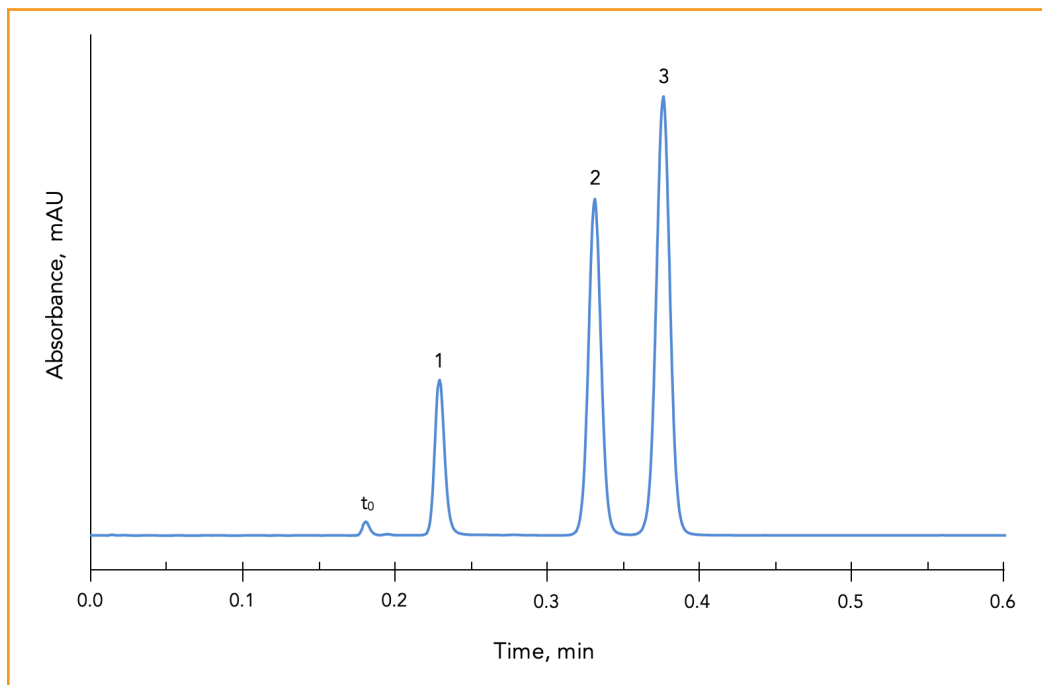




Rapid Isocratic Separation of Fibrates on HALO® RP-Amide Phase

Application Note 29-P



PEAK IDENTITIES:

1. Bezafibrate
2. Gemfibrozil
3. Fenofibrate

Fibrates are a class of cholesterol lowering drugs that can be rapidly analyzed using HALO® RP-Amide phase to obtain well-separated peaks in under 25 seconds.

TEST CONDITIONS:

Column: HALO 90 Å RP-Amide, 2.7 µm,
4.6 x 50 mm

Part Number: 92814-407

Mobile Phase: 20/80 - A/B

A: 0.02 M phosphate buffer, pH 3.0

B: Acetonitrile

Flow Rate: 2.5 mL/min

Pressure: 135 bar

Temperature: 45 °C

Detection: UV 220 nm, VWD

Injection Volume: 0.3 µL

Sample Solvent: 50/50 methanol/acetonitrile

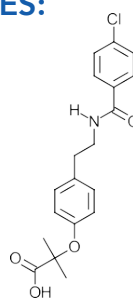
Response Time: 0.02 sec

Flow Cell: 2.5 µL semi-micro

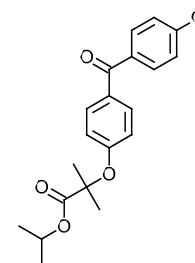
LC System: Shimadzu Prominence UFLC XR

Extra column volume: ~14 µL

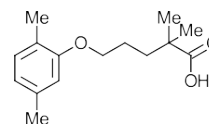
STRUCTURES:



Bezafibrate



Fenofibrate



Gemfibrozil

