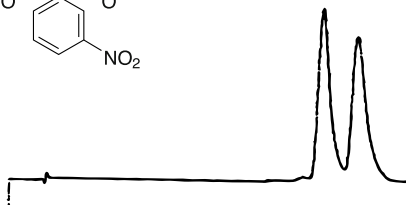
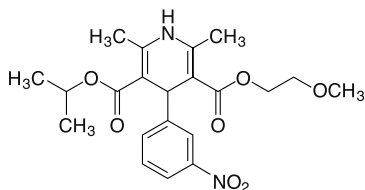
Run Time: 31.0 min

k': 9.25

α : 1.13

Reference: 46

Catalog #: 1-780201-300



Nirvanol

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

Run Time: 8 min

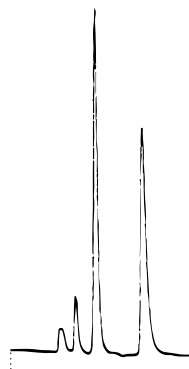
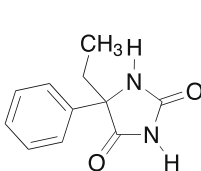
k': 1.50

α : 2.57

Reference: 31

Catalog #: 1-780101-300,

1-780201-300



4-Nitro-Phenylalanine

Column: ChiroSil ME RCA(+),

5 μ m, 15 cm x 4.6 mm

Mobile Phase: (40/60)

0.01% Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

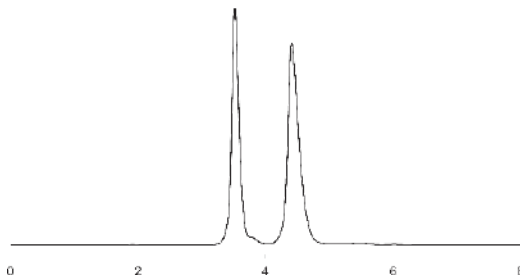
Detection: UV 210 nm

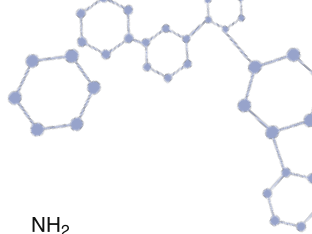
Temperature: 40°C

k': 1.91

α : 1.51

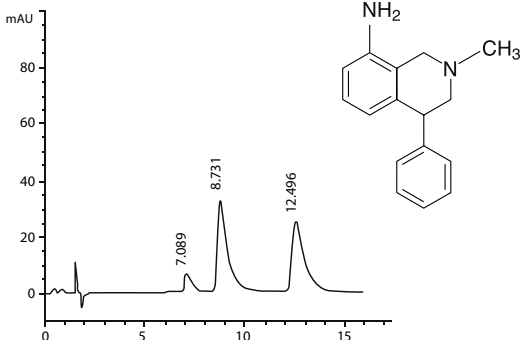
Catalog #: 1-788001-300





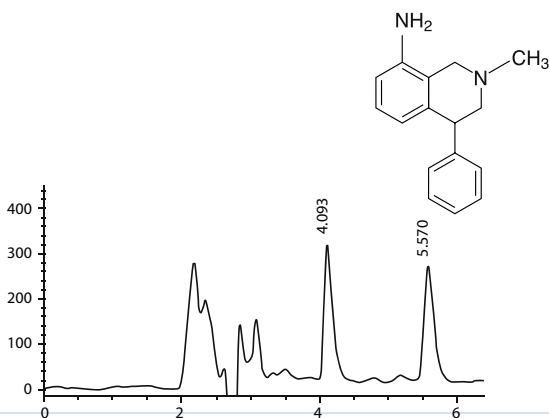
Nomifensine

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 5.24
 α : 1.51
CAS #: 24526-64-5
Catalog #: 1-780101-300,
1-780201-300



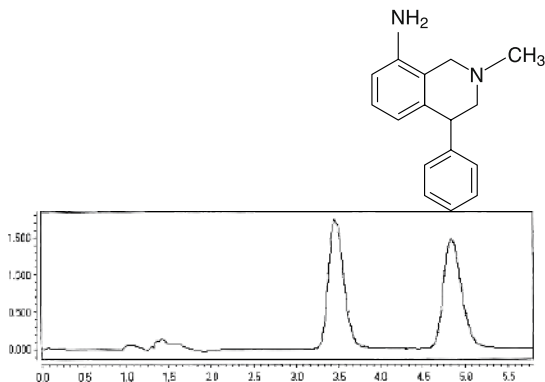
Nomifensine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.15
 α : 1.67
CAS #: 24526-64-5
Catalog #: 1-783104-300



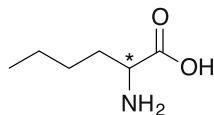
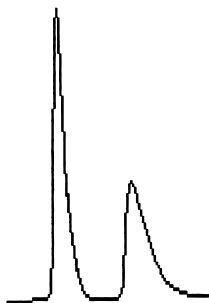
Nomifensine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 CO_2 /IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.81
 α : 1.80
Catalog #: 1-783104-300



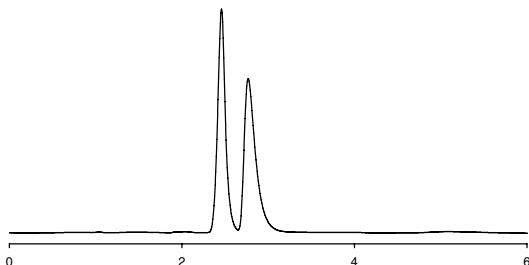
Norleucine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (45/55)
MeOH/H₂O in 10 mM Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 5.6 min
k': 1.28
k'': 2.23
 α : 1.75
Catalog #: 1-799001-300,
1-799101-300



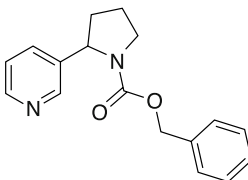
DL-Norleucine

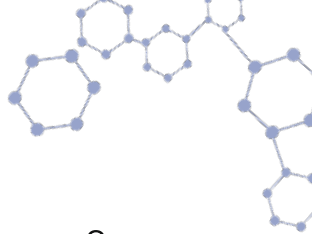
Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (30/70)
10 mM Acetic Acid/MeOH
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Temperature: 20°C
k': 0.17
 α : 1.86
Catalog #: 1-788001-300



CBZ Nornicotine

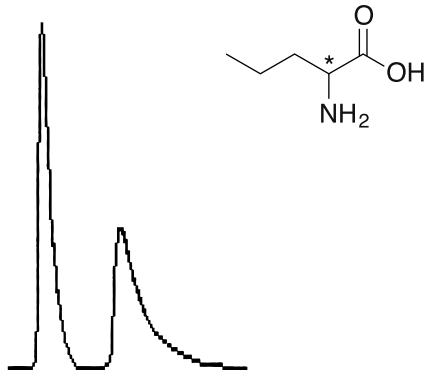
Column: Whelk- O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (25/75) MeOH/
Dichloromethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 5 min
k': 0.37
 α : 1.38
Reference: 7
Catalog #: 1-780101-300,
1-780201-300





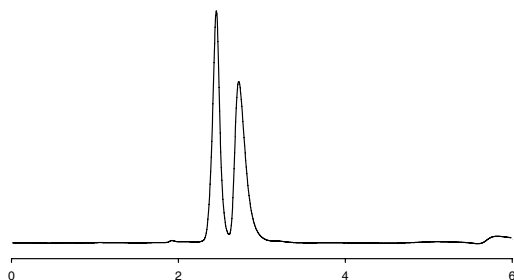
Norvaline

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (45/55)
MeOH/H₂O in 10 mM Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Temperature: 20°C
Run Time: 5.3 min
k': 1.15
k': 2.05
 α : 1.79
Catalog #: 1-799001-300,
1-799101-300



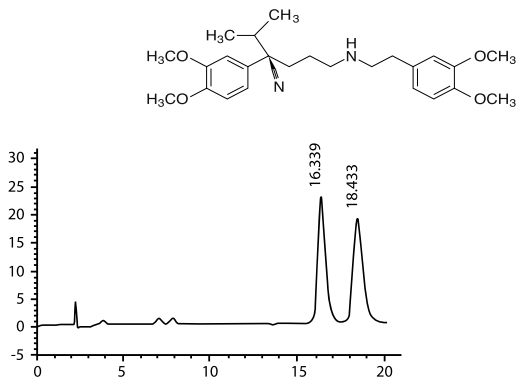
DL-Norvaline

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (30/70)
10 mM Acetic Acid/MeOH
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Temperature: 20°C
k': 0.17
 α : 1.76
Catalog #: 1-788001-300



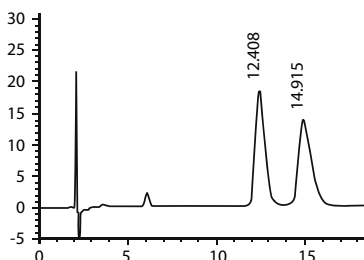
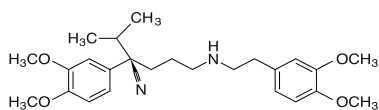
Norverapamil

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (96/4)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 290 nm
k': 7.47
 α : 1.15
CAS #: 67812-42-4
Catalog #: 1-783104-300



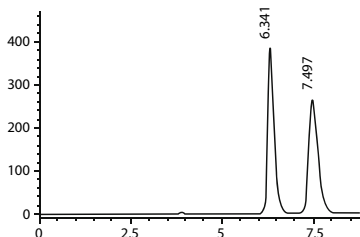
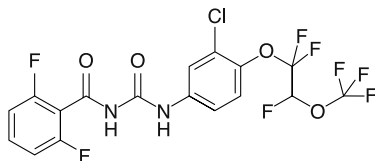
Norverapamil

Column: RegicCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 290 nm
k': 5.43
 α : 1.24
CAS #: 67812-42-4
Catalog #: 1-784104-300



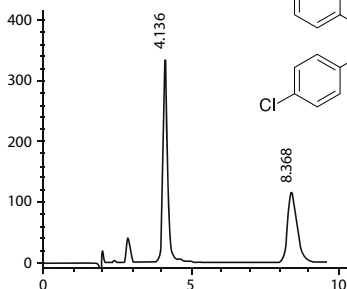
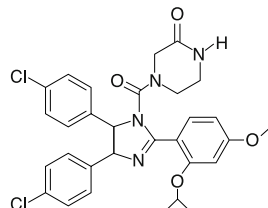
Novaluron

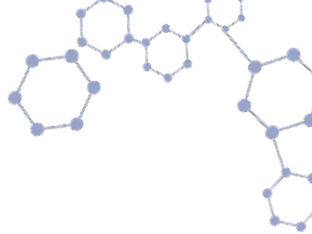
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (92/8)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.29
 α : 1.26
CAS #: 116714-46-6
Catalog #: 1-783104-300



Nutlin-3

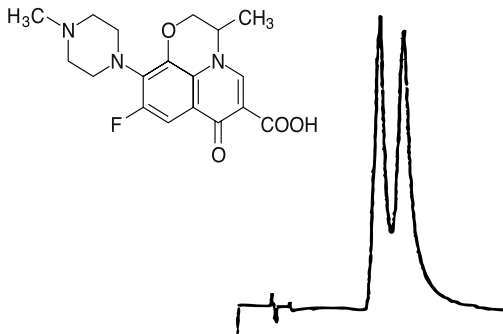
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Methanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.14
 α : 2.93
CAS #: 548472-68-0
Catalog #: 1-780101-300,
1-780201-300





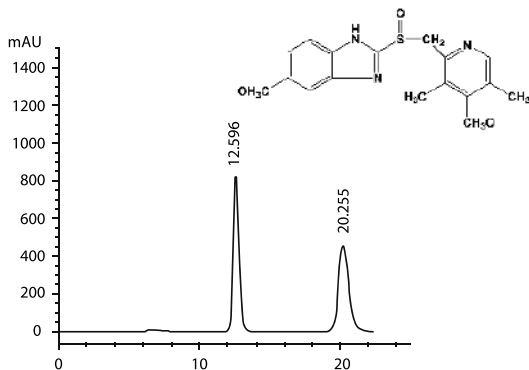
Ofloxacin

Column: (S,S) Whelk-O 1,
10 μm , 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': 2.96
 α : 1.24
Reference: 46
Catalog #: 1-786615-300



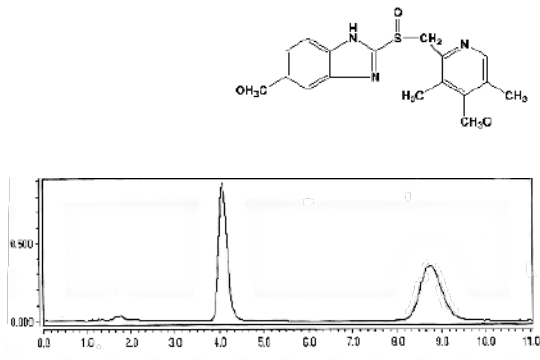
Omeprazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 302 nm
k': 3.34
 α : 1.79
CAS #: 73590-58-6
Catalog #: 1-783104-300



Omeprazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (55/45)
 CO_2 /CH₃OH
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 302 nm
k': 4.43
 α : 2.41
Catalog #: 1-783104-300



Omeprazole

Column: (S) α -Burke 2,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
 $\text{CH}_2\text{Cl}_2/\text{CH}_3\text{OH}$

Flow Rate: 1.0 mL/min

Detection: UV 302 nm

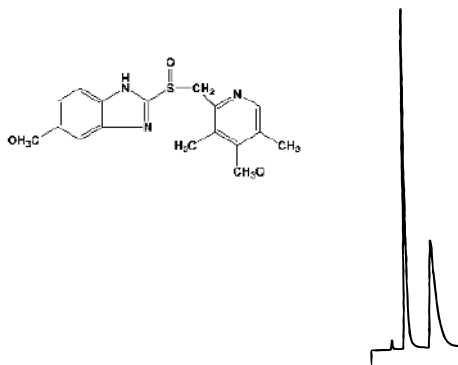
Run Time: 8.0 min

k': 0.64

α : 3.04

Reference: 46

Catalog #: 1-735037-300



Omite

Acaricide

Mixture of isomers

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: 100% Hexane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

Run Time: 25 min

Reference: 43

Catalog #: 1-780101-300,
1-780201-300



Ondansetron

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)
Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

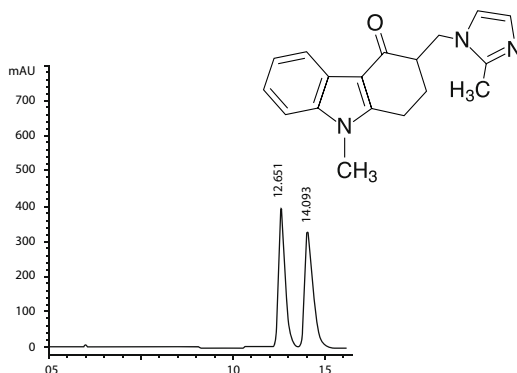
Detection: UV 254 nm

k': 5.66

α : 1.13

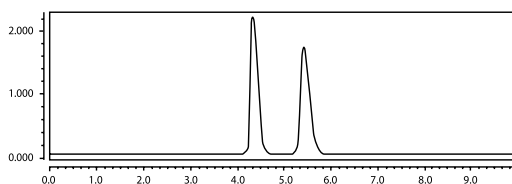
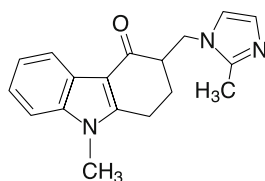
CAS #: 99614-02-5

Catalog #: 1-783104-300



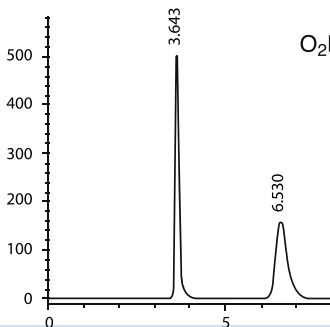
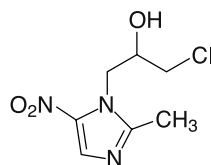
Ondansetron

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 4.71
 α : 1.30
Catalog #: 1-783104-300



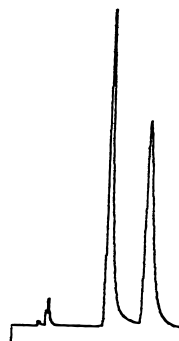
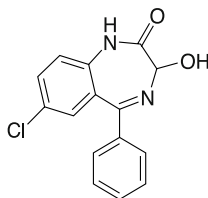
Ornidazole

Column: RegisPack CLA- 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100% Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.26
 α : 4.81
CAS #: 16773-42-5
Catalog #: 1-793104-300



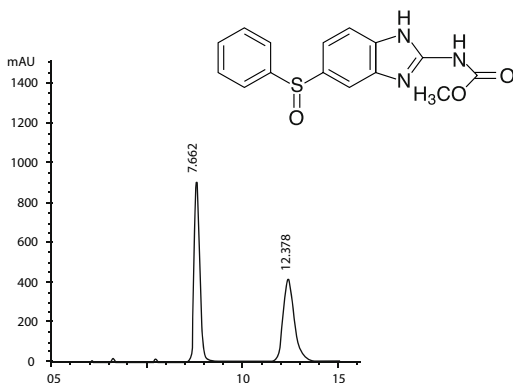
Oxazepam

Column: (R,R) Whelk-O 1,
5 μm , 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': 2.73
 α : 1.56
Reference: 46
Catalog #: 1-780201-300



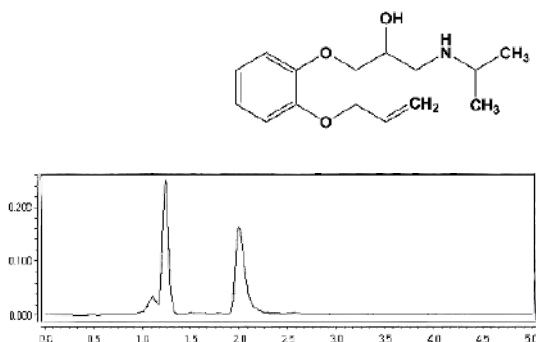
Oxfendazole

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: 100%
Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k': 1.64
 α : 1.99
CAS #: 53716-50-0
Catalog #: 1-783104-300



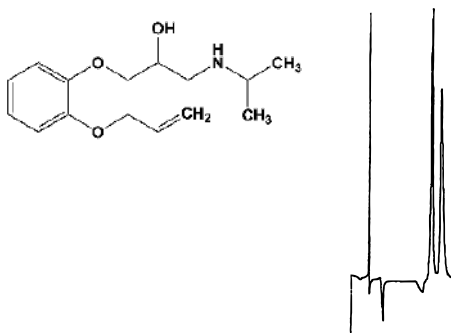
Oxprenolol

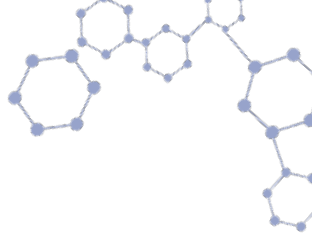
Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 0.66
 α : 2.54
Catalog #: 1-784104-300



Oxprenolol

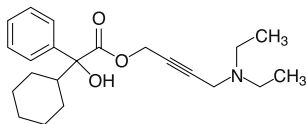
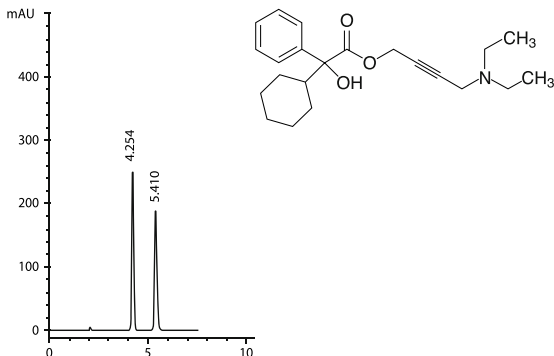
Column: (3R,4S) Pirkle 1-J,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
CH₂Cl₂/Ethanol + 0.015M
Ammonium Acetate
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 13.5 min
k': 3.55
 α : 1.15
Reference: 46
Catalog #: 1-731044-300





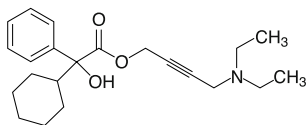
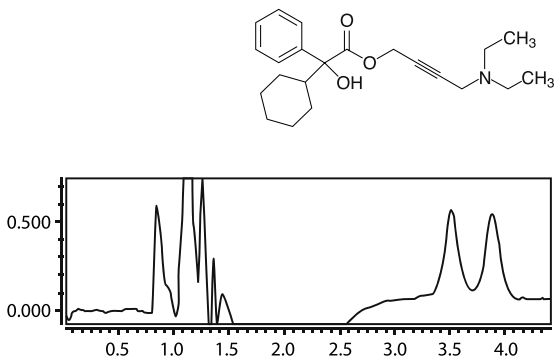
Oxybutynin

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 1.24
 α ₁: 1.49
CAS #: 5633-20-5
Catalog #: 1-783104-300



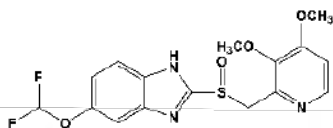
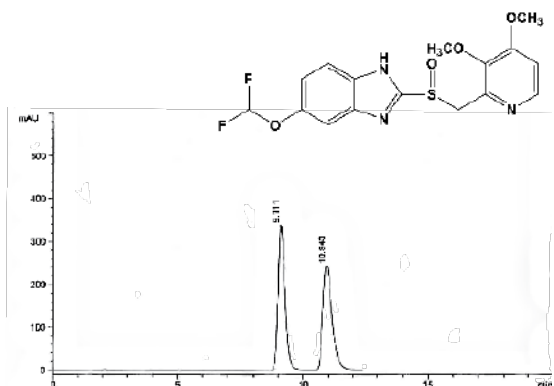
Oxybutynin

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
CO₂/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k'₁: 3.68
 α ₁: 1.13
Catalog #: 1-783104-300



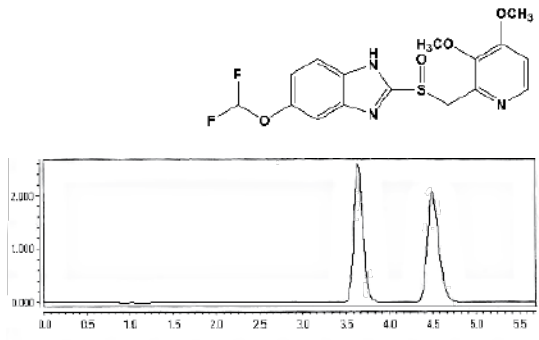
Pantoprazole

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 280 nm
k'₁: 3.8
 α ₁: 1.25
Catalog #: 1-783104-300



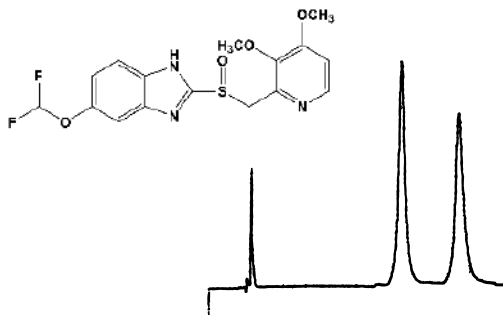
Pantoprazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
CO₂/Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 280 nm
k': 3.86
 α : 1.30
Catalog #: 1-783104-300



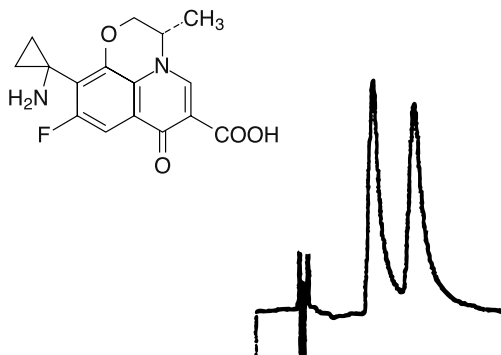
Pantoprazole

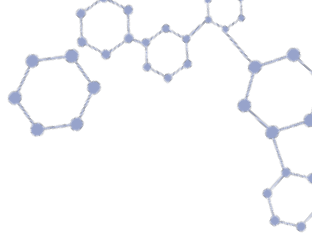
Column: (R) α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (48/48/4)
CH₂Cl₂/Hexane/Ethanol
+ 4 mM Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 280 nm
Run Time: 12.0 min
k': 4.07
 α : 1.38
Reference: 46
Catalog #: 1-735035-300



Pazufloxacin

Column: (S,S) Whelk-O 1
10 μm , 25 cm x 4.6 mm
Mobile Phase: (40/40/20)
CH₂Cl₂/Hexane/IPA
+ 0.15% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 6.7 min
k': 1.71
 α : 1.58
Reference: 46
Catalog #: 1-786615-300





DL-Penicillamine

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm

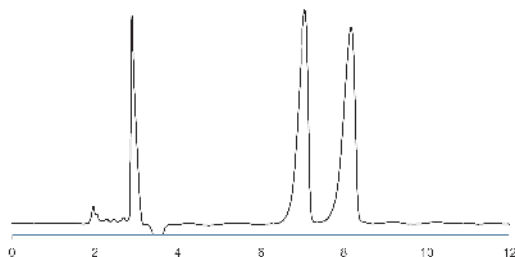
Mobile Phase: (10/90)
10 mM H_2SO_4 aq./Acetonitrile

Flow Rate: 0.8 mL/min

Detection: UV 210 nm

Temperature: 15°C

Catalog #: 1-788001-300



Permethrin

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/IPA

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 1.28

k': 1.35

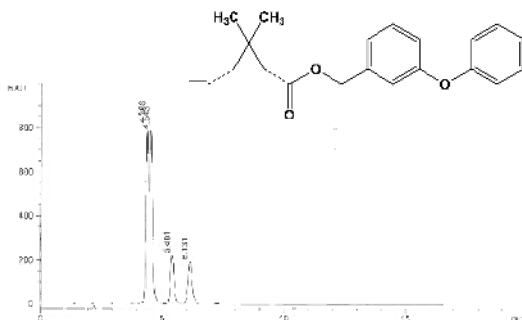
k': 1.80

k': 2.18

$\alpha_{1,2}$: 1.06

$\alpha_{3,4}$: 1.21

Catalog #: 1-780101-300



Permethrin

Insecticide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%
Hexane + 0.2% IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

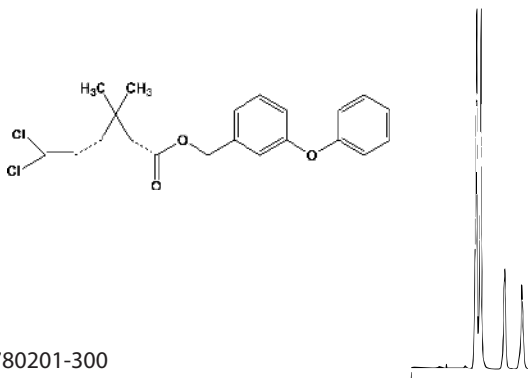
k': 4.83 cis; 7.46 trans

α : 1.11 cis; 1.24 trans

Run Time: 16 min

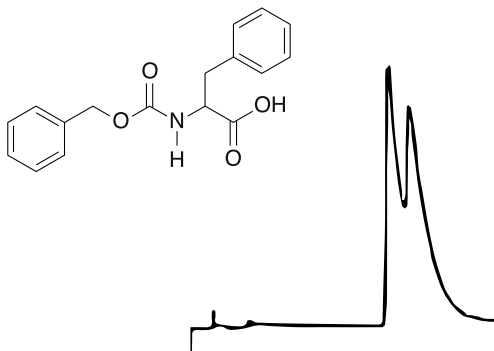
Reference: 43

Catalog #: 1-780101-300, 1-780201-300



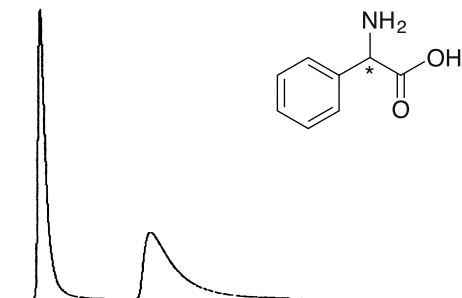
CBZ-Phe

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Flow Rate: (95/5)
Hexane/IPA + 0.1 % HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 40 min
k': 10.2
 α : 1.20
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



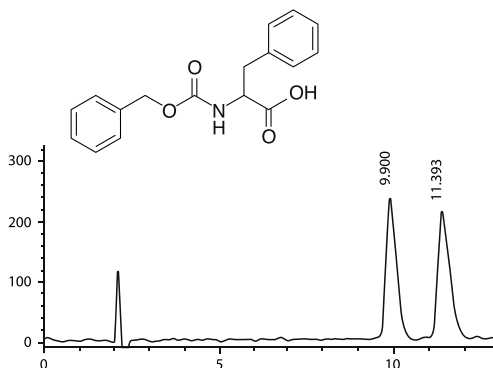
Phenylalanine

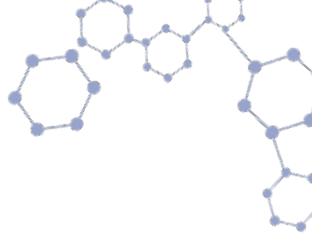
Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (70/30)
MeOH/H₂O in 10 mM Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 210 nm
Temperature: 20°C
Run Time: 8.9 min
k': 2.66
k': 6.84
 α : 2.57
Catalog #: 1-799001-300, 1-799101-300



N-CBZ-Phenylalanine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 4.21
 α : 1.19
CAS #: 3588-57-6
Catalog #: 1-783104-300





DL-Phenylalanine

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm

Mobile Phase: (30/70)
0.01% Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

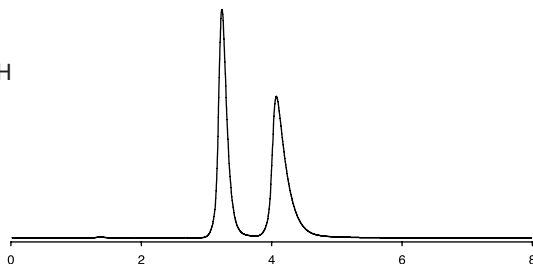
Detection: UV 210 nm

Temperature: 20°C

k': 0.71

α : 1.62

Catalog #: 1-788001-300



Phenylbutyric acid

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (99/1)
Heptane/IPA + 0.1% TFA

