PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40008-10P

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

Additional Info

The 40008 10P Cogent Bidentate C8™ HPLC Column is an analytical reversed phase column designed for methods where short (50 /mm) columns do not provide sufficient resolution, but full long format columns are unnecessary. Built on Cogent TYPE C™ silica hydride technology, this column delivers excellent selectivity, faster equilibration, and extremely robust column lifetime 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 ideal when C18 retention is excessive but stronger retention than conventional C8 is required. Unlike typical C8 phases, this column can also retain select hydrophilic compounds if desired.

The 100 /mm column length increases plate count and separation efficiency compared to 50 /mm formats, improving resolution of closely eluting compounds while maintaining reasonable run times. The column is also stable at very low pH (below pH /2) with no damage, sig

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