

**Not sure which column
to use to separate
your compound.**

We can help!

**Contact us regarding
our Free Chiral
Screening Service:**

800-323-8144, ext 662



8210 Austin Ave.
Morton Grove, IL 60053

For more information:

Phone: (800) 323-8144 ext. 662
(847) 583-7662

Fax: (847) 967-1214

E-mail: sales@registech.com

Web site: www.registech.com

Other Chiral HPLC Columns from Regis:

Whelk-O 1

Pirkle 1-J

Phenylglycine

Chiral AGP

Davankov Ligand
Exchange

ULMO

α -Burke 2

Leucine

Chiral HSA

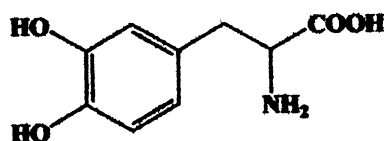
DACH-DNB

β -Gem

Naphthylleucine

Chiral CBH

Bulk Material and Preparative Columns Available



Sample: DOPA

Column: ChiroSil®

RCA(+) or SCA(-)

15 cm x 4.6 mm

Mobile Phase:

(70/30) CH₃OH/H₂O

+0.01% Phosphoric acid

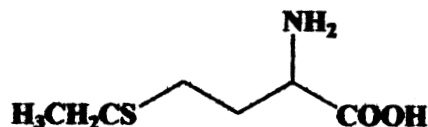
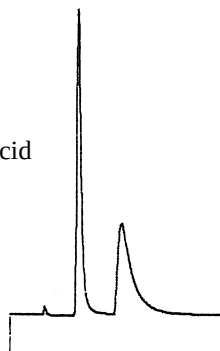
Flow Rate: 1.0 mL/min

Detection: UV 210 nm

Run Time: 5.5 min

k'₁: 0.97

α : 2.30



Sample: Ethionine

Column: ChiroSil®

RCA(+) or SCA(-)

15 cm x 4.6 mm

Mobile Phase:

(75/25) CH₃OH/H₂O

+0.02% Acetic acid

Flow Rate: 1.0 mL/min

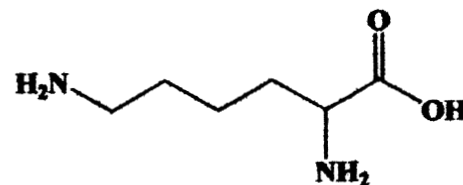
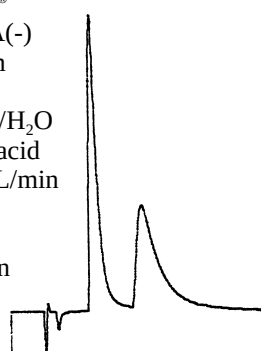
Detection:

UV 210 nm

Run Time: 6.2 min

k'₁: 1.29

α : 2.07



Sample: Lysine

Column: ChiroSil®

RCA(+) or SCA(-)

15 cm x 4.6 mm

Mobile Phase:

