

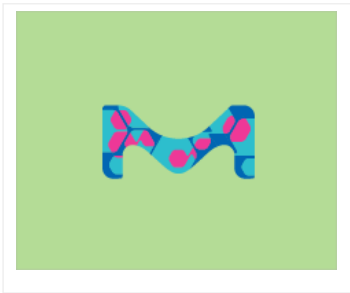


20724AST Supelco

Astec® CYCLOBOND® I 2000 DMP Chiral HPLC Column

5 µm particle size, L × I.D. 25 cm × 4.6 mm

eCl@ss 32110501



FDS

Similar Products

Conditionnement - SKU	Disponibilité	Prix (EUR)	Quantité
20724AST	Expédition estimée le 17.09.18	2,173.00	0

Commandes Bulk?

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Propriétés

Related Categories	Analytical/Chromatography, Astec CYCLOBOND Chiral HPLC Columns (Native and Derivatized Cyclodextrins), CYCLOBOND I 2000 DMP, Chiral HPLC Columns, HPLC, Plus...
packaging	pkg of 1 ea
application(s)	HPLC: suitable
L × I.D.	25 cm × 4.6 mm
matrix	silica particle platform
matrix active group	cyclodextrin, beta- phase
particle size	5 µm
pore size	100 Å
suitability	suitable for L45 per USP
mode of chromatography	chiral

montrer moins de résultats

Description

General description
The reaction of the 3,5-dimethylphenyl isocyanate with the hydroxyl groups of β-cyclodextrin results in a pi-basic phase similar in character to the naphthylethyl carbamate phases. The selectivity is greater for the CYCLOBOND I 2000 DMP when the chiral center of the analyte is part of a ring structure or is on the α carbon. This phase has been very useful for derivatized amines, like amphetamine ACQ.

• Bonded phase: 3,5-Dimethylphenyl carbamate modified β-cyclodextrin

Recommended products
Discover LiChropur reagents ideal for **HPLC** or **LC-MS** analysis

Legal Information
Astec is a registered trademark of Sigma-Aldrich Co. LLC
CYCLOBOND is a registered trademark of Sigma-Aldrich Co. LLC

Informations Sécurité

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

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Protocoles et articles

Articles

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David S Bell, Denise Wallworth
Reporter US Volume 33.4
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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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Enantiomeric separations of illicit drugs and controlled substances using cyclofructan-based (LARIHC) and cyclobond I 2000 RSP HPLC chiral stationary phases.

Nilusha L T Padivitage et. al

Drug testing and analysis, 6(6), undefined (2013-10-12)

Recently a novel class of chiral stationary phases (CSPs) based on cyclofructan (CF) has been developed. Cyclofructans are cyclic oligosaccharides that possess a crown ether core and pendent fructofuranose moieties. Herein, we evaluate the applicabil...[Read More](#)

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The role of pi-acidic and pi-basic chiral stationary phases in the high-performance liquid chromatographic enantioseparation of unusual beta-amino acids.

István Ilisz et. al

Chirality, 21(3), undefined (2008-6-17)

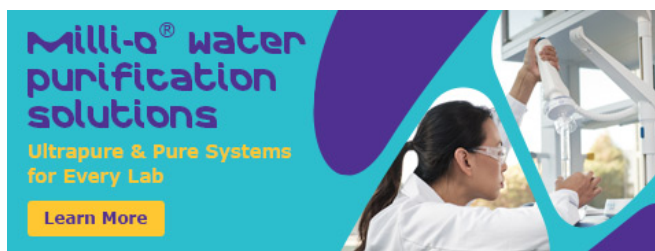
The application of 3,5-dimethylphenyl-carbamoylated-beta-cyclodextrin (Cyclobond I 2000 DMP) and 2,6-dinitro-4-trifluoromethylphenyl-ether-beta-cyclodextrin-based (Cyclobond DNP) chiral stationary phases for the high-performance liquid chromatography...[Read More](#)

Rapid high-performance liquid chromatographic separation of barley malt α -amylase on cyclobond columns Henson, Cynthia A., Stone, Julie M. Journal of Chromatography A 469, 361-367, (1989)

Reprint of: Enantiomeric separation of functionalized ethano-bridged Troger bases using macrocyclic cyclofructan and cyclodextrin chiral selectors in high-performance liquid chromatography and capillary electrophoresis with application of principal component analysis Weatherly, Choyce A., et al. Journal of Chromatography. B, Biomedical Applications 968, 40-48, (2014)

Enantiomeric separation of functionalized ethano-bridged Troger bases using macrocyclic cyclofructan and cyclodextrin chiral selectors in high-performance liquid chromatography and capillary electrophoresis with application of principal component analysis Weatherly, Choyce A., et al. Journal of Chromatography. B, Biomedical Applications 955-956, 72-80, (2014)

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