PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-P30-150

Prep HPLC Column, Bidentate C18, 4um, 100A. 30mm ID x 150mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40018 P30 150 Cogent Bidentate C18™ Preparative HPLC Column is a large diameter, long format preparative column engineered for purification workflows that require both very high loading capacity and enhanced resolving power. Built on Cogent TYPE C™ silica hydride technology, this column delivers excellent selectivity, rapid equilibration, and very robust column lifetimes across demanding preparative methods.

The stationary phase features an aliphatic C18 chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This chemistry creates a phase that is highly hydrophobic yet versatile, providing strong and stable retention of hydrophobic molecules, metabolites, and amine containing analytes. Unlike 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 separations.

With a 30 /mm internal diameter and an extended 150 /mm length, this column offers substantially increased plate count compared with 30 /× /50 /mm and 30 /× /100 /mm formats, making it well suited when closely eluting components must b

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