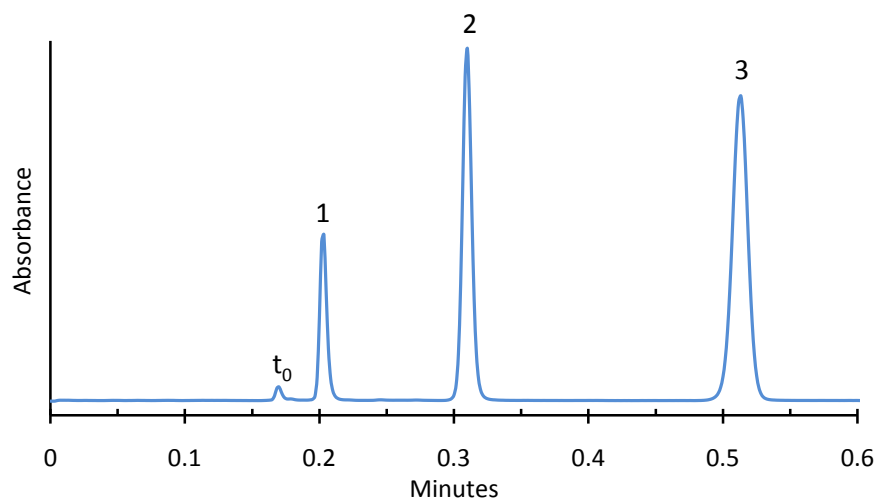


Application Note: 30-P

## Rapid Isocratic Separation of Fibrates on HALO C-18 Phase



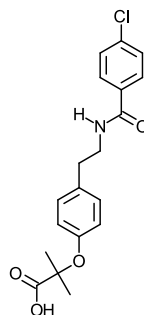
### PEAK IDENTITIES:

1. Bezafibrate
2. Gemfibrozil
3. Fenofibrate

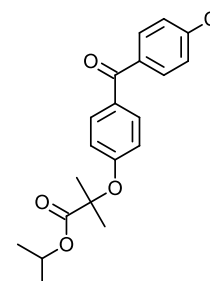
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C-18  
Part Number: 92814-402  
Mobile Phase: 20/80-A/B  
A= 0.02 M Phosphate buffer, pH=3.0  
B=Acetonitrile  
Flow Rate: 2.5 mL/min.  
Pressure: 150 Bar  
Temperature: 45 °C  
Detection: UV 220 nm, VWD  
Injection Volume: 0.3 µL  
Sample Solvent: 50/50-methanol/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:

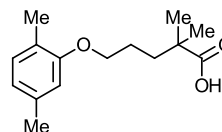


Bezafibrate



Fenofibrate

Fibrates are a class of cholesterol lowering drugs that can be rapidly analyzed using Halo C-18 phase to obtain widely separated peaks in about 30 seconds.



Gemfibrozil