PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40218-15P-2

HPLC Column, Bidentate C18 2.o, 2.2um, 2.1mm ID x 150mm Length, 120A. Cogent TYPE-C Brand. 1 EA.

Additional Info

The 40218 15P 2 Cogent Bidentate C18™ /2.o HPLC Column is a high efficiency, long format narrow bore column designed for separations where maximum resolution and near UHPLC performance are required. Built on Cogent TYPE C™ silica hydride technology, this column combines smaller 2.2 /µm particles with bidentate C18 bonding to deliver increased efficiency, excellent selectivity, and fast equilibration—while remaining compatible with standard HPLC instrumentation.

The silica hydride surface, coupled with direct silicon – carbon bonds, provides exceptional chemical robustness and reduced secondary interactions compared with conventional silica based C18 columns. The Bidentate C18™ /2.o phase is especially effective for very hydrophobic and non polar compounds that are difficult to retain under aqueous mobile phase conditions.

With a 2.1 /mm internal diameter and an extended 150 /mm length, this column offers the highest plate count in the family, making it the preferred option when increased resolution is essential. It can be used for LC MS applications, but requires instrumentation capable of precise low flow operation and system components designed for 2.1 /mm ID columns.

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