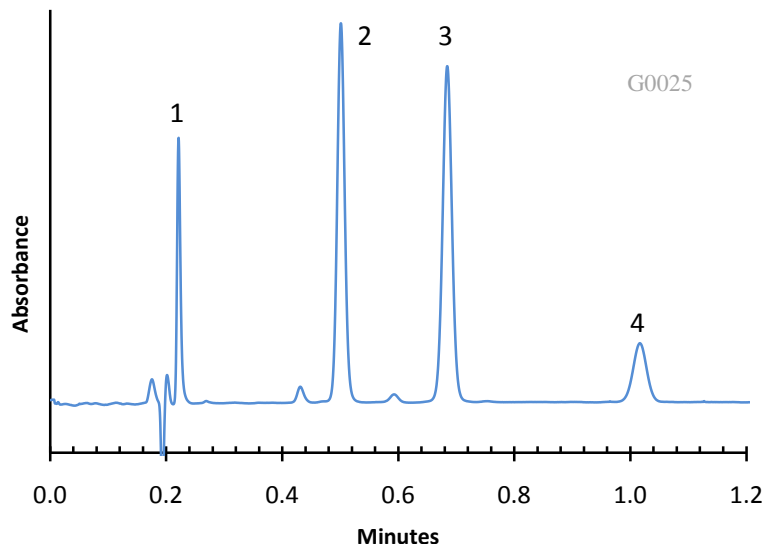


Application Note: 045-ST

Separation of Statin Drugs on HALO Phenyl-Hexyl in Acetonitrile



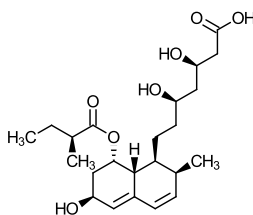
PEAK IDENTITIES:

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

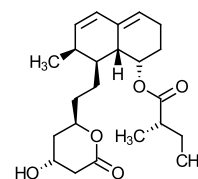
TEST CONDITIONS:

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

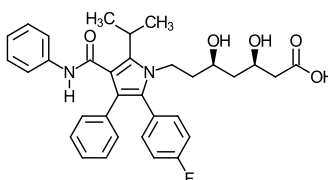
STRUCTURES:



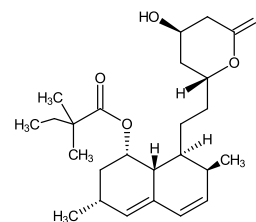
Pravastatin



Mevastatin



Atorvastatin

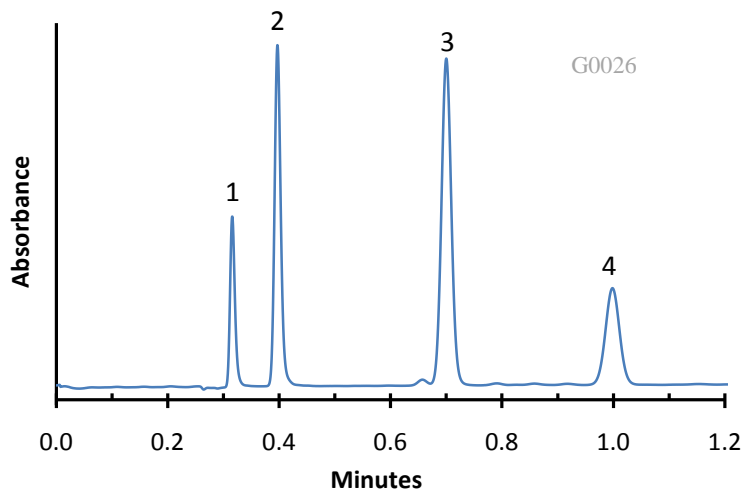


Simvastatin

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

Application Note: 043-ST

Separation of Statin Drugs on HALO C8



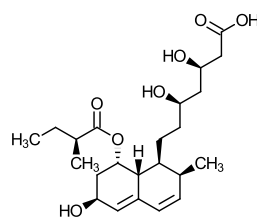
PEAK IDENTITIES:

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

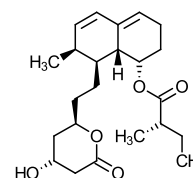
TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C8
Part Number: 92814-408
Mobile Phase: 20/80: A/B
A= 0.02 M formic acid in water
B= 0.02 M formic acid in methanol
Flow Rate: 2.0 mL/min.
Pressure: 240 Bar
Temperature: 30°C
Detection: UV 240 nm, VWD
Injection Volume: 1.0 µL
Sample Solvent: mobile phase
Response Time: 0.02 sec.
Flow Cell: 2.5 µL semi-micro
LC System: Shimadzu Prominence UFLC XR
ECV: ~14 µL

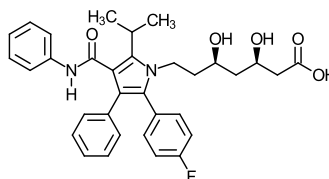
STRUCTURES:



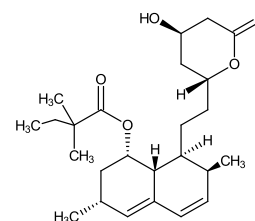
Pravastatin



Mevastatin



Atorvastatin



Simvastatin

The statin drugs can be rapidly separated using short HALO C8 columns.