PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-SP50

Semi Prep HPLC Column, Bidentate C8, 4um, 100A. 10mm ID x 50mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40008 SP50 Cogent Bidentate C8™ Semi Preparative HPLC Column is a short length, large diameter purification column designed for high throughput sample processing and efficient fraction collection when C18 chemistry is overly retentive. Built on Cogent TYPE C™ silica hydride technology, this column provides excellent selectivity, fast equilibration, and very robust column lifetime under repeated semi preparative conditions.

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 chemistry produces a phase that is more hydrophobic than conventional C8 columns, yet less hydrophobic than Bidentate C18™, delivering balanced retention ideal for hydrophobic molecules, metabolites, and amine containing analytes when C18 retention is excessive.

With a 10 /mm internal diameter and 50 /mm length, this column is optimized for large injection volumes and high mass loading, enabling rapid purification cycles and efficient collection of target fractions.

System Note: A specialized semi preparative HPLC system (appropriate flow rate capability, injector, tubing/valving, and

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