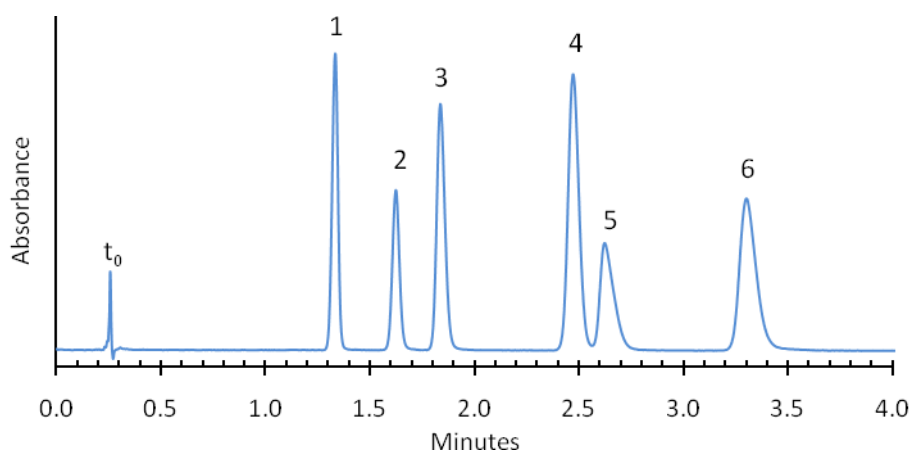


Application Note: 22-B

Isocratic Separation of Basic Drugs on HALO PFP



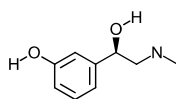
PEAK IDENTITIES:

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

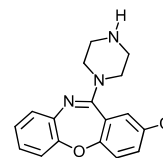
TEST CONDITIONS:

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

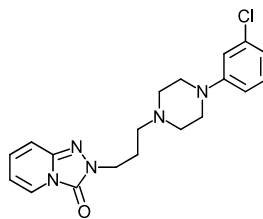
STRUCTURES:



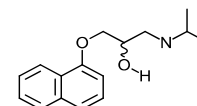
Phenylephrine



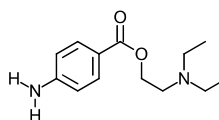
Amoxapine



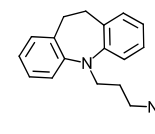
Trazodone



Propranolol



Procaine



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 LC/MS.

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