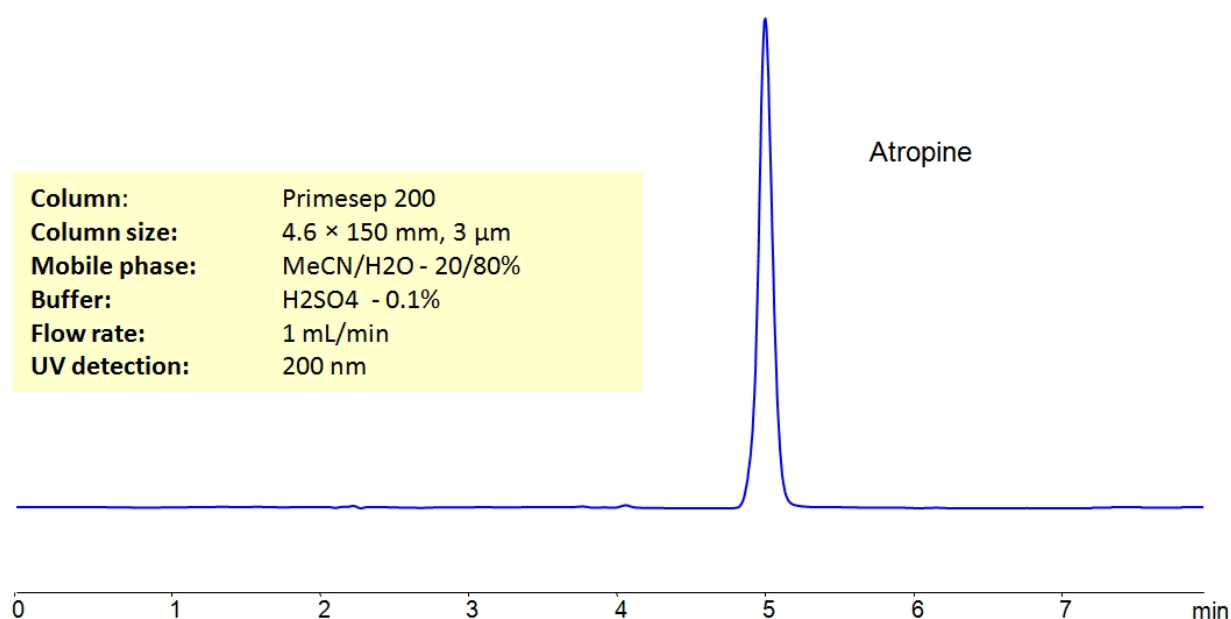


HPLC Determination of Atropine on Primesep 200 Column

<https://sielc.com/hplc-determination-of-atropine>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Atropine .

Atropine is a tropane alkaloid with the chemical formula C₁₇H₂₃NO₃ . It is an anticholinergic medication that is used to treat nerve agent, pesticide poisoning, slow heartrate, and is also used to decrease saliva production. Typically, it is administered through injection.

Atropine can be retained and analyzed using the Primesep 200 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a [buffer] buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	H ₂ SO ₄ – 0.1 %
Flow Rate	1.0 ml/min
Detection	UV, 200 nm
Class of Compounds	Drug, Basic, Hydrophobic, Ionizable, Zwitterionic
Analyzing Compounds	Atropine

HPLC Column Used

Primesep 200, 4.6 x 150 mm, 3 µm, 100 Å, dual ended

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