PRODUCT SHEET

MICROSOLV
TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

40031-P21-50

Prep HPLC Column, UDA (wcx), 4um, 100A. 21.2mm ID x 50mm Length, Preparative. Cogent TYPE-C Brand. 1 EA.

Additional Info

40031-P21-50 Cogent UDA™ (weak cation exchange, WCX) Preparative HPLC Column is built on Cogent TYPE C™ silica (silica hydride platform), providing a uniquely powerful separation mechanism combining reversed phase, weak cation exchange, and HILIC retention in one stationary phase.

The UDA™ ligand (Undecanoic Acid) features an 11 carbon hydrophobic chain with a terminal carboxylic acid group, enabling multiple interaction modes:

Reversed phase (hydrophobic retention)

Weak cation exchange (active at pH 6)

HILIC (polar interaction capability)

This mixed mode selectivity is especially valuable for large scale purification of polar, ionizable, and structurally similar compounds, particularly in complex matrices where traditional prep columns lack selectivity.

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