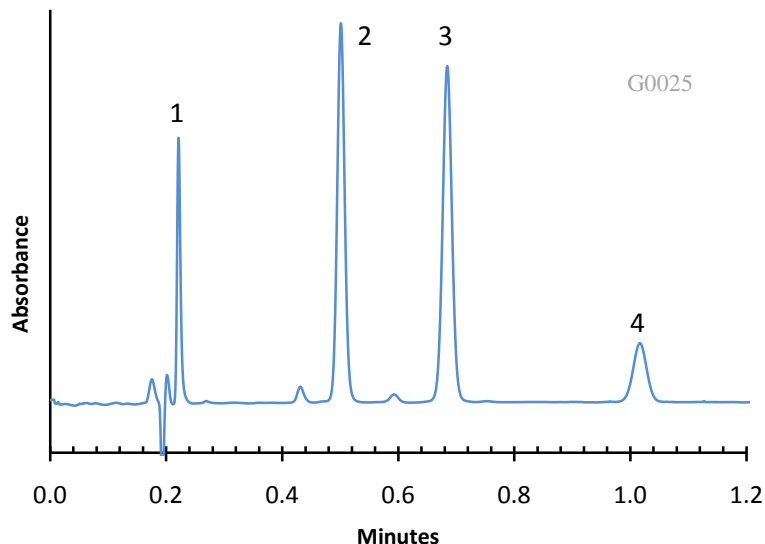


Application Note: 045-ST

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



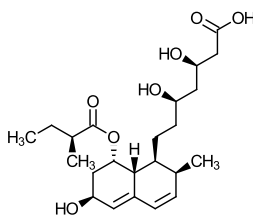
### PEAK IDENTITIES:

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

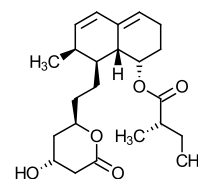
### TEST CONDITIONS:

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

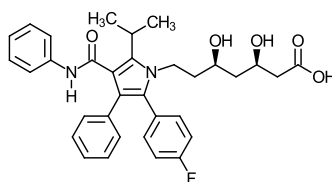
### STRUCTURES:



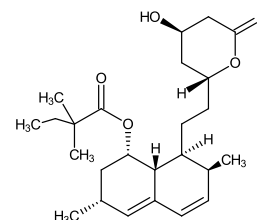
Pravastatin



Mevastatin



Atorvastatin



Simvastatin

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