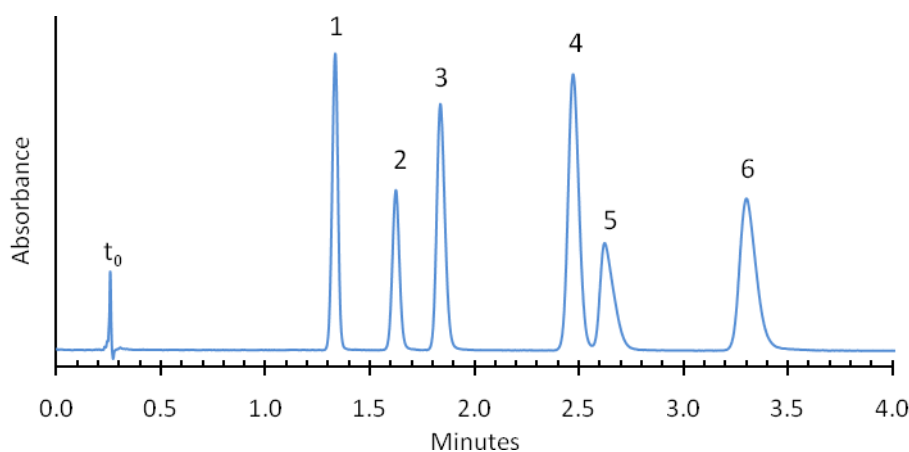


Application Note: 22-B

## Isocratic Separation of Basic Drugs on HALO PFP



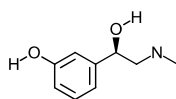
### PEAK IDENTITIES:

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

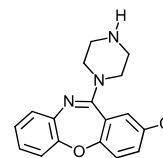
### TEST CONDITIONS:

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

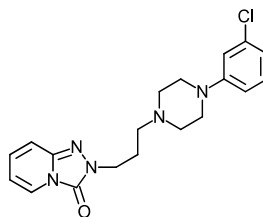
### STRUCTURES:



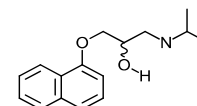
Phenylephrine



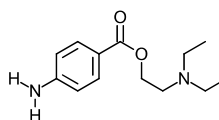
Amoxapine



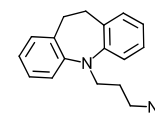
Trazodone



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.