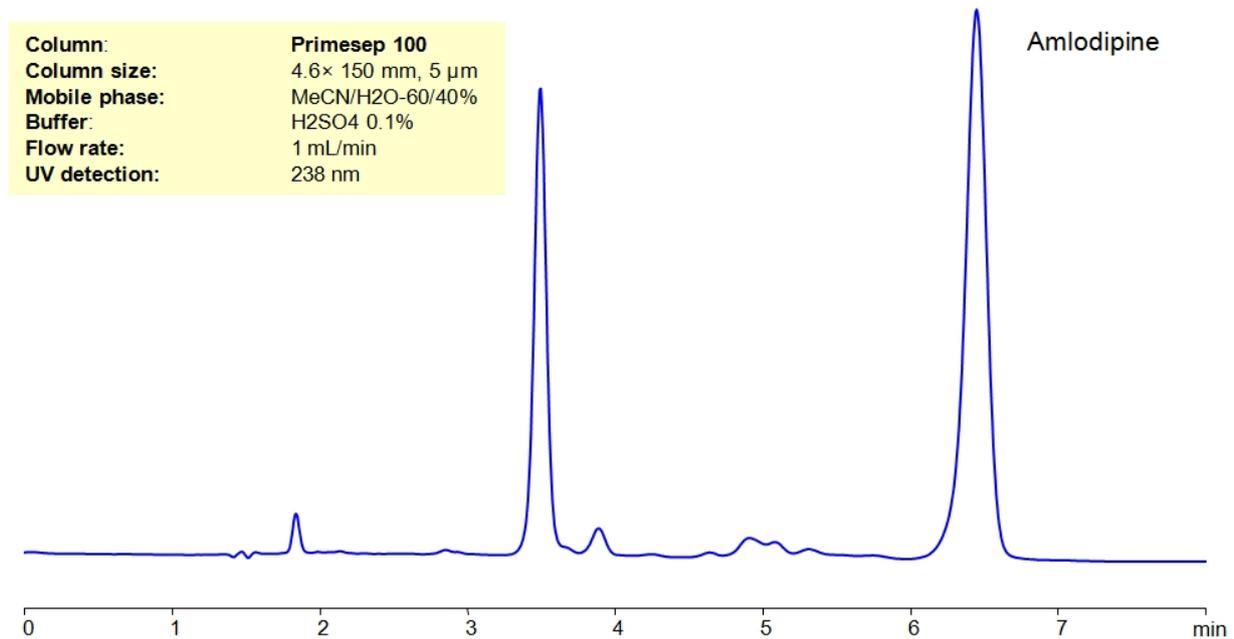


## HPLC Determination of Amlodipine in Norvasc Tablets



High Performance Liquid Chromatography (HPLC) Method for Analysis of Amlodipine besylate

Amlodipine is a prescription typically sold under the brand name “Norvasc.” It is used to treat high blood pressure and artery disease. It works by preventing calcium from entering cells through blocking L-type calcium channels.

Amlodipine can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a Sulfuric acid buffer. Detection is performed using UV.

### Method Parameters

<b>Column</b>	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 60/40%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 0.1%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV, 238 nm

Quelle: <https://sielc.com/hplc-determination-of-amlodipine-besylate-in-norvasc-tablets>