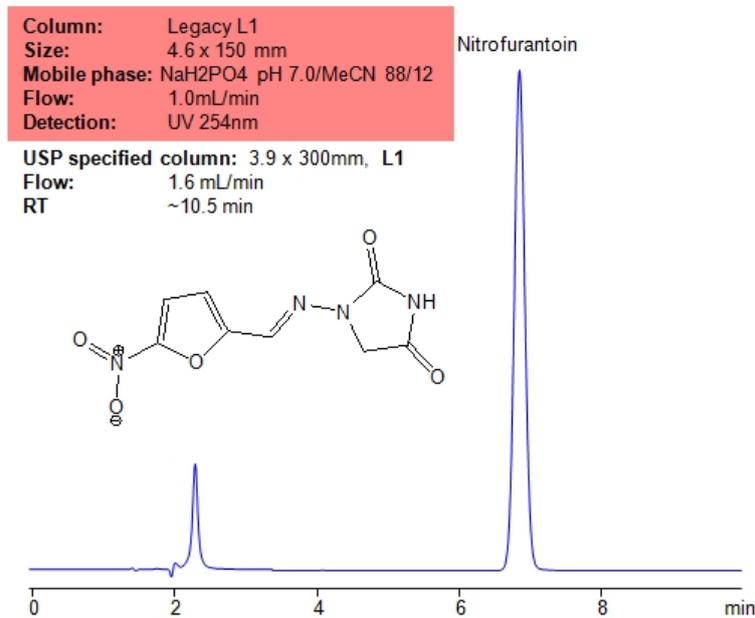


Application USP Methods for Nitrofurantoin for the Legacy L1



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

Nitrofurantoin is an oral antibiotic with the chemical formula C₈H₆N₄O₅ . It is used to treat urinary tract infections.

Nitrofurantoin 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) with a sulfuric acid buffer. Detection is performed using UV.

Method Parameters

Column	Legacy L1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 43/55%
Buffer	NaHPO ₄ pH3.5 – 2%
Flow Rate	1.0 mL/min
Detection	UV, 233 nm

Quelle: <https://sielc.com/application-usp-methods-for-nitrofurantoin-for-the-legacy-l1>