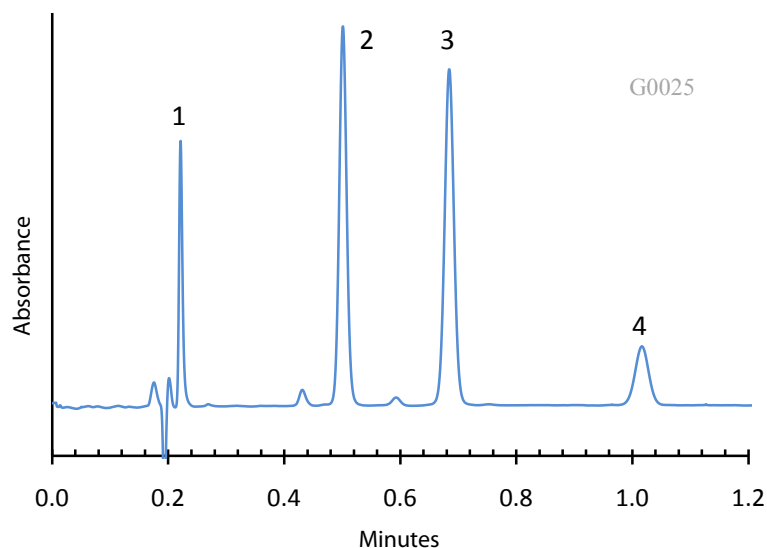


# HALO | Fused-Core® Particle Technology

Application Note: 045-ST

## Separation of Statin Drugs on HALO Phenyl -Hex yl in Acetonitrile



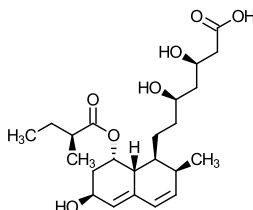
### PEAK IDENTITIES:

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

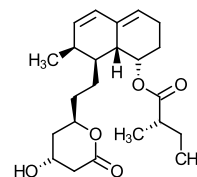
### TEST CONDITIONS:

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

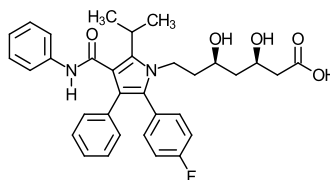
### STRUCTURES:



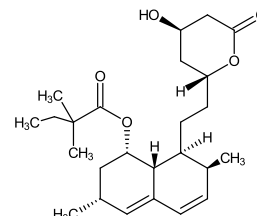
Pravastatin



Mevastatin



Atorvastatin



Simvastatin

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