(70/30) CH₃OH/H₂O

+0.01% Phosphoric acid

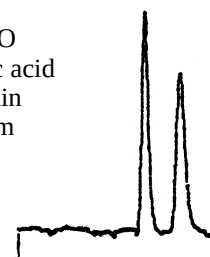
Flow Rate: 1.0 mL/min

Detection: UV 210 nm

Run Time: 5.3 min

k'₁: 1.44

α : 1.48



Product List

** Prep sizes available

☐ **ChiroSil® RCA(+)**
15 cm x 4.6 mm 5 μ m, 100 Å
Cat# 799001.....\$1,650

☐ **ChiroSil® RCA(+)**
25 cm x 4.6 mm 5 μ m, 100 Å
Cat# 799002.....\$1,800

☐ **ChiroSil® SCA(-)**
15 cm x 4.6 mm 5 μ m, 100 Å
Cat# 799101.....\$1,650

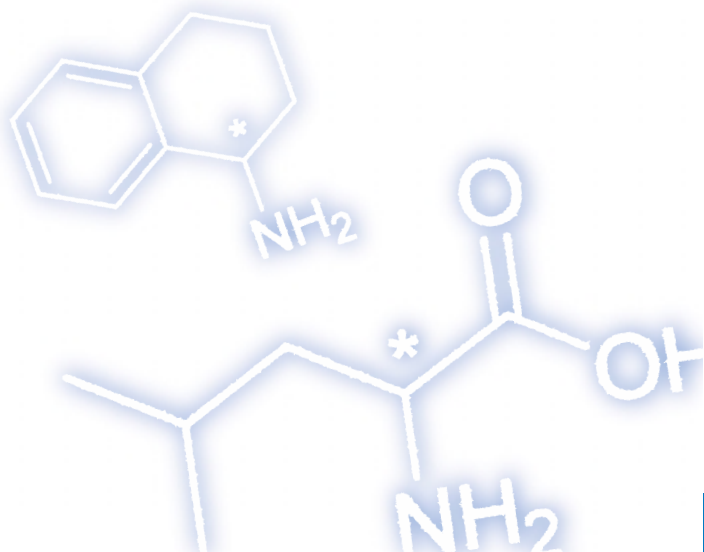
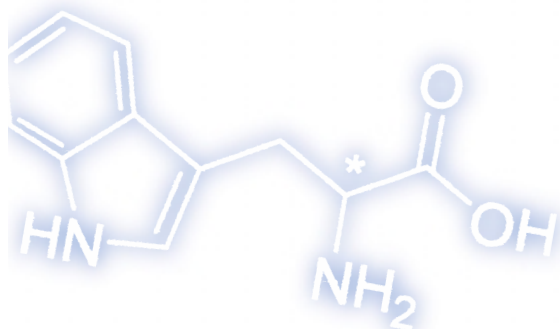
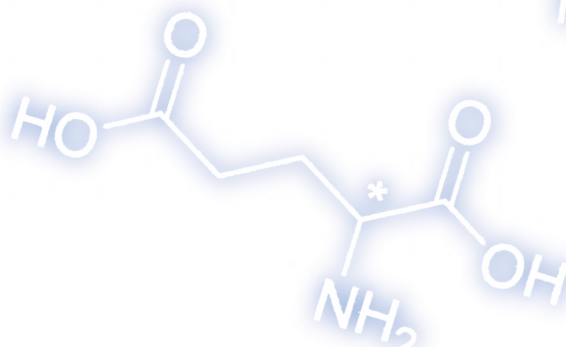
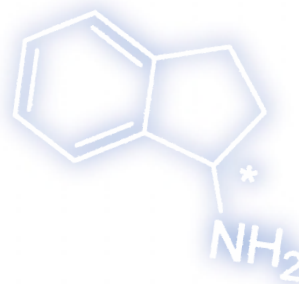
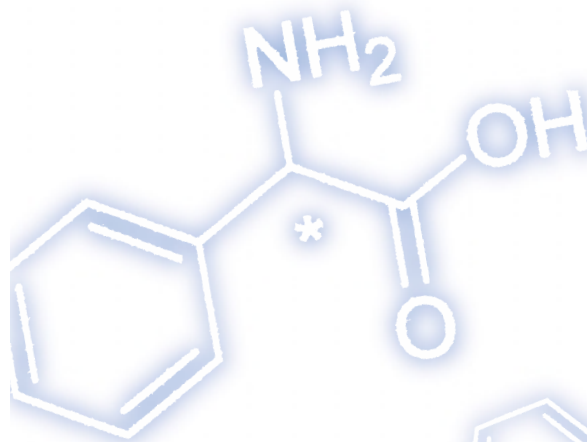
☐ **ChiroSil® SCA(-)**
25 cm x 4.6 mm 5 μ m, 100 Å
Cat# 799102.....\$1,800

RStech Corporation

CHIROSIL[®]

RCA(+) and SCA(-)

CHIRAL HPLC COLUMNS



EXCLUSIVE U.S. DISTRIBUTOR

Regis is proud to introduce the newest member to its chiral family...

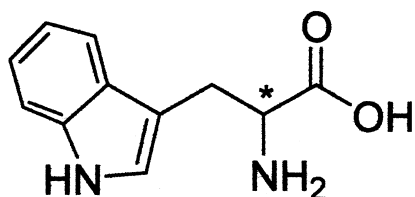
the ChiroSil® RCA(+) and SCA(-) chiral stationary phases. Developed by RStech Corporation in Daejeon, Korea, the ChiroSil phase is the newest addition to our chiral line of columns. This phase is prepared by a covalent trifunctional bonding of (+) or (-) – (18-Crown-6)-tetracarboxylic acid as the chiral selector.



