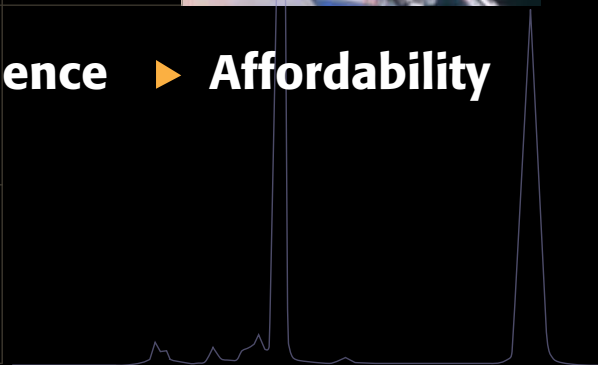


## Regis' Chiral Stationary Phases

Pirkle-Type, Polysaccharide-Based, and Crown Ether Phases



▶ **Quality** ▶ **Convenience** ▶ **Affordability**





### ▶ Excellent Selectivity

Chiral Stationary Phases (CSPs) are made using unique production processes of coating or bonding the proven chiral selectors on high-purity silica gel.

### ▶ Superior Separations

Data shows excellent theoretical plate count and resolution in the separation of a wide range of compounds.

### ▶ Fast Method Development and Run Times

The columns' high pressure limit deliver faster method development and run times without sacrificing resolution or performance.

### ▶ Same Price for SFC and HPLC Columns

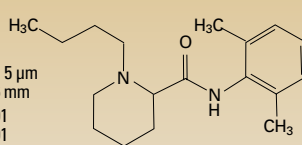
All Regis columns are packed and tested at high pressures for use in both SFC and HPLC mode.

### ▶ High Quality

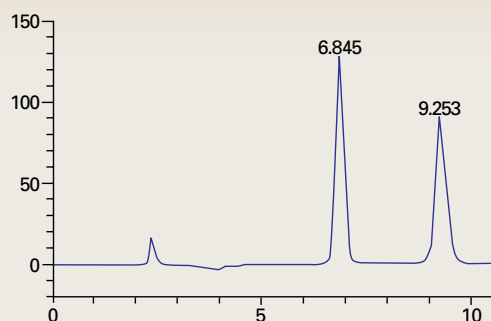
Chiral chromatographers in the pharmaceutical and biotechnology industry now have a comprehensive and high-quality choice for separations using proven chiral selectors.

## Whelk-O<sup>®</sup> 1 1-(3,5-dinitrobenzamido)- 1,2,3,4-tetrahydrophenanthrene

### Bupivacaine



Column Whelk-O<sup>®</sup> 1 5  $\mu$ m  
25 cm x 4.6 mm  
Cat.# (S,S) 780101  
(R,R) 780201  
Mobile Phase (75/25) Hexane/  
IPA +0.1% DEA  
Flow Rate 1.5 mL/min  
Detection UV 254 nm  
 $K'_1$  2.60  
 $\alpha$  1.49



- Broad versatility comparable to polysaccharide-derived CSPs
- Covalent bonding ensures universal solvent compatibility and excellent durability
- Columns available in both enantiomeric forms, which allows for the inversion of peak elution order
- Columns available for HPLC and SFC use

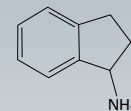
### Whelk-O<sup>®</sup> 1 1-(3,5-dinitrobenzamido)-1,2,3,4-tetrahydrophenanthrene

Particle Size	Column Size	Part #
5 $\mu$ m	(S,S) 25 cm x 4.6 mm i.d.	780101
5 $\mu$ m	(S,S) 25 cm x 21.1 mm i.d.	780107
5 $\mu$ m	(S,S) 25 cm x 30.0 mm i.d.	780103
5 $\mu$ m	(R,R) 25 cm x 4.6 mm i.d.	780201
5 $\mu$ m	(R,R) 25 cm x 21.1 mm i.d.	780207
5 $\mu$ m	(R,R) 25 cm x 30.0 mm i.d.	780203
10 $\mu$ m	(S,S) 25 cm x 4.6 mm i.d.	786615
10 $\mu$ m	(S,S) 25 cm x 21.1 mm i.d.	786635
10 $\mu$ m	(S,S) 25 cm x 30.0 mm i.d.	786702
10 $\mu$ m	(R,R) 25 cm x 4.6 mm i.d.	786515
10 $\mu$ m	(R,R) 25 cm x 21.1 mm i.d.	786535
10 $\mu$ m	(R,R) 25 cm x 30.0 mm i.d.	786708

