PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-P21-150

Prep HPLC Column, Bidentate C8, 4um, 100A. 21.2mm ID x 150mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40008 P21 150 Cogent Bidentate C8™ Preparative HPLC Column is a long format preparative column designed for purification workflows requiring higher resolution and improved fraction purity compared with shorter preparative formats. Built on Cogent TYPE C™ silica hydride technology, this column delivers 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 non traditional chemistry produces a phase that is more hydrophobic than conventional C8 columns, yet less hydrophobic than Bidentate C18™, making it ideal for hydrophobic molecules, metabolites, and amine containing analytes when C18 retention is excessive.

With a 21.2 /mm internal diameter and 150 /mm length, this column delivers increased plate count and separation efficiency, enabling improved resolution of closely eluting compounds prior to fraction collection. This format is particularly valuable when higher purity fractions are required without moving to the longest (250 /mm) configuration.

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