PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

68139-10P

UHPLC Column, RP Phenyl Hexyl, 1.8um, 100A. 4.6mm ID x 100mm Length. Cogent Brand. 1 EA.

Additional Info

This Cogent Phenyl Hexyl™ UHPLC Column, is double end capped (fully), with traditional bonding of a 6 carbon silane with a terminal Phenyl Ring to the highest purity silica available.

The small 1.8µm Particle Size will provide high efficiency even at high flow rates with a Peak Capacity greater than a 3um Particle. Higher back pressures than with larger particle columns are typical and a special UHPLC instrument may be required for proper results.

Used to Separate aromatic compounds that have some hydrophobicity, these columns may offer different Selectivity from Phenyl Columns due to the extended C6 linker in the ligand. The pi-pi interactions of the Phenyl Group are heightened due to the distance from the Silica Surface (away from Silanol activity) and allows for excellent Retention and Separation of many polar compounds with Benzene rings. These include some Isomers (positional), Tocopherols, Flavonoids, Polynuclear Aromatics, Nitro-Aromatic Compounds, Active Pharmaceutical Ingredients (APIs), Natural Products and Related Compounds. To optimize the pi interaction, using Methanol instead of Acetonitrile is suggested. Choose this column when you are trying to reduce run t...

MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451
tel. (732) 380-8900, fax (910) 769-9435
Email: info@mtc-usa.com
Website: www.mtc-usa.com