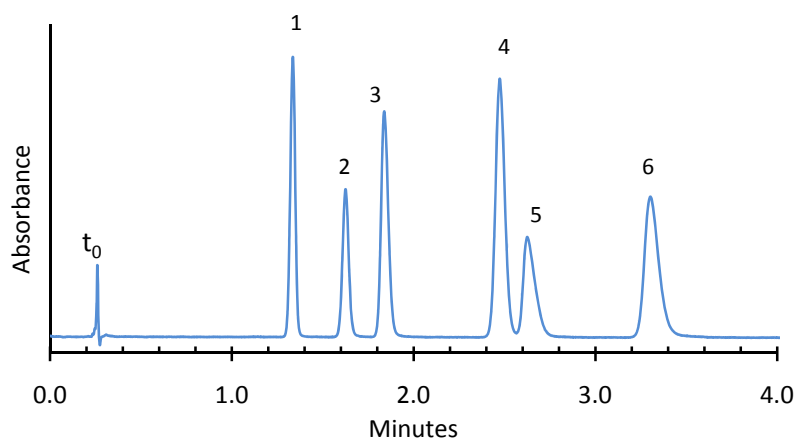


Application Note: 22-B

HILIC Separation of Basic Drugs on HALO PFP



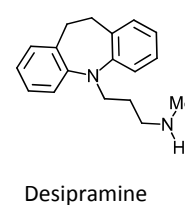
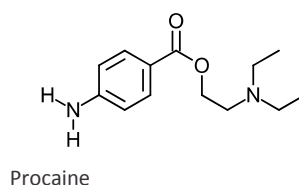
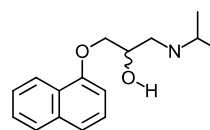
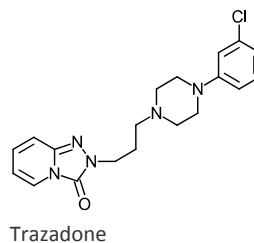
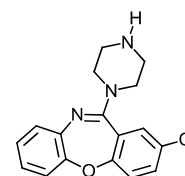
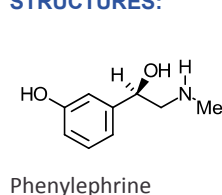
PEAK IDENTITIES:

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

TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO PFP
 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:



The strong retention of these basic drugs on Halo PFP in HILIC mode allows the use of mobile phases with high organic content which enhances sensitivity when doing LC/MS.

The high efficiency of Halo Fused Core packings insure that peaks will be sharp and elute in small volumes.