Catalog Number

82360-10P-4

HPLC Column, NP Diol, 3um, 4.0mm ID x 100mm Length, 100A. Cogent Brand. 1 EA. Special Order Item.



Additional Info

Cogent NP Diol™ HPLC Columns are designed for the separation of hydrophilic and polar compounds using Normal Phase and HILIC chromatography modes. Manufactured using high-purity 100Å silica bonded with a short hydrocarbon ligand containing a terminal diol functional group, this stationary phase is not end capped and provides versatile selectivity for compounds that may be difficult to retain using conventional reversed-phase chromatography. NP Diol™ is widely used as an alternative for USP L20 methods and for developing robust analytical methods requiring enhanced retention of polar analytes.

82360-10P-4 is packed with 3 µm NP Diol™ particles in a 4.0 mm ID x 100 mm analytical format. The 100 mm column length provides an excellent balance of chromatographic efficiency, retention, and analysis speed for routine laboratory applications. The 3 µm particle size delivers higher efficiency and sharper peak shapes than comparable 5 µm columns, although increased operating pressure should be expected. The 4.0 mm internal diameter offers a specialized analytical format for methods requiring this specific column geometry.

The NP Diol™ stationary phase is commonly selected for hydrop...

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