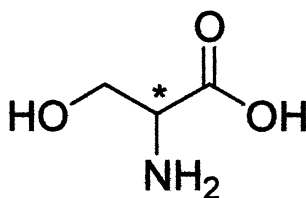
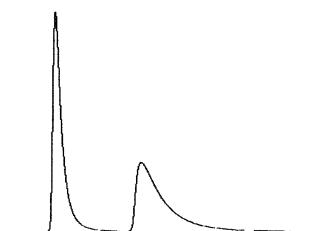
This phase, which is available in analytical as well as preparative columns, is an excellent choice for the separation of amino acids and compounds containing primary amines.

Like our other line of columns, this phase is highly durable, has universal solvent compatibility, and has the ability to invert elution order.

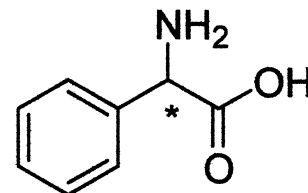
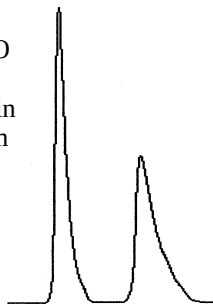
Check out our website: www.registech.com/chiral/



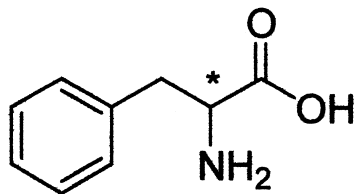
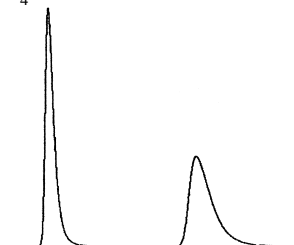
Sample: Tryptophan
Column: ChiroSil® RCA(+) or SCA(-)
15 cm x 4.6 mm
Mobile Phase: (70/30) CH₃OH/H₂O
+10 mM Acetic acid
Flow Rate:
1.5 mL/min
Detection:
UV 210 nm
Run Time:
11.0 min
 k'_1 : 4.06
 α : 2.15



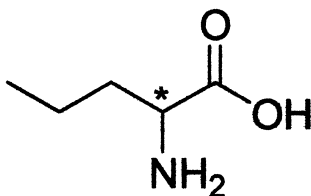
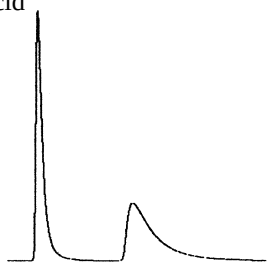
Sample: Serine
Column: ChiroSil® RCA(+) or SCA(-)
15 cm x 4.6 mm
Mobile Phase:
(84/16) CH₃OH/H₂O
+5 mM HClO₄
Flow Rate: 0.8 mL/min
Detection: UV 210 nm
Run Time: 6.0 min
 k'_1 : 1.37
 α : 1.99



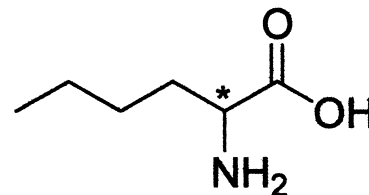
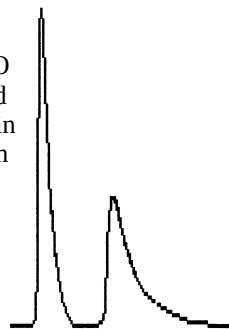
Sample: Phenylglycine
Column: ChiroSil® RCA(+) or SCA(-)
15 cm x 4.6 mm
Mobile Phase: (70/30) CH₃OH/H₂O
+10 mM H₂SO₄ and 0.1% TEA
Flow Rate:
1.0 mL/min
Detection:
UV 210 nm
Run Time:
13.1 min
 k'_1 : 3.14
 α : 2.60



