PRODUCT SHEET

MICROSOLV TECHNOLOGY CORPORATION
HPLC Columns and Chromatography Accessories

Catalog Number

65318-05P-4

HPLC Column, Zx Similars C18, 3um, 4.0mm ID x 50mm Length, Cogent Brand. 1 EA. Special Order Item.



Additional Info

Zx Similars C18™ is a traditional reversed-phase HPLC stationary phase manufactured on high-purity Type-B spherical silica with a fully endcapped octadecyl (C18) bonded phase. Designed as a cost-effective alternative to Agilent Zorbax® C18 columns, it offers comparable chromatographic behavior for USP L1 methods while providing the strong hydrophobic retention, reproducibility, and broad applicability expected from a conventional C18 stationary phase.

65318-05P-4 is a 50 mm x 4.0 mm ID analytical column packed with 3 µm Zx Similars C18 particles. The short 50 mm length is optimized for rapid analyses, fast equilibration, and high-throughput workflows. The 3 µm particle size delivers significantly higher efficiency and improved peak capacity than traditional 5 µm columns while generating increased operating pressure that should be considered during method development. The 4.0 mm ID format is commonly selected for legacy methods and typically operates at approximately 0.8 – 1.5 mL/min.

This USP L1 column is ideal for hydrophobic and neutral compounds requiring strong reversed-phase retention. Common applications include pharmaceutical analysis, long-chain fatty acid separation...

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