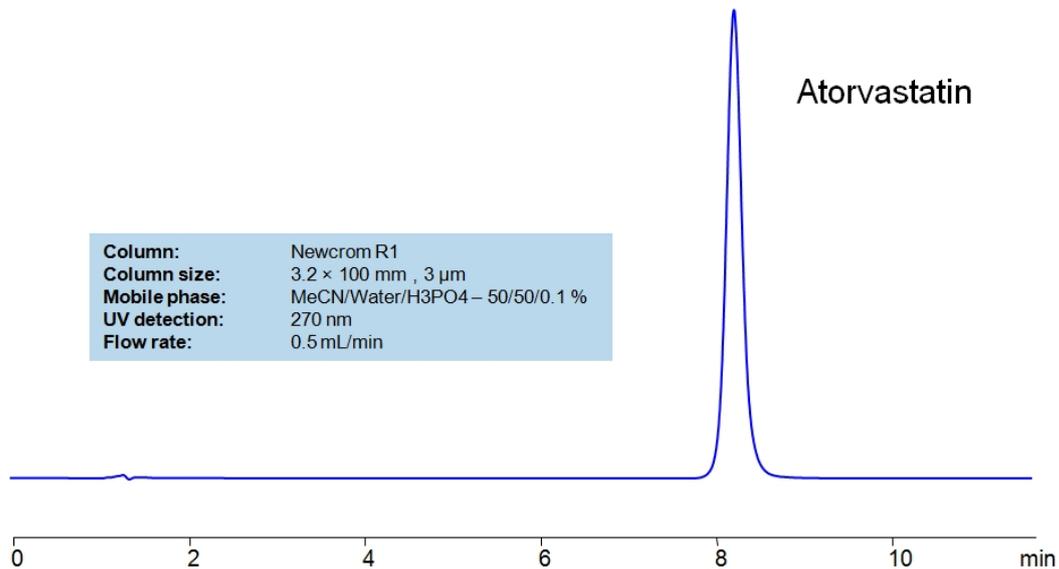


HPLC Method for Analysis of Atorvastatin



High Performance Liquid Chromatography (HPLC) Method for Analysis of Atorvastatin , Lipitor

Atorvastatin is a prescription medication that has $C_{33}H_{35}FN_2O_5$ as its molecular formula. It is typically used to lower cholesterol, therefore reducing the risk of heart disease. Grapefruit juice can interfere with this medication.

Atorvastatin , Lipitor can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a phosphoric acid buffer. Detection is performed using UV.

Method Parameters

Column	Newcrom R1, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 50/50%
Buffer	H ₃ PO ₄ – 0.1%
Flow Rate	0.5 mL/min
Detection	UV, 270 nm

Quelle: <https://sielc.com/atorvastatin>