

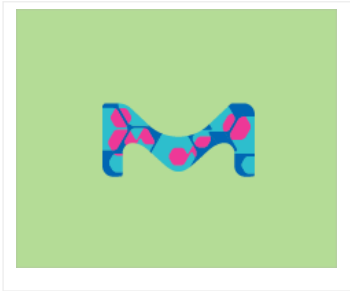


20018AST Supelco

Astec® CYCLOBOND® I 2000 Chiral HPLC Column

5 µm particle size, L × I.D. 10 cm × 2.1 mm

eCl@ss 32110501



FDS		Similar Products	
Conditionnement - SKU		Disponibilité	Prix (EUR) Quantité
20018AST	Expédition estimée le 14.09.18	1,412.00	0
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Propriétés

Related Categories	Analytical/Chromatography, Astec CYCLOBOND Chiral HPLC Columns (Native and Derivatized Cyclodextrins), CYCLOBOND I 2000, Chiral HPLC Columns, HPLC Less...
packaging	pkg of 1 ea
application(s)	HPLC: suitable
L × I.D.	10 cm × 2.1 mm
matrix	silica particle platform
matrix active group	cyclodextrin, beta- phase
particle size	5 µm
pore size	100 Å
mode of chromatography	chiral
montrer moins de résultats	

Description

General description
CYCLOBOND I 2000 is bonded with β-cyclodextrin by a patented process to produce a stable matrix with the cyclodextrin arranged in such a way as to retain its most valuable property of forming inclusion complexes. This allows them to effect numerous chemical separations by selectively including into their cavities a wide variety of organic molecules. Non-inclusion type separations are also possible with the polar organic mode for a wide variety of molecule types.

• Bonded phase: Underivatized, native β-cyclodextrin

Resources:
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Legal Information
Astec is a registered trademark of Sigma-Aldrich Co. LLC
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Informations Sécurité

Aucune information relative à la sécurité de ce produit est actuellement disponible.

Documents

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 Rudolf Köhling, Roland Meier, Bernhard Schönenberger and Roland Wohlgemuth

Sigma-Aldrich®, Buchs, Switzerland
 Biofiles, Vol. 8, No. 17

Keywords: Buffers, Chromatography, High performance liquid chromatography, Individual protein Immunoprecipitation, Mass spectrometry, Metabolites, Separation, Solvents

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High-performance liquid chromatography of diastereomeric flavanone glycosides in Citrus on a β -cyclodextrin-bonded stationary phase (Cyclobond I) Krause, Martin; Galensa, Rudolf Journal of Chromatography A 588 (1-2), 41-45, (1991)

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Analytical method development for directed enzyme evolution research: a high throughput high-performance liquid chromatography method for analysis of ribose and ribitol and a capillary electrophoresis method for the separation of ribose enantiomers.

Baoguo Sun et. al

Journal of chromatography. A, 1271(1), undefined (2012-12-15)

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Ying Liu et. al

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The enantioselective determination of chlorpheniramine and its major metabolites in human plasma using chiral chromatography on a beta-cyclodextrin chiral stationary phase and mass spectrometric detection.

Karen M Fried et. al

Journal of pharmaceutical and biomedical analysis, 27(3-4), undefined (2002-1-5)

A sensitive enantioselective high-performance liquid chromatographic (HPLC) method has been developed for the simultaneous determination of plasma concentrations of (-)(R)- and (+)(S)-chlorpheniramine (CP) and their metabolites, desmethyl-chlorphenir...[Read More](#)

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High-performance liquid chromatographic separation and on-line mass spectrometric detection of saturated and unsaturated oligogalacturonic acids.

Thomas Stoll et. al

Carbohydrate research, 337(24), undefined (2002-12-21)

A method for the simultaneous determination of saturated and unsaturated oligogalacturonic acids up to degree of polymerization (dp) of 7 by high-performance liquid chromatography (HPLC) is presented. For this purpose, a Cyclobond I 2000 column and a...[Read More](#)



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Separation of chiral furan derivatives by liquid chromatography using cyclodextrin-based chiral stationary phases.

Xinxin Han et. al

Journal of chromatography. A, 1063(1-2), undefined (2005-2-11)

The enantiomeric separation of a set of 30 new chiral furan derivatives has been achieved on native and derivatized beta-cyclodextrin stationary phases using high performance liquid chromatography (HPLC). The hydroxypropyl-beta-cyclodextrin (Cyclobon...[Read More](#)

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Separation of stereoisomers of sertraline and its related enantiomeric impurities on a dimethylated beta-cyclodextrin stationary phase by HPLC.

