PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-P21-150

Prep HPLC Column, Bidentate C18, 4um, 100A. 21.2mm ID x 150mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40018 P21 150 Cogent Bidentate C18™ Preparative HPLC Column is a long format preparative column designed for workflows that require higher resolving power and improved fraction purity compared with shorter preparative lengths. Built on Cogent TYPE C™ silica hydride technology, this column provides excellent selectivity, fast equilibration, and very robust column lifetimes under demanding purification conditions.

The stationary phase utilizes an aliphatic C18 chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This non traditional reversed phase chemistry creates a phase that is highly hydrophobic yet versatile, enabling strong and stable retention of hydrophobic molecules, metabolites, and amine containing analytes. In contrast to conventional silica based prep C18 columns, the TYPE C™ hydride surface remains stable in aqueous dominant mobile phases and tolerates low pH conditions, expanding method flexibility for preparative workflows.

With a 21.2 /mm internal diameter and an extended 150 /mm length, this column delivers increased plate count and enhanced separation efficiency, making it especially useful when closely elu...

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