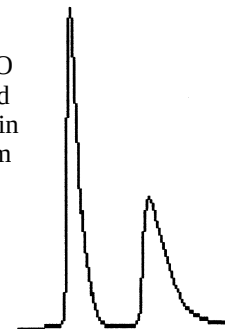
Sample: Phenylalanine
Column: ChiroSil® RCA(+) or SCA(-)
15 cm x 4.6 mm
Mobile Phase: (70/30) CH₃OH/H₂O
+10 mM Acetic acid
Flow Rate:
1.5 mL/min
Detection:
UV 210 nm
Run Time: 8.9 min
 k'_1 : 2.66
 α : 2.57

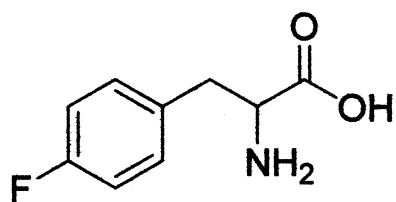


Sample: Norvaline
Column: ChiroSil® RCA(+) or SCA(-)
15 cm x 4.6 mm
Mobile Phase:
(45/55) CH₃OH/H₂O
+10 mM Acetic acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 5.3 min
 k'_1 : 1.15
 α : 1.79

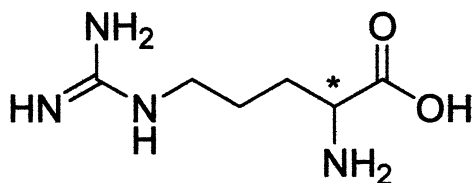
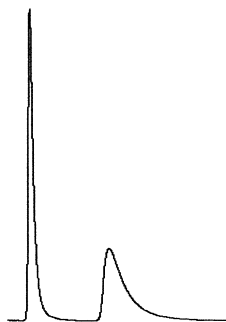


Sample: Norleucine
Column: ChiroSil® RCA(+) or SCA(-)
15 cm x 4.6 mm
Mobile Phase:
(45/55) CH₃OH/H₂O
+10 mM Acetic acid
Flow Rate: 1.0 mL/min
Detection: UV 210 nm
Run Time: 5.6 min
 k'_1 : 1.28
 α : 1.75

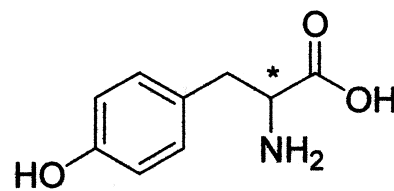
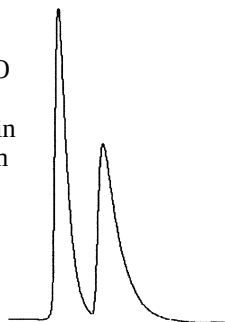




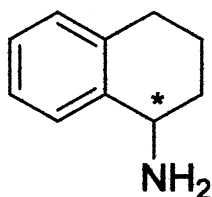
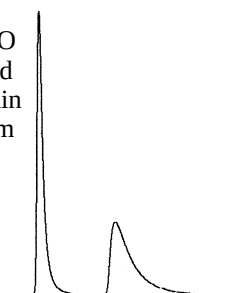
Sample: 4-Fluorophenylalanine
 Column: ChiroSil® RCA(+) or SCA(-)
 15 cm x 4.6 mm
 Mobile Phase:
 (70/30) CH₃OH/H₂O
 +10 mM Acetic acid
 Flow Rate: 1.5 mL/min
 Detection: UV 210 nm
 Run Time: 9.6 min
 k'_1 : 2.92
 α : 2.56



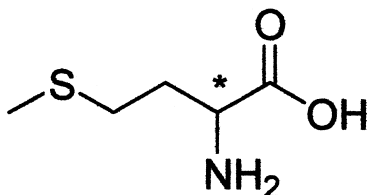
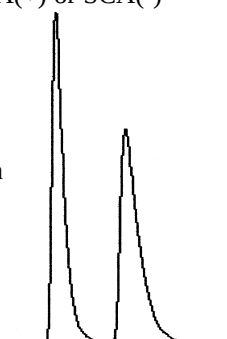
Sample: Arginine
 Column: ChiroSil® RCA(+) or SCA(-)
 15 cm x 4.6 mm
 Mobile Phase:
 (84/16) CH₃OH/H₂O
 +10 mM H₂SO₄
 Flow Rate: 0.8 mL/min
 Detection: UV 210 nm
 Run Time: 4.9 min
 k'_1 : 1.21
 α : 1.64



