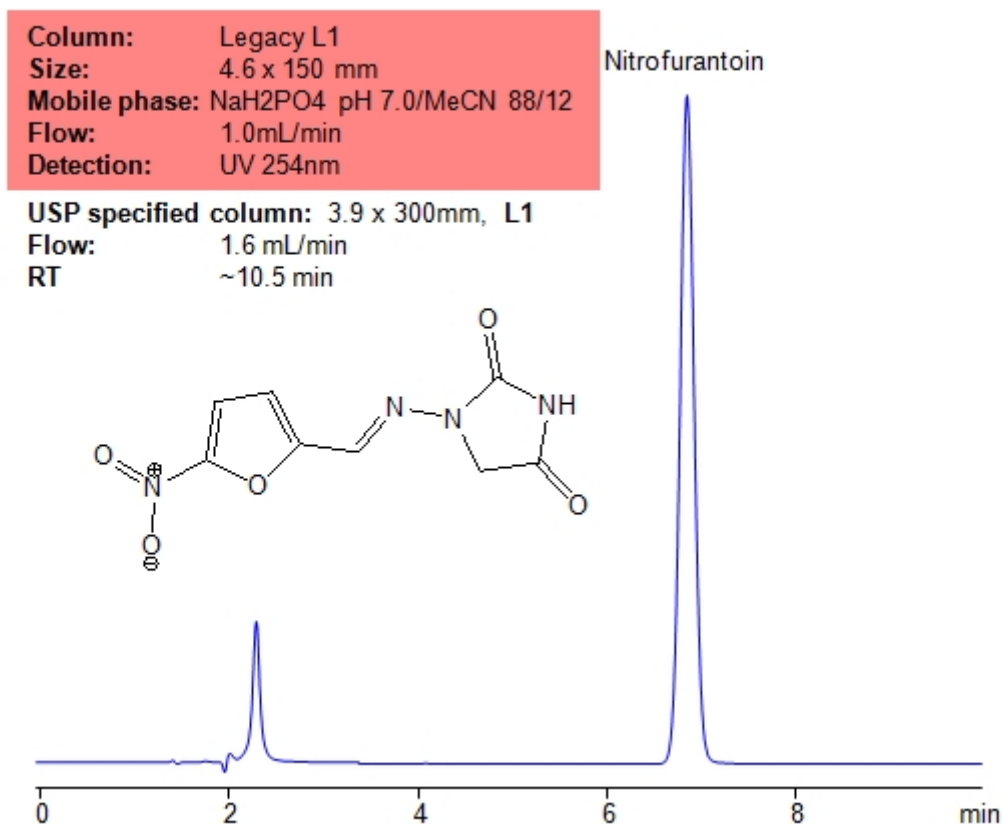


# Application USP Methods for Nitrofurantoin for the Legacy L1

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

## Chromatogram



Application USP Methods for Nitrofurantoin for the Legacy L