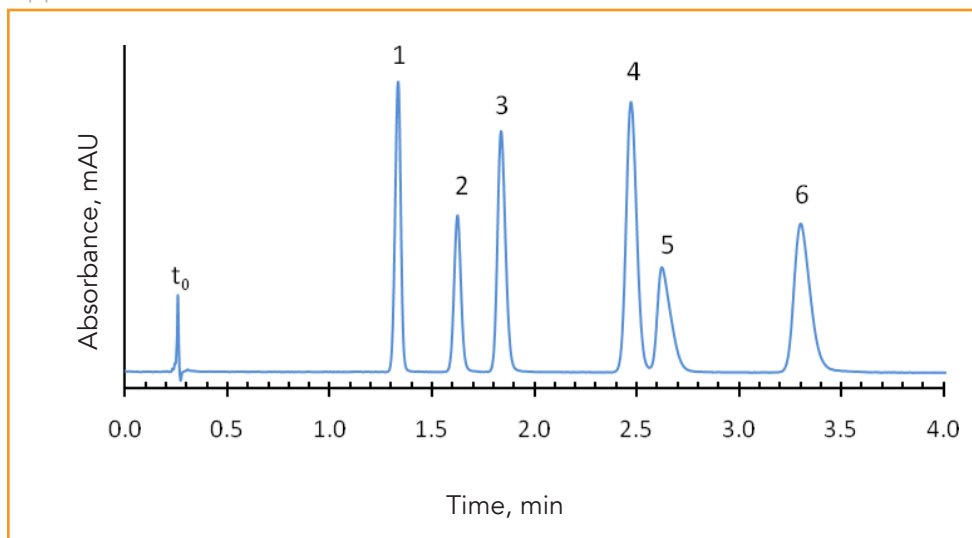




Isocratic Separation of Basic Drugs on HALO® PFP

Application Note 22-B



PEAK IDENTITIES:

1. Phenylephrine
2. Trazodone
3. Procaine
4. Amoxapine
5. Propranolol
6. Desipramine

The strong retention of these basic drugs on HALO® PFP allows the use of mobile phases with high organic content which enhances sensitivity when doing LCMS.

The high efficiency of HALO® Fused-Core® packings ensures that peaks will be sharp and elute in small volumes.

TEST CONDITIONS:

Column: HALO 90 Å PFP, 2.7 μm ,
4.6 x 50 mm

Part Number: 92814-409

Mobile Phase: 12/88 - A/B

A: 0.01 M ammonium formate buffer, pH 3.0

B: Acetonitrile

Flow Rate: 2.0 mL/min

Pressure: 101 bar

Temperature: 30 °C

Detection: UV 254 nm, VWD

Injection Volume: 1.0 μL

Sample Solvent: 75/25 water/methanol

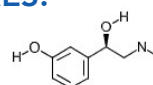
Response Time: 0.02 sec

Flow Cell: 2.5 μL semi-micro

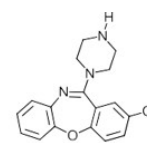
LC System: Shimadzu Prominence UFLC XR

Extra column volume: ~14 μL

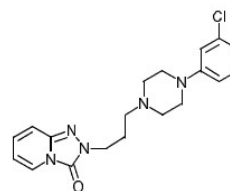
STRUCTURES:



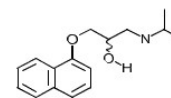
Phenylephrine



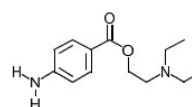
Amoxapine



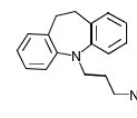
Trazodone



Propranolol



Procaine



Desipramine

