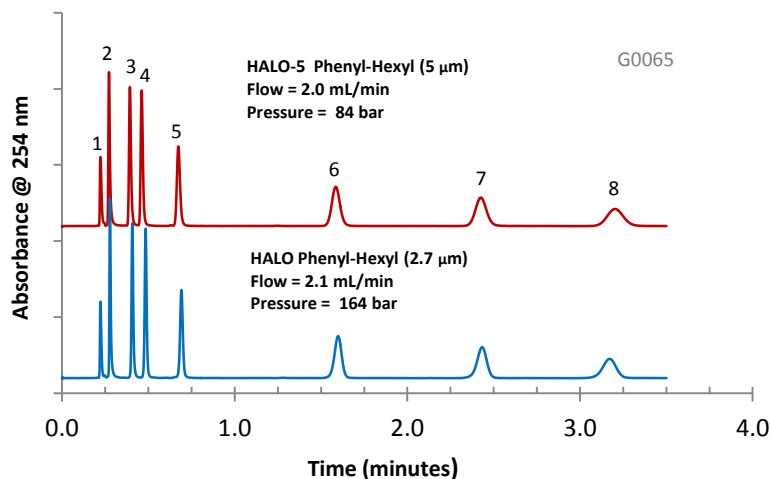


## Comparable Selectivity between HALO-5 (5 µm) and HALO (2.7 µm) Phenyl-Hexyl Phases



### PEAK IDENTITIES:

1. Uracil ( $t_0$ )
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:

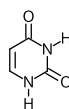
30/70: Water (0.1% formic acid)/methanol

Response Time: 0.12 sec.

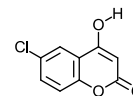
Flow Cell: 5 µL

LC System: Agilent 1100

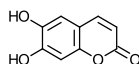
### STRUCTURES:



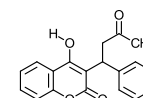
Uracil



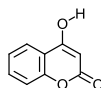
6-Chloro-4-hydroxycoumarin



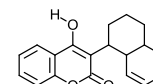
6,7-Dihydroxycoumarin



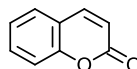
Warfarin



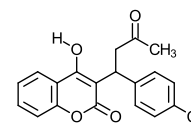
4-Hydroxycoumarin



Coumatetralyl



Coumarin



Coumachlor

These chromatograms show the similarity in selectivity between the 5 µm and the 2.7 µm HALO Phenyl-Hexyl phases which allows the easy transfer of methods from one particle size to another.