HALO: | Fused-Core® Particle Technology

Application Note: 082-HA

Comparable Selectivity between HALO-5 (5 μm) and HALO (2.7 μm) Phenyl-Hexyl Phases



PEAK IDENTITIES:

- 1. Uracil (t₀)
- 2. 6,7-Dihydroxycoumarin
- 3. 4-Hydroxycoumarin
- 4. Coumarin
- 5. 6-Chloro-4-hydroxycoumarin
- 6. Warfarin
- 7. Coumatetralyl
- 8. Coumachlor

TEST CONDITIONS:

Column 1: 4.6 x 50 mm, HALO-5, 5 µm Phenyl-Hexyl Part Number: 95814-406 Column 2: 4.6 x 50 mm, HALO 2.7 µm Phenyl-Hexyl Part Number: 92814-406 Mobile Phase: A/B: 55/45 A= 0.1% Formic acid in water B= 50/50: Methanol/acetonitrile Flow Rate: See chart Pressure: See chart Temperature: 45°C Detection: UV 254 nm, VWD Injection Volume: 2 µL Sample Solvent: 30/70: Water (0.1% formic acid)/methanol Response Time: 0.12 sec. Flow Cell: 5 µL LC System: Agilent 1100

These chromatograms show the similarity in selectivity between the 5 μ m and the 2.7 μ m HALO Phenyl-Hexyl phases which allows the easy transfer of methods from

STRUCTURES:



Uracil



6,7-Dihydroxycoumarin



4-Hydroxycoumarin



Coumarin



6-Chloro-4-hydroxycoumarin



Warfarin



Coumatetralyl



Coumachlor



one particle size to another.

FOR MORE INFORMATION OR TO PLACE AN ORDER, CONTACT:

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