R Nageswara Rao et. al

Journal of pharmaceutical and biomedical analysis, 50(3), undefined (2009-6-9)

A reversed-phase high-performance liquid chromatographic (HPLC) method was developed and validated for evaluating the chiral discrimination ability of CYCLOBOND I 2000 DM chiral stationary phase (CSP) towards sertraline and its related enantiomers. T...[Read More](#)

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Screening approach, optimisation and scale-up for chiral liquid chromatography of cathinones.

R Wimal H Perera et. al

Journal of chromatography. A, 1269, undefined (2012-11-24)

Screening approaches adopted in pharmaceutical companies for chiral LC method development may be quite complicated and sophisticated in order to guarantee a high success rate. However in other environments it may be of more value to assess how simple...[Read More](#)

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Assessment of chiral stationary phases for suitability for combined enantiomeric impurity/related substances assays.

R Wimal H Perera and W John Lough

Journal of chromatography. A, 1218(48), undefined (2011-11-2)

Chiral stationary phases (CSP) for LC had a major impact on pharmaceutical R&D when they first became commercially available in the 1980s. Even although the use of CSP in pharmaceutical R&D is now very much a mature area, there is still scope for usi...[Read More](#)

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Separation of oxazepam, lorazepam, and temazepam enantiomers by HPLC on a derivatized cyclodextrin-bonded phase: application to the determination of oxazepam in plasma.

Chuong Pham-Huy et. al

Journal of biochemical and biophysical methods, 54(1-3), undefined (2003-1-25)

The enantioselective high-performance liquid chromatography (HPLC) of three racemic 3-hydroxybenzodiazepines, oxazepam (Oxa), lorazepam (Lor), and temazepam (Tem), is a difficult operation because of the spontaneous chiral inversion in polar solvent....[Read More](#)

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HPLC and 1H-NMR study of chiral recognition in some thromboxane antagonists induced by beta-cyclodextrin.

A F Casy et. al

Journal of pharmaceutical and biomedical analysis, 9(10-12), undefined (1991-1-1)

The interaction of beta-cyclodextrin with a series of structurally related chiral thromboxane antagonists was investigated using NMR and RP-HPLC. HPLC studies used both a cyclodextrin bonded phase (Cyclobond I), and beta-cyclodextrin as a mobile phas...[Read More](#)

Liquid chromatographic resolution of enantiomers of deltahedral carborane and metallaborane derivatives Plesek, Jaromir, et al. Journal of Chromatography A 626 (2), 197-206, (1992)

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Chiral stationary phases in HPLC for the stereoselective determination of methadone.

S Rudaz and J L Veuthey

Chirality, 11(4), undefined (1999-5-29)

An extensive study of the behavior of three chiral stationary phases (CSP) is presented for the stereoselective determination of methadone. The following chromatographic columns were selected: a cellulose, Chiralcel OJ; a modified cyclodextrin. Cyclo...[Read More](#)

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High-performance liquid chromatographic enantioseparation of bicyclic 1,3-amino alcohols.

A Péter et. al

Journal of chromatography. A, 919(1), undefined (2001-7-19)

Different high-performance liquid chromatographic methods were developed for the separation and identification of enantiomers of diendo- and diexo-3-aminobicyclo[2.2.1]heptane-2-methanol and diendo- and diexo-3-amino-bicyclo[2.2.1]hept-5-ene-2-methan...[Read More](#)

Chiral separations of ?-blocking drug substances using chiral stationary phases Ekelund, Jens, et al. Journal of Chromatography A 708 (2), 253-261, (1995)

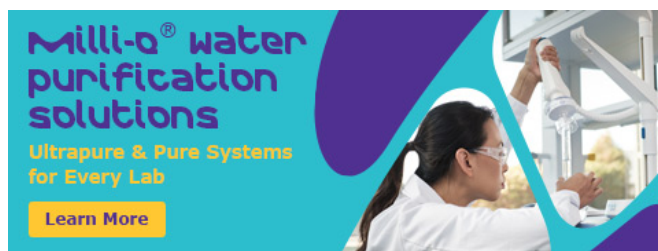
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