PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40018-05P

HPLC Column, Bidentate C18, 4um, 4.6mm ID x 50mm Length, 100A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40018 05P Cogent Bidentate C18™ HPLC Column is a non traditional C18 reversed phase column engineered using Cogent TYPE C™ silica hydride technology. Unlike conventional bonded phase C18 materials, this stationary phase features an aliphatic C18 chain attached via two direct silicon – carbon bonds, resulting in exceptional chemical stability, unique selectivity, and extended column lifetime.

This bidentate attachment chemistry produces a stationary phase that is both highly hydrophobic and unusually versatile, enabling retention of compounds that often show little or no retention on standard silica based C18 columns. The hydride surface chemistry allows operation with 100 /% aqueous mobile phases without phase collapse, while maintaining consistent retention and reproducibility.

The 4 /µm particle size and 50 /mm column length provide an excellent balance of resolution and speed, making this column especially popular for high throughput screening applications where fast equilibration and short run times are required.

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