PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-25P

HPLC Column, Bidentate C8, 4um, 4.6mm ID x 250mm Length, 100A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40008 25P Cogent Bidentate C8™ HPLC Column is a long format analytical reversed phase column engineered for separations requiring maximum resolution and extended retention. Built on Cogent TYPE C™ silica hydride technology, this column delivers excellent selectivity, faster equilibration, and extremely robust column lifetimes compared with conventional silica based C8 columns.

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 standard C8 columns, yet less hydrophobic than Bidentate C18™, making it an ideal choice when C18 columns retain compounds too strongly, but stronger retention than conventional C8 is still needed. Unlike traditional silica based C8 phases, this column can also retain select hydrophilic compounds, expanding the method development window.

The 250 /mm column length provides the highest plate count and resolving power in the standard Bidentate C8™ analytical lineup. This makes the column especially useful when closely related compounds, isomers, or complex mixtures...

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