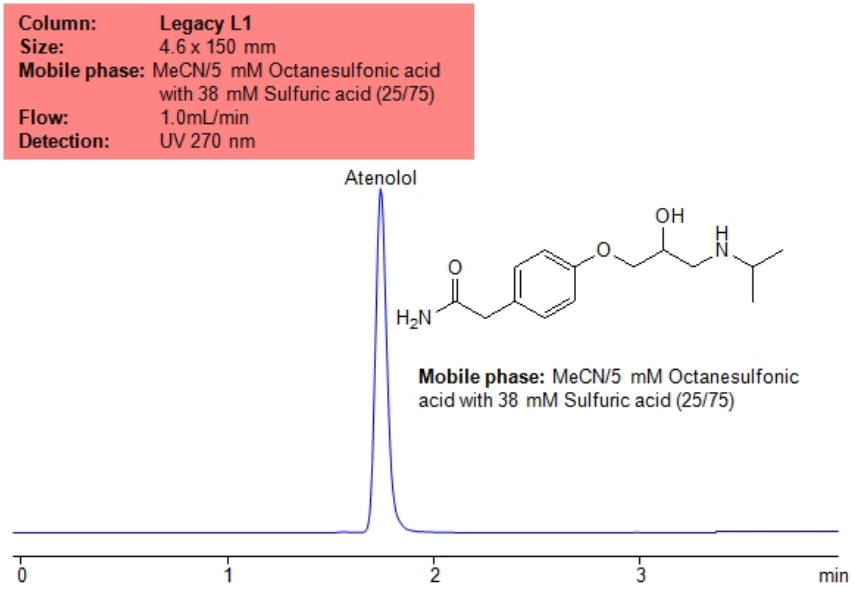
Application USP Methods for the Analysis of Atenolol using the Legacy L1 Column



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

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

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