

Analysis of Statins using XBridge Phenyl

Waters Corporation



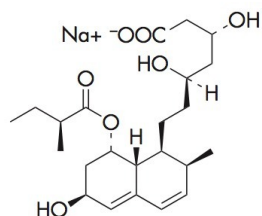
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

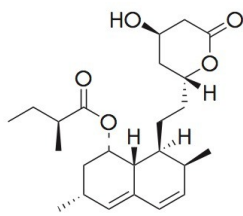
This application brief highlights the analysis of statins using XBridge Phenyl columns.

Introduction

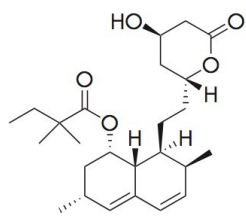
Compounds



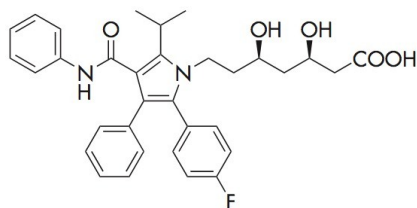
1. Pravastatin Sodium



2. Lovastatin



3. Simvastatin



4. Atorvastatin

Experimental

Test Conditions

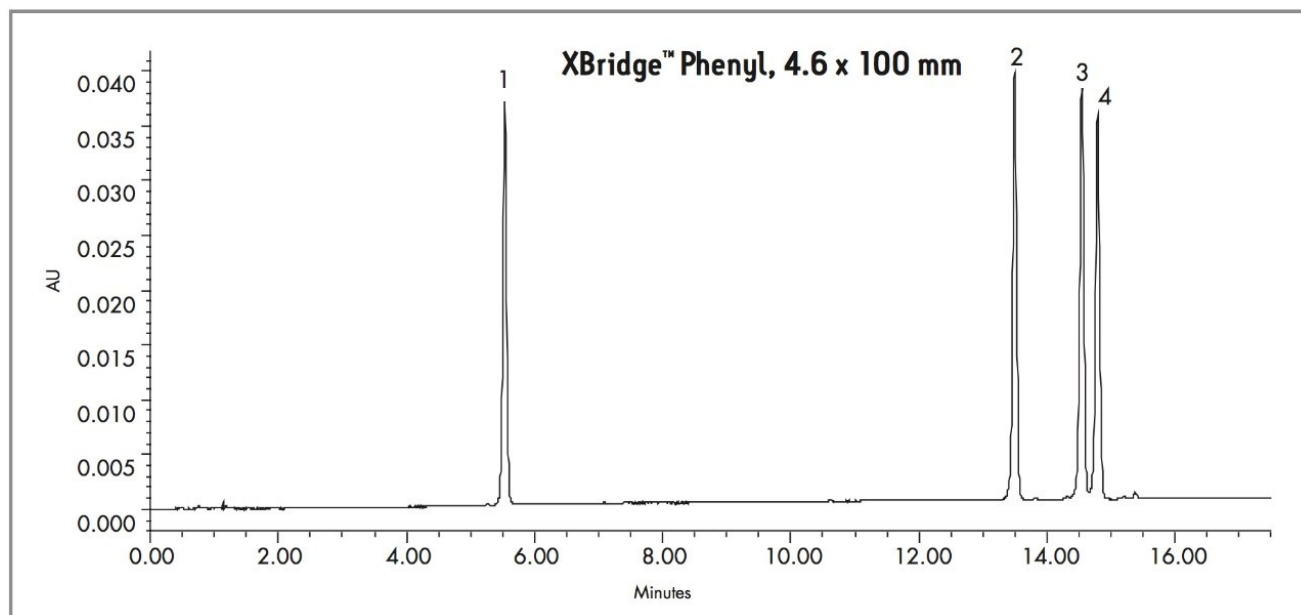
Columns:	XBridge Phenyl, 4.6 x 100 mm, 3.5 μ m p/n: 186003334
Mobile phase A:	H ₂ O
Mobile phase B:	ACN
Mobile phase C:	100 mM NH ₄ HCO ₃
Flow rate:	1.2 mL/min

Injection volume:	20 µL
Sample:	Atorvastatin (10 µg/mL), Simvastatin (10 µg/mL), Lovastatin (10 µg/mL), Pravastatin Sodium (10 µg/mL), in H ₂ O/NH ₄ HCO ₃ (90/10)
Column temp.:	25 °C
Sample temp.:	15 °C
Detection:	UV @ 248 nm
Sampling Rate:	5 points/sec
Filter Response:	0.2
Instrument:	Alliance 2695 with 2996 PDA

Gradient

Time (min)	%A	%B	%C
0	65	15	20
20	30	50	20
21	65	15	20
25	65	15	20

Results and Discussion



Compounds: 1. Pravastatin Sodium 2. Lovastatin 3. Simvastatin 4. Atorvastatin.

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