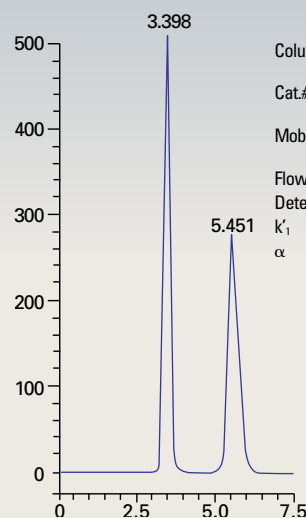
Also available in 16  $\mu$ m

## ChiroSil<sup>®</sup> (+) or (-)-(18-Crown-6)- tetracarboxylic acid

### 1-Aminoindan



Column ChiroSil<sup>®</sup> 5  $\mu$ m  
15 cm x 4.6 mm  
Cat.# RCA(+) 799001  
SCA(-) 799101  
Mobile Phase (84/16) CH<sub>3</sub>OH/  
H<sub>2</sub>O+ 5mM HClO<sub>4</sub>  
Flow Rate 1.0 mL/min  
Detection UV 210 nm  
 $K'_1$  1.64  
 $\alpha$  1.97



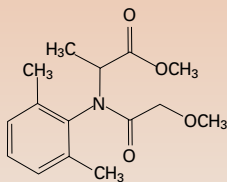
- Best choice for the separation of amino acids and compounds containing primary amines
- Exhibits excellent durability due to covalent bonding
- Columns available in both enantiomeric forms, which allows for the inversion of peak elution order
- Most robust crown ether column for HPLC

### ChiroSil<sup>®</sup> (+) or (-)-(18-Crown-6)-tetracarboxylic acid

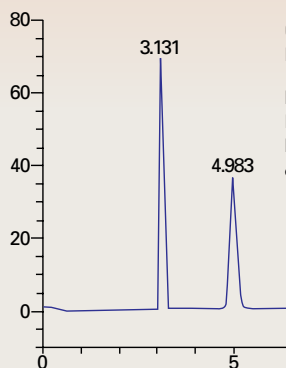
Particle Size	Column Size	Part #
5 $\mu$ m	RCA (+) 15 cm x 4.6 mm i.d.	799001
5 $\mu$ m	RCA (+) 25 cm x 4.6 mm i.d.	799002
5 $\mu$ m	RCA (+) 15 cm x 2.1 mm i.d.	799003
5 $\mu$ m	SCA (-) 15 cm x 4.6 mm i.d.	799101
5 $\mu$ m	SCA (-) 25 cm x 4.6 mm i.d.	799102
5 $\mu$ m	SCA (-) 15 cm x 2.1 mm i.d.	799103

**RegisCell®**  
tris-(3,5-dimethylphenyl)  
carbamoyl cellulose

Metalaxyl

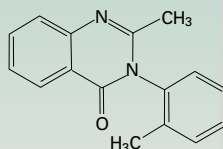


Column RegisCell® 5 µm  
25 cm x 4.6 mm  
Cat.# 784104  
Mobile Phase (75/25)  
Hexane/Ethanol  
Flow Rate 1.5 mL/min  
Detection UV 254 nm  
K<sub>1</sub> 0.64  
α 2.54

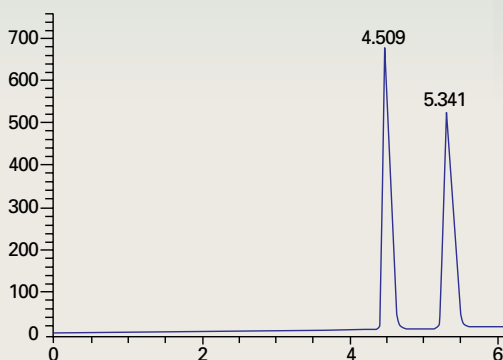


**RegisPack®**  
tris-(3,5-dimethylphenyl)  
carbamoyl amylose

Methaqualone

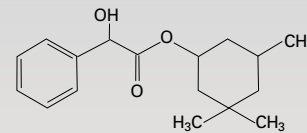


Column RegisPack® 5 µm  
25 cm x 4.6 mm  
Cat.# 783104  
Mobile Phase 100% Methanol  
+0.1% DEA  
Flow Rate 1.0 mL/min  
Detection UV 254 nm  
K<sub>1</sub> 1.37  
α 1.32

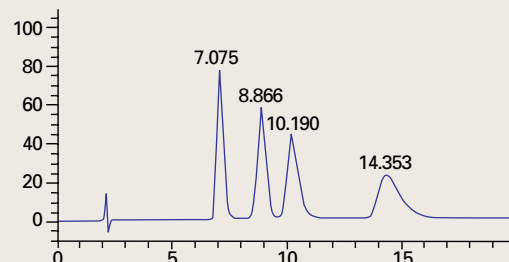


**RegisPack CLA-1™**  
tris-(5-chloro-2-methylphenyl)  
carbamoyl amylose

Cyclandelate



Column RegisPack CLA-1™  
5 µm  
25 cm x 4.6 mm  
Cat.# 793104  
Mobile Phase (95/5)  
Hexane/Ethanol  
Flow Rate 1.5 mL/min  
Detection UV 220 nm  
K<sub>1</sub> 2.72  
K<sub>2</sub> 3.67  
α (1,2) 1.35  
K<sub>3</sub> 4.36  
K<sub>4</sub> 6.55  
α (3,4) 1.50