Flow Rate: 2.0 mL/min

Detection: UV 215 nm

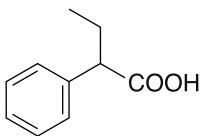
Run Time: 6.5 min

k': 3.19

α : 1.16

Reference: 48

Catalog #: 1-787100-300



Trans Phenyl Cyclohexanol

Analytical vs. Preparative Run

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (99/1)
Heptane/IPA

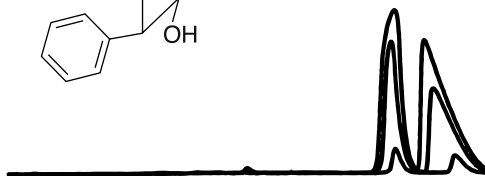
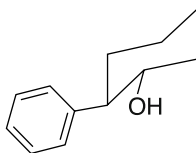
Flow Rate: 1.0 mL/min

Detection: UV 270 nm

Run Time: 7.0 min

Reference: 48

Catalog #: 1-787100-300



Phenyl Cyclohexyl Carbinol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (99/1)

Heptane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 215 nm

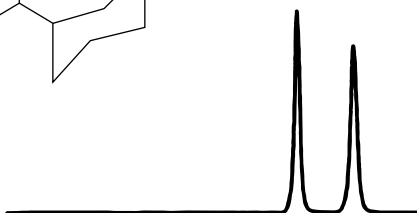
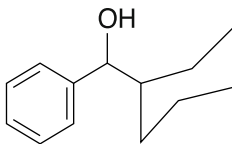
Run Time: 6.5 min

k': 0.97

α : 1.39

Reference: 48

Catalog #: 1-787100-300



2-Phenylcyclopropane Carboxylate

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (99/1)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 220 nm

Run Time: 18 min

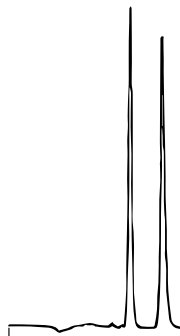
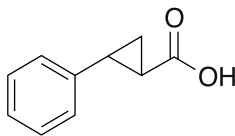
k': 4.19

α : 1.34

Reference: 18

Catalog #: 1-780101-300,

1-780201-300



Phenylephrine

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (92/8)

Hexane/Ethanol + 0.1% TFA

Flow Rate: 1.5 mL/min

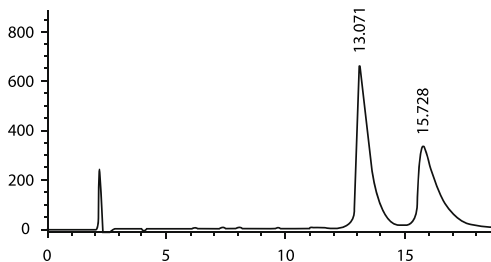
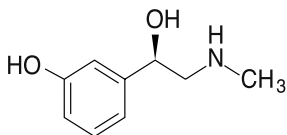
Detection: UV 220 nm

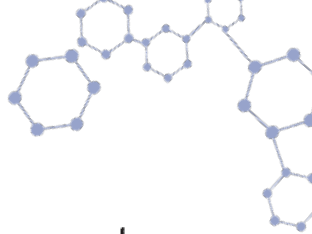
k': 5.88

α : 1.24

CAS #: 61-76-7

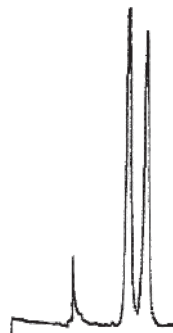
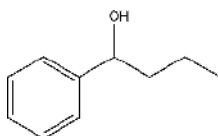
Catalog #: 1-783104-300





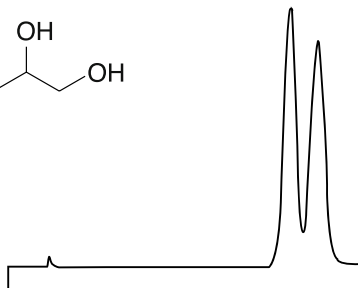
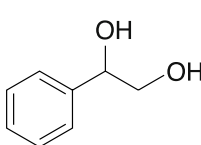
Phenyl Ethyl Carbinol

Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 6.5 min
k': 1.06
 α : 1.30
Reference: 46
Catalog #: 1-787200-300



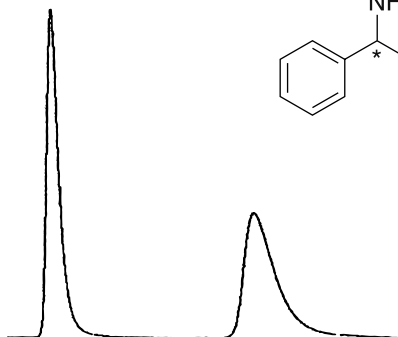
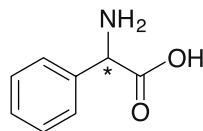
Phenylethylene Glycol

Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/Ethanol
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
Run Time: 18.7 min
k': 11.62
 α : 1.11
Catalog #: 1-786615-300



Phenylglycine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (70/30)
CH₃OH/H₂O
+10 mM H₂SO₄ and
0.1% TEA
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 13.1 min
k': 3.14
 α : 2.60
Catalog #: 1-799001-300,
1-799101-300



Phenyl Isopropyl Carbinol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (99/1)

Heptane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 215 nm

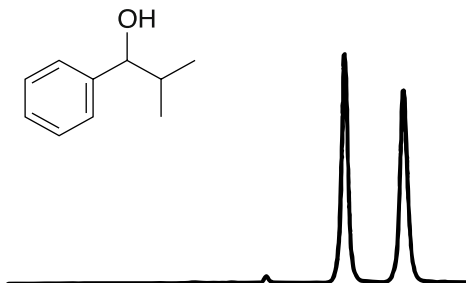
Run Time: 6 min

k': 0.86

α : 1.38

Reference: 48

Catalog #: 1-787100-300



Phenyl Methyl Carbinol

Column: (R,R) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: 100%

Hexane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

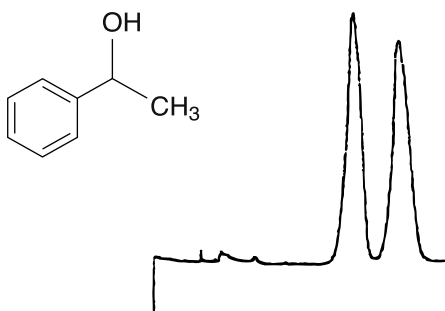
Run Time: 14 min

k': 3.11

α : 1.30

Reference: 46

Catalog #: 1-787200-300



1-Phenylpentanol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (99/1)

n-Heptane/1,2-Dimethoxyethane

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

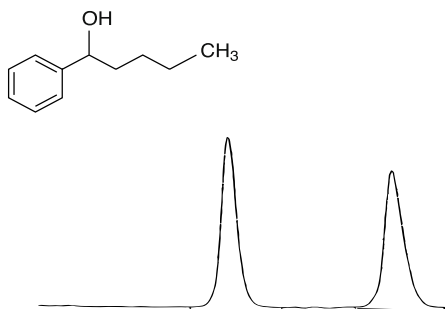
Run Time: 7.0 min

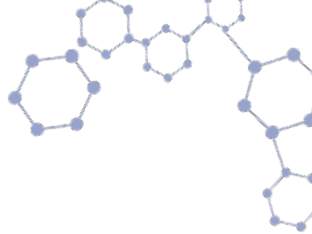
k': 1.65

α : 1.45

Reference: 60

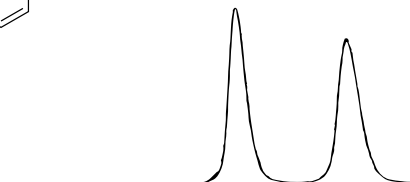
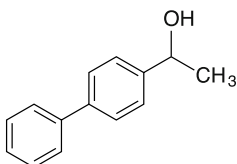
Catalog #: 1-787100-300





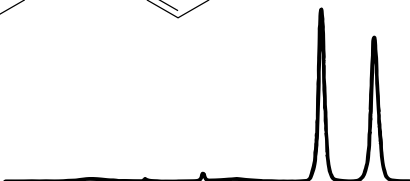
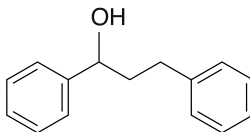
1-[(4-Phenyl) phenyl] Ethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
Run Time: 8.5 min
k': 3.76
 α : 1.21
Reference: 60
Catalog #: 1-787100-300



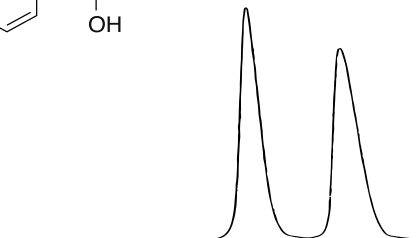
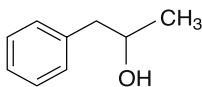
Phenyl phenylethyl carbinol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Heptane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 215 nm
Run Time: 9.5 min
k': 1.81
 α : 1.30
Reference: 48
Catalog #: 1-787100-300



1-Phenyl-2-propanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 6.5 min
k': 1.72
 α : 1.19
Reference: 60
Catalog #: 1-787100-300



Phenyl Propyl Carbinol

Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%
Hexane

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

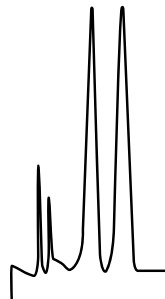
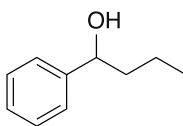
Run Time: 12 min

k': 2.25

α : 1.56

Reference: 46

Catalog #: 1-787200-300



2-Phenylpropionic Acid

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (92/8)

Hexane/IPA + 0.1% TFA

Flow Rate: 1.5 mL/min

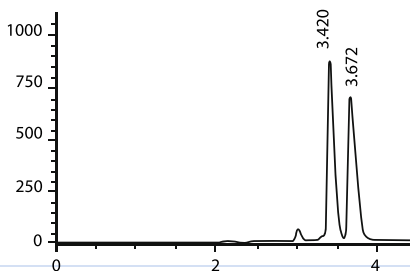
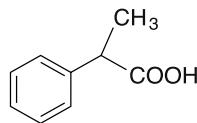
Detection: UV 254 nm

k': 0.80

α : 1.17

CAS #: 492-37-5

Catalog #: 1-783104-300



Phenylsuccinic Acid

Column: (S,S) ULMO,
5 μm , 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

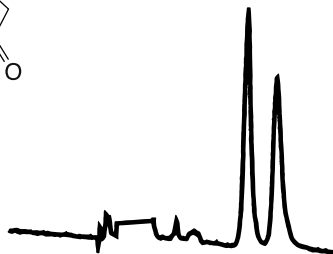
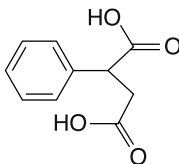
Run Time: 8.5 min

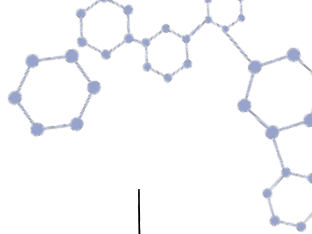
k': 1.71

α : 1.22

Reference: 48

Catalog #: 1-787100-300





Phenyl Tribromomethyl Carbinol

Column: (R,R) ULMO.

5 μm , 25 cm x 4.6 mm

Mobile Phase: (99/1)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

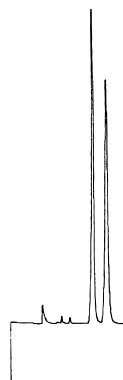
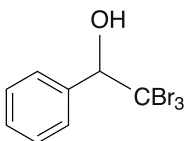
Run Time: 9 min

k': 1.87

α : 1.25

Reference: 46

Catalog #: 1-787200-300



Secondary Phosphine Oxide

Column: (S,S) DACH-DNB,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)

CH_2Cl_2 /IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

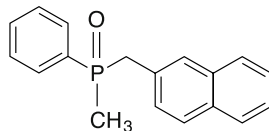
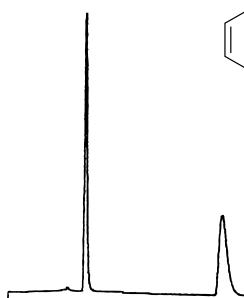
Run Time: 19.0 min

k': 1.49

α : 4.11

Reference: 59

Catalog #: 1-788201-300



Secondary Phosphine Oxide

Column: (S,S) DACH-DNB,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

CH_2Cl_2 /IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

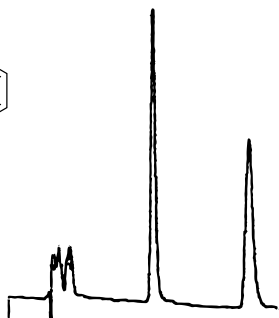
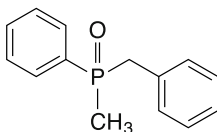
Run Time: 14.5 min

k': 2.20

α : 1.97

Reference: 59

Catalog #: 1-788201-300



Secondary Phosphine Oxide

Column: (S,S) DACH-DNB,
5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)
CH₂Cl₂/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

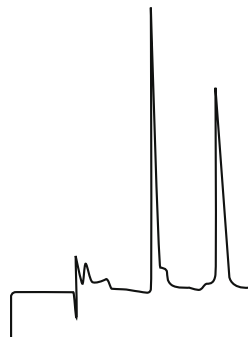
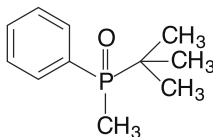
Run Time: 8.0 min

k': 1.23

α' : 1.81

Reference: 59

Catalog #: 1-788201-300



Tertiary Phosphine Oxide

Column: (R,R) DACH-DNB,
5 μ m, 25 cm x 4.6 mm

Mobile Phase: (37.5/37.5/25)
Hex/Dioxane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

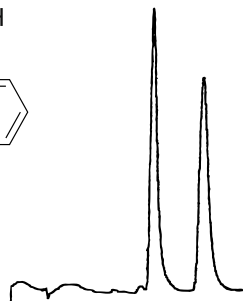
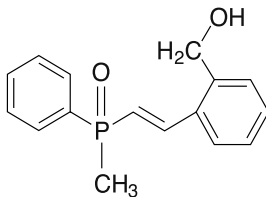
Run Time: 14.0 min

k': 2.19

α : 1.48

Reference: 59

Catalog #: 1-788101-300



Tertiary Phosphine Oxide

Column: (R,R) DACH-DNB,
5 μ m, 25 cm x 4.6 mm

Mobile Phase: (42.5/42.5/15)
Hexane/Dioxane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

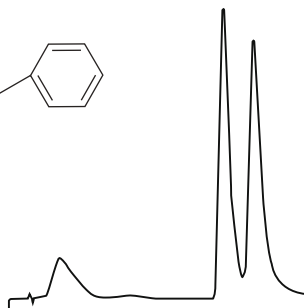
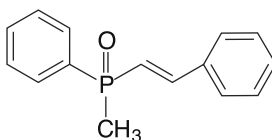
Run Time: 28.0 min

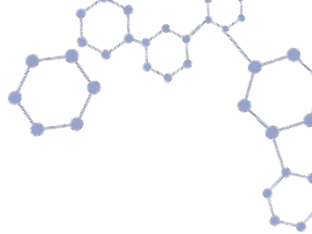
k': 8.11

α' : 1.17

Reference: 59

Catalog #: 1-788101-300





Tertiary Phosphine Oxide

Column: (R,R) DACH-DNB,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (40/40/20)
Hexane/Dioxane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

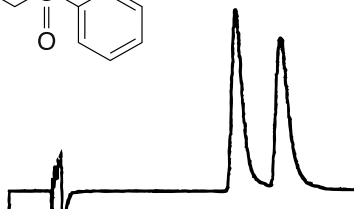
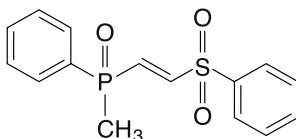
Run Time: 14.0 min

k': 4.19

α : 1.25

Reference: 59

Catalog #: 1-788101-300



Phosphine Selenium Oxide

Column: (S,S) DACH-DNB,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
Hexane/ CH_2Cl_2

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

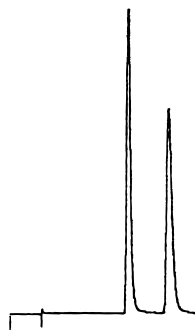
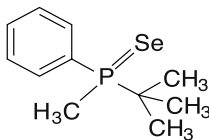
Run Time: 13.0 min

k': 2.49

α : 1.48

Reference: 59

Catalog #: 1-788201-300



Pindolol

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

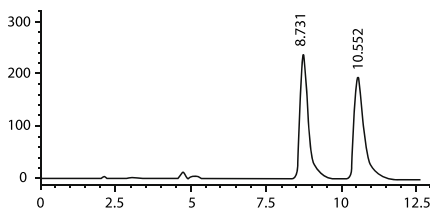
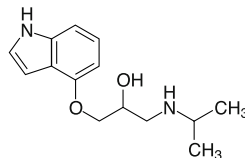
Detection: UV 254 nm

k': 3.60

α : 1.27

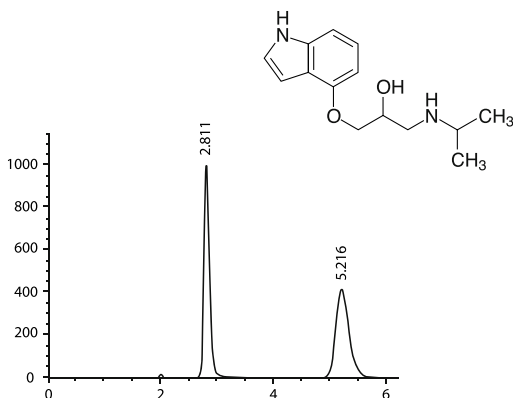
CAS #: 13523-86-9

Catalog #: 1-783104-300



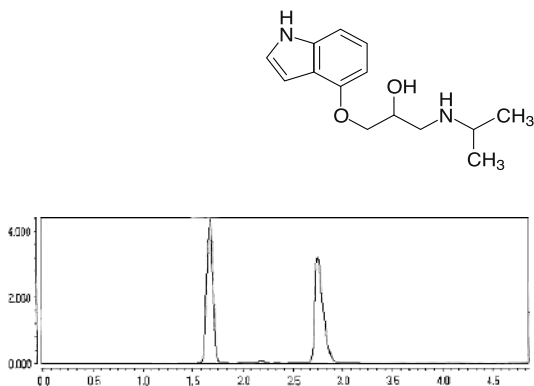
Pindolol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.48
 α : 3.64
CAS #: 13523-86-9
Catalog #: 1-784104-300



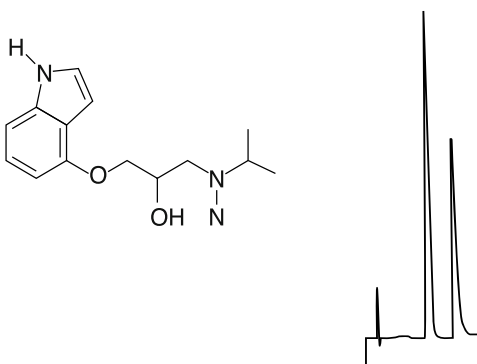
Pindolol

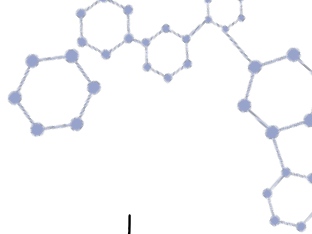
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.24
 α : 2.15
Catalog #: 1-784104-300



Pindolol

Column: α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 $\text{CH}_2\text{Cl}_2/\text{EtOH}$
+ 20mM NH_4OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 20 min
Reference: 33
k': 4.35
 α : 1.50
Catalog #: 1-735035-300,
1-735037-300





Pindolol

Column: (3R,4S)-Pirkle 1-J,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
 CH_2Cl_2 /Ethanol + 0.04M
Ammonium Acetate

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

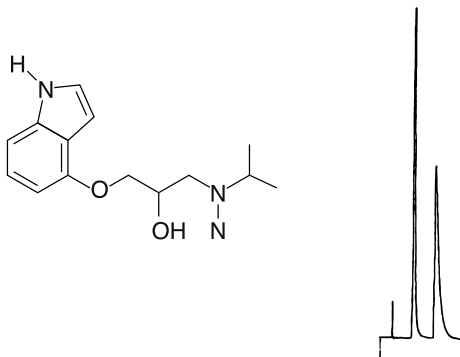
Run Time: 11.0 min

k': 1.56

α : 2.06

Reference: 46

Catalog #: 1-731044-300



Pirprofen

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/IPA
+ 1g/L NH_4OAc

Flow Rate: 2.0 mL/min

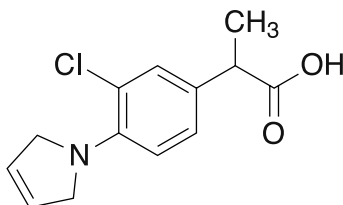
Detection: UV 254 nm

k': 0.85

α : 1.81

Reference: 4

Catalog #: 1-780101-300,
1-780201-300



PPO Inhibitor

Column: Whelk-O 1,
5 μm , 25 cm x 4.6mm

Mobile Phase: (90/10)
Hexane/IPA

Flow Rate: 2.0 mL/min

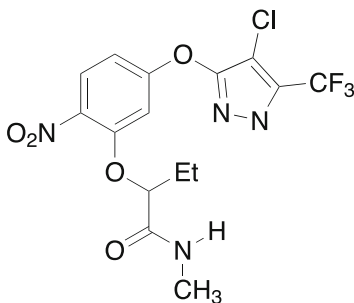
Detection: UV 254 nm

k': 5.2

α : 1.32

Reference: 23

Catalog #: 1-780101-300,
1-780201-300



PPO Inhibitor

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA

Flow Rate: 2.0 mL/min

Detection: UV 254 nm

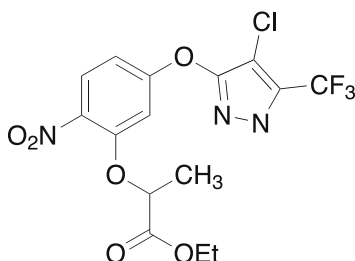
k': 3.2

α : 1.08

Reference: 23

Catalog #: 1-780101-300,

1-780201-300



PPO Inhibitor

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA

Flow Rate: 2.0 mL/min

Detection: UV 254 nm

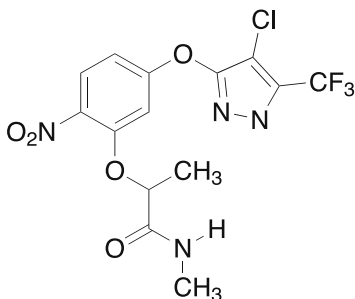
k': 7.5

α : 1.29

Reference: 23

Catalog #: 1-780101-300,

1-780201-300



PPO Inhibitor

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA

Flow Rate: 2.0 mL/min

Detection: UV 254 nm

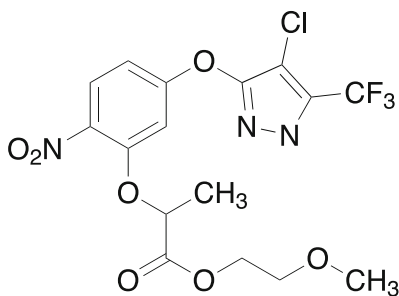
k': 6.1

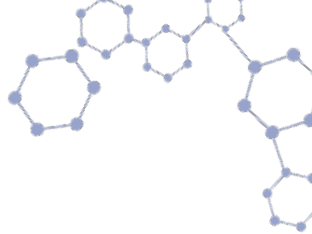
α : 1.08

Reference: 23

Catalog #: 1-780101-300,

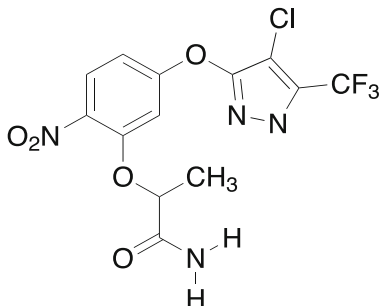
1-780201-300





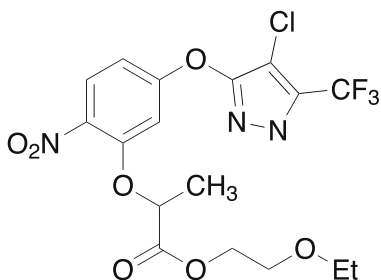
PPO Inhibitor

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 8.0
 α : 1.22
Reference: 23
Catalog #: 1-780101-300,
1-780201-300



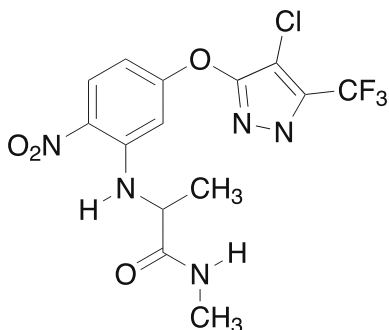
PPO Inhibitor

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10) Hexane/
IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 4.2
 α : 1.10
Reference: 23
Catalog #: 1-780101-300,
1-780201-300



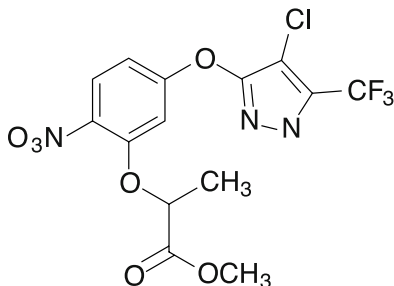
PPO Inhibitor

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 15.1
 α : 1.04
Reference: 23
Catalog #: 1-780101-300,
1-780201-300



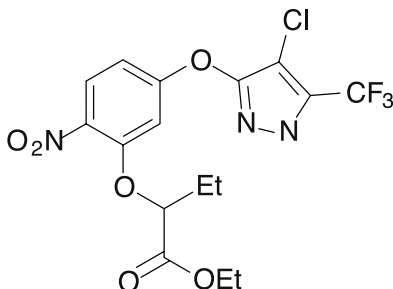
PPO Inhibitor

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 3.9
 α : 1.11
Reference: 23
Catalog #: 1-780101-300,
1-780201-300



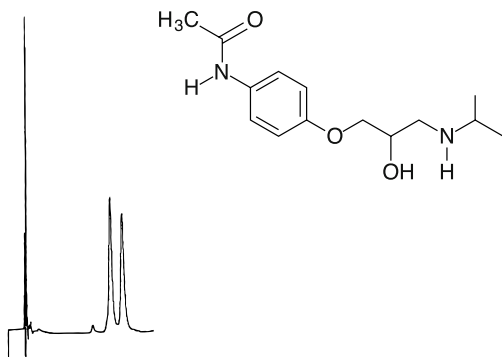
PPO Inhibitor

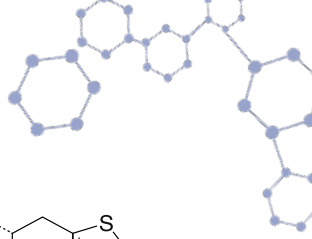
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 2.4
 α : 1.12
Reference: 23
Catalog #: 1-780101-300,
1-780201-300



Practolol

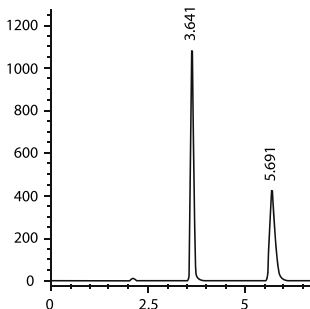
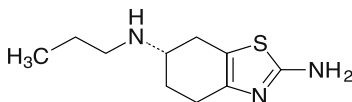
Column: α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/10/5)
 $\text{CH}_2\text{Cl}_2/\text{EtOH}/\text{MeOH}$
15 mM NH_4OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 19 min
k': 4.78
 α : 1.14
Reference: 33
Catalog #: 1-735035-300,
1-735037-300





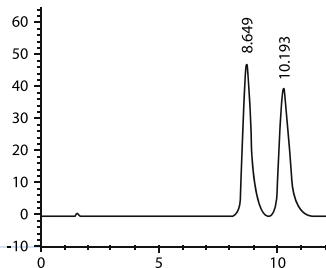
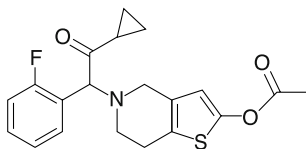
Pramipexole

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.89
 α : 2.19
CAS #: 104632-26-0
Catalog #: 1-783104-300



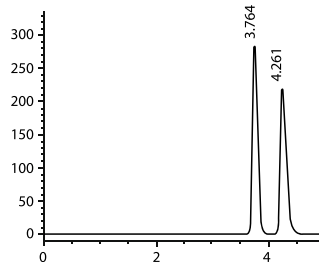
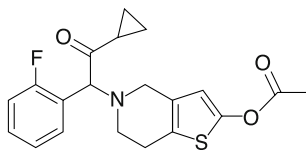
Prasugrel

Column: Whelk O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 4.96
 α : 1.22
CAS #: 150322-43-3
Catalog #: 1-780101-300,
1-780201-300



Prasugrel

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.95
 α : 1.27
CAS #: 150322-43-3
Catalog #: 1-783104-300



Prasugrel

Column: RegisPack CLA- 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (92/8)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

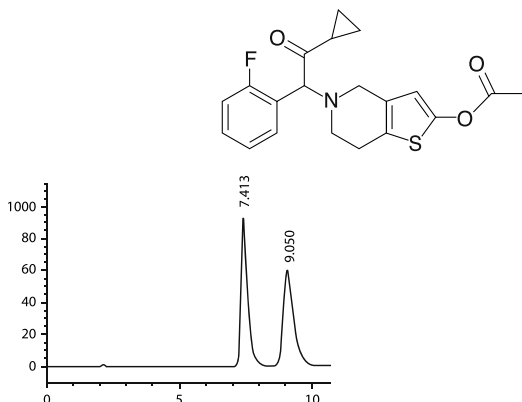
Detection: UV 254 nm

k': 2.84

α : 1.30

CAS #: 150322-43-3

Catalog #: 1-793104-300



Praziquantel

Column: (R,R) Whelk-O 1,

10 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

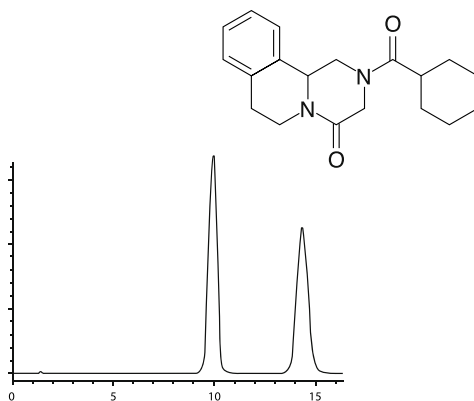
Flow Rate: 2.0 mL/min

Detection: UV 220 nm

k': 6.28

α : 1.52

Catalog #: 1-786515-300



Praziquantel

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)

$\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

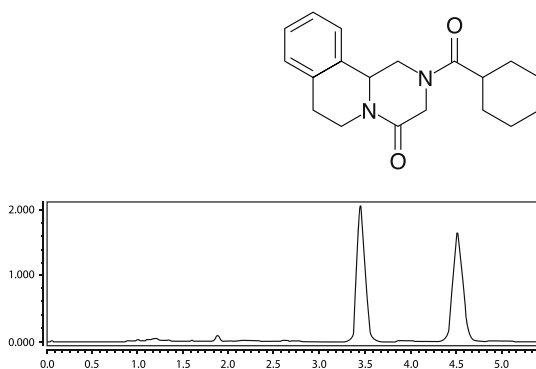
Temperature: 40°C

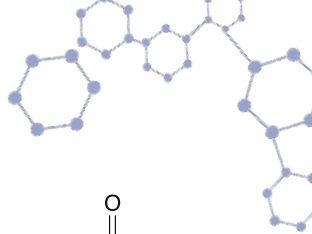
Detection: UV 220 nm

k': 3.61

α : 1.49

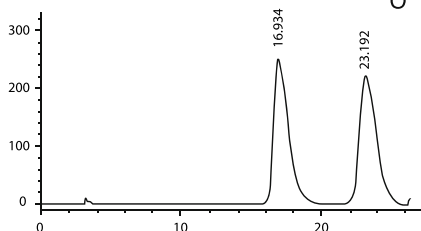
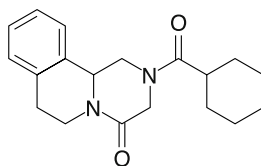
Catalog #: 1-780101-300





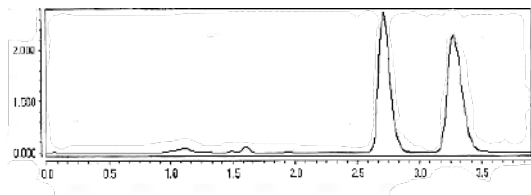
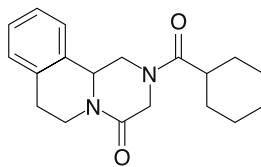
Praziquantel

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.34
 α : 1.91
CAS #: 55268-74-1
Catalog #: 1-783104-300



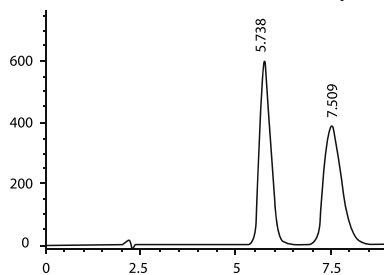
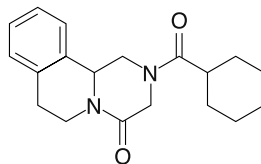
Praziquantel

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 CO_2 /IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k': 2.61
 α : 1.29
Catalog #: 1-783104-300



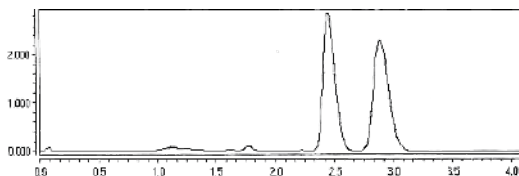
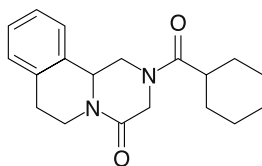
Praziquantel

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (65/35)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
Run Time:
k': 2.02
 α : 1.46
CAS #: 55268-74-1
Catalog #: 1-784104-300



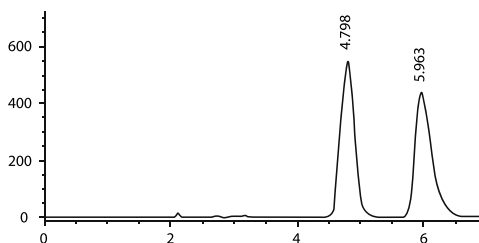
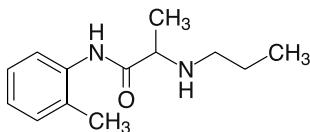
Praziquantel

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
CO₂/IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 126 bar
Detection: UV 220 nm
k': 2.26
 α : 1.27
Catalog #: 1-784104-300



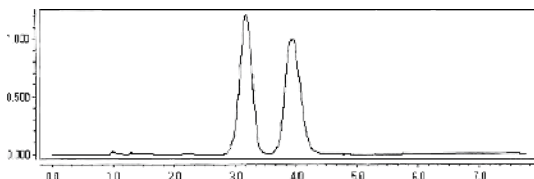
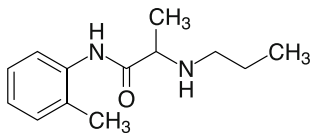
Prilocaine

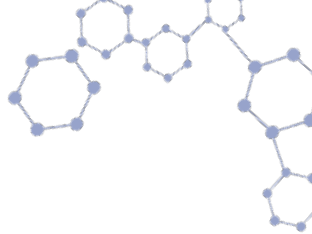
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.53
 α : 1.40
CAS #: 721-50-6
Catalog #: 1-784104-300



Prilocaine

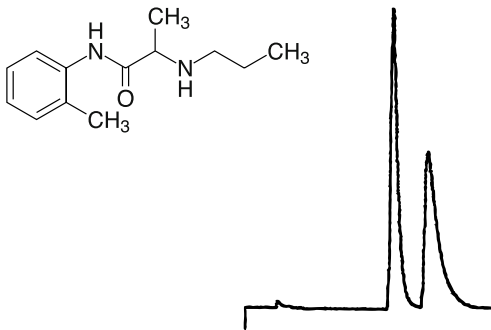
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
CO₂/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 3.26
 α : 1.31
Catalog #: 1-784104-300





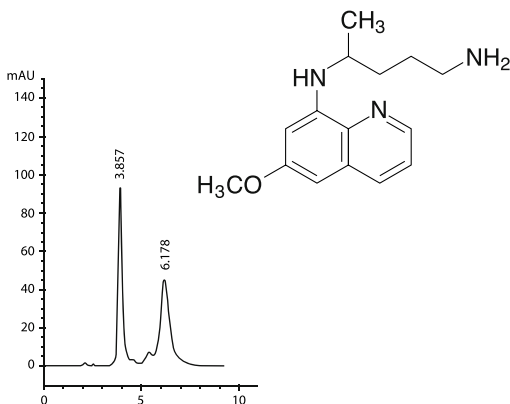
Prilocaine

Column: (S,S) ULMO,
5 μ m, 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': 5.70
 α : 1.28
Reference: 46
Catalog #: 1-787100-300



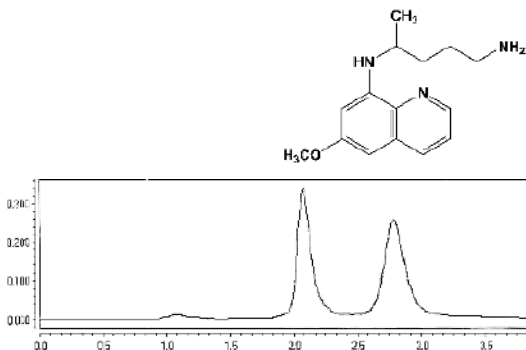
Primaquine

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol+ 0.1% DEA
+ 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.03
 α : 2.19
CAS #: 90-34-6
Catalog #: 1-784104-300



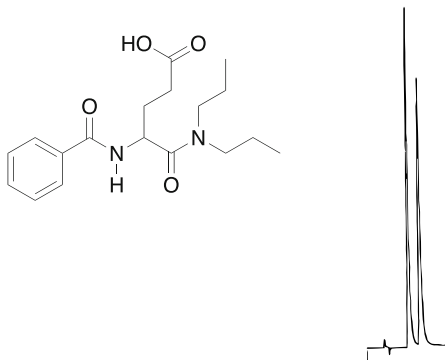
Primaquine

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (75/25)
CO₂/Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.77
 α : 1.53
Catalog #: 1-784104-300



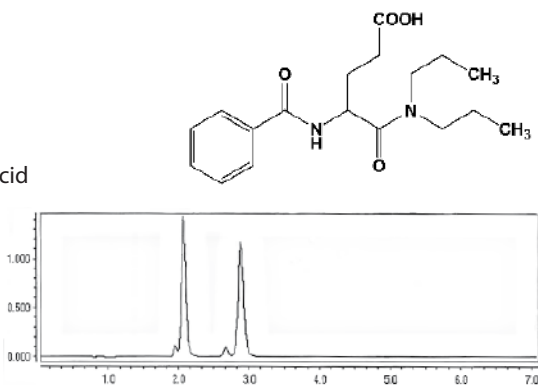
Proglumide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
Hexane/IPA + 0.1% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10 min
k': 1.54
 α : 1.49
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



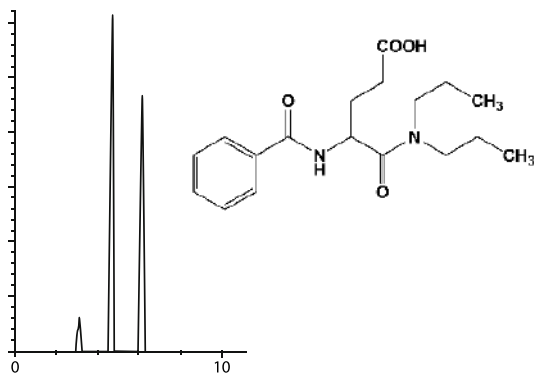
Proglumide

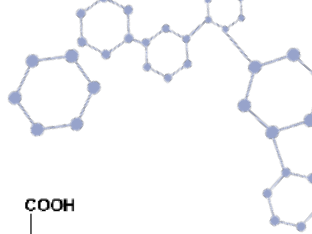
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
 CO_2 /Ethanol + 0.5% Acetic Acid
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.77
 α : 1.61
Catalog #: 1-780101-300



Proglumide

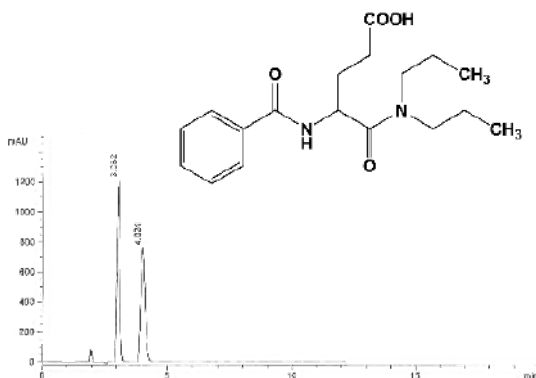
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1%TFA
Flow Rate: 1.0 mL/min
Detection: UV 245 nm
k': 0.55
 α : 1.88
Catalog #: 1-784104-300





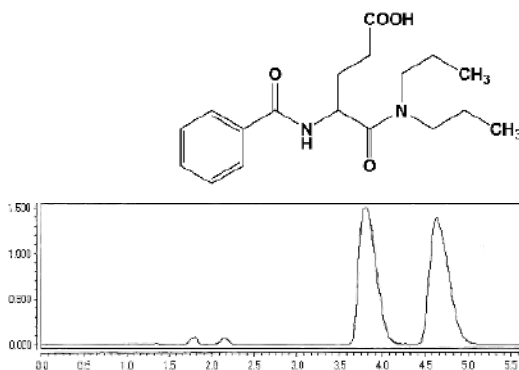
Proglumide

Column: RegisCell,
3 μm , 15 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1 TFA
Flow Rate: 1.0 mL/min
Detection: UV 245 nm
k': 0.76
 α : 1.74
Catalog #: 1-784504-300



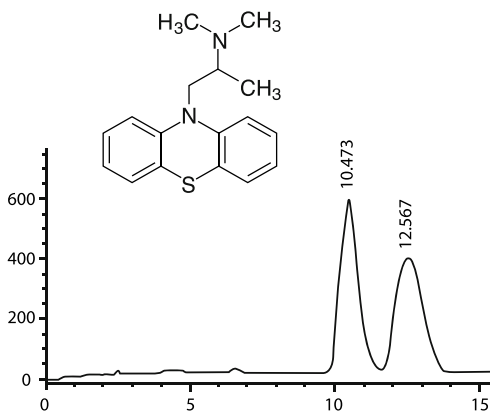
Proglumide

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (94/6)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 245 nm
k': 4.08
 α : 1.27
Catalog #: 1-784104-300



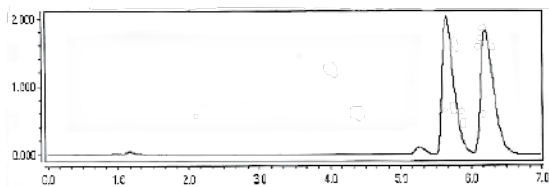
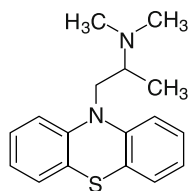
Promethazine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99.5/5)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 12.0 min
k': 4.56
 α : 1.24
CAS #: 60-87-7
Catalog #: 1-783104-300



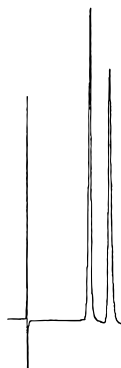
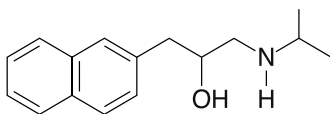
Promethazine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
CO₂/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 6.53
 α : 1.11
Catalog #: 1-783104-300



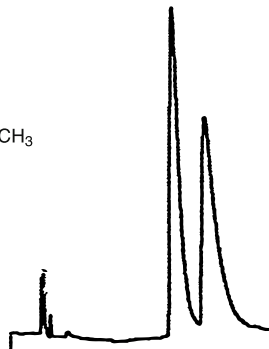
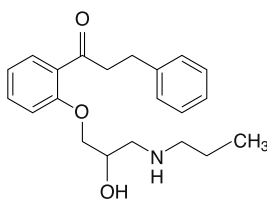
Pronethalol

Column: α -Burke 2,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
CH₂Cl₂/EtOH
15 mM NH₄OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 3.26
 α : 1.31
Reference: 33
Catalog #: 1-735035-300, 1-735037-300



Propafenone

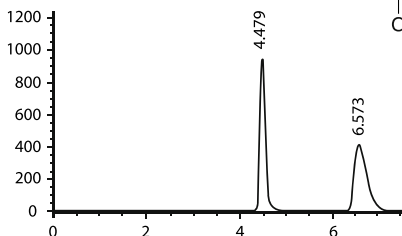
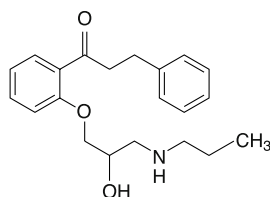
Column: (R,R) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (47/47/6)
CH₂Cl₂/Hexane/
Ethanol + 0.01 M
Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 11.0 min
k': 3.99
 α : 1.25
Reference: 46
Catalog #: 1-780201-300





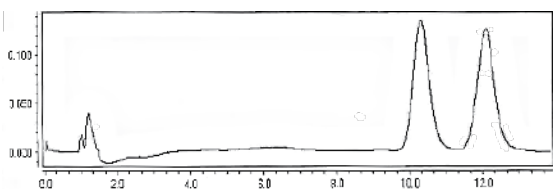
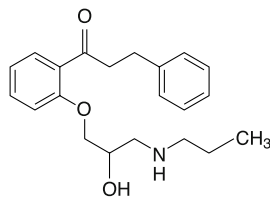
Propafenone

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: 100%
Methanol + 0.1% DEA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.54
 α : 2.33
CAS #: 54063-53-5
Catalog #: 1-783104-300



Propafenone

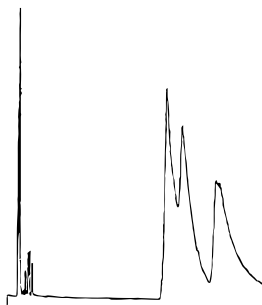
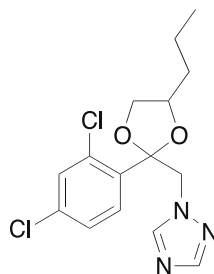
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
CO₂/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 12.77
 α : 1.19
Catalog #: 1-783104-300



Propiconazole, Tilt

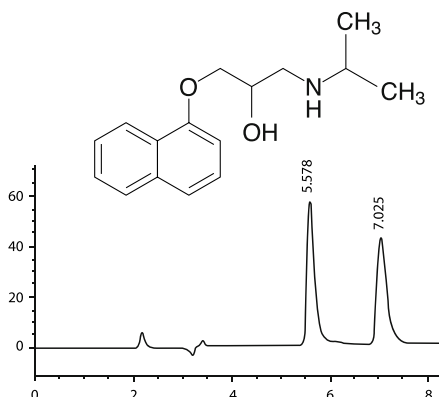
Fungicide

Column: Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA + 0/1% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 70 min
Reference: 43
Catalog #: 1-780101-300,
1-780201-300



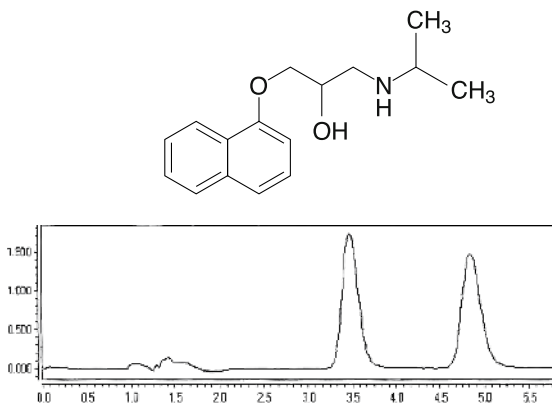
Propranolol

Column: RegisPack
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.94
 α : 1.39
CAS #: 525-66-6
Catalog #: 1-783104-300



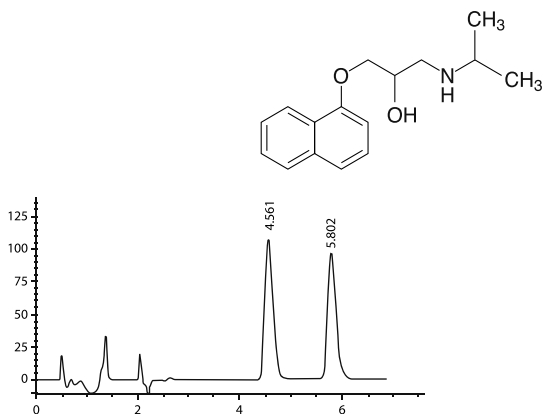
Propranolol

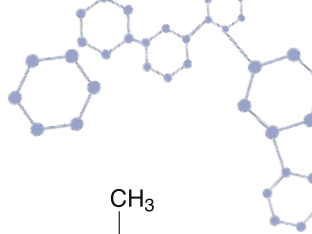
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.62
 α : 1.51
Catalog #: 1-783104-300



Propranolol

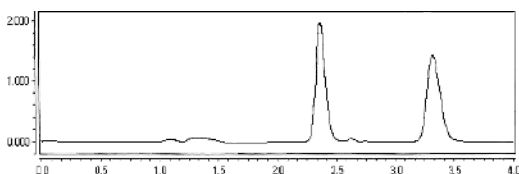
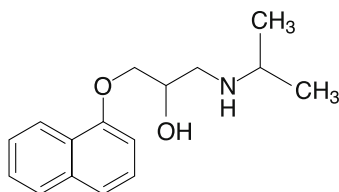
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol
+0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.40
 α : 1.47
CAS #: 525-66-6
Catalog #: 1-784104-300





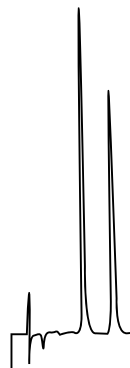
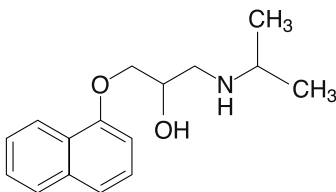
Propranolol

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.14
 α : 1.60
Catalog #: 1-784104-300



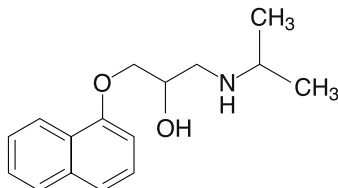
Propranolol

Column: α -Burke 2,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 $\text{CH}_2\text{Cl}_2/\text{EtOH}$
15mM NH_4OAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 16 min
Reference: 33
k': 2.04
 α : 1.52
Catalog #: 1-735035-300, 1-735037-300



Propranolol

Column: (3R,4S) Pirkle 1-J,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CH}_2\text{Cl}_2/\text{Ethanol}$ + 0.04M
Ammonium Acetate
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 6.5 min
k': 0.80
 α : 1.80
Reference: 46
Catalog #: 1-731044-300



Pyranoquinolones

2-amino-4-(4-hydroxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%

Methanol

Flow Rate: 1.5 mL/min

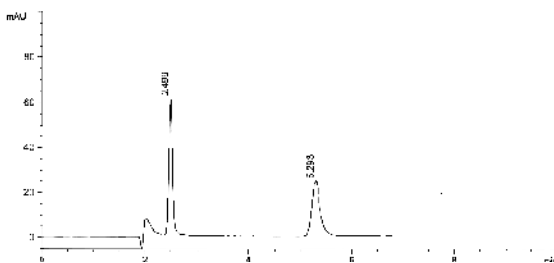
Detection: UV 220 nm

k'₁: 0.32

k'₂: 1.79

α : 5.59

Catalog #: 1-780101-300



Pyranoquinolones

2-amino-4-(4-hydroxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40) CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

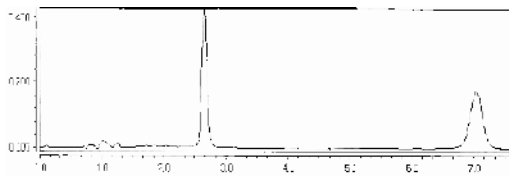
Detection: UV 220 nm

k'₁: 2.55

k'₂: 8.37

α : 3.28

Catalog #: 1-780101-300, 1-780201-300



Pyranoquinolones

2-amino-4-(4-hydroxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

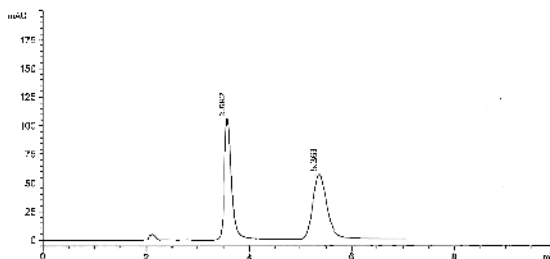
Detection: UV 220 nm

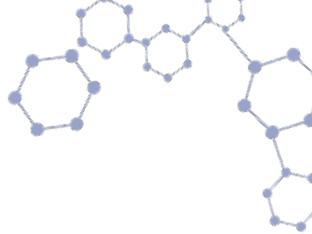
k'₁: 0.89

k'₂: 1.82

α : 2.04

Catalog #: 1-783104-300





Pyranoquinolones

2-amino-4-(4-hydroxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (75/25) CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

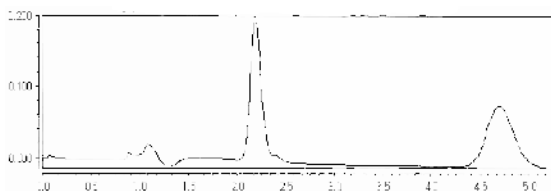
Detection: UV 220 nm

k'₁: 1.92

k'₂: 5.27

α : 2.74

Catalog #: 1-783104-300



Pyranoquinolones

2-amino-4-(4-hydroxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/IPA

Flow Rate: 1.5 mL/min

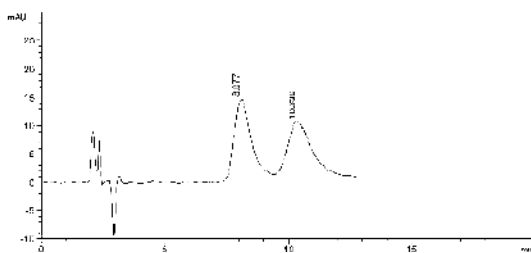
Detection: UV 220 nm

k'₁: 3.25

k'₂: 4.44

α : 1.37

Catalog #: 1-784104-300



Pyranoquinolones

2-amino-4-(4-hydroxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisCell, 5 μ m, 25cm x 4.6mm

Mobile Phase: (75/25) CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

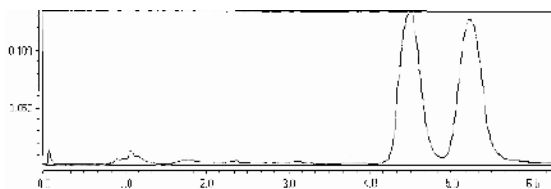
Detection: UV 220 nm

k'₁: 5.01

k'₂: 5.97

α : 1.19

Catalog #: 1-784104-300



Pyranoquinolones

2-amino-4-(4-methoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: 100% Methanol

Flow Rate: 1.5 mL/min

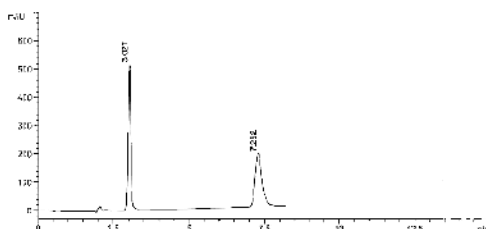
Detection: UV 220 nm

k': 0.59

k'2: 2.84

α : 4.81

Catalog #: 1-780101-300



Pyranoquinolones

2-amino-4-(4-methoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

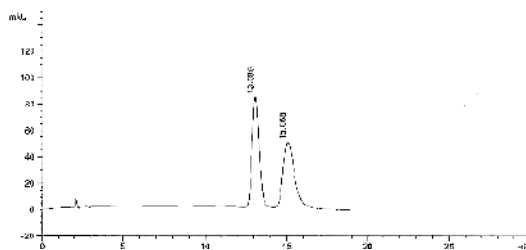
Detection: UV 220 nm

k': 5.89

k'2: 6.93

α : 1.18

Catalog #: 1-783104-300



Pyranoquinolones

2-amino-4-(3,4-difluorophenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: 100%

Methanol

Flow Rate: 1.5 mL/min

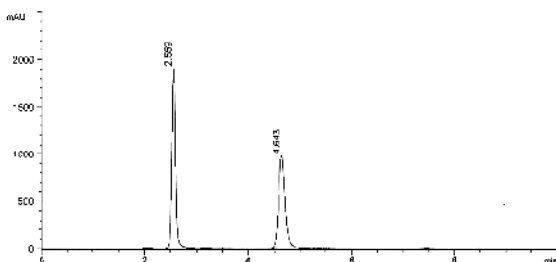
Detection: UV 220 nm

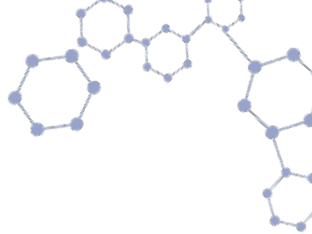
k': 0.35

k'2: 1.44

α : 4.11

Catalog #: 1-780101-300





Pyranoquinolones

2-amino-4-(3,4-difluorophenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40) $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

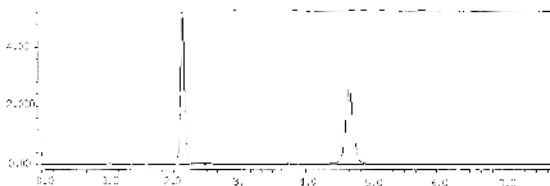
Detection: UV 220 nm

k': 1.85

k': 5.23

α : 2.83

Catalog #: 1-780101-300



Pyranoquinolones

2-amino-4-(3,4-difluorophenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

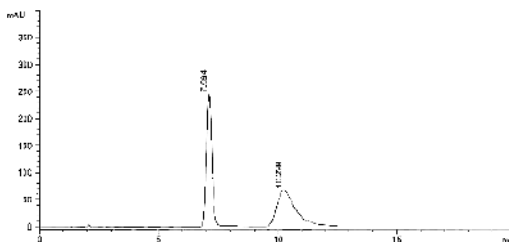
Detection: UV 220 nm

k': 2.73

k': 4.39

α : 1.61

Catalog #: 1-783104-300



Pyranoquinolones

2-amino-4-(3,4-difluorophenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30) $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

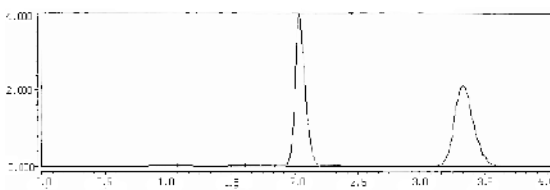
Detection: UV 220 nm

k': 1.72

k': 3.45

α : 2.01

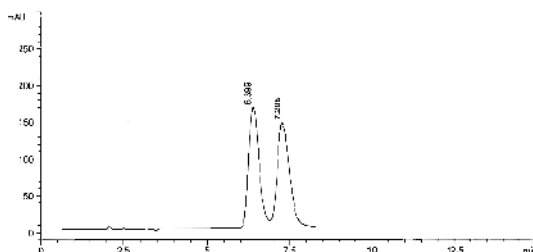
Catalog #: 1-784104-300



Pyranoquinolones

2-amino-4-(3,4-difluorophenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

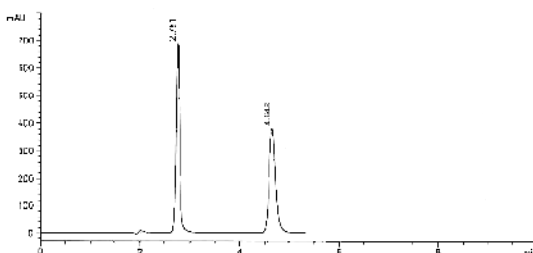
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.37
k': 2.83
 α : 1.19
Catalog #: 1-784104-300



Pyranoquinolones

2-amino-4-(2,3-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

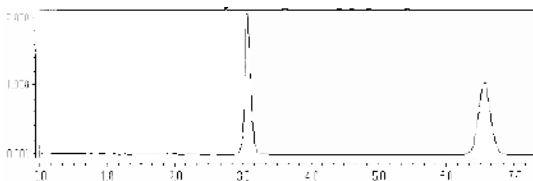
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Methanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 0.45
k': 1.45
 α : 3.22
Catalog #: 1-780101-300

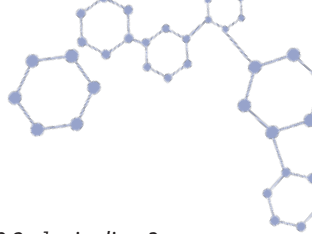


Pyranoquinolones

2-amino-4-(2,3-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: Whelk-O 1, 5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40) CO₂/CH₃OH
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.11
k': 7.76
 α : 2.50
Catalog #: 1-780101-300

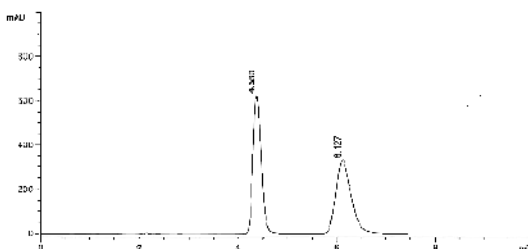




Pyranoquinolones

2-amino-4-(2,3-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

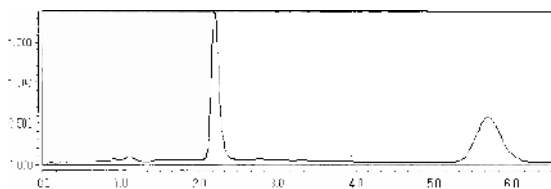
Column: RegisPack,
5 μ m, 25cm x 4.6mm
Mobile Phase: (60/40)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 1.31
k'₂: 2.22
 α : 1.69
Catalog #: 1-783104-300



Pyranoquinolones

2-amino-4-(2,3-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

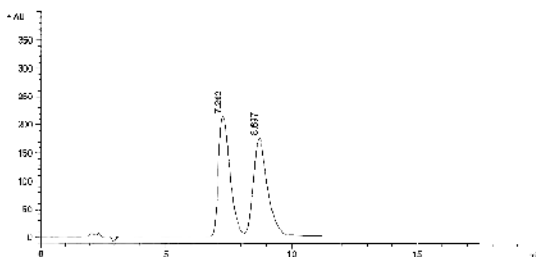
Column: RegisPack, 5 μ m, 25 cm x 4.6 mm
Mobile Phase: (60/40) CO₂/CH₃OH
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k'₁: 1.95
k'₂: 6.60
 α : 3.38
Catalog #: 1-783104-300



Pyranoquinolones

2-amino-4-(2,3-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisCell,
5 μ m, 25cm x 4.6mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 2.82
k'₂: 3.58
 α : 1.27
Catalog #: 1-784104-300



Pyranoquinolones

2-amino-4-(2,5-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%

Methanol

Flow Rate: 1.5 mL/min

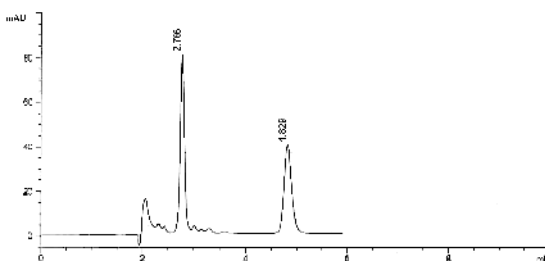
Detection: UV 220 nm

k': 0.46

k': 1.54

α : 3.35

Catalog #: 1-780101-300



Pyranoquinolones

2-amino-4-(2,5-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40) $\text{CO}_2/\text{CH}_3\text{OH}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

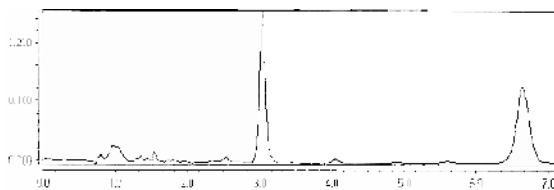
Detection: UV 220 nm

k': 3.05

k': 7.87

α : 2.58

Catalog #: 1-780101-300



Pyranoquinolones

2-amino-4-(2,5-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack, 5 μm ,
25cm x 4.6mm

Mobile Phase: (60/40)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

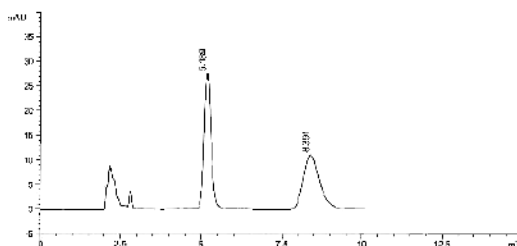
Detection: UV 220 nm

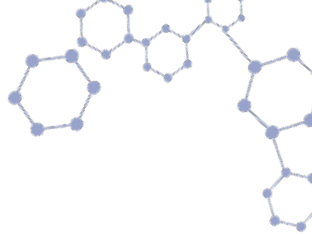
k': 1.73

k': 3.42

α : 1.98

Catalog #: 1-780101-300





Pyranoquinolones

2-amino-4-(2,5-dimethoxyphenyl)-5-oxo-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (60/40) CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

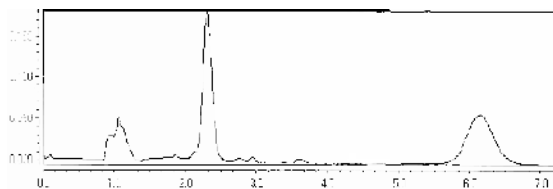
Detection: UV 220 nm

k': 2.09

k': 7.19

α : 3.44

Catalog #: 1-783104-300



Pyranoquinolones

2-amino-5-oxo-4-[4-(trifluoromethyl)phenyl]-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: 100%

Methanol

Flow Rate: 1.5 mL/min

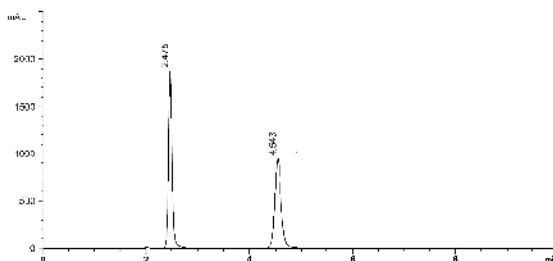
Detection: UV 220 nm

k': 0.30

k': 1.39

α : 4.63

Catalog #: 1-780101-300



Pyranoquinolones

2-amino-5-oxo-4-[4-(trifluoromethyl)phenyl]-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

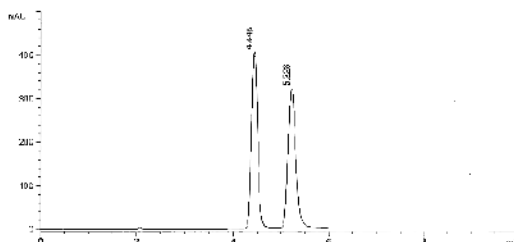
Detection: UV 220 nm

k': 1.34

k': 1.75

α : 1.31

Catalog #: 1-783104-300



Pyranoquinolones

2-amino-5-oxo-4-[4-(trifluoromethyl)phenyl]-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30) CO₂/CH₃OH

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 126 bar

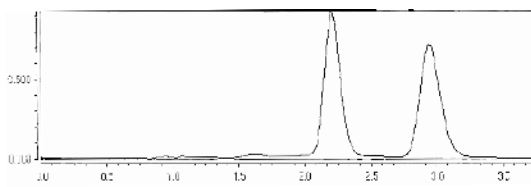
Detection: UV 220 nm

k': 1.95

k': 2.92

α : 1.50

Catalog #: 1-783104-300



Pyranoquinolones

2-amino-5-oxo-4-[4-(trifluoromethyl)phenyl]-5,6-dihydro-4H-pyrano[3,2-c]quinoline-3-carbonitrile

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA

Flow Rate: 1.5 mL/min

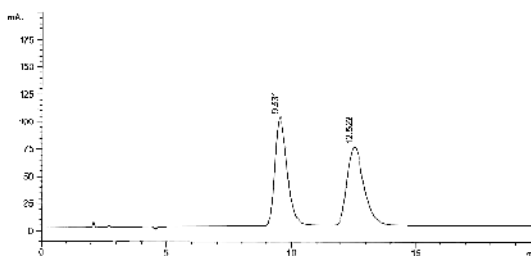
Detection: UV 220 nm

k': 4.02

k': 5.59

α : 1.39

Catalog #: 1-784104-300



DL-Pyridylalanine

Column: ChiroSil ME RCA(+),

5 μ m, 15 cm x 4.6 mm

Mobile Phase: (30/70)

0.01% Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

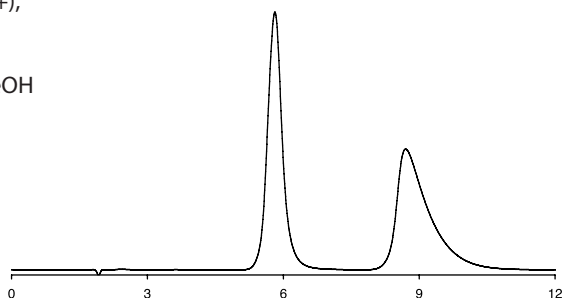
Detection: UV 210 nm

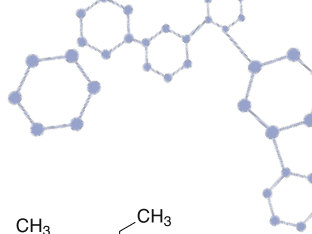
Temperature: 20°C

k': 2.03

α : 1.74

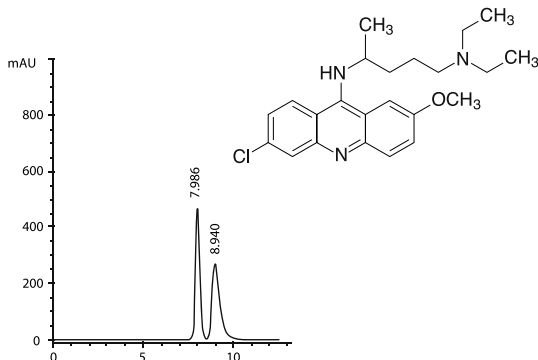
Catalog #: 1-788001-300





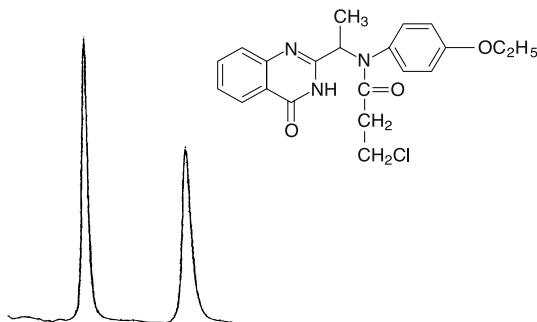
Quinacrine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (97/3)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 12.0 min
k': 3.20
 α : 1.16
CAS #: 83-89-6
Catalog #: 1-783104-300



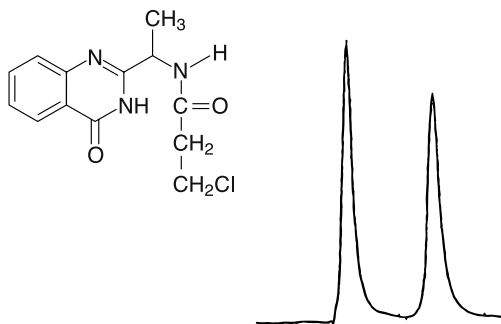
4(3H)-Quinazolone Derivatives

Column: (S,S) Whelk-O 1,
5 μ m, 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': 2.95
 α : 1.62
Reference: 58
Catalog #: 1-780101-300



4(3H)-Quinazolone Derivatives

Column: (S,S) Whelk-O 1,
5 μ m, 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': 3.19
 α : 1.37
Reference: 58
Catalog #: 1-780101-300



4(3H)-Quinazoline Derivatives

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 225 nm

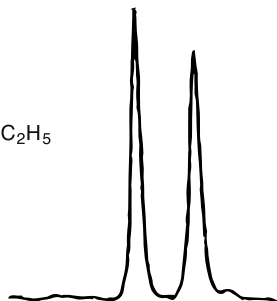
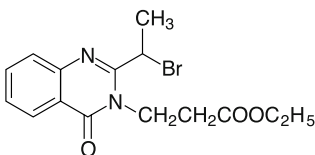
Run Time: 15.0 min

k': 3.54

α : 1.19

Reference: 58

Catalog #: 1-780101-300



4(3H)-Quinazoline Derivatives

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/Ethanol

Flow Rate: 1.0 mL/min

Detection: UV 225 nm

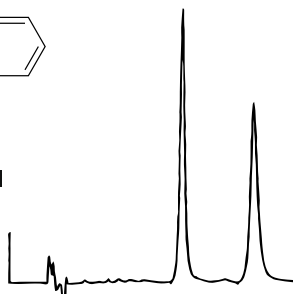
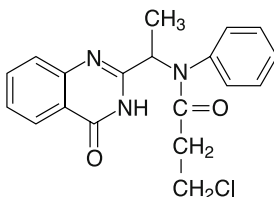
Run Time: 16.0 min

k': 2.88

α : 1.56

Reference: 58

Catalog #: 1-780101-300



4(3H)-Quinazoline Derivatives

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/Ethanol

Flow Rate: 1.0 mL/min

Detection: UV 225 nm

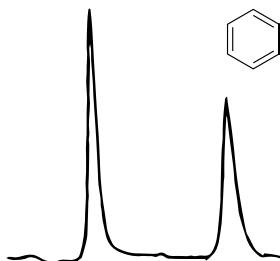
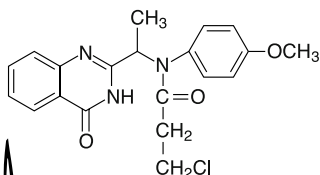
Run Time: 21.0 min

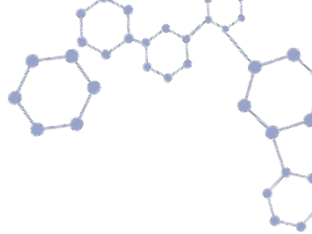
k': 3.75

α : 1.57

Reference: 58

Catalog #: 1-780101-300





Quizalofop-ethyl

Column: (R,R) DACH-DNB,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/IPA

Temperature: 20°C

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

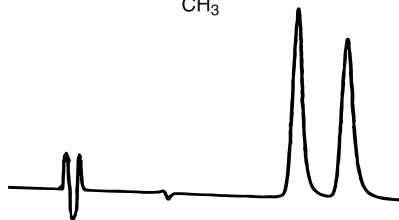
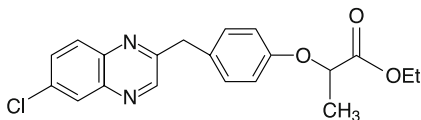
Run Time: 20.0 min

k': 5.22

α : 1.21

Reference: 59

Catalog #: 1-788101-300



Ranolazine

Column: (R,R) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)
Hexane/IPA + 35 mM
Ammonium Acetate

Flow Rate: 2.0 mL/min

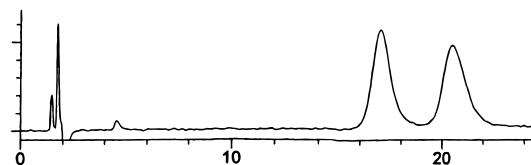
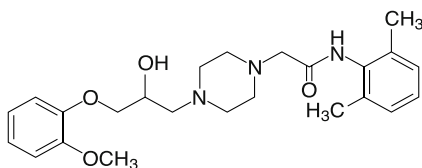
Detection: UV 220 nm

k': 11.51

α : 1.23

Reference: 46

Catalog #: 1-786515-300



Rasagiline Mesylate

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

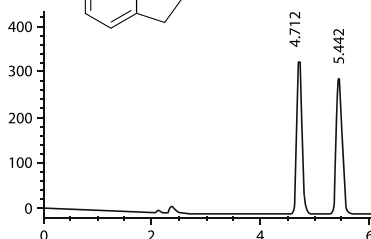
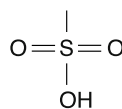
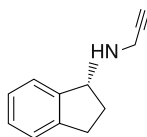
Detection: UV 210 nm

k': 1.44

α : 1.26

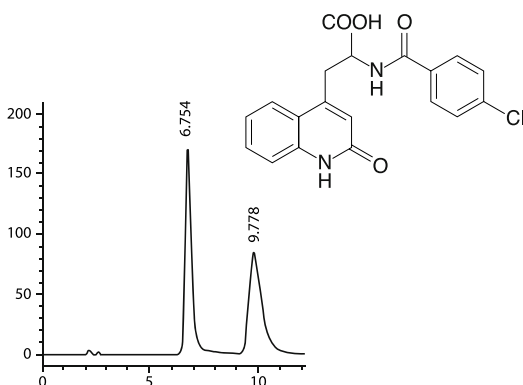
CAS #: 161735-79-1

Catalog #: 1-783104-300



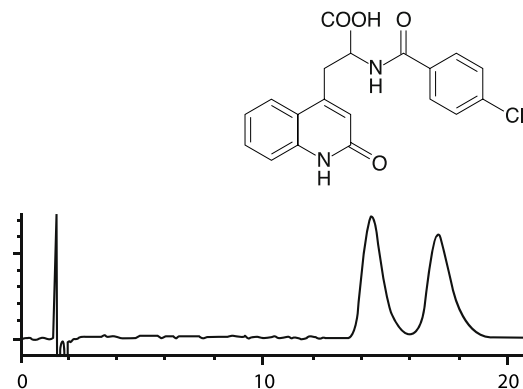
Rebamipide

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol + 0.1% DEA
+ 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.50
 α : 1.63
CAS #: 111911-87-6
Catalog #: 1-783104-300



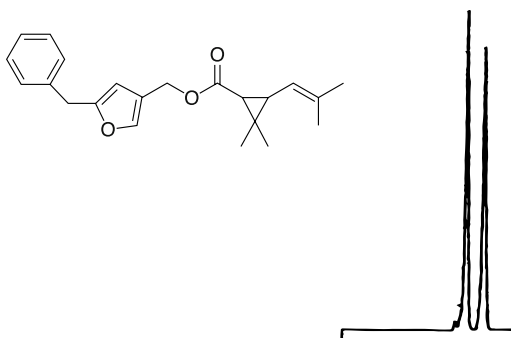
Rebamipide

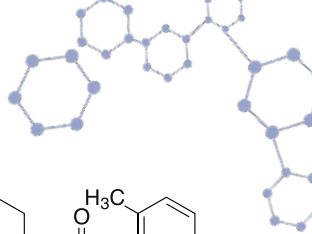
Column: (S,S) Whelk-O 2,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k': 9.64
 α : 1.21
Catalog #: 1-786447-300



Resmethrin

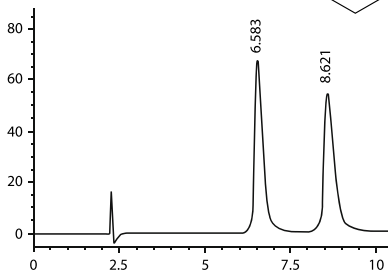
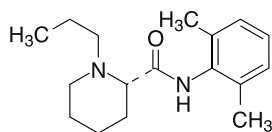
Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Hexane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15.0 min
k': 6.30
 α : 1.19
Reference: 46
Catalog #: 1-780201-300





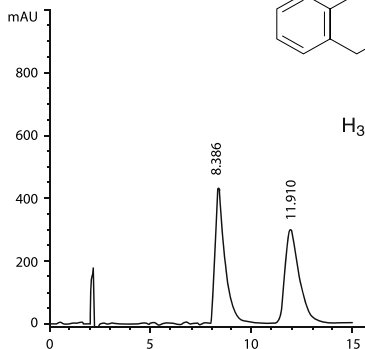
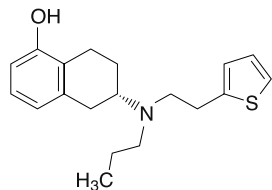
Ropivacaine

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.40
 α : 1.44
CAS #: 84057-95-4
Catalog #: 1-780101-300,
1-780201-300



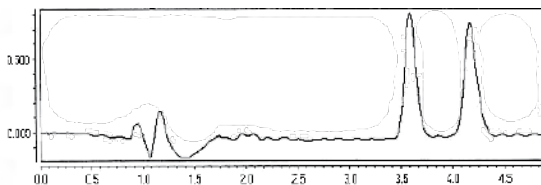
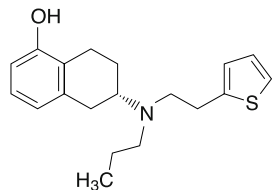
Rotigotine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 3.40
 α : 2.94
CAS #: 92206-54-7
Catalog #: 1-783104-300



Rotigotine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 CO_2 /Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 3.79
 α : 1.20
Catalog #: 1-783104-300



SC 41930

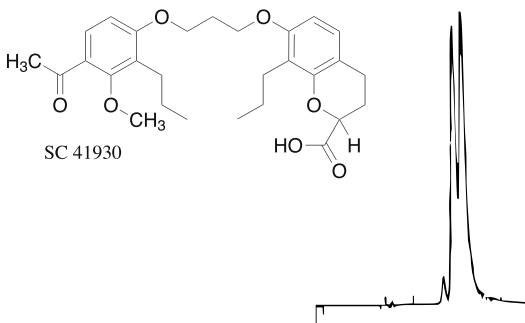
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA + 0.5% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 6 min

k': 1.05

α : 1.12

Reference: 7

Catalog #: 1-780101-300,
1-780201-300



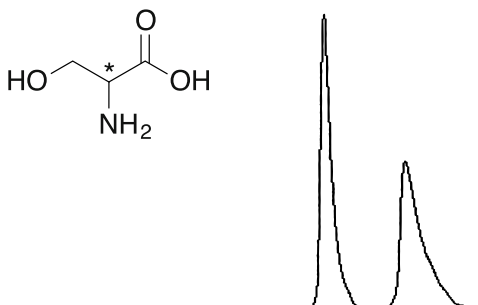
Serine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (84/16)
 $\text{CH}_3\text{OH}/\text{H}_2\text{O}$ + 5 mM HClO_4
Flow Rate: 0.8 mL/min
Detection: UV 210 nm
Run Time: 6.0 min

k': 1.37

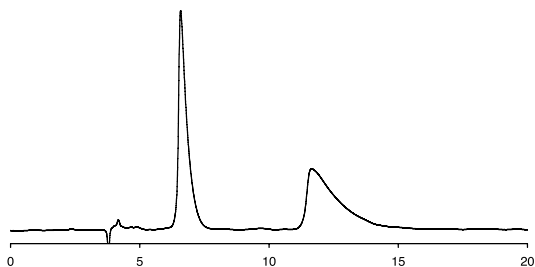
α : 1.99

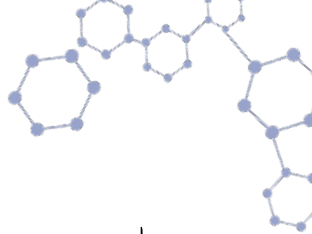
Catalog #: 1-799001-300,
1-799101-300



DL-Serine

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (50/50)
5 mM HClO_4 Acid/ MeOH
Flow Rate: 0.5 mL/min
Detection: UV 210 nm
Temperature: 20°C
k': 0.74
 α : 2.82
Rs: 5.87
Catalog #: 1-788001-300

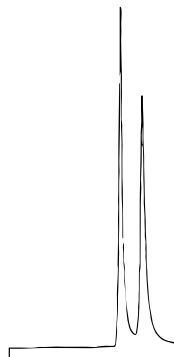
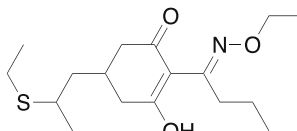




Sethoxydim

Herbicide

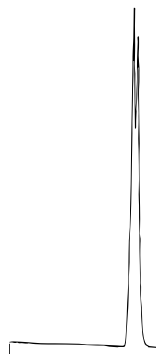
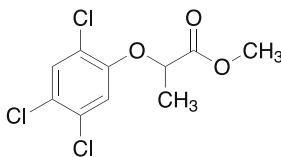
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98/2)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 6.77
 α : 1.26
Reference: 43
Catalog #: 1-783104-300



Silvex Methyl

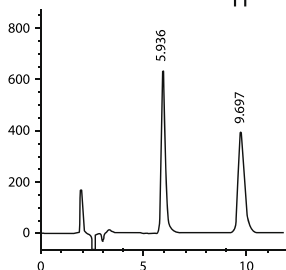
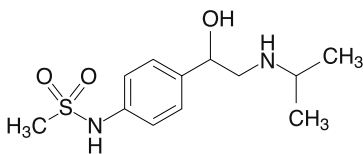
Herbicide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100% Hexane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 6.47
 α : 1.05
Reference: 43
Catalog #: 1-780101-300



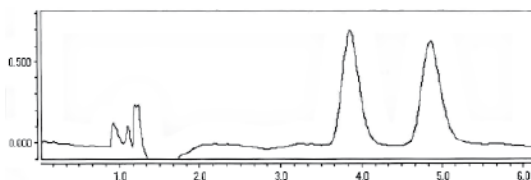
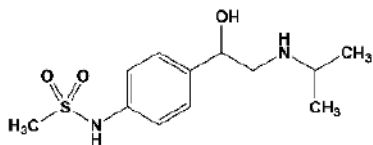
Sotalol

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.12
 α : 1.94
CAS #: 3930-20-9
Catalog #: 1-783104-300



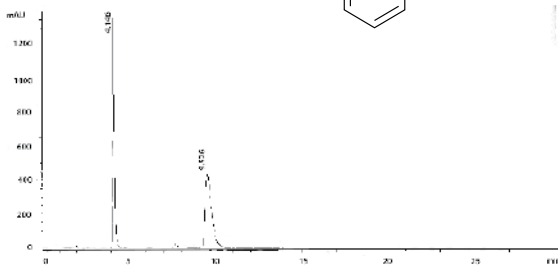
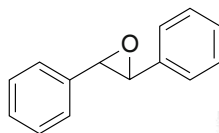
Sotalol

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
CO₂/Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 4.14
 α : 1.32
Catalog #: 1-783104-300



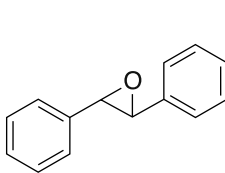
Stilbene Oxide

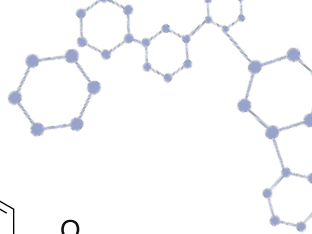
Column: (S,S) Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.15
 α : 3.42
Catalog #: 1-780101-300



Stilbene Oxide

Column: Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.45
 α : 2.00
Reference: 18
Catalog #: 1-780101-300,
1-780201-300





TSO (trans-Stilbene Oxide)

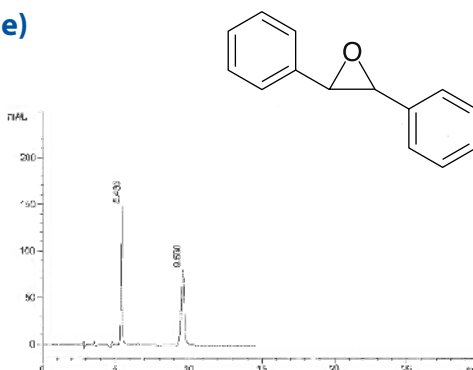
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)
Hexane/Ethanol

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

Catalog #: 1-780101-300



TSO (trans-Stilbene Oxide)

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
Hexane/IPA

Flow Rate: 1.5 mL/min

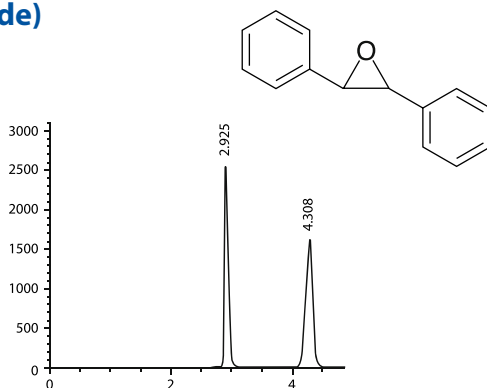
Detection: UV 254 nm

k': 0.54

α : 2.35

CAS #: 1439-07-2

Catalog #: 1-783104-300



TSO (trans-Stilbene Oxide)

Column: RegisCell,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
Hexane/IPA

Flow Rate: 1.5 mL/min

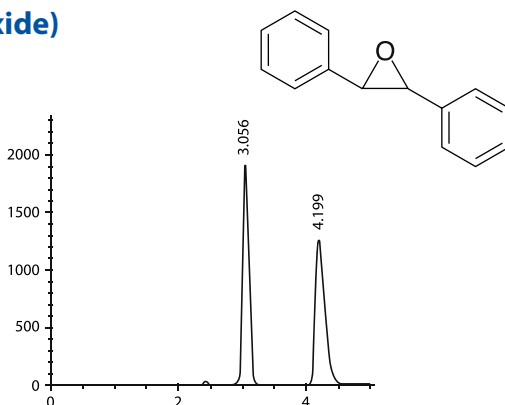
Detection: UV 254 nm

k': 0.61

α : 1.99

CAS #: 1439-07-2

Catalog #: 1-784104-300



TSO (trans-Stilbene Oxide)

Column: RegisPack CLA-1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/Ethanol

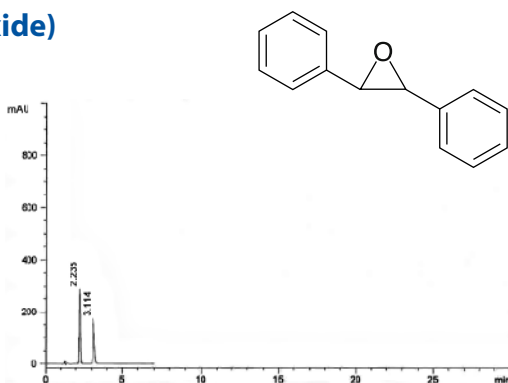
Flow Rate: 1.0 mL/min

Detection: UV 254 nm

k': 0.18

α : 3.55

Catalog #: 1-793104-300



Styrene Oxide

Column: Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (99/1)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

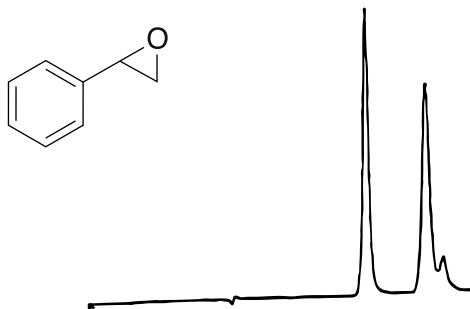
k': 1.37

α : 1.37

Reference: 18

Catalog #: 1-780101-300,

1-780201-300



Sulconazole

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (72/25)

Hexane/IPA

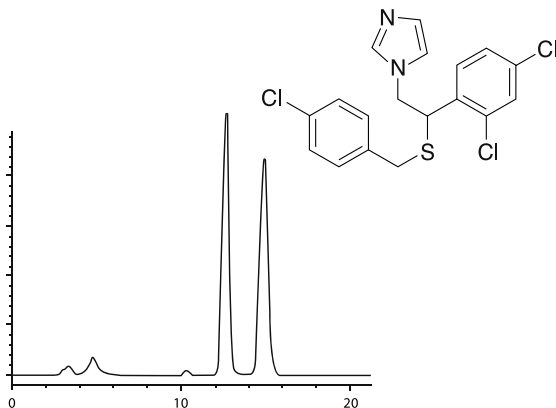
Flow Rate: 1.0 mL/min

Detection: UV 254 nm

k': 3.17

α : 1.23

Catalog #: 1-783104-300



Sulfinpyrazone

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)

Hexane/Ethanol

+ 25 mM Ammonium Acetate

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

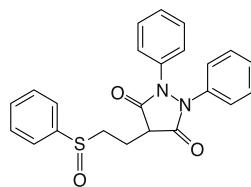
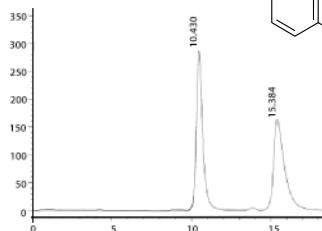
Run Time: 11.0 min

k': 4.40

α : 1.58

CAS #: 57-96-5

Catalog #: 1-780101-300, 1-780201-300



Sulindac

Column: (R,R) Whelk-O 1,
10 μm , 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

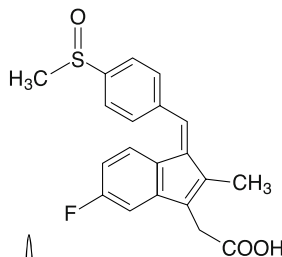
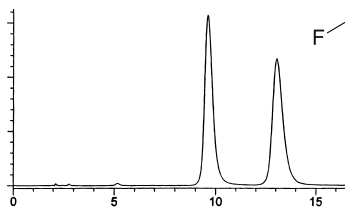
Detection: UV 254 nm

k': 4.32

α : 1.45

Reference: 46

Catalog #: 1-786515-300



Sulpiride

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol + 0.1 % DEA

Flow Rate: 1.5 mL/min

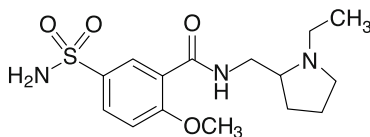
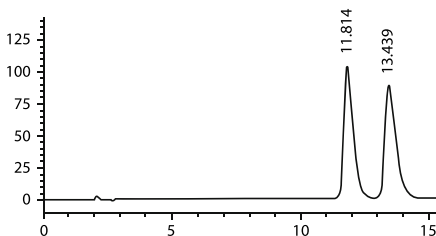
Detection: UV 254 nm

k': 5.22

α : 1.16

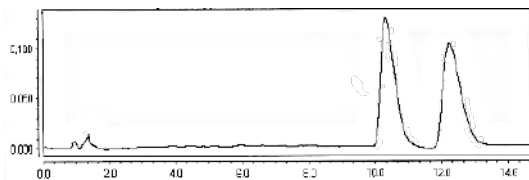
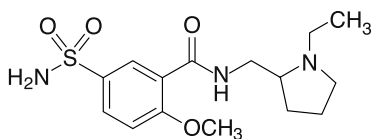
CAS #: 15676-16-1

Catalog #: 1-783104-300



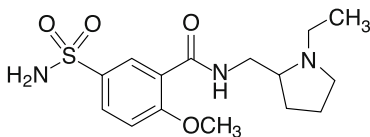
Sulpiride

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 12.76
 α : 1.20
Catalog #: 1-783104-300



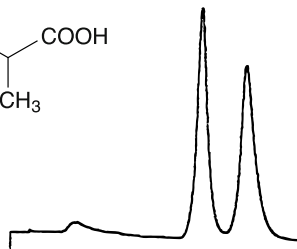
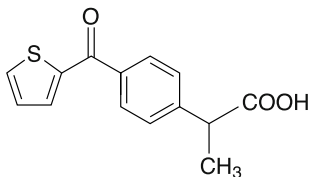
Sulpiride

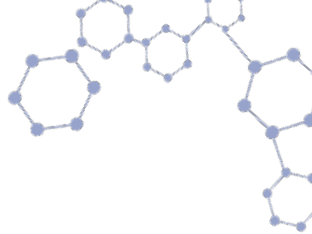
Column: (R,R) DACH-DNB,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
 $\text{CH}_2\text{Cl}_2/\text{Ethanol}$ + 0.01 M
Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 14.0 min
k': 5.92
 α : 1.24
Reference: 46
Catalog #: 1-788101-300



Suprofen

Column: (S,S) Whelk-O 1,
10 μm , 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': 9.76
 α : 1.27
Reference: 46
Catalog #: 1-786615-300





Suprofen

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)
 CO_2 /Ethanol + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

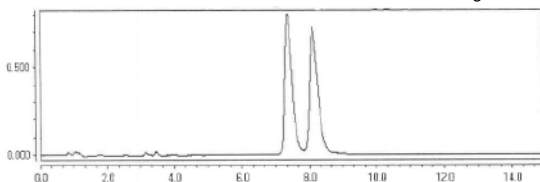
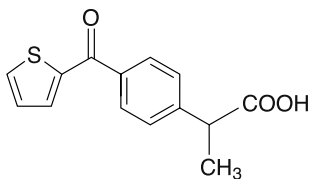
Pressure: 125 bar

Detection: UV 254 nm

k': 8.82

α : 1.11

Catalog #: 1-780101-300



Tamsulosin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

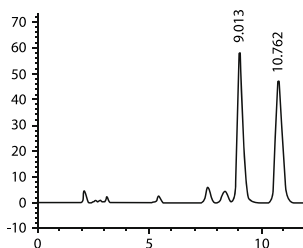
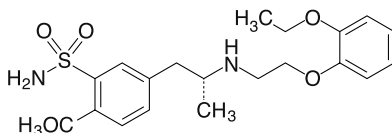
Detection: UV 280 nm

k': 3.67

α : 1.25

CAS #: 106133-20-4

Catalog #: 1-783104-300



Taxifolin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/15/15)
Hexane/Ethanol/Methanol
+0.1% TFA

Flow Rate: 1.5 mL/min

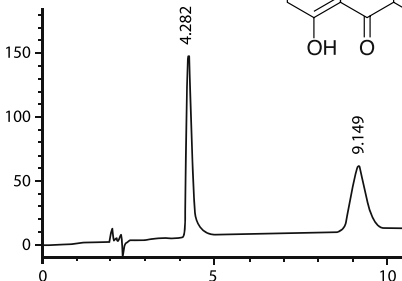
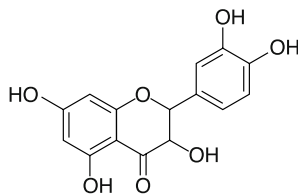
Detection: UV 220 nm

k': 1.22

α : 3.07

CAS #: 480-18-2

Catalog #: 1-783104-300



Taxifolin

Column: (S,S) Whelk-O 2,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
Hexane/Ethanol
+ 0.1% TFA

Flow Rate: 2.0 mL/min

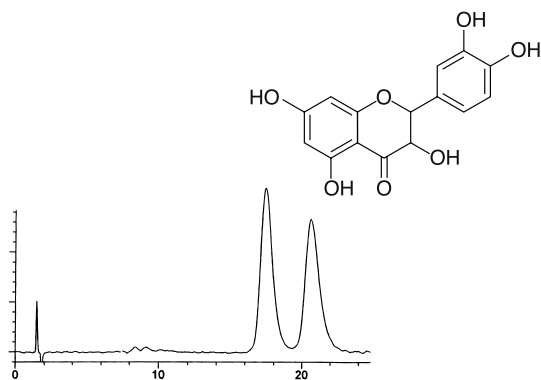
Detection: UV 220 nm

k': 11.87

α : 1.20

Reference: 46

Catalog #: 1-786447-300



Tebuconazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/IPA

Flow Rate: 1.5 mL/min

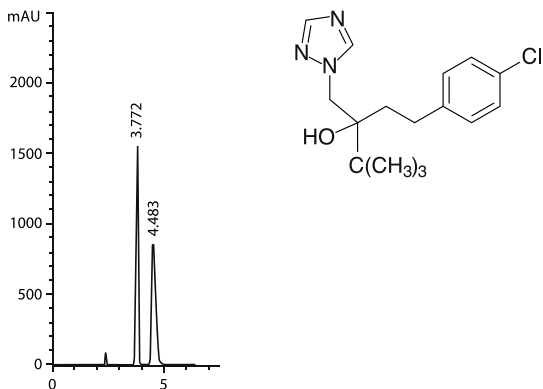
Detection: UV 220 nm

k': 0.98

α : 1.39

CAS #: 107534-96-3

Catalog #: 1-783104-300



Tebuconazole

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)
 CO_2 /IPA

Flow Rate: 4.0 mL/min

Temperature: 40°C

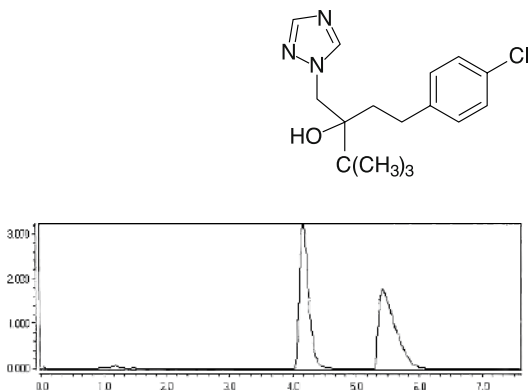
Pressure: 124 bar

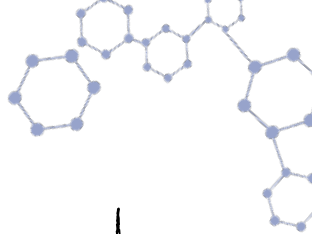
Detection: UV 220 nm

k': 4.56

α : 1.37

Catalog #: 1-783104-300





Temazepam

Column: (S,S) Whelk-O 1,

10 μm , 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

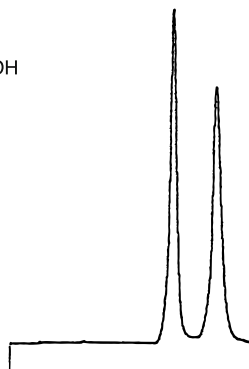
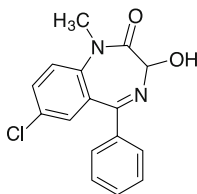
Run Time: 13.0 min

k': 6.86

α : 1.34

Reference: 46

Catalog #: 1-780101-300



Temazepam

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

CO₂/Ethanol

+ 0.5% Acetic Acid

Flow Rate: 4.0 mL/min

Temperature: 40°C

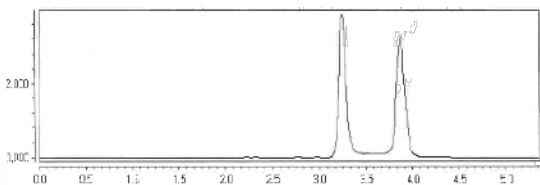
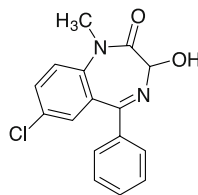
Pressure: 125 bar

Detection: UV 254 nm

k': 3.33

α : 1.25

Catalog #: 1-780101-300



Temazepam

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/IPA

+ 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

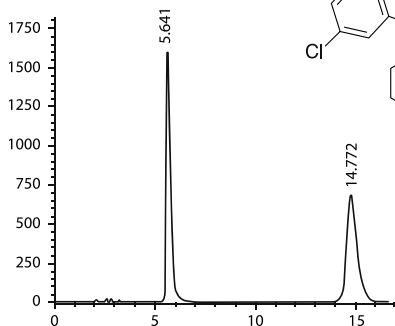
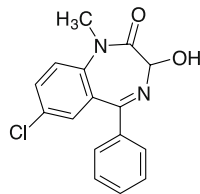
Detection: UV 220 nm

k': 1.97

α : 3.44

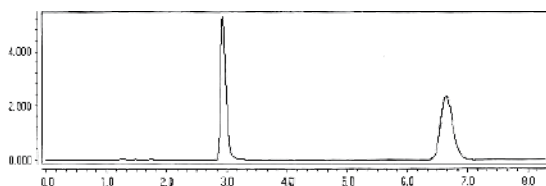
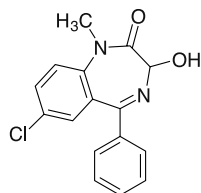
CAS #: 846-50-4

Catalog #: 1-783104-300



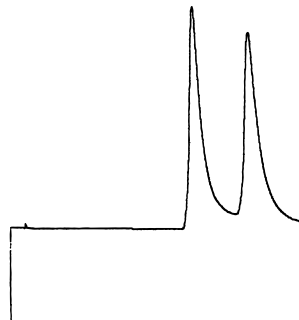
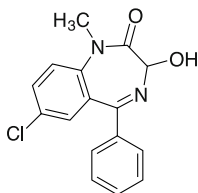
Temazepam

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
CO₂/IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.92
 α : 2.69
Catalog #: 1-783104-300



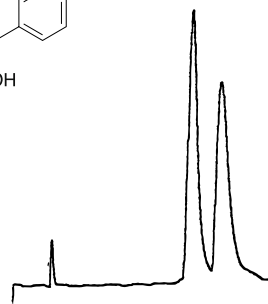
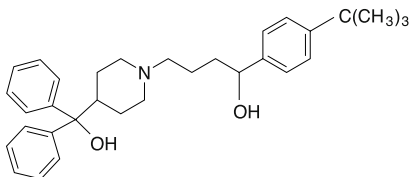
Temazepam

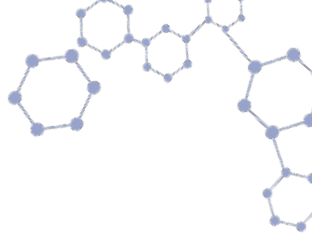
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (97/3)
Hexane/IPA
+ 0.1% Acetic acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 31.0 min
k': 12.05
 α : 1.34
Reference: 46
Catalog #: 1-787100-300



Terfenadine

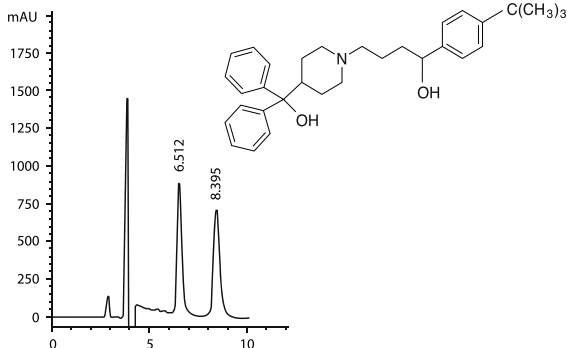
Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (97/3)
Hexane/Ethanol
+ 0.01 M Ammonium Acetate
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 15.0 min
k': 5.91
 α : 1.20
Reference: 46
Catalog #: 1-780201-300





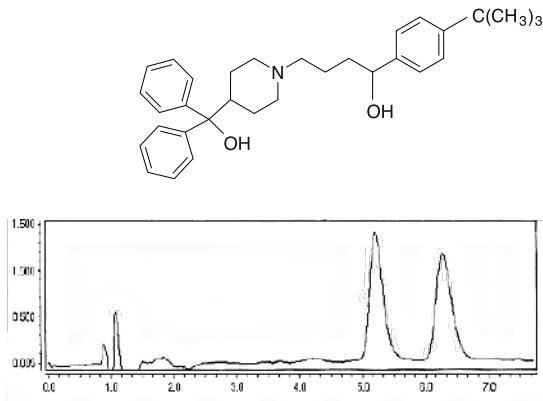
Terfenadine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k': 1.25
 α : 1.52
CAS #: 50679-08-8
Catalog #: 1-783104-300



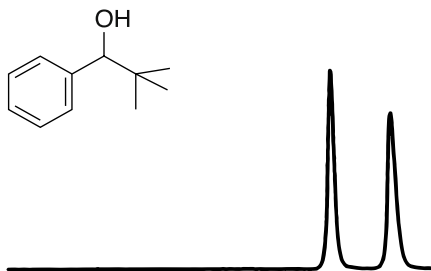
Terfenadine

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 5.94
 α : 1.24
Catalog #: 1-783104-300



Tert Butyl Phenyl Carbinol

Column: (S,S) ULMO,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (99/1)
Heptane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 215 nm
Run Time: 6.0 min
k': 4.60
 α : 1.46
Reference: 46
Catalog #: 1-787100-300



Tert-butyl-2-(benzamido) cyclopentyl carbamate

Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)
Hexane/IPA

Flow Rate: 1.5 mL/min

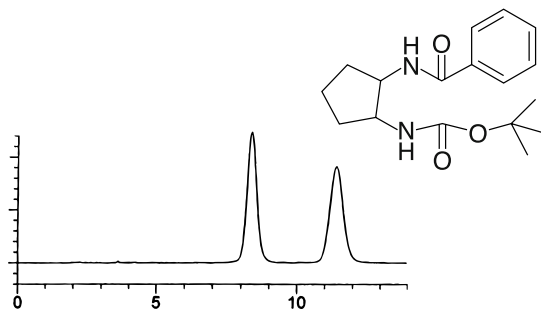
Detection: UV 254 nm

k': 3.65

α : 1.46

Reference: 46

Catalog #: 1-786615-300



Tetrabenazine

Column: (S,S) Whelk-O 1,
10 μm , 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

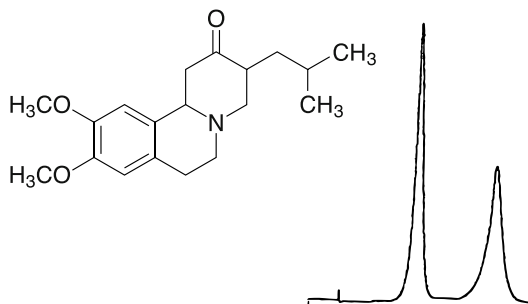
Run Time: 13.4 min

k': 3.35

α : 1.93

Reference: 46

Catalog #: 1-786615-300



Tetrahydrobenzopyrene-7-ol

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/IPA

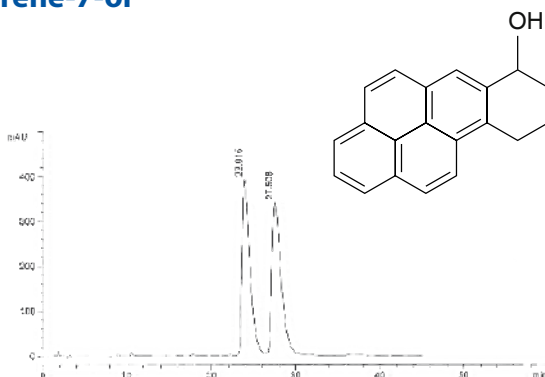
Flow Rate: 1.5 mL/min

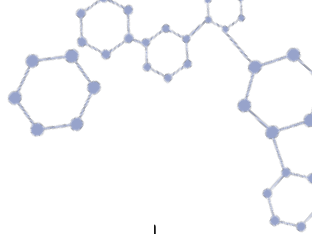
Detection: UV 254 nm

k': 11.39

α : 1.16

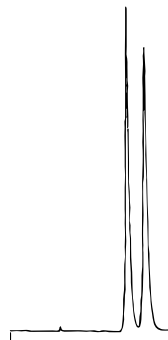
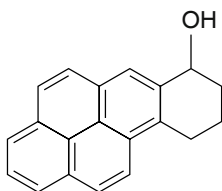
Catalog #: 1-780101-300





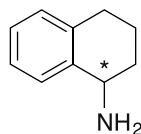
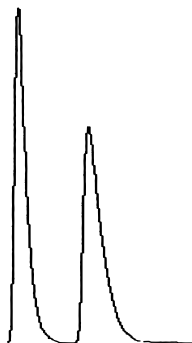
Tetrahydrobenzopyrene-7-ol

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 22 min
k': 6.10
 α : 1.18
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



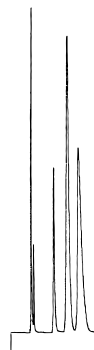
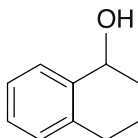
1,2,3,4-Tetrahydro-1-naphthylamine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (84/16)
 $\text{CH}_3\text{OH}/\text{H}_2\text{O}$ +10 mM
 H_2SO_4 & 0.1% TEA
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 3.5 min
k': 0.82
 α : 1.76
Catalog #: 1-799001-300,
1-799101-300



1,2,3,4-Tetrahydro-1-Naphtol

Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (99/1)
Hexane/IPA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10.5 min
k': 2.17
 α : 1.30
Reference: 46
Catalog #: 1-787200-300



Tetrahydropalmatine

Column: (S,S) Whelk-O 1,

10 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/IPA

Flow Rate: 1.5 mL/min

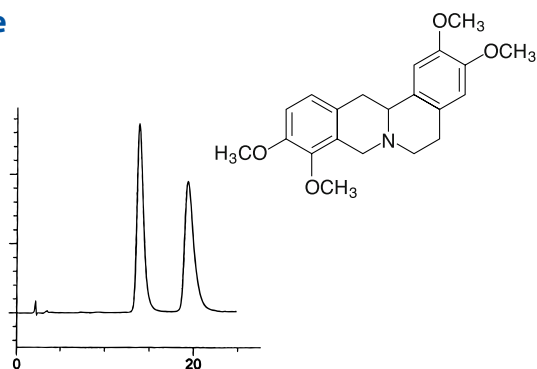
Detection: UV 254 nm

k': 6.66

α : 1.46

Reference: 46

Catalog #: 1-786515-300



Tetrahydropalmatine

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (60/40)

$\text{CO}_2/\text{CH}_3\text{OH}$ + 0.5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

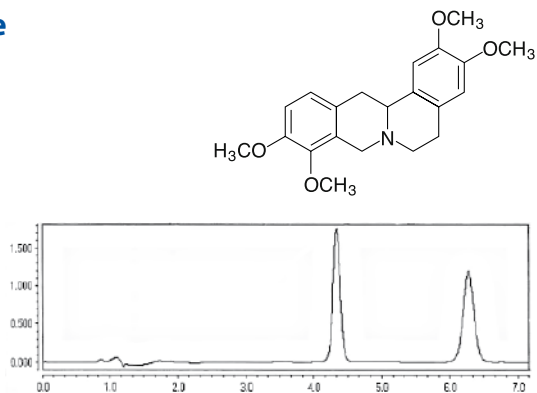
Pressure: 125 bar

Detection: UV 220 nm

k': 4.78

α : 1.54

Catalog #: 1-780101-300



Tetrahydropalmatine

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.0 mL/min

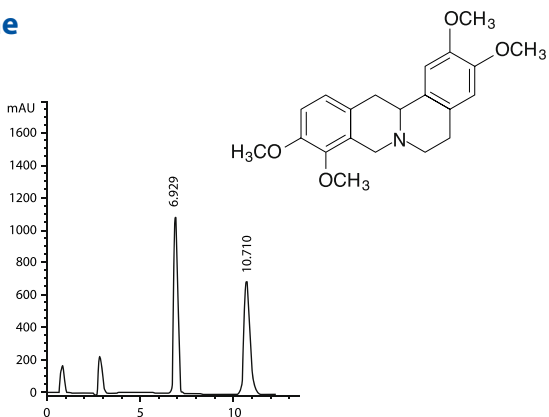
Detection: UV 280 nm

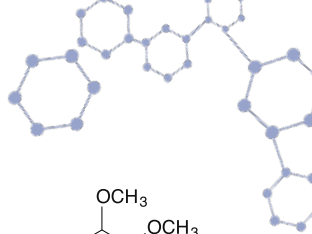
k': 1.39

α : 1.94

CAS #: 10097-84-4

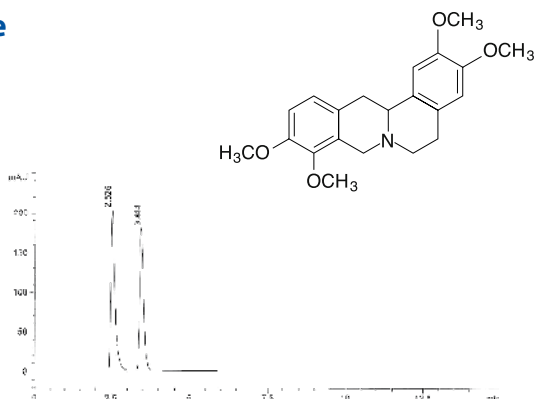
Catalog #: 1-783104-300





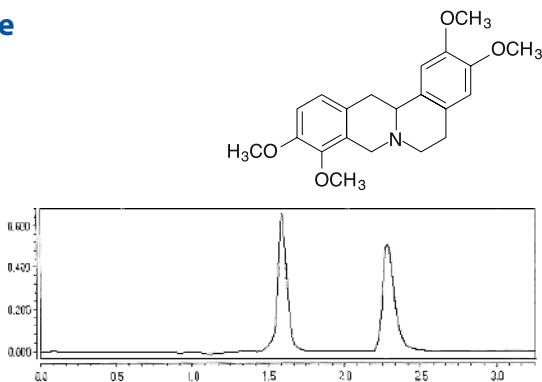
Tetrahydropalmatine

Column: RegisPack,
3 μm , 15 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/Ethanol
+ 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 280 nm
k': 1.18
 α : 1.67
Catalog #: 1-783503-300



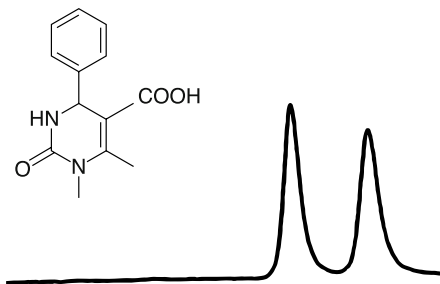
Tetrahydropalmatine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
 CO_2 /Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 280 nm
k': 1.12
 α : 1.84
Catalog #: 1-783104-300



Tetrahydropyrimidine Carboxylic Acid

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Heptane/IPA + 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 215 nm
Run Time: 14 min
k': 3.38
 α : 1.21
Reference: 48
Catalog #: 1-787100-300



Tetramethrin

Insecticide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (98/2)

Hexane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

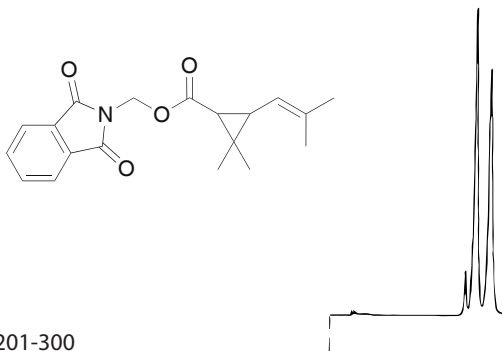
Run Time: 22 min

k': 11.77

α : 1.12

Reference: 43

Catalog #: 1-780101-300, 1-780201-300



Tetramisole

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/Ethanol
+ 0.1% DEA

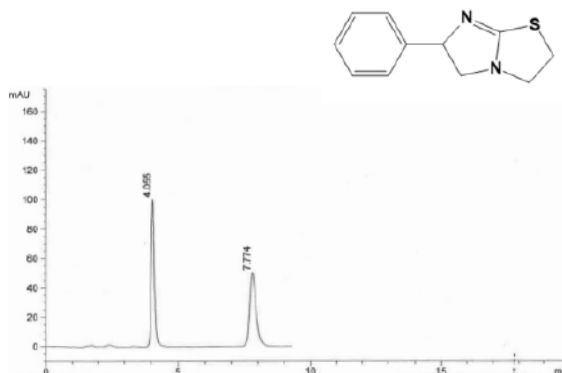
Flow Rate: 1.5 mL/min

Detection: UV 254 nm

k': 1.10

α : 2.75

Catalog #: 1-780101-300



Tetramisole

Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (40/40/20)

CH_2Cl_2 /Hexane/Ethanol
+ 0.01 M Ammonium Acetate

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

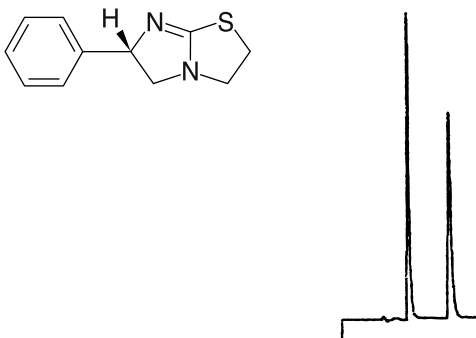
Run Time: 7.0 min

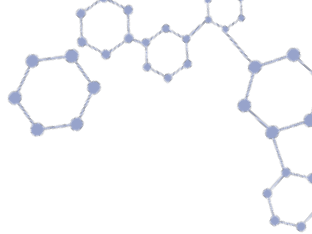
k': 0.52

α : 2.84

Reference: 46

Catalog #: 1-780201-300





Tetramisole

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)
 $\text{CO}_2/\text{CH}_3\text{OH}$ + .5% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

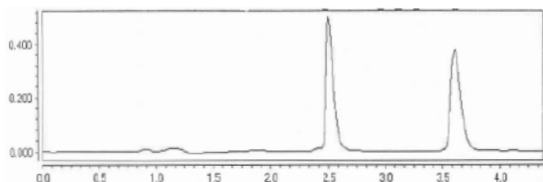
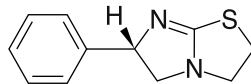
Pressure: 125 bar

Detection: UV 254 nm

k': 2.34

α : 1.63

Catalog #: 1-780101-300



Thalidomide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (63/37)
 $\text{H}_2\text{O}/\text{MeOH}$ + 0.1% HOAc

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

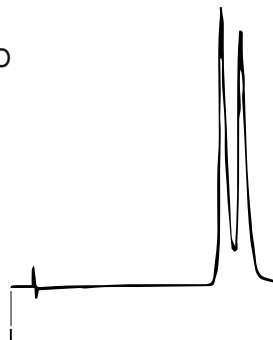
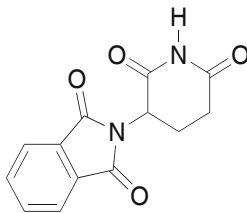
Run Time: 33 min

k': 10.19

α : 1.10

Reference: 18

Catalog #: 1-780101-300,
1-780201-300



Thalidomide

Column: RegisPack ,
5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%
Methanol

Flow Rate: 1.5 mL/min

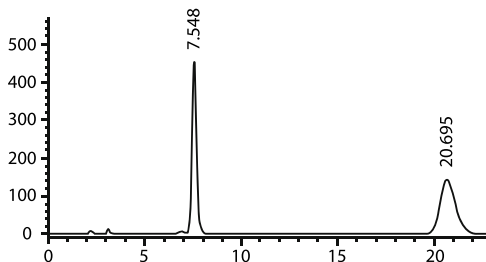
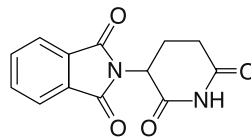
Detection: UV 220 nm

k': 2.97

α : 1.33

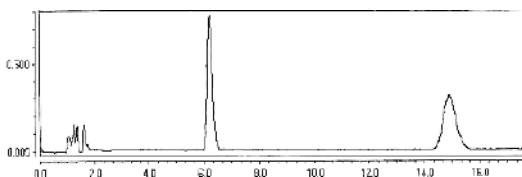
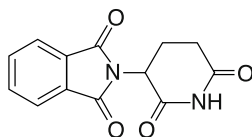
CAS #: 50-35-1

Catalog #: 1-783104-300



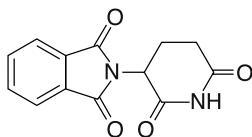
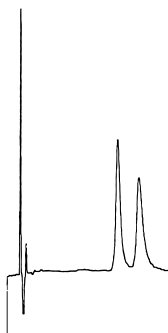
Thalidomide

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (55/45)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k': 7.28
 α : 2.59
Catalog #: 1-783104-300



Thalidomide

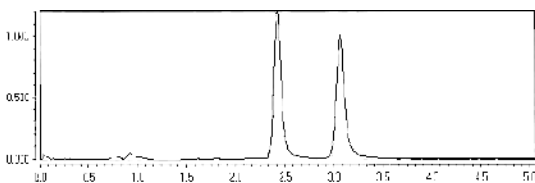
Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
+ 0.1% Acetic Acid
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
Run Time: 28.0 min
k': 7.71
 α : 1.22
Reference: 46
Catalog #: 1-787200-300

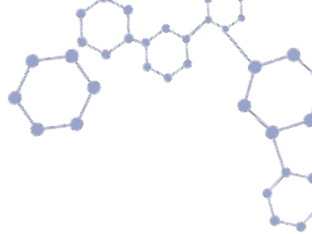


1,3-Thiazole

N~1~-1,3-thiazol-2-yl-*N*~2~-(2-thienylcarbonyl)valinamide

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25)
 CO_2/IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 2.23
k': 3.09
 α : 1.39
Catalog #: 1-780101-300

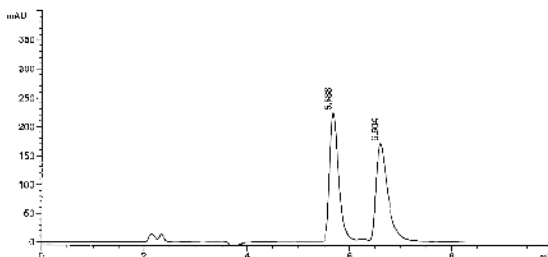




1,3-Thiazole

N~1~-1,3-thiazol-2-yl-*N*~2~-(2-thienylcarbonyl)valinamide

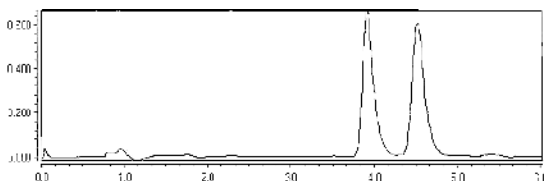
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.99
k': 2.47
 α : 1.24
Catalog #: 1-783104-300



1,3-Thiazole

N~1~-1,3-thiazol-2-yl-*N*~2~-(2-thienylcarbonyl)valinamide

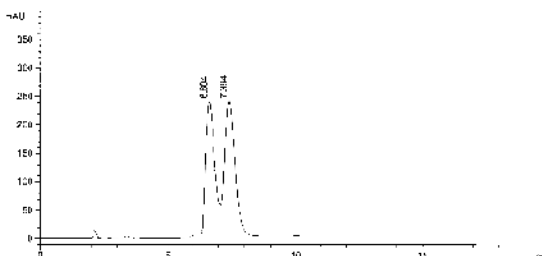
Column: RegisPack, 5 μ m, 25 cm x 4.6 mm
Mobile Phase: (65/35)
CO₂/IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k': 4.21
k': 5.03
 α : 1.19
Catalog #: 1-783104-300



1,3-Thiazole

N~1~-1,3-thiazol-2-yl-*N*~2~-(2-thienylcarbonyl)valinamide

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (96/4)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 2.47
k': 2.89
 α : 1.17
Catalog #: 1-784104-300



1,3-Thiazole

ethyl (2-[[2-(4-methoxyphenoxy)propanoyl]amino]-1,3-thiazol-4-yl)acetate

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/IPA

Flow Rate: 1.5 mL/min

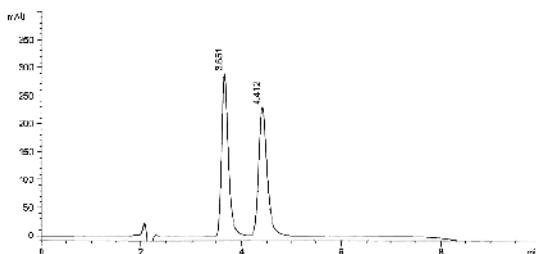
Detection: UV 220 nm

k'₁: 0.92

k'₂: 1.32

α : 1.43

Catalog #: 1-787200-300



1,3-Thiazole

ethyl (2-[[2-(4-methoxyphenoxy)propanoyl]amino]-1,3-thiazol-4-yl)acetate

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (50/50)

Hexane/IPA + 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

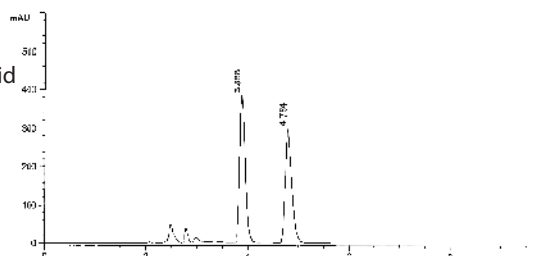
Detection: UV 220 nm

k'₁: 1.97

α : 3.44

CAS #: 846-50-4

Catalog #: 1-783104-300



1,3-Thiazole

ethyl (2-[[2-(4-methoxyphenoxy)propanoyl]amino]-1,3-thiazol-4-yl)acetate

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

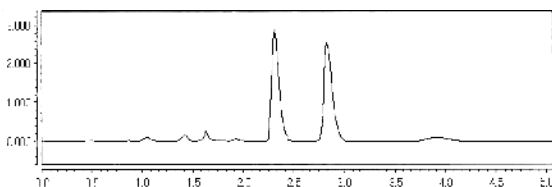
Detection: UV 220 nm

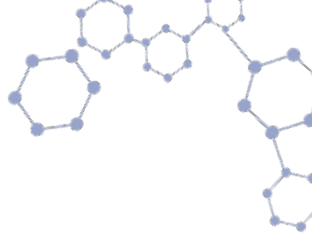
k'₁: 2.09

k'₂: 2.77

α : 1.33

Catalog #: 1-783104-300





1,3-Thiazole

ethyl 2-[(2-phenoxybutanoyl)amino]-1,3-thiazol-4-yl]acetate

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)

$\text{CO}_2/\text{IPA} + 0.2\% \text{ DEA}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

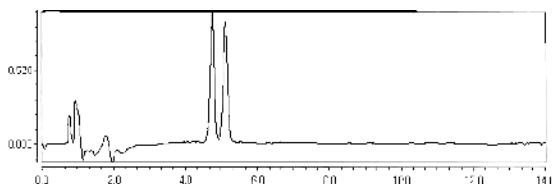
Detection: UV 220 nm

k': 5.31

k'': 5.81

α : 1.09

Catalog #: 1-780101-300



1,3-Thiazole

ethyl 2-[(2-phenoxybutanoyl)amino]-1,3-thiazol-4-yl]acetate

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

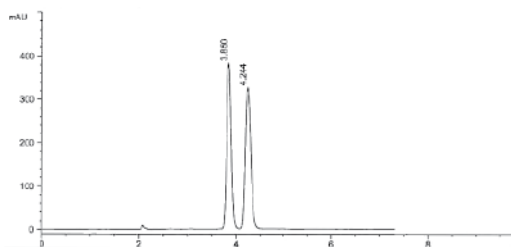
Detection: UV 220 nm

k': 1.03

k'': 1.23

α : 1.19

Catalog #: 1-783104-300



1,3-Thiazole

ethyl 2-[(2-phenoxybutanoyl)amino]-1,3-thiazol-4-yl]acetate

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (87/13)

$\text{CO}_2/\text{Ethanol} + 0.2\% \text{ DEA}$

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

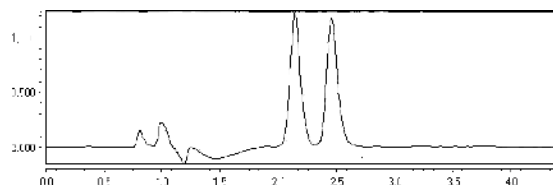
Detection: UV 220 nm

k': 1.85

k'': 2.28

α : 1.23

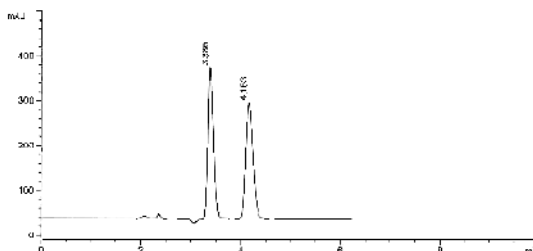
Catalog #: 1-783104-300



1,3-Thiazole

ethyl {2-[(2-phenoxybutanoyl)amino]-1,3-thiazol-4-yl}acetate

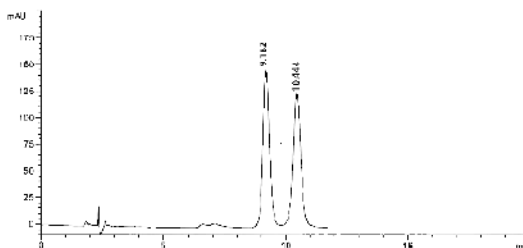
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 0.78
k'₂: 1.19
 α : 1.53
Catalog #: 1-784104-300



1,3-Thiazole

2-(4-bromophenoxy)-N-1,3-thiazol-2-ylpropanamide

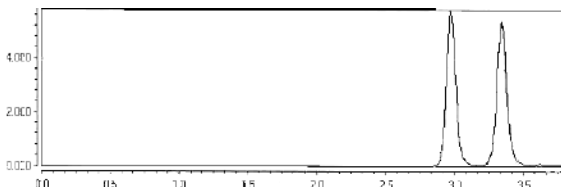
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 3.83
k'₂: 4.49
 α : 1.17
Catalog #: 1-780101-300

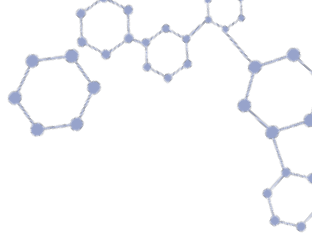


1,3-Thiazole

2-(4-bromophenoxy)-N-1,3-thiazol-2-ylpropanamide

Column: (S,S) Whelk-O 1, 5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
CO₂/IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k'₁: 2.96
k'₂: 3.47
 α : 1.17
Catalog #: 1-783104-300





1,3-Thiazole

2-(4-bromophenoxy)-N-1,3-thiazol-2-ylpropanamide

Column: RegisPack, 5 μ m,

25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

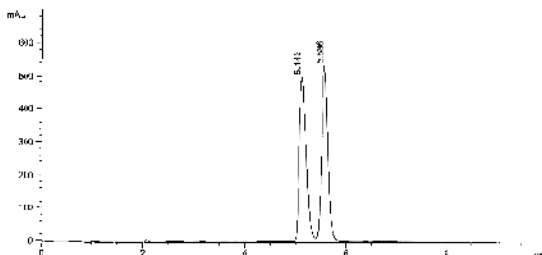
Detection: UV 220 nm

k'₁: 2.54

k'₂: 2.85

α : 1.12

Catalog #: 1-783104-300



1,3-Thiazole

2-(4-bromophenoxy)-N-1,3-thiazol-2-ylpropanamide

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (70/30)

CO₂/Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

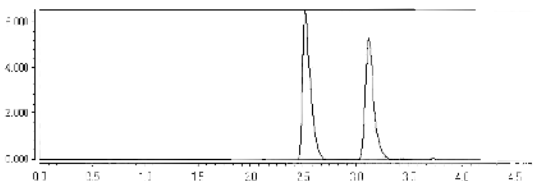
Detection: UV 254 nm

k'₁: 2.36

k'₂: 3.16

α : 1.34

Catalog #: 1-783104-300



1,3-Thiazole

2-(4-bromophenoxy)-N-1,3-thiazol-2-ylpropanamide

Column: RegisCell,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/IPA

Flow Rate: 1.5 mL/min

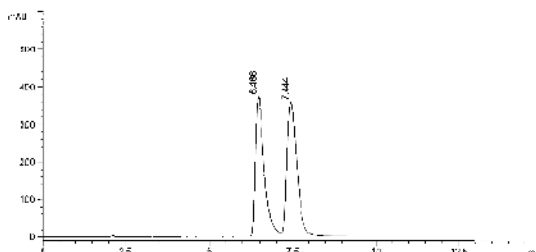
Detection: UV 220 nm

k'₁: 2.41

k'₂: 2.92

α : 1.21

Catalog #: 1-784104-300



1,3-Thiazole

2-(4-bromophenoxy)-N-1,3-thiazol-2-ylpropanamide

Column: RegisCell, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (90/10)

CO₂/IPA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

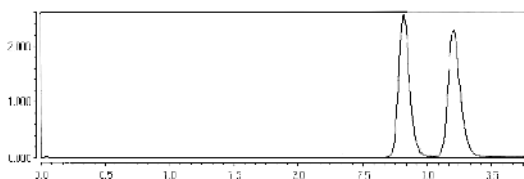
Detection: UV 254 nm

k': 2.76

k': 3.28

α : 1.19

Catalog #: 1-784104-300



1,3-Thiazole

ethyl (2-[[2-(4-bromophenoxy)propanoyl]amino]-1,3-thiazol-4-yl)acetate

Column: (S,S) Whelk-O 1,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (75/25)

Hexane/IPA

Flow Rate: 2.0 mL/min

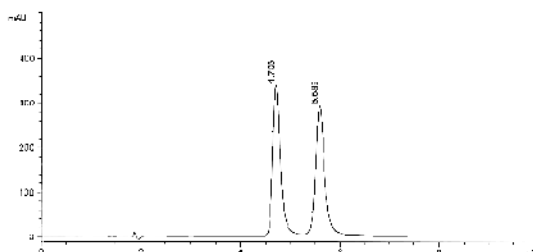
Detection: UV 220 nm

k': 2.25

k': 2.85

α : 1.27

Catalog #: 1-780101-300



1,3-Thiazole

ethyl (2-[[2-(4-bromophenoxy)propanoyl]amino]-1,3-thiazol-4-yl)acetate

Column: (S,S) Whelk-O 1, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (85/15)

CO₂/IPA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

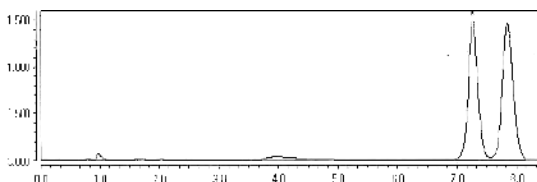
Detection: UV 220 nm

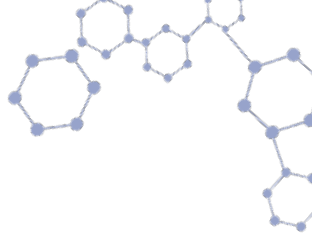
k': 8.69

k': 9.48

α : 1.09

Catalog #: 1-780101-300

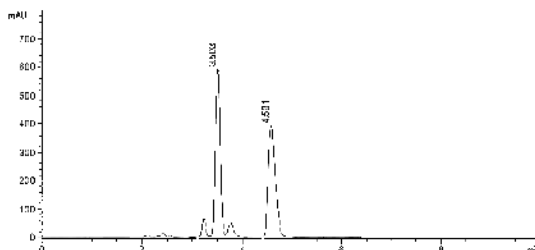




1,3-Thiazole

ethyl (2-([2-(4-bromophenoxy)propanoyl]amino)-1,3-thiazol-4-yl)acetate

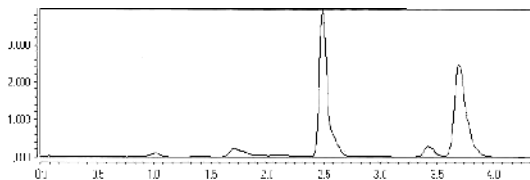
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 0.84
k'₂: 1.41
 α : 1.68
Catalog #: 1-783104-300



1,3-Thiazole

ethyl (2-([2-(4-bromophenoxy)propanoyl]amino)-1,3-thiazol-4-yl)acetate

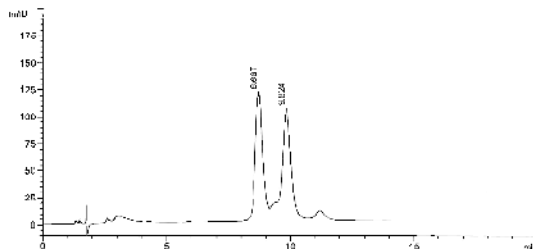
Column: RegisPack, 5 μm , 25 cm x 4.6 mm
Mobile Phase: (75/25) CO₂/Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k'₁: 2.32
k'₂: 3.93
 α : 1.69
Catalog #: 1-783104-300



1,3-Thiazole

3-(4-chlorobenzyl)-1-(1,3-thiazol-2-yl)-2,5-pyrrolidinedione

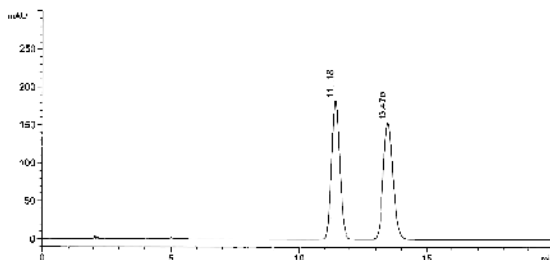
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k'₁: 5.00
k'₂: 5.78
 α : 1.16
Catalog #: 1-780101-300



1,3-Thiazole

3-(4-chlorobenzyl)-1-(1,3-thiazol-2-yl)-2,5-pyrrolidinedione

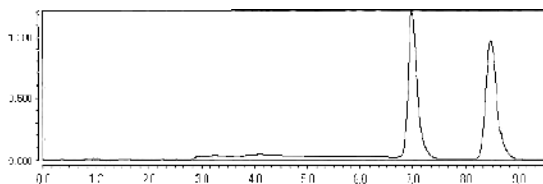
Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (65/35)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 5.01
k'₂: 6.09
 α : 1.22
Catalog #: 1-783104-300



1,3-Thiazole

3-(4-chlorobenzyl)-1-(1,3-thiazol-2-yl)-2,5-pyrrolidinedione

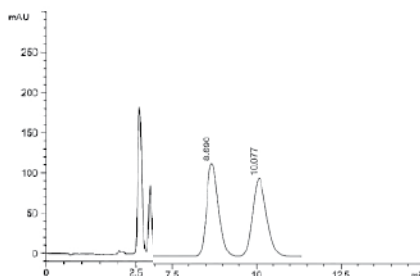
Column: RegisPack, 5 μ m, 25 cm x 4.6 mm
Mobile Phase: (70/30) CO₂/Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 126 bar
Detection: UV 220 nm
k'₁: 8.33
k'₂: 10.29
 α : 1.24
Catalog #: 1-783104-300

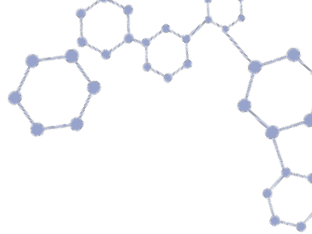


1,3-Thiazole

3-(4-chlorobenzyl)-1-(1,3-thiazol-2-yl)-2,5-pyrrolidinedione

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 3.57
k'₂: 4.31
 α : 1.21
Catalog #: 1-784104-300





1,3-Thiazole

3-(4-chlorobenzyl)-1-(1,3-thiazol-2-yl)-2,5-pyrrolidinedione

Column: RegisCell, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20) CO_2 /Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 124 bar

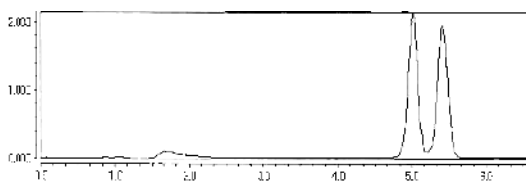
Detection: UV 220 nm

k': 5.68

k': 6.21

α : 1.09

Catalog #: 1-784104-300



1,3-Thiazole

4-benzoyl-5-(3,4-dimethoxyphenyl)-3-hydroxy-1-(1,3-thiazol-2-yl)-1,5-dihydro-2H-pyrrol-2-one

Column: (S,S) Whelk-O 1,

5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%

Methanol + 0.1% TEA

Flow Rate: 1.5 mL/min

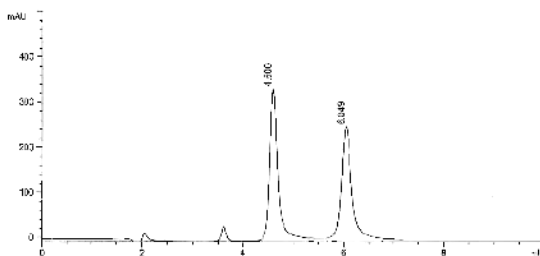
Detection: UV 220 nm

k': 1.27

k': 2.18

α : 1.72

Catalog #: 1-780101-300



DL- Thienylalnine

Column: ChiroSil ME RCA(+),

5 μm , 15 cm x 4.6 mm

Mobile Phase: (30/70)

0.01% Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

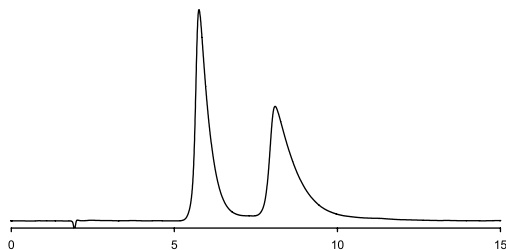
Detection: UV 210 nm

Temperature: 0°C

k': 1.96

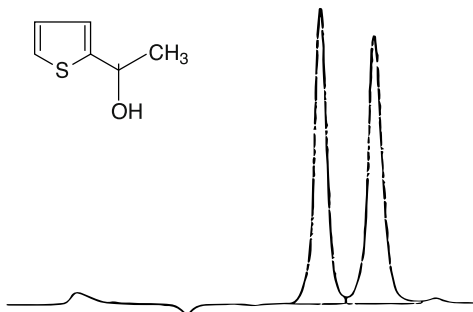
α : 1.61

Catalog #: 1-788001-300



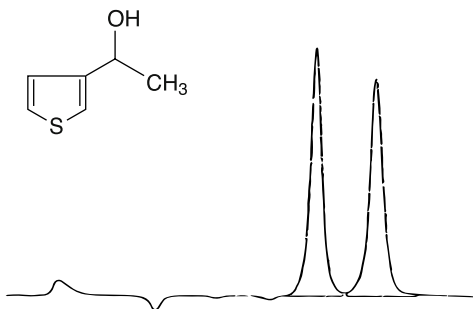
2-Thiopheneethanol

Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 10.5 min
k': 2.21
 α : 1.12
Reference: 60
Catalog #: 1-787100-300



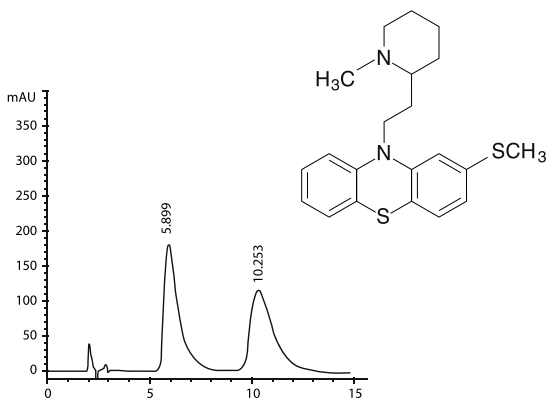
3-Thiopheneethanol

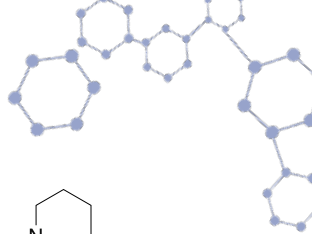
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 11.5 min
k': 2.42
 α : 1.13
Reference: 60
Catalog #: 1-78700-300



Thioridazine

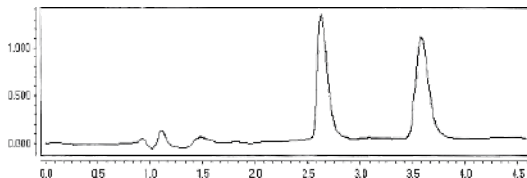
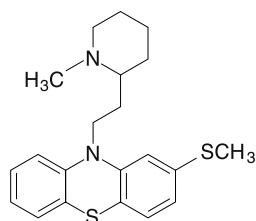
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 2.11
 α : 2.08
CAS #: 50-52-2
Catalog #: 1-783104-300





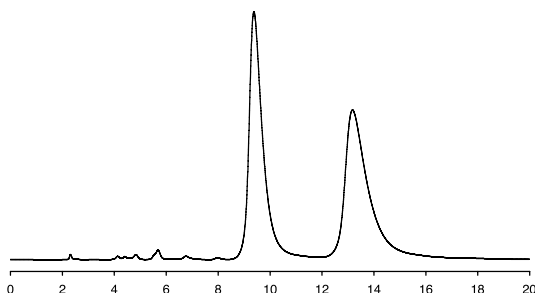
Thioridazine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/Ethanol + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 220 nm
k': 2.50
 α : 1.51
Catalog #: 1-783104-300



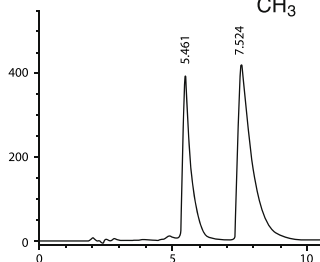
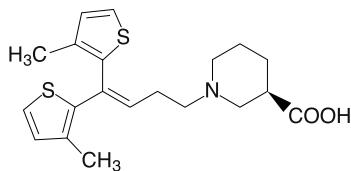
DL-Thr

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm
Mobile Phase: (50/50)
5 mM HClO₄ Acid/MeOH
Flow Rate: 0.5 mL/min
Detection: UV 210 nm
Temperature: 20°C
k': 1.47
 α : 1.68
Rs: 5.45
Catalog #: 1-788001-300



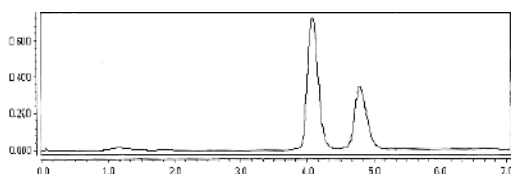
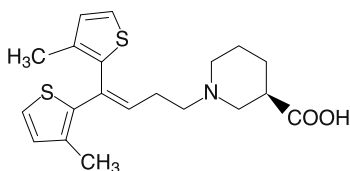
Tiagabine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.87
 α : 1.58
CAS #: 115103-54-3
Catalog #: 1-784104-300



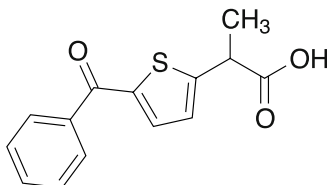
Tiagabine

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
CO₂/CH₃OH + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 4.44
 α : 1.22
Catalog #: 1-784104-300



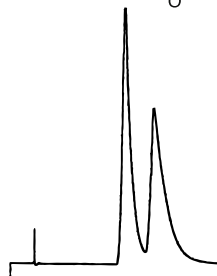
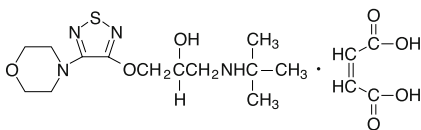
Tiaprofenic Acid

Column: Whelk-O 1,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA, 1 g/L NH₄OAc
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 2.02
 α : 1.09
Reference: 4
Catalog #: 1-780101-300,
1-780201-300



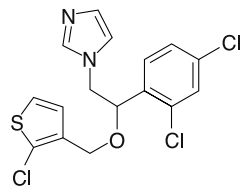
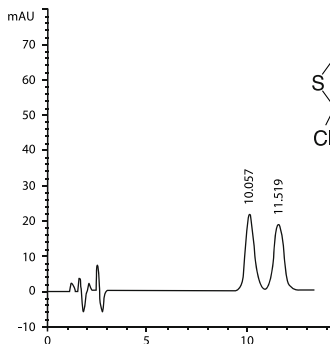
Timolol Maleate

Column: (3R,4S) Pirkle 1-J,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (94/3/3)
CH₂Cl₂/Ethanol/IPA
+ 0.01M Ammonium Acetate
Flow Rate: 1.0 mL/min
Detection: UV 294 nm
Run Time: 16.0 min
k': 3.72
 α : 1.33
Reference: 46
Catalog #: 1-71044-300



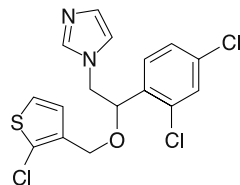
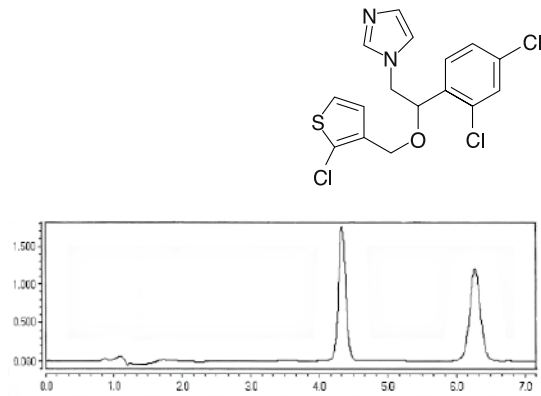
Tioconazole

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 4.29
 α : 1.18
CAS #: 65899-73-2
Catalog #: 1-784104-300



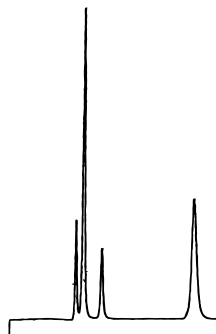
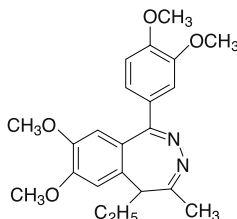
Tioconazole

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 CO_2 /IPA + 0.5% DEA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 220 nm
k': 4.63
 α : 1.14
Catalog #: 1-784104-300



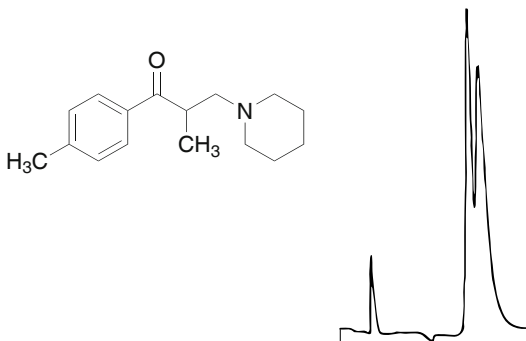
Tofisopam and its Conformers

Column: (R,R) β -Gem 1,
5 μm , 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': 2.66
 α : 3.13
Reference: 46
Catalog #: 1-731043-300



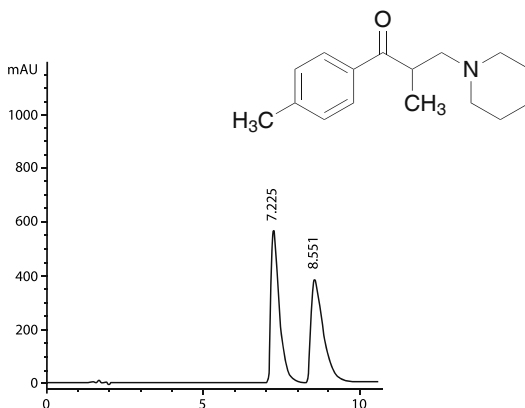
Tolperisone

Column: Whelk-O 1,
5 μm , 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: 18 min
k': 4.81
 α : 1.10
Reference: 18
Catalog #: 1-780101-300,
1-780201-300



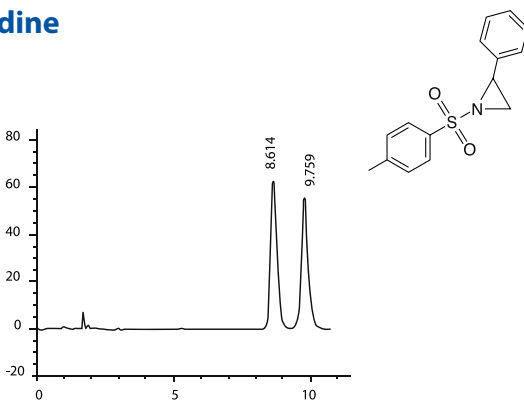
Tolperisone

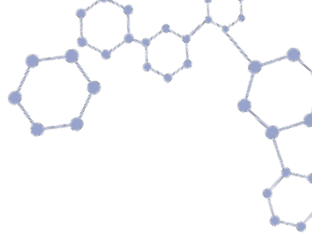
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (96/4)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 3.98
 α : 1.23
CAS #: 728-88-1
Catalog #: 1-783104-300



1-Tosyl-2-Phenylaziridine

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
k': 4.94
 α : 1.16
CAS #: 24395-14-0
Catalog #: 1-780101-300,
1-780201-300

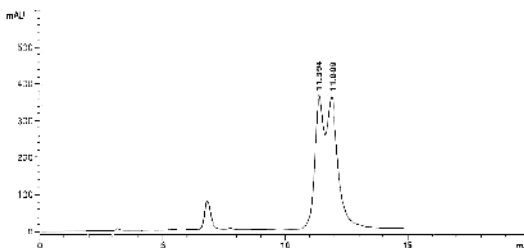




1,3,5-Triazines

methyl 2-[(6-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]oxy]-3-pyridazinyl)oxy]propanoate

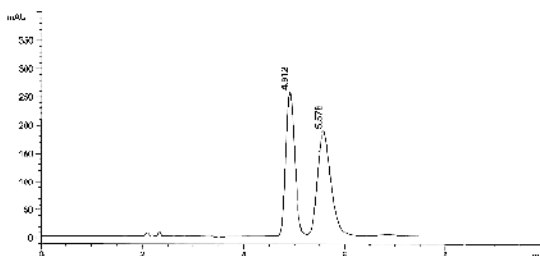
Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100% Ethanol
Flow Rate: 1.0 mL/min
Detection: UV 220 nm
k'₁: 2.93
k'₂: 3.1
 α : 1.06
Catalog #: 1-780101-300



1,3,5-Triazines

methyl 2-[(6-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]oxy]-3-pyridazinyl)oxy]propanoate

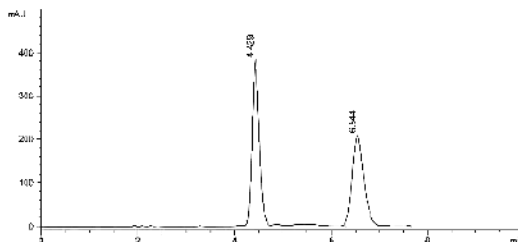
Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 1.58
k'₂: 1.94
 α : 1.23
Catalog #: 1-783104-300



1,3,5-Triazines

methyl 2-[(6-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]oxy]-3-pyridazinyl)oxy]propanoate

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k'₁: 1.33
k'₂: 2.44
 α : 1.83
Catalog #: 1-784104-300



1,3,5-Triazines

methyl 2-[(6-[[4,6-bis(dimethylamino)-1,3,5-triazin-2-yl]oxy]-3-pyridazinyl)oxy]propanoate

Column: RegisCell, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15) CO_2 /IPA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 126 bar

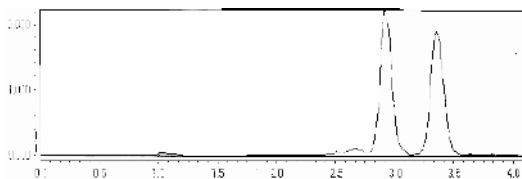
Detection: UV 220 nm

k': 2.89

k': 3.48

α : 1.20

Catalog #: 1-784104-300



1,3,5-Triazines

ethyl 1-[(4-amino-6-[(2-methoxyphenyl)amino]-1,3,5-triazin-2-yl)methyl]-3-piperidinecarboxylate

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

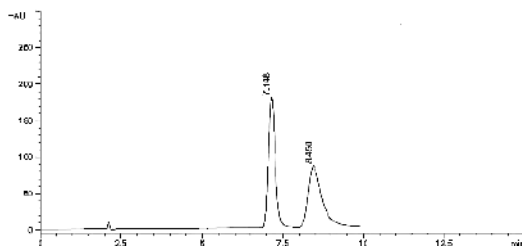
Detection: UV 220 nm

k': 2.76

k': 3.45

α : 1.25

Catalog #: 1-783104-300



1,3,5-Triazines

ethyl 1-[(4-amino-6-[(4-methoxyphenyl)amino]-1,3,5-triazin-2-yl)methyl]-3-piperidinecarboxylate

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol + 0.1% DEA

Flow Rate: 1.5 mL/min

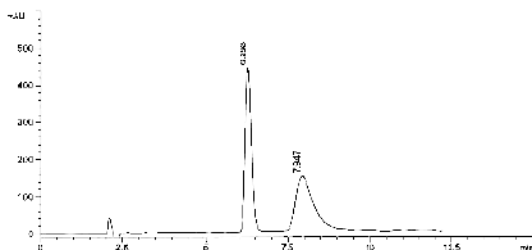
Detection: UV 220 nm

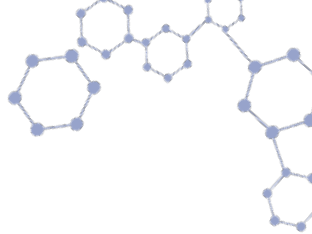
k': 2.31

k': 3.18

α : 1.38

Catalog #: 1-783104-300





1,3,5-Triazines

ethyl 1-((4-amino-6-[(4-methoxyphenyl)amino]-1,3,5-triazin-2-yl)methyl)-3-piperidinecarboxylate

Column: RegisPack, 5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20) CO₂/Ethanol + 2% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

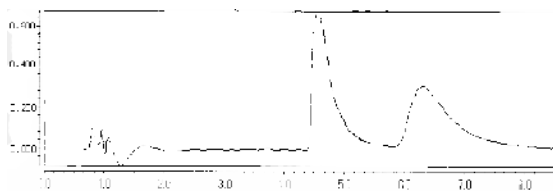
Detection: UV 220 nm

k': 5.09

k': 7.43

α : 1.46

Catalog #: 1-783104-300



1,3,5-Triazines

N-(sec-butyl)-6-[(6-ethoxy-3-pyridazinyl)oxy]-N'-ethyl-1,3,5-triazine-2,4-diamine

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

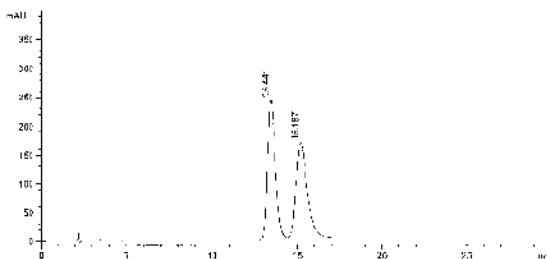
Detection: UV 220 nm

k': 6.07

k': 6.99

α : 1.15

Catalog #: 1-783104-300



1,3,5-Triazines

ethyl 1-((4-amino-6-[(4-methylphenyl)amino]-1,3,5-triazin-2-yl)methyl)-3-piperidinecarboxylate

Column: RegisPack,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (80/20)

Hexane/Ethanol

Flow Rate: 1.5 mL/min

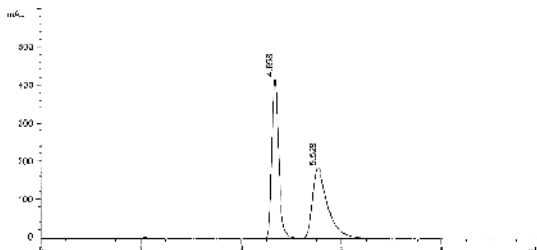
Detection: UV 220 nm

k': 1.45

k': 1.91

α : 1.32

Catalog #: 1-783104-300



1,3,5-Triazines

ethyl 1-((4-amino-6-[(4-methylphenyl)amino]-1,3,5-triazin-2-yl)methyl)-3-piperidinecarboxylate

Column: RegisPack, 5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20) CO_2/IPA + 2% DEA

Flow Rate: 4.0 mL/min

Temperature: 40°C

Pressure: 125 bar

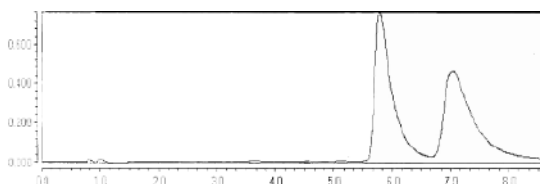
Detection: UV 254 nm

k': 6.73

k'': 8.40

α : 1.25

Catalog #: 1-783104-300



1,3,5-Triazines

ethyl 1-((4-amino-6-[(4-methylphenyl)amino]-1,3,5-triazin-2-yl)methyl)-3-piperidinecarboxylate

Column: RegisCell,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA + 0.1% DEA

Flow Rate: 1.5 mL/min

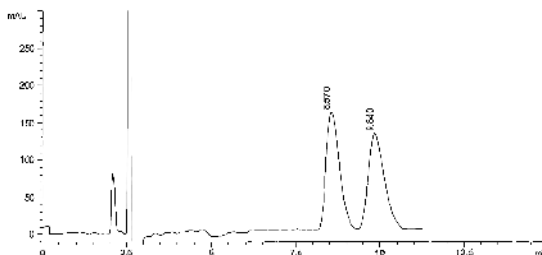
Detection: UV 220 nm

k': 3.51

k'': 4.18

α : 1.19

Catalog #: 1-784104-300



Trichlormethiazide

Column: (R,R) ULMO,

5 μm , 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

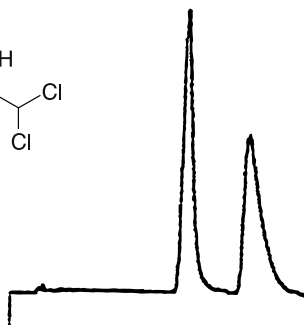
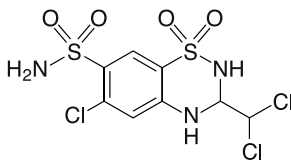
Run Time: 15.0 min

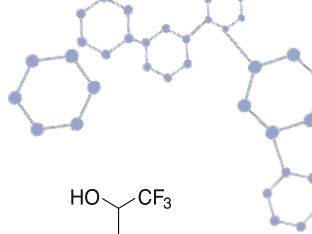
k': 5.16

α : 1.43

Reference: 46

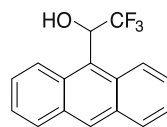
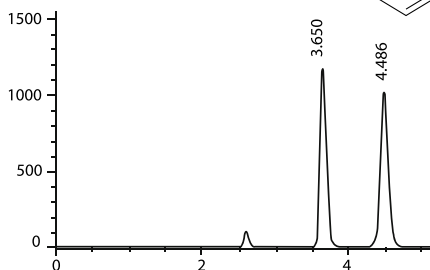
Catalog #: 1-787200-300





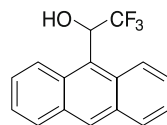
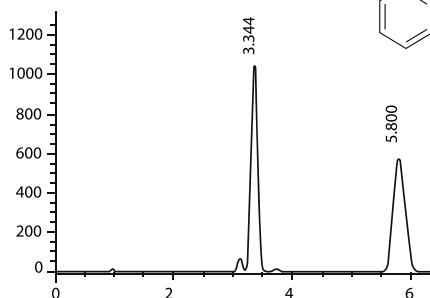
2,2,2-Trifluoro-1-(9-anthryl)-ethanol

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.92
 α : 1.48
CAS #: 60686-64-8
Catalog #: 1-783104-300



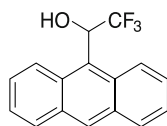
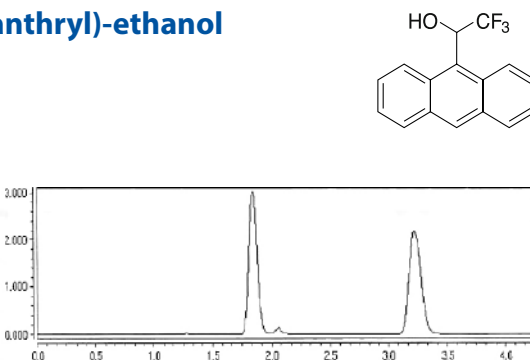
2,2,2-Trifluoro-1-(9-anthryl)-ethanol

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.76
 α : 2.70
CAS #: 60686-64-8
Catalog #: 1-784104-300



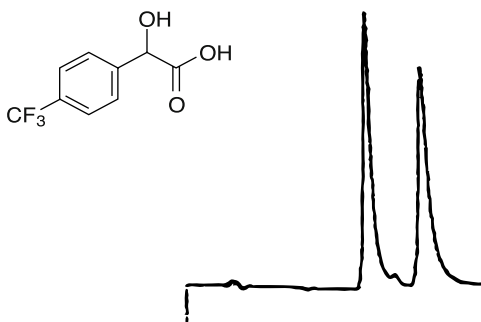
2,2,2-Trifluoro-1-(9-anthryl)-ethanol

Column: RegisCell,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (75/25)
 CO_2 /IPA
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 254 nm
k': 1.46
 α : 2.27
Catalog #: 1-784104-300



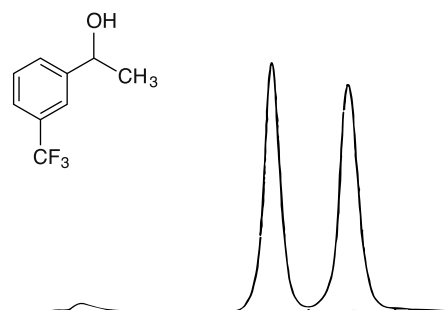
4-(Trifluoromethyl)mandelic Acid

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile 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': 3.59
 α : 1.40
Reference: 46
Catalog #: 1-780101-300



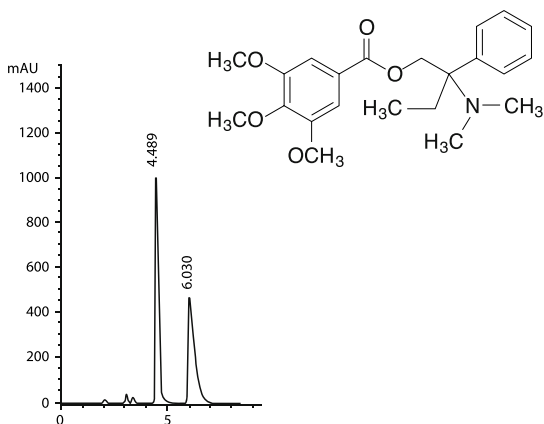
1-(m-Trifluoromethylphenyl) Ethanol

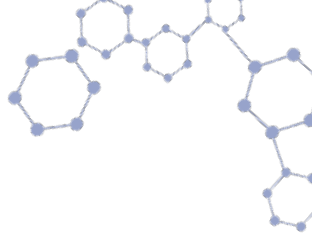
Column: (S,S) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (98.5/1.5)
n-Heptane/1,2-Dimethoxyethane
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 9.0 min
k': 1.66
 α : 1.14
Reference: 60
Catalog #: 1-787100-300



Trimebutine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane Ethanol + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.36
 α : 1.60
CAS #: 39133-31-8
Catalog #: 1-783104-300





1,1,2-Triphenyl-1,2-Ethanediol

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (99/1)

Heptane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 215 nm

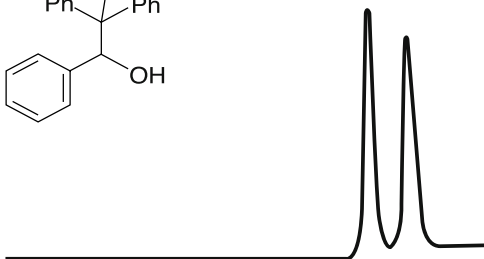
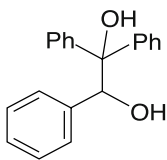
Run Time: 13 min

k': 2.59

α : 1.14

Reference: 48

Catalog #: 1-787200-300



1,3,5-Triphenylpent-4-yn-1-one

Column: (S,S) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: 100%

Hexane + 0.5% IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

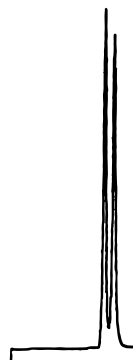
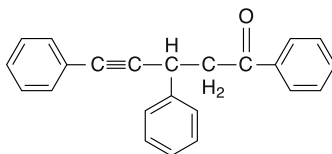
Run Time: 6.5 min

k': 1.19

α : 1.19

Reference: 46

Catalog #: 1-787100-300



α -Trityl-2-naphthalene Propionic Acid

Column: (R,R) ULMO,

5 μ m, 25 cm x 4.6 mm

Mobile Phase: (97/3)

Heptane/IPA

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

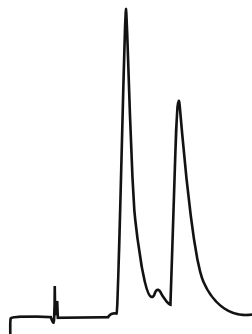
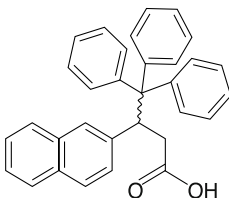
Run Time: 10.0 min

k': 1.57

α : 1.79

Reference: 46

Catalog #: 1-787200-300



Troger's Base

Column: (R,R) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (96/4)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

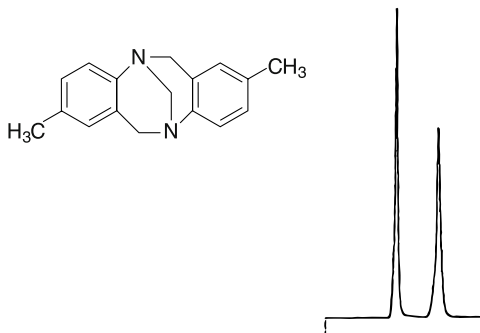
Run Time: 10.0 min

k': 2.52

α : 1.80

Reference: 46

Catalog #: 1-786515-300



Troger's Base

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)
 CO_2 /Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

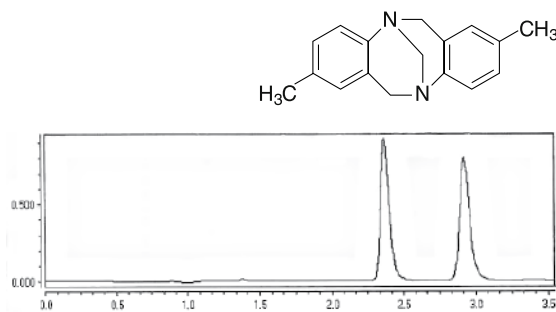
Pressure: 125 bar

Detection: UV 254 nm

k': 2.13

α : 1.34

Catalog #: 1-780101-300



Troger's Base

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

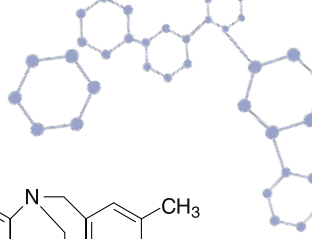
k': 0.55

α : 2.33

CAS #: 529-81-7

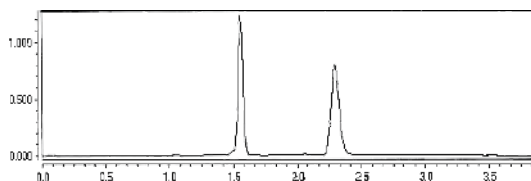
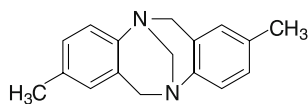
Catalog #: 1-783104-300





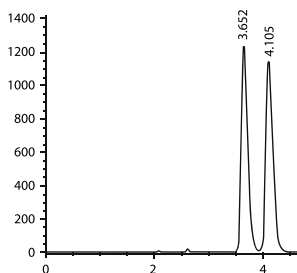
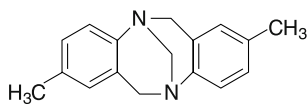
Troger's Base

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
CO₂/Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 1.08
 α : 1.91
Catalog #: 1-783104-300



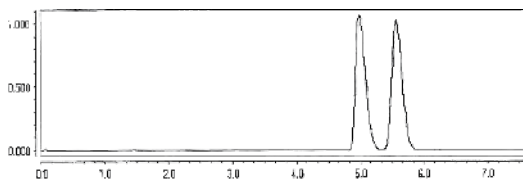
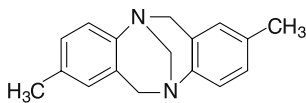
Troger's Base

Column: Regis Cell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 0.92
 α : 1.26
CAS #: 529-81-7
Catalog #: 1-784104-300



Troger's Base

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
CO₂/Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 5.66
 α : 1.14
Catalog #: 1-784104-300



Troglitazone

Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (90/10)

Hexane/IPA

+ 0.1% Acetic Acid

Flow Rate: 2.0 mL/min

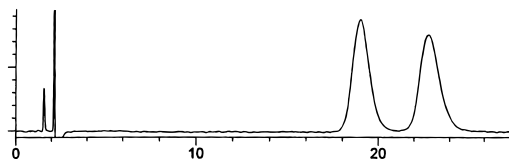
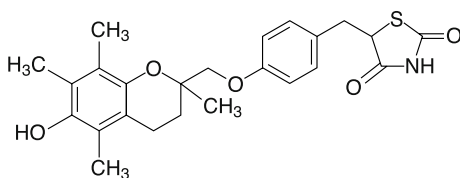
Detection: UV 220 nm

k': 13.05

α : 1.22

Reference: 46

Catalog #: 1-786615-300



Trolox

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/Ethanol + 0.1 %

DEA + 0.1% Acetic Acid

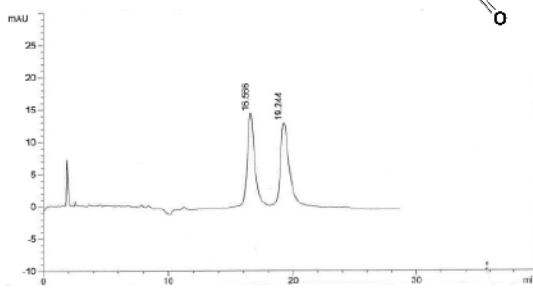
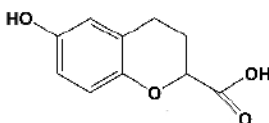
Flow Rate: 2.0 mL/min

Detection: UV 254 nm

k': 7.58

α : 1.18

Catalog #: 1-780101-300



Trolox

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)

Hexane/IPA + 0.1 % HOAc

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

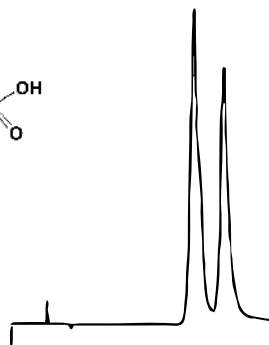
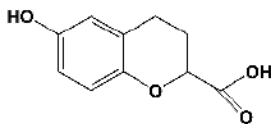
Run Time: 19 min

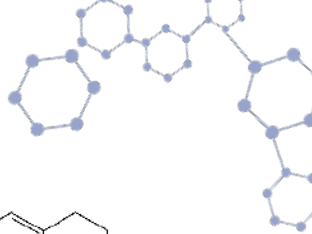
k': 5.09

α : 1.21

Reference: 18

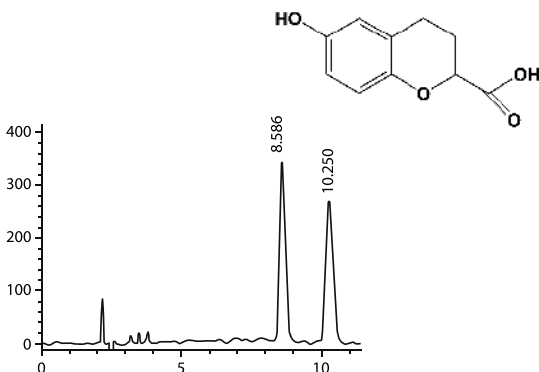
Catalog #: 1-780101-300,
1-780201-300





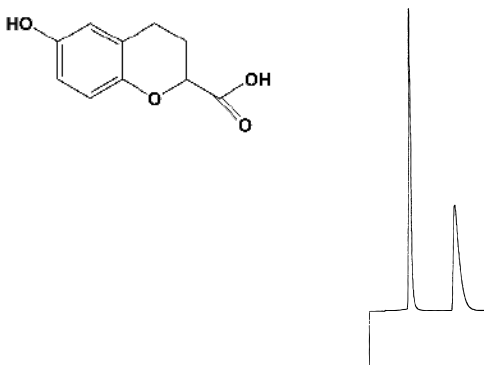
Trolox

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 3.45
 α : 1.25
CAS #: 53188-07-1
Catalog #: 1-783104-300



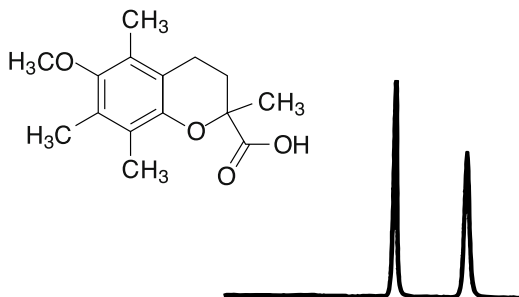
Trolox

Column: (R,R) ULMO,
5 μm , 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': 2.18
 α : 2.68
Reference: 46
Catalog #: 1-787200-300



Trolox-methylether

Column: (S,S) ULMO,
5 μm , 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': 0.32
 α : 2.50
Reference: 48
Catalog #: 1-787100-300



Tropicamide

Column: (R,R) Whelk-O 1,
10 μm , 25 cm x 4.6 mm

Mobile Phase: (75/25)
Hexane/Ethanol

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

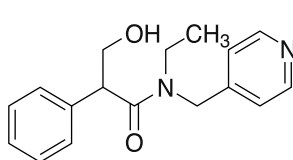
Run Time: 13.9 min

k': 4.52

α : 1.49

Reference: 46

Catalog #: 1-786515-300



Tropicamide

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
Hexane/Ethanol
+ 0.1% Acetic Acid

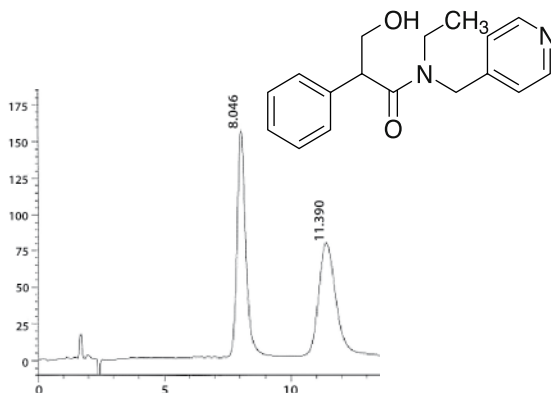
Flow Rate: 1.5 mL/min

Detection: UV 220 nm

k': 3.17

α : 1.55

Catalog #: 1-780101-300,
1-780201-300



Tropicamide

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
CO₂/Ethanol + 0.5% Acetic Acid

Flow Rate: 4.0 mL/min

Temperature: 40°C

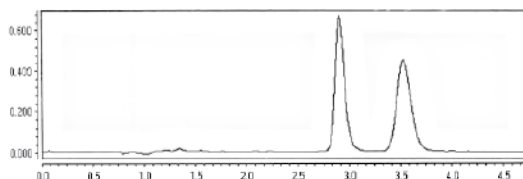
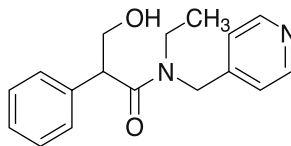
Pressure: 125 bar

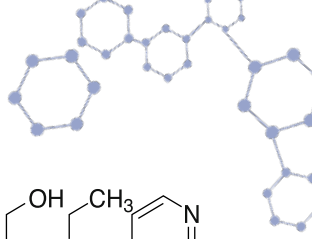
Detection: UV 254 nm

k': 2.88

α : 1.29

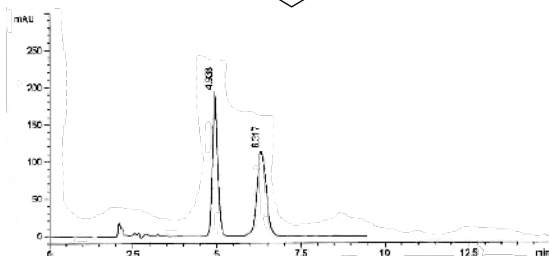
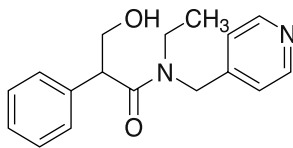
Catalog #: 1-780101-300





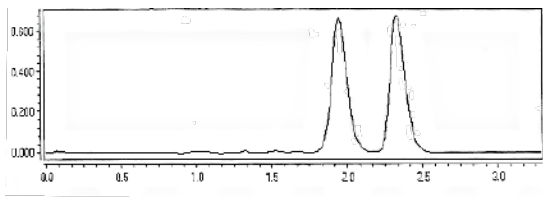
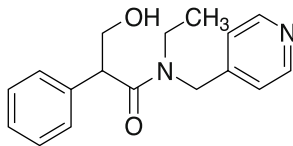
Tropicamide

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
Hexane/Ethanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k'₁: 1.56
k'₂: 2.46
 α : 1.58
Catalog #: 1-783104-300



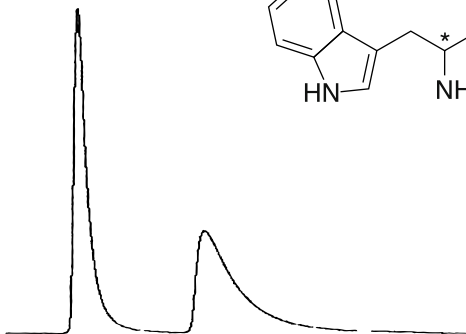
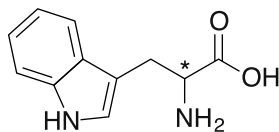
Tropicamide

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 $\text{CO}_2/\text{CH}_3\text{OH}$
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 124 bar
Detection: UV 254 nm
k'₁: 1.59
 α : 1.32
Catalog #: 1-783104-300



Tryptophan

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm
Mobile Phase: (70/30)
 $\text{CH}_3\text{OH}/\text{H}_2\text{O}$
+10 mM Acetic acid
Flow Rate: 1.5 mL/min
Detection: UV 210 nm
Run Time: 11.01 min
k'₁: 4.06
k'₂: 8.72
 α : 2.15
Catalog #: 1-799001-300,
1-799101-300



DL-Tryptophane

Column: ChiroSil ME RCA(+),
5 μm , 15 cm x 4.6 mm

Mobile Phase: (30/70)
0.01% Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

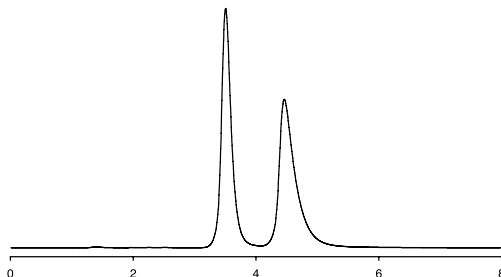
Detection: UV 210 nm

Temperature: 20°C

k': 0.86

α : 1.59

Catalog #: 1-788001-300



Tulobuterol HCl

Column: (S) α -Burke 2,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (91/9)
 CH_2Cl_2 /Ethanol
+ 0.01 M Ammonium Acetate

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

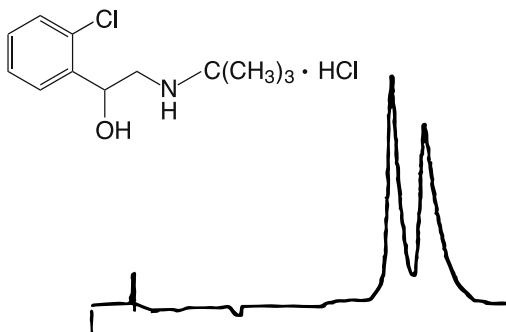
Run Time: 15.0 min

k': 6.38

α : 1.13

Reference: 46

Catalog #: 1-735037-300



Tyrosine

Column: ChiroSil,
5 μm , 15 cm x 4.6 mm

Mobile Phase: (70/30)
 $\text{CH}_3\text{OH}/\text{H}_2\text{O}$

+10 mM Acetic acid

Flow Rate: 1.5 mL/min

Detection: UV 210 nm

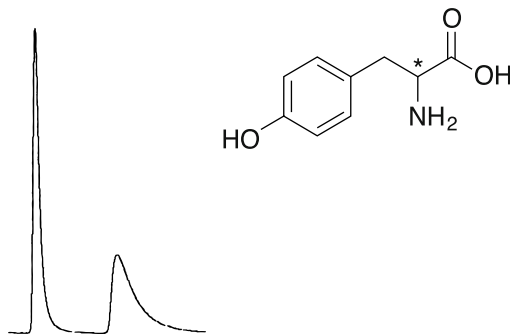
Run Time: 9.09 min

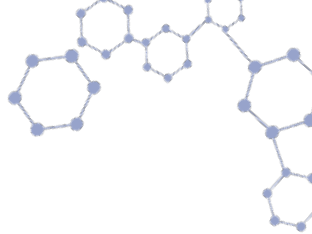
k': 2.95

k'₂: 7.02

α : 2.38

Catalog #: 1-799001-300,
1-799101-300





DL-Tyrosine

Column: ChiroSil ME RCA(+),
5 μ m, 15 cm x 4.6 mm

Mobile Phase: (15/85)
0.01% Phosphoric Acid/MeOH

Flow Rate: 1.0 mL/min

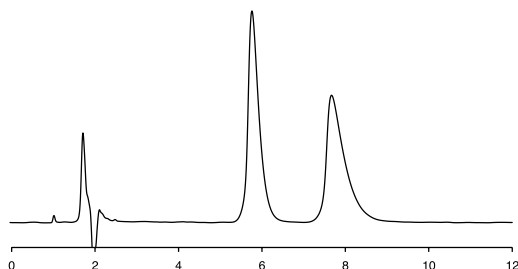
Detection: UV 210 nm

Temperature: 40°C

k': 1.91

α : 1.51

Catalog #: 1-788001-300



U-100057

Column: Whelk-O 1,
5 μ m, 25 cm x 5.1 cm

Mobile Phase: (65/35)

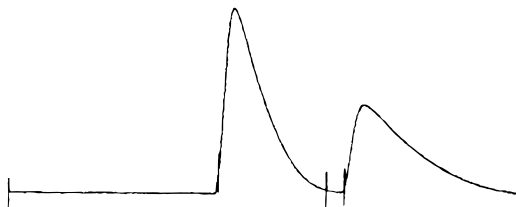
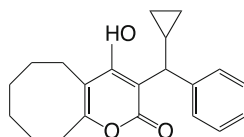
Hexane/IPA

Run Time: 50 min

Sample Prep: 90 mL/min
to 34 min, then 120 mL/min

Sample Load: 1.9 g

Reference: 37



trans-U-50488H

Column: (3R,4S) Pirkle 1-J,
5 μ m, 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

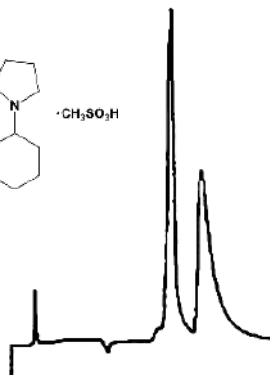
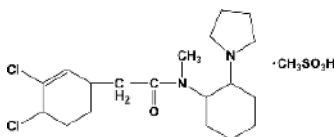
Run Time: 12.0 min

k': 6.71

α : 1.27

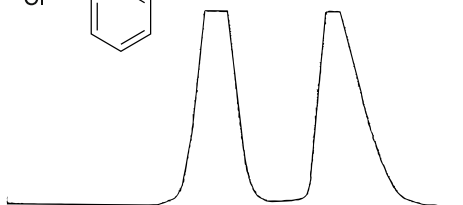
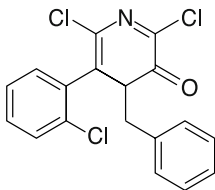
Reference: 46

Catalog #: 1-731044-300



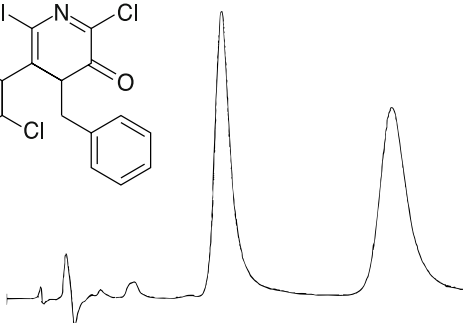
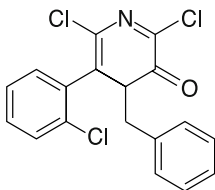
U-94863

Column: Whelk-O 1,
5 μm , 25 cm x 2.1 cm
Mobile Phase: (70/30)
Hexane/IPA + 0.5% HOAc
Flow Rate: 12.0 mL/min
Detection: UV 254 nm
Run Time: 12 min
Sample Load: 40 mg
Reference: 37



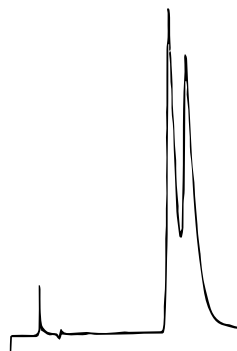
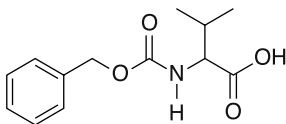
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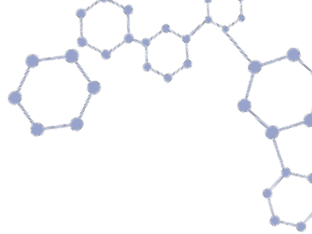
Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (40/60)
Hexane/IPA + 0.5% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 15 min
k': 2.26
 α : 1.95
Reference: 37
Catalog #: 1-780101-300
1-780201-300



CBZ-Val

Column: Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (95/5)
Hexane/IPA + 0.1% HOAc
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
Run Time: 19 min
k': 5.49
 α : 1.13
Reference: 18
Catalog #: 1-780101-300,
1-780201-300





DL- Valine

Column: ChiroSil ME RCA(+),

5 μm , 15 cm x 4.6 mm

Mobile Phase: (20/80)

5 mM Sulfonic Acid/MeOH

Flow Rate: 0.8 mL/min

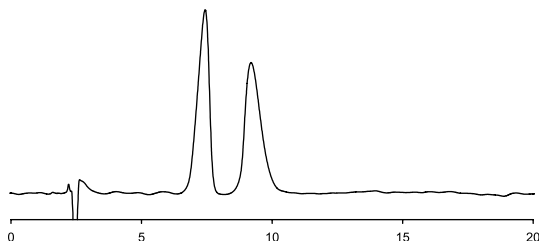
Detection: UV 210 nm

Temperature: 25°C

k': 2.02

α : 1.35

Catalog #: 1-788001-300



N-CBZ-Valine

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: 100%

Ethanol + 0.1% TFA

Flow Rate: 1.0 mL/min

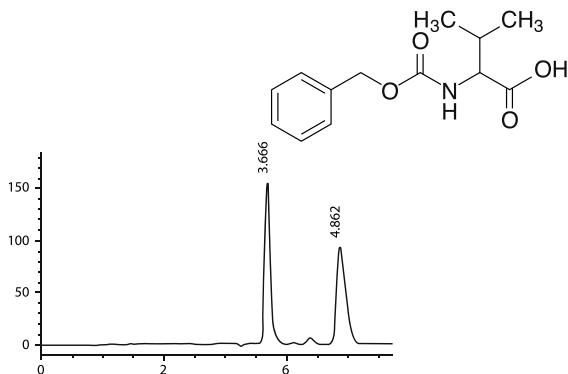
Detection: UV 254 nm

k': 0.26

α : 2.56

CAS #: 3588-63-4

Catalog #: 1-783104-300



N-CBZ-Valine

Column: RegisPack,

5 μm , 25 cm x 4.6 mm

Mobile Phase: (85/15)

CO₂/Ethanol + 0.5% TFA

Flow Rate: 4.0 mL/min

Temperature: 40°C

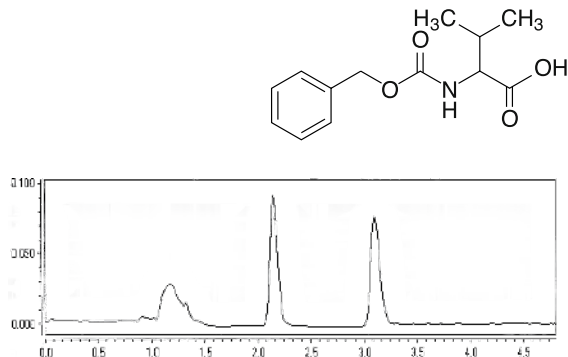
Pressure: 124 bar

Detection: UV 254 nm

k': 1.87

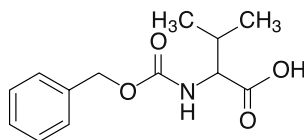
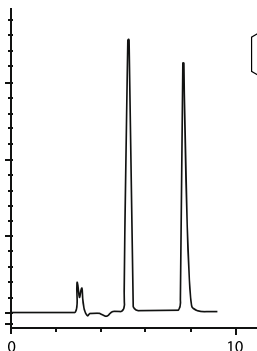
α : 1.68

Catalog #: 1-783104-300



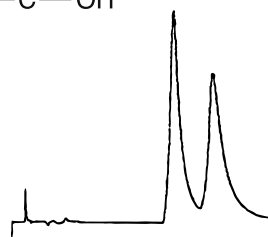
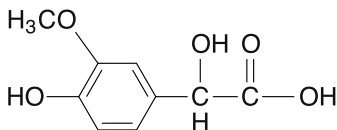
N-CBZ-Valine

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol
+ 0.1% TFA
Flow Rate: 1.0 mL/min
Detection: UV 254 nm
k': 0.75
 α : 2.09
Catalog #: 1-784104-300



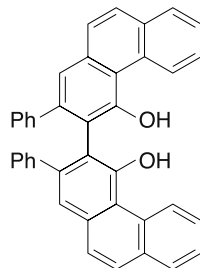
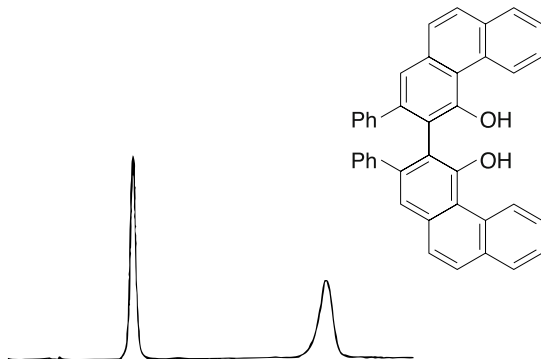
Vanilmandelic Acid

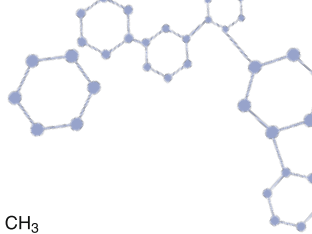
Column: (S,S) Whelk-O 1,
10 μm , 25 cm x 4.6 mm
Mobile Phase: (85/15)
Hexane/Ethanol
+ 0.01 M Ammonium Acetate
Flow Rate: 2.0 mL/min
Detection: UV 254 nm
Run Time: 22.0 min
k': 12.34
 α : 1.27
Reference: 46
Catalog #: 1-786615-300



Vapol

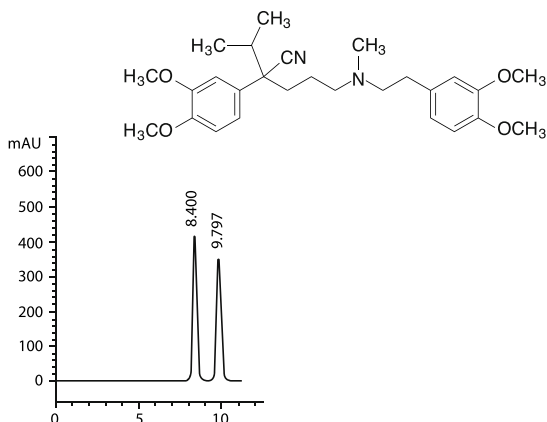
Column: (R,R) ULMO,
5 μm , 25 cm x 4.6 mm
Mobile Phase: 100%
Methanol
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
Run Time: 13 min
k': 1.74
 α : 3.37
Reference: 48
Catalog #: 1-787200-300





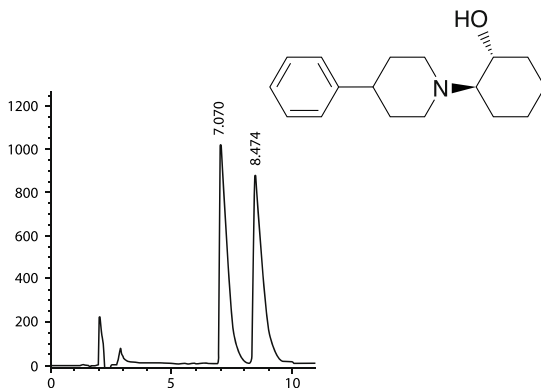
Verapamil

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1% DEA
Flow Rate: 1.0 mL/min
Detection: UV 290 nm
k': 1.90
 α : 1.25
CAS #: 52-53-9
Catalog #: 1-783104-300



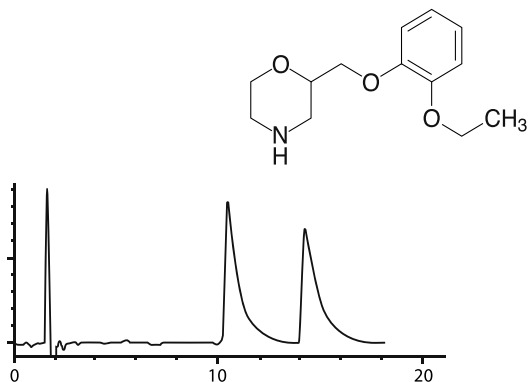
Vesamicol

Column: RegisPack,
5 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/IPA + 0.1% TFA
Flow Rate: 1.5 mL/min
Detection: UV 210 nm
k': 2.72
 α : 1.27
CAS #: 120447-62-3
Catalog #: 1-783104-300



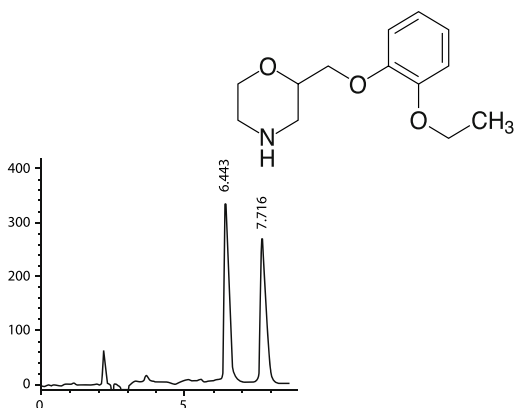
Viloxazine

Column: (R,R) Whelk-O 1,
10 μ m, 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% TFA
Flow Rate: 2.0 mL/min
Detection: UV 220 nm
k': 6.46
 α : 1.42
Catalog #: 1-786515-300



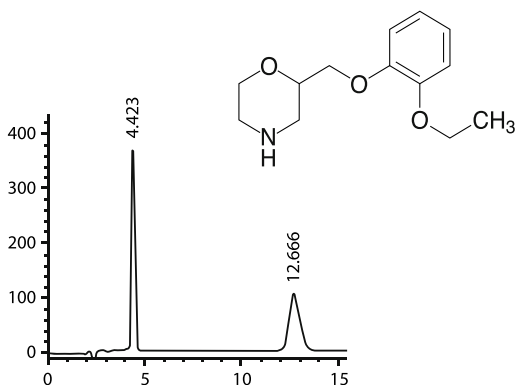
Viloxazine

Column: RegisPack,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (90/10)
Hexane/Ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
Run Time: 12.0 min
k': 2.34
 α : 1.28
CAS #: 46817-91-8
Catalog #: 1-783104-300



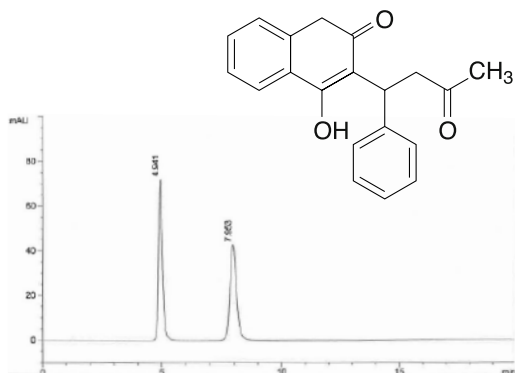
Viloxazine

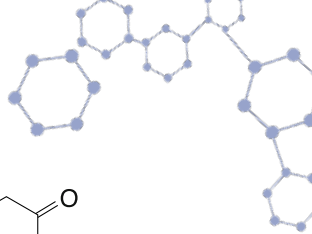
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (50/50)
Hexane/ethanol + 0.1% DEA
Flow Rate: 1.5 mL/min
Detection: UV 220 nm
k': 1.29
 α : 4.31
CAS #: 46817-91-8
Catalog #: 1-784104-300



Warfarin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (60/40)
Hexane/Ethanol
+ 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Detection: UV 254 nm
k': 1.56
 α : 2.00
Catalog #: 1-780101-300





Warfarin

Column: (S,S) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (65/35)
 CO_2 /Ethanol + 0.5% AcAc

Flow Rate: 4.0 mL/min

Temperature: 40°C

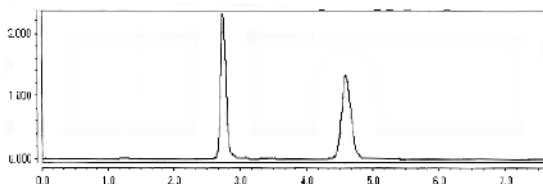
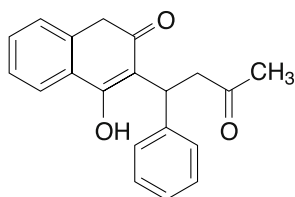
Pressure: 125 bar

Detection: UV 254 nm

k': 2.67

α : 1.92

Catalog #: 1-780101-300



Warfarin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)
Hexane/Ethanol
+ 0.1% Acetic Acid

Flow Rate: 1.5 mL/min

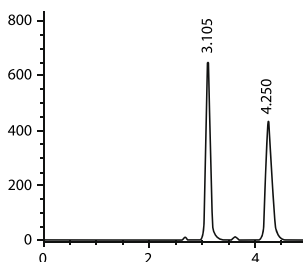
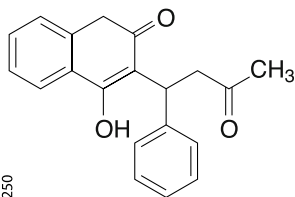
Detection: UV 254 nm

k': 0.63

α : 1.95

CAS #: 81-81-2

Catalog #: 1-783104-300



Warfarin

Column: RegisPack,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (80/20)
 CO_2 /Ethanol

Flow Rate: 4.0 mL/min

Temperature: 40°C

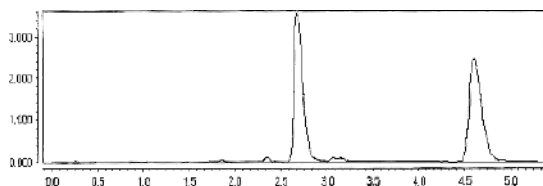
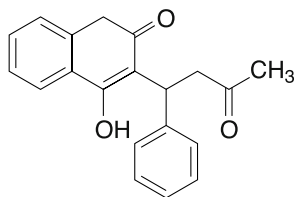
Pressure: 125 bar

Detection: UV 254 nm

k': 2.58

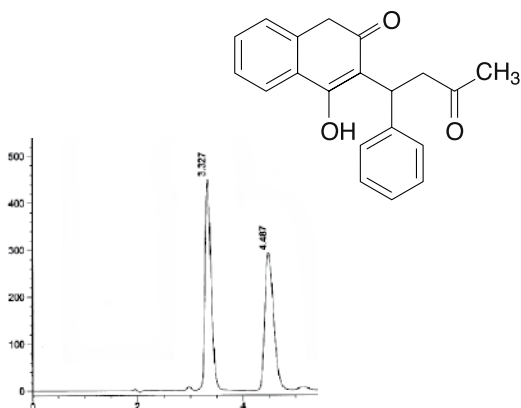
α : 1.99

Catalog #: 1-783104-300



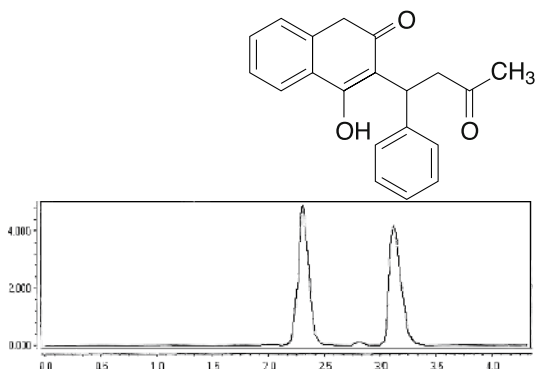
Warfarin

Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (70/30)
Hexane/Ethanol
+ 0.1% Acetic Acid
Flow Rate: 1.5 mL/min
Pressure: 125 bar
Detection: UV 254 nm
k': 0.75
 α : 1.81
Catalog #: 1-784104-300



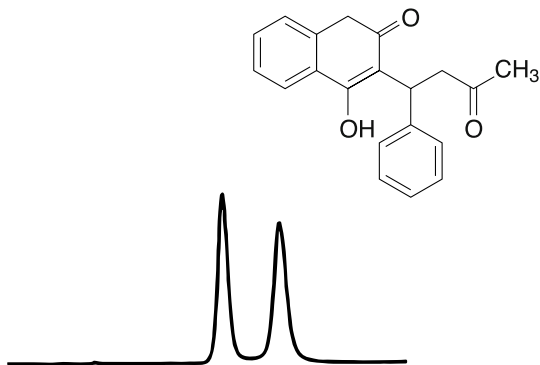
Warfarin

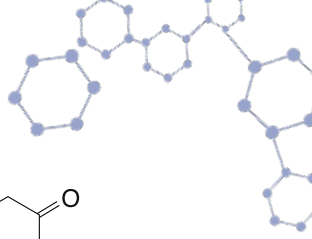
Column: RegisCell,
5 μm , 25 cm x 4.6 mm
Mobile Phase: (80/20)
 CO_2 /Ethanol
Flow Rate: 4.0 mL/min
Temperature: 40°C
Pressure: 125 bar
Detection: UV 254 nm
k': 2.08
 α : 1.52
Catalog #: 1-784104-300



Warfarin

Column: (S,S) ULMO,
5 μm , 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': 0.89
 α : 1.36
Reference: 48
Catalog #: 1-787100-300





Warfarin

Column: (R,R) Whelk-O 1,
5 μm , 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

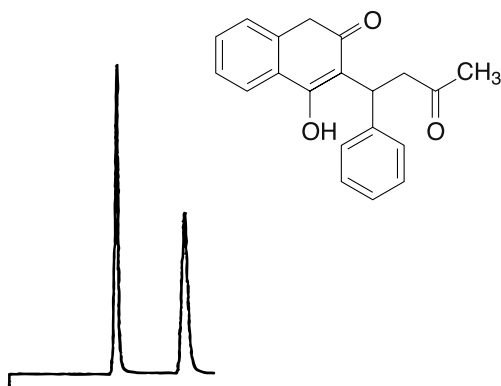
Run Time: 11.5 min

k': 1.54

α : 2.07

Reference: 46

Catalog #: 1-780201-300



Warfarin

Reversed Phase

Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (70/30)

$\text{CH}_3\text{OH}/\text{H}_2\text{O}$ + 0.1% Acetic Acid

Flow Rate: 1.0 mL/min

Detection: UV 254 nm

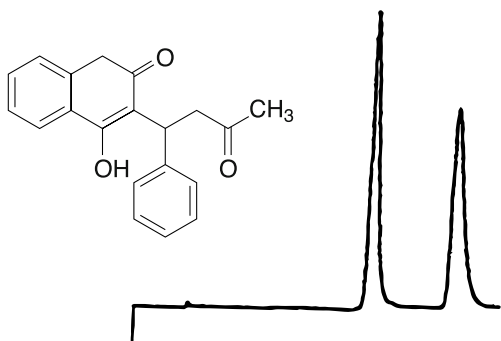
Run Time: 15.0 min

k': 3.54

α : 1.55

Reference: 46

Catalog #: 1-780201-300



Zopiclone

Column: (R,R) Whelk-O 1,
5 μm , 25 cm x 4.6 mm

Mobile Phase: (95/5)

$\text{CH}_2\text{Cl}_2/\text{Ethanol}$

+ 0.01 M Ammonium Acetate

Flow Rate: 1.5 mL/min

Detection: UV 254 nm

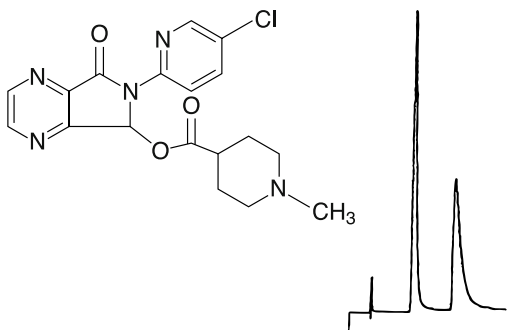
Run Time: 8.5 min

k': 1.94

α : 2.01

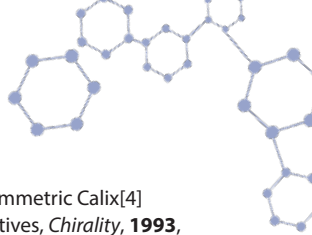
Reference: 46

Catalog #: 1-780201-300



References

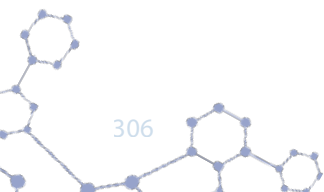
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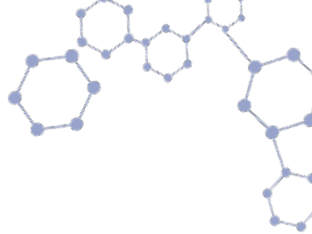


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30. Courtesy of Hal Butler, Sepracor, Inc.
31. Courtesy of Allan Rettie, Department of Medicinal Chemistry, University of Washington.
32. Courtesy of Chet Mathis, Department of Radiology, University of Pittsburgh School of Medicine.
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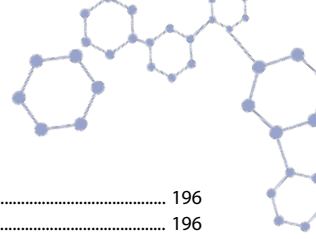




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