

# 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 3µm Particle. Higher back pressures than with larger particle columns are typical and a special UHPLC instrument may be required for proper results.

**Price****\$1,413.96**

## Additional Info

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 time and keep resolution the same or if you want to improve resolution of existing methods. Ideal for new method development since these columns are lower cost to run due to reduced solvent use and wastage and increased instrument throughput.

*Note: A specialized UHPLC System is required for this column and your samples should be filtered with a 0.2µm Syringe Filter before injection.*

### MicroSolv

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

### Price

**\$1,413.96**