PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-P30-250

Prep HPLC Column, Bidentate C18, 4um, 100A. 30mm ID x 250mm Length. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40018 P30 250 Cogent Bidentate C18™ Preparative HPLC Column is the largest diameter and longest length option in the Bidentate /C18™ lineup, engineered for maximum loading capacity, extended retention, and the highest achievable preparative resolution. This column is specified when purification workflows demand full separation of closely related compounds at high sample mass, prior to fraction collection.

Manufactured using Cogent TYPE C™ silica hydride technology, the column delivers excellent selectivity, rapid equilibration, and extremely robust column lifetime under aggressive 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 chemistry creates a phase that is highly hydrophobic yet unusually stable, supporting purification methods that involve aqueous dominant mobile phases or low pH conditions—environments where conventional silica based prep C18 columns may degrade or lose performance.

With a 30 /mm internal diameter and an extended 250 /mm length, this column provides the highest plate count available in a 30 /mm preparative format, makin

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