PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

69069-25P

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

Additional Info

The 69069 25P Cogent UDC Cholesterol HPLC Column is designed for maximum separation performance, utilizing 4 /µm TYPE C™ silica hydride particles functionalized with a cholesterol terminated ligand to deliver unique shape based selectivity.

This stationary phase consists of an 11 carbon chain directly bonded to silica hydride with a terminal cholesterol group, creating structured interaction regions that act as molecular " slots. " These allow compounds to be separated based on molecular geometry, steric orientation, and shape, in addition to hydrophobic interaction—providing selectivity that conventional reversed phase columns cannot achieve.

Key structural advantages include:

Direct Si – C bonding (no end capping required)

Reduced silanol activity and secondary interactions

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