PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

68539-05P-2

HPLC Column, RP Phenyl Hexyl, 5um, 2.1mm ID x 50mm Length, 100A. Cogent Brand. 1 EA.



Additional Info

Cogent RP Phenyl Hexyl™ HPLC Columns are designed for reversed-phase separations where enhanced aromatic selectivity and strong π-π interactions are desired. Manufactured using ultra-high purity silica bonded with a six-carbon linker and terminal Phenyl group, this stationary phase is fully double end-capped to minimize secondary interactions and provide highly reproducible chromatographic performance. RP Phenyl Hexyl™ is an excellent alternative for certain USP L11 methods that specify or benefit from Phenyl Hexyl selectivity.

68539-05P-2 is packed with 5 µm RP Phenyl Hexyl™ particles in a 2.1 mm ID x 50 mm format with a 100Å pore size. The 5 µm particle size provides low operating backpressure and excellent reproducibility for LC-MS compatible methods. The narrow-bore 2.1 mm ID format reduces solvent consumption while improving mass spectrometry sensitivity. Typical operating flow rates are approximately 0.2 – 0.3 mL/min, and the HPLC system must be capable of delivering stable and precise low-flow performance.

The six-carbon linker positions the Phenyl group farther from the silica surface, increasing π-π interactions while reducing the influence of residual silanol activ...

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