PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-SP250

Semi Prep HPLC Column, Bidentate C8, 4um, 100A. 10mm ID x 250mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40008 SP250 Cogent Bidentate C8™ Semi Preparative HPLC Column is the longest and highest resolution semi prep format within the Bidentate C8™ lineup, designed for purification workflows that require maximum separation, extended retention, and the highest achievable fraction purity. Built on Cogent TYPE C™ silica hydride technology, this column provides excellent selectivity, fast equilibration, and very robust column lifetime under demanding 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 is overly retentive.

With a 10 /mm internal diameter and extended 250 /mm length, this column provides the highest plate count in the semi preparative C8™ family, enabling the separation of closely related compounds, structural analogs, or complex mixtures prior to fraction collection. The longer format increase...

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