PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-SP150

Semi Prep HPLC Column, Bidentate C8, 4um, 100A. 10mm ID x 150mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40008 SP150 Cogent Bidentate C8™ Semi Preparative HPLC Column is a long format semi prep purification column designed for applications requiring high resolution fraction collection and improved separation of closely eluting compounds. Built on Cogent TYPE C™ silica hydride technology, this column delivers excellent selectivity, rapid equilibration, and very robust column lifetime under demanding purification workflows.

The stationary phase consists of an aliphatic C8 hydrocarbon chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This creates a phase that is more hydrophobic than conventional C8 columns, yet less hydrophobic than Bidentate C18™, making it ideal when C18 is overly retentive for target analytes. The result is balanced retention well suited for hydrophobic molecules, metabolites, and amine containing analytes in preparative workflows.

The 10 /mm internal diameter supports large injection volumes and high mass loading, while the extended 150 /mm length increases plate count and separation efficiency, enabling higher purity fraction collection compared with shorter semi prep formats. This makes the column espec...

MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451
tel. (732) 380-8900, fax (910) 769-9435
Email: info@mtc-usa.com
Website: www.mtc-usa.com