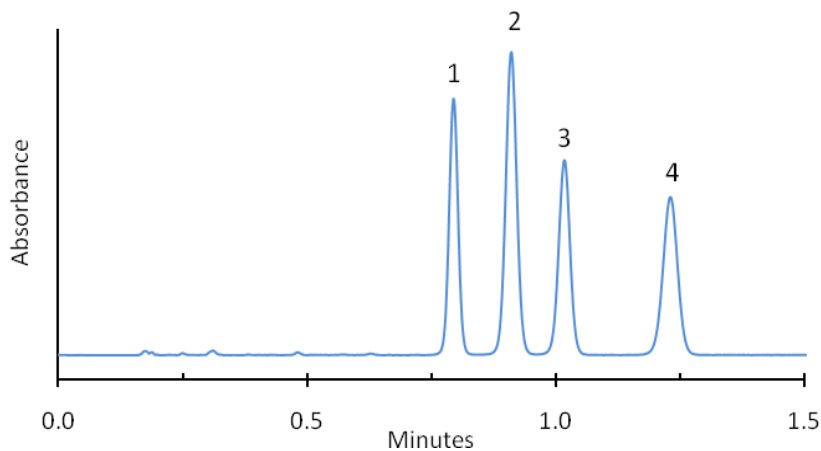


Application Note: 37-P

## Rapid Isocratic Separation of Sulfonyl Urea Drugs on HALO C18 Phase



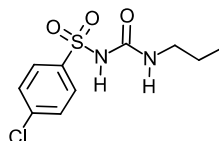
### PEAK IDENTITIES:

1. Chlorpropamide
2. Glipizide
3. Acetohexamide
4. Tolazamide

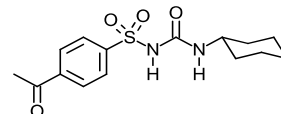
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C18  
Part Number: 92814-402  
Mobile Phase: 63/37--A/B  
A= 0.02 M Phosphate buffer, pH=3.0  
B= Acetonitrile  
Flow Rate: 2.5 mL/min.  
Pressure: 260 Bar  
Temperature: 30 °C  
Detection: UV 254 nm, VWD  
Injection Volume: 1.0 µL  
Sample Solvent: Acetonitrile  
Response Time: 0.02 sec.  
Flow Cell: 2.5 µL semi-micro  
LC System: Shimadzu Prominence UFLC XR  
Extra column volume: ~14 µL

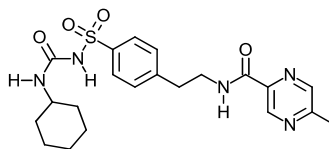
### STRUCTURES:



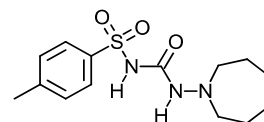
Chlorpropamide



Acetohexamide



Glipizide



Tolazamide

The sulfonyl drugs are used in the treatment of diabetes. They can be separated in about 1.3 minutes using highly efficient HALO Fused-Core C18 columns.