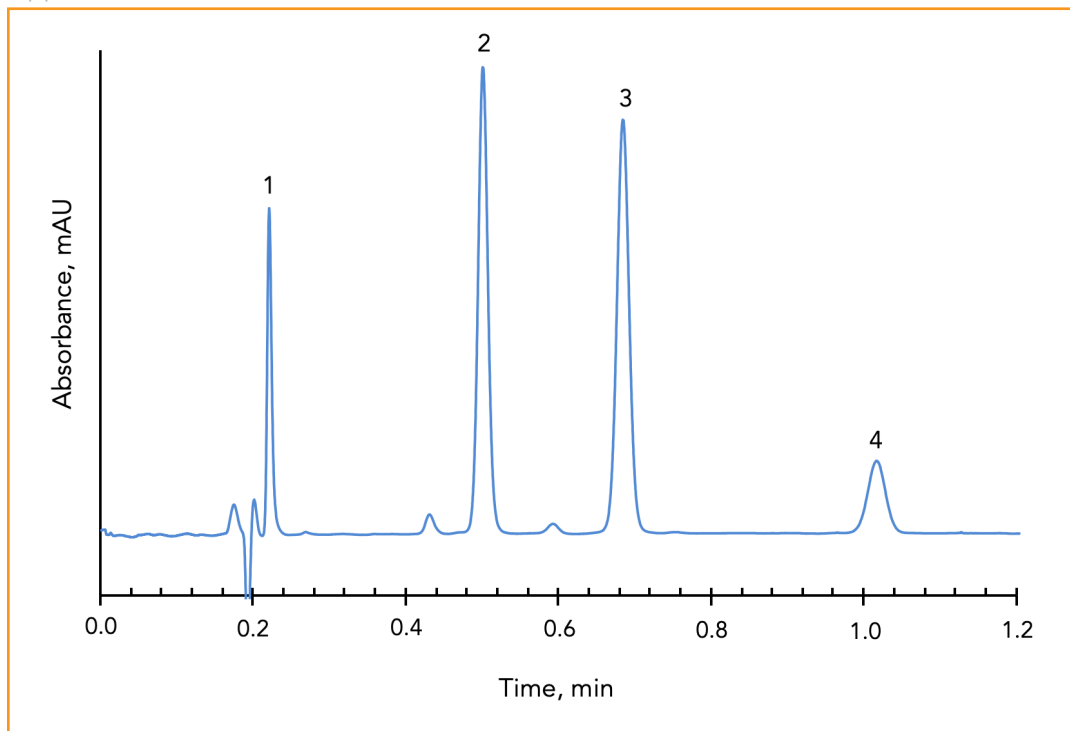




Separation of Statin Drugs on HALO® Phenyl-Hexyl in Acetonitrile

Application Note 45-ST



PEAK IDENTITIES:

1. Pravastatin
2. Atorvastatin
3. Mevastatin
4. Simvastatin

These statin drugs can be rapidly separated using short HALO® Phenyl-Hexyl columns.

TEST CONDITIONS:

Column: HALO 90 Å Phenyl-Hexyl, 2.7 µm,
4.6 x 50 mm

Part Number: 92814-406

Mobile Phase: 43/57 - A/B

A: 0.02 M formic acid in water

B: 0.02 M formic acid in acetonitrile

Flow Rate: 2.5 mL/min

Pressure: 228 bar

Temperature: 26 °C

Detection: UV 240 nm, VWD

Injection Volume: 0.5 µL

Sample Solvent: 20/80 (water with 0.02 M formic acid)/(methanol with 0.02 M formic acid)

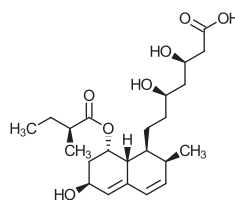
Response Time: 0.02 sec

Flow Cell: 2.5 µL semi-micro

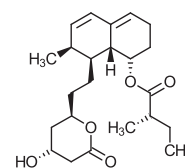
LC System: Shimadzu Prominence UFLC XR

Extra column volume: ~14 µL

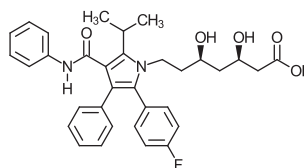
STRUCTURES:



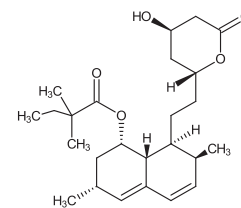
Pravastatin



Mevastatin



Atorvastatin



Simvastatin

