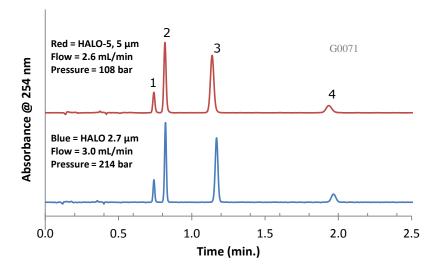
HALO: | Fused-Core® Particle Technology

Application note: 088-B

Comparable Selectivity between HALO-5 and HALO 2.7 µm HILIC Phases



PEAK IDENTITIES:

- 1. Alprenolol
- 2. Pindolol
- 3. Acebutolol
- 4. Atenolol

TEST CONDITIONS:

Column 1: 4.6 x 100 mm, HALO 5 µm HILIC

Part Number: 95814-601

Column 2: 4.6 x 100 mm, HALO 2.7 µm HILIC

Part Number: 92814-601 Mobile Phase: 11/89: A/B

A = 0.1 M Ammonium formate, pH=3 (adj.)

B = Acetonitrile Flow Rate: See chart Pressure: See chart Temperature: 30°C

Detection: UV 254 nm, VWD Injection Volume: 2.0 µL Sample Solvent: mobile phase Response Time: 0.02 sec. Flow Cell: 2.5 µL semi-micro

LC System: Shimadzu Prominence UFLC XR

ECV: ~14 μL

STRUCTURES:

$$\begin{array}{c|c} & CH_2 & CH_3 \\ \hline O & OH & CH_3 \end{array}$$

Alprenolol Acebutolol

H₂N CH₃

Pindolol

Atenolol

Because of similar selectivities, easy method transfer is accomplished between the 5 μ m and 2.7 μ m HALO HILIC phases with small changes in flow rate.



FOR MORE INFORMATION OR TO PLACE AN ORDER, CONTACT: