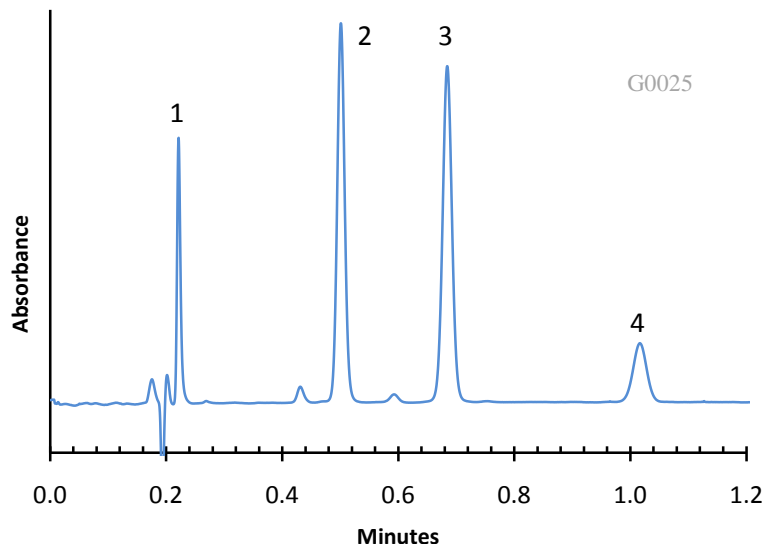


Application Note: 045-ST

Separation of Statin Drugs on HALO Phenyl-Hexyl in Acetonitrile



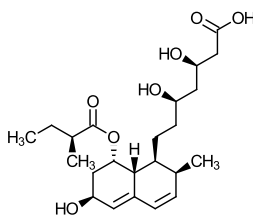
PEAK IDENTITIES:

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

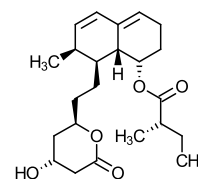
TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO Phenyl-Hexyl
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-0.02 M formic acid)/(methanol-0.02 M formic acid)
Response Time: 0.02 sec.
Flow Cell: 2.5 µL semi-micro
LC System: Shimadzu Prominence UFLC XR
ECV: ~14 µL

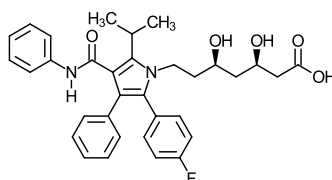
STRUCTURES:



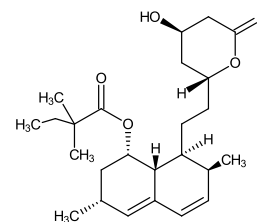
Pravastatin



Mevastatin



Atorvastatin



Simvastatin

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