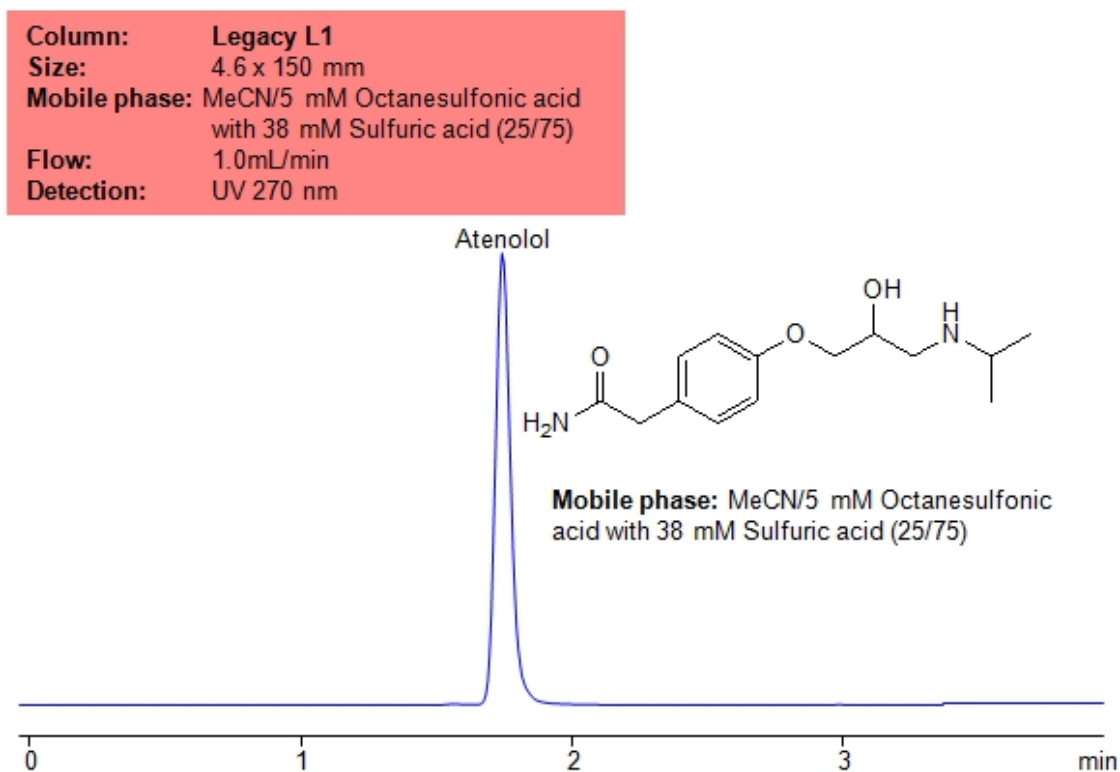


Application USP Methods for the Analysis of Atenolol using the Legacy L1 Column

<https://sielc.com/application-usp-methods-for-the-analysis-of-atenolol-using-the-legacy-l1-column>

Chromatogram



Application USP Methods for the Analysis of Atenolol using the Legacy L1 Column

Description

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

Atenolol is a prescription beta-blocker with the chemical formula C₁₄H₂₂N₂O₃. It is used to treat hypertension and high blood pressure. It can also improve survival chances after a heart attack. Off-label, it is also used to treat migraines and prevent anxiety.

Atenolol can be retained and analyzed using the Legacy L1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Mobile Phase	Gradient MeCN – 85-60%, 10 min 2 min hold
Buffer	Gradient AmFm pH 3.0, 10-80 mM, 10 min 2 min hold
Flow Rate	1.0 ml/min
Detection	CAD (Corona) MS- compatible mobile phase

Class of Compounds	beta-blocker
Analyzing Compounds	Atenolol

HPLC Column Used

Legacy L1, 4.6 x 150 mm, 5 µm, 100 A, dual ended

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