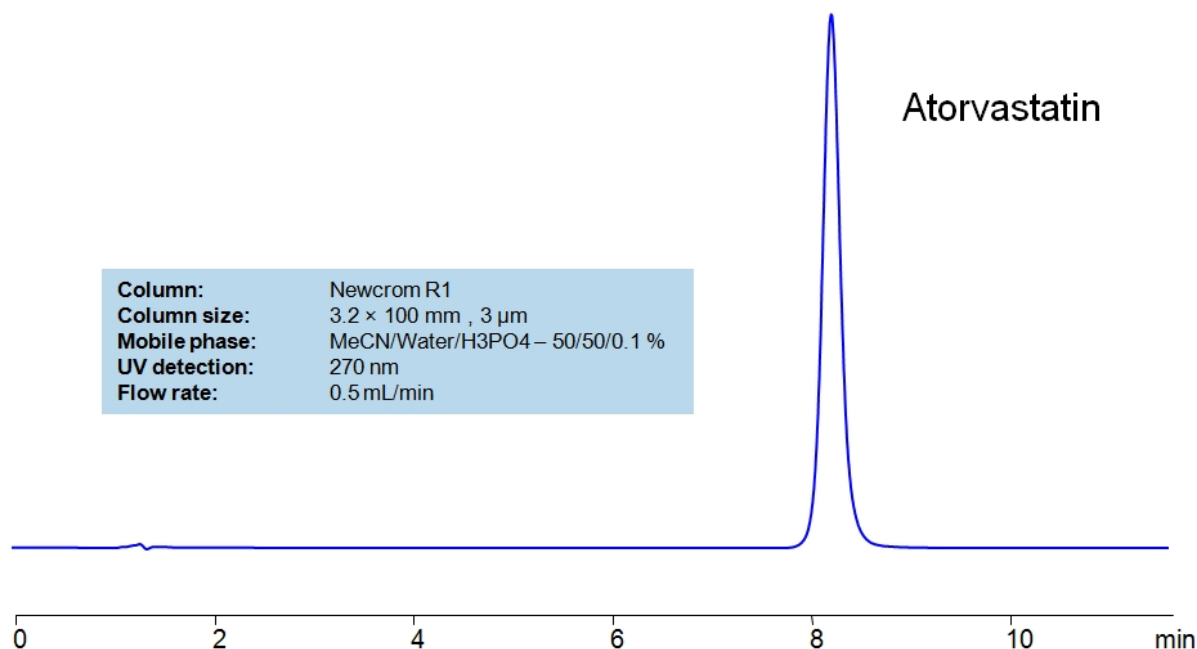


# HPLC Method for Analysis of Atorvastatin

<https://sielc.com/atorvastatin>

## Chromatogram



## Description

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

Atorvastatin is a prescription medication that has C<sub>33</sub> H<sub>35</sub> FN<sub>2</sub> O<sub>5</sub> 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

<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 50/50%
<b>Buffer</b>	H <sub>3</sub> PO <sub>4</sub> – 0.1 %
<b>Flow Rate</b>	0.5 ml/min
<b>Detection</b>	UV, 270 nm
<b>Class of Compounds</b>	Drug, Statin, Hydrophobic, Ionizable
<b>Analyzing Compounds</b>	Atorvastatin,Lipitor

## HPLC Column Used

**Newcrom R1, 3.2 x 100 mm, 5 µm, 100 A, dual ended**

[Order this column at hplc-shop.de](http://hplc-shop.de) →