PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40218-10P-2

HPLC Column, Bidentate C18 2.o, 2.2um, 2.1mm ID x 100mm Length, 120A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40218 10P 2 Cogent Bidentate C18™ /2.o HPLC Column is a high efficiency, narrow bore analytical column designed for workflows that require greater resolving power than short length formats while preserving LC MS sensitivity. Built on Cogent TYPE C™ silica hydride technology, this column combines 2.2 /µm particles with bidentate C18 bonding to deliver excellent selectivity, faster equilibration, and near UHPLC performance on standard HPLC instruments.

The Bidentate C18™ /2.o stationary phase is particularly effective for hydrophobic and very non polar compounds that are difficult to retain in aqueous mobile phases. Compared to conventional silica based C18 columns, the TYPE C™ hydride surface chemistry reduces secondary interactions, supporting more stable retention and improved peak shape under a wide range of operating conditions.

With a 2.1 /mm internal diameter and an extended 100 /mm length, this column provides increased plate count and separation efficiency relative to 50 /mm formats, making it one of the most popular 2.o column sizes for LC MS when additional resolution is desired.

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