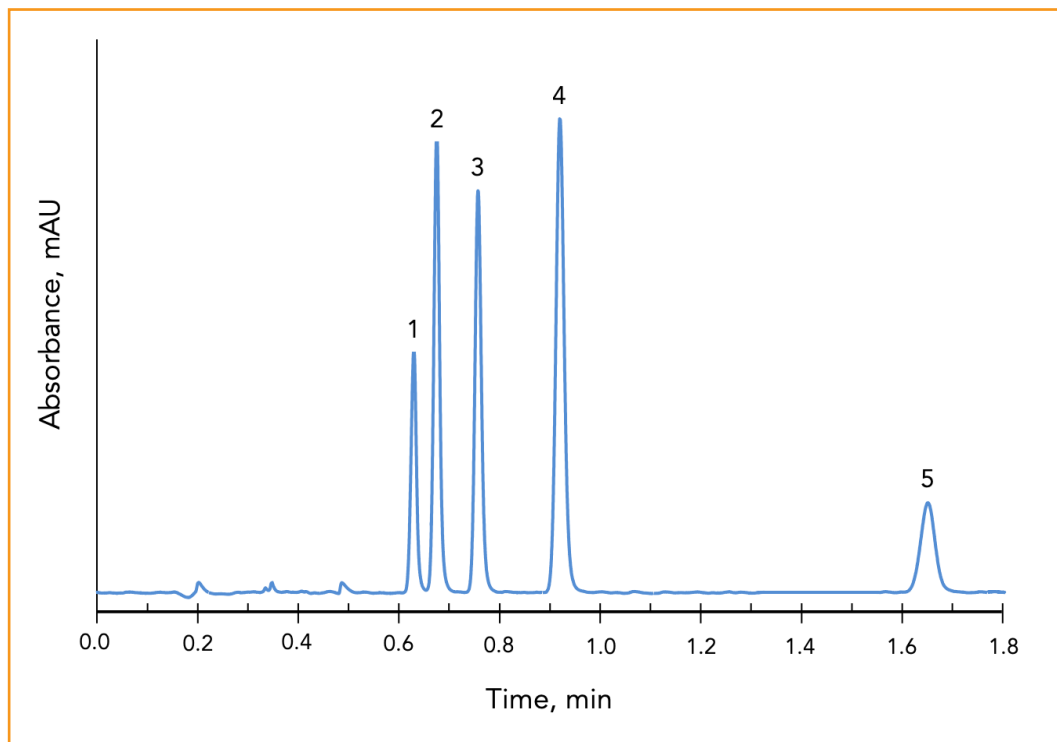




Separation of Five Beta Blocker Drugs on HALO® Penta-HILIC

Application Note 64-B



PEAK IDENTITIES:

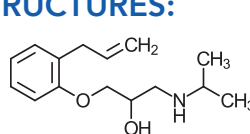
1. Alprenolol
2. Propranolol
3. Pindolol
4. Acebutolol
5. Atenolol

The HALO® Penta-HILIC stationary phase can rapidly separate highly basic compounds with good peak shapes in a mass spectrometry friendly mobile phase.

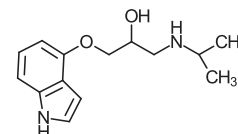
TEST CONDITIONS:

Column: HALO 90 Å Penta-HILIC, 2.7 μ m,
4.6 x 100 mm
Part Number: 92814-605
Mobile Phase: 10/90 - A/B
A: 0.04 M ammonium formate buffer, pH 3.0
B: Acetonitrile
Flow Rate: 3.0 mL/min
Pressure: 215 bar
Temperature: 30 °C
Detection: UV 254 nm, VWD
Injection Volume: 2.0 μ L
Sample Solvent: Mobile phase
Response Time: 0.02 sec
Flow Cell: 2.5 μ L semi-micro
LC System: Shimadzu Prominence UFLC XR
Extra column volume: ~14 μ L

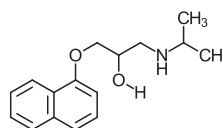
STRUCTURES:



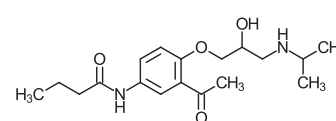
Alprenolol



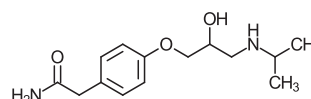
Pindolol



Propranolol



Acebutolol



Atenolol

