PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-P30-100

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

Additional Info

The 40018 P30 100 Cogent Bidentate C18™ Preparative HPLC Column is a large diameter, extended length preparativ column designed for purification workflows that require both high sample capacity and improved resolving power compared with short 50 /mm prep formats. 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 C18 chain bonded via two direct silicon – carbon bonds (bidentate attachment) to a silica hydride surface. This non traditional chemistry creates a phase that is highly hydrophobic yet versatile, supporting strong and stable retention of hydrophobic molecules, metabolites, and amine containing analytes. Unlike conventional silica based prep C18 materials, the TYPE C™ hydride surface remains stable in aqueous dominant mobile phases and tolerates low pH conditions, expanding method flexibility for purification workflows.

With a 30 /mm internal diameter and 100 /mm length, this column offers substantially higher plate count than 30 /× /50 /mm formats, while retaining the high mass loading capabi...

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