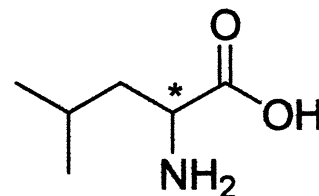
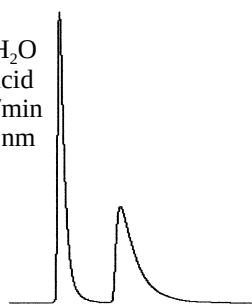
Sample: Tyrosine
 Column: ChiroSil® RCA(+) or SCA(-)
 15 cm x 4.6 mm
 Mobile Phase:
 (70/30) CH₃OH/H₂O
 +10 mM Acetic acid
 Flow Rate: 1.5 mL/min
 Detection: UV 210 nm
 Run Time: 9.1 min
 k'_1 : 2.95
 α : 2.38



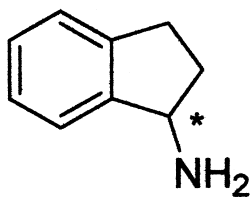
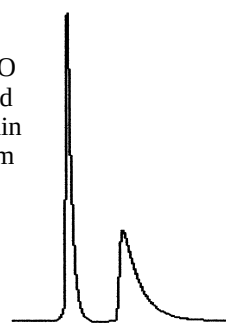
Sample: 1,2,3,4-Tetrahydro-1-naphthylamine
 Column: ChiroSil® RCA(+) or SCA(-)
 15 cm x 4.6 mm
 Mobile Phase:
 (84/16) CH₃OH/H₂O
 +10 mM H₂SO₄ and
 0.1% TEA
 Flow Rate: 1.0 mL/min
 Detection: UV 210 nm
 Run Time: 3.5 min
 k'_1 : 0.82
 α : 1.76



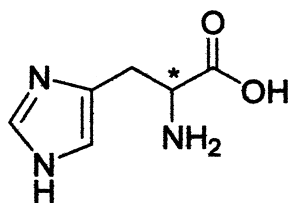
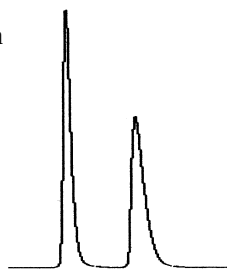
Sample: Methionine
 Column: ChiroSil® RCA(+) or SCA(-)
 15 cm x 4.6 mm
 Mobile Phase:
 (45/55) CH₃OH/H₂O
 +10 mM Acetic acid
 Flow Rate: 1.0 mL/min
 Detection: UV 210 nm
 Run Time: 7.5 min
 k'_1 : 1.64
 α : 2.04



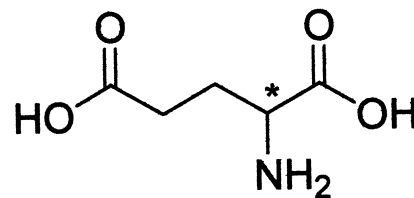
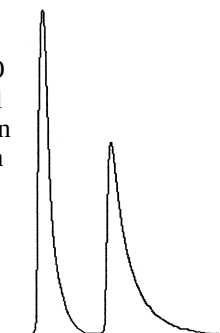
Sample: Leucine
 Column: ChiroSil® RCA(+) or SCA(-)
 15 cm x 4.6 mm
 Mobile Phase:
 (45/55) CH₃OH/H₂O
 +10 mM Acetic acid
 Flow Rate: 1.0 mL/min
 Detection: UV 210 nm
 Run Time: 5.5 min
 k'_1 : 1.03
 α : 2.14



Sample: 1-Aminoindan
 Column: ChiroSil® RCA(+) or SCA(-)
 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 : 1.44
 α : 1.91



Sample: Histidine
 Column: ChiroSil® RCA(+) or SCA(-)
 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'_1 : 10.96
 α : 1.27



Sample: Glutamic Acid
 Column: ChiroSil® RCA(+) or SCA(-)
 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'_1 : 0.71
 α : 2.27