- Key chiral columns with the most general applicability for the separation of enantiomers
- High pressure limit (450 bar) delivers faster run times and equilibration
- RegisPack® and RegisCell® are coated phases with similar selectivities to the CHIRALPAK® AD and CHIRALCEL® OD respectively
- Ability to run under normal phase, reverse phase and SFC conditions\*
- RegisPack® and RegisCell® bring new recognition abilities to Regis' chiral product range

\* Consult the Regis care and use guide for full details on solvent recommendation

- NEW, coated chlorinated amylose phase
- Ability to complement other Regis chiral columns for specific separations
- Similar selectivity to the CHIRALPAK® AY
- Applicable for HPLC and SFC methods

**RegisCell®** tris-(3,5-dimethylphenyl) carbamoyl cellulose

Particle Size	Column Size	Part #
5 µm	15 cm x 4.6 mm i.d.	784103
5 µm	25 cm x 4.6 mm i.d.	784104
5 µm	25 cm x 10.0 mm i.d.	784105
5 µm	25 cm x 21.1 mm i.d.	784106
5 µm	25 cm x 30.0 mm i.d.	784107
5 µm	25 cm x 50.0 mm i.d.	784108
10 µm	15 cm x 4.6 mm i.d.	784203
10 µm	25 cm x 4.6 mm i.d.	784204
10 µm	25 cm x 10.0 mm i.d.	784205
10 µm	25 cm x 21.1 mm i.d.	784206
10 µm	25 cm x 30.0 mm i.d.	784207
10 µm	25 cm x 50.0 mm i.d.	784208

Also available in 20 µm

**RegisPack®** tris-(3,5-dimethylphenyl) carbamoyl amylose

Particle Size	Column Size	Part #
5 µm	15 cm x 4.6 mm i.d.	783103
5 µm	25 cm x 4.6 mm i.d.	783104
5 µm	25 cm x 10.0 mm i.d.	783105
5 µm	25 cm x 21.1 mm i.d.	783106
5 µm	25 cm x 30.0 mm i.d.	783107
5 µm	25 cm x 50.0 mm i.d.	783108
10 µm	15 cm x 4.6 mm i.d.	783203
10 µm	25 cm x 4.6 mm i.d.	783204
10 µm	25 cm x 10.0 mm i.d.	783205
10 µm	25 cm x 21.1 mm i.d.	783206
10 µm	25 cm x 30.0 mm i.d.	783207
10 µm	25 cm x 50.0 mm i.d.	783208

Also available in 20 µm

**RegisPack CLA-1™** tris-(5-chloro-2-methylphenyl) carbamoyl amylose

Particle Size	Column Size	Part #
5 µm	15 cm x 4.6 mm i.d.	793103
5 µm	25 cm x 4.6 mm i.d.	793104
5 µm	25 cm x 10.0 mm i.d.	793105
5 µm	25 cm x 21.1 mm i.d.	793106
5 µm	25 cm x 30.0 mm i.d.	793107
5 µm	25 cm x 50.0 mm i.d.	793108
10 µm	15 cm x 4.6 mm i.d.	793203
10 µm	25 cm x 4.6 mm i.d.	793204
10 µm	25 cm x 10.0 mm i.d.	793205
10 µm	25 cm x 21.1 mm i.d.	793206
10 µm	25 cm x 30.0 mm i.d.	793207
10 µm	25 cm x 50.0 mm i.d.	793208

# Regis Technologies – The Comprehensive Solution for Chiral Separations

## ► Broad Selection of Additional Chiral Stationary Phases

Regis Technologies is proud to be a leader in chiral separations, serving both analytical and preparative needs of chromatographers and researchers worldwide. We manufacture columns in various particle sizes and dimensions. For preparative scale separations, bulk material is available.



### Pirkle-Type

Whelk-O® 1  
Whelk-O® 2  
DACH-DNB  
ULMO  
 $\alpha$ -Burke 2  
 $\beta$ -Gem 1  
Leucine  
Phenylglycine  
Pirkle 1-J

### Polysaccharide- Based

RegisPack®  
RegisCell®  
RegisPack CLA-1™

### Crown Ether

ChiroSil®

### About Regis Technologies, Inc.

Regis Technologies, Inc., is a privately held company that provides synthesis and separations services to the pharmaceutical, biotechnology and other related industries. Regis is dedicated to supplying high-quality and innovative chromatography products and services, especially those with a chiral emphasis, through the utilization of our extensive organic expertise and collegiate collaborations.

### ► FREE Chiral Screening

Regis Technologies offers free chiral screening on its proprietary phases. Regis is your first and only stop in determining which stationary phase meets your compound's needs.

For more information

Phone 847.967.6000

Email [sales@registech.com](mailto:sales@registech.com)

Web [www.RegisTech.com](http://www.RegisTech.com)



8210 Austin Avenue  
Morton Grove, IL 60053-0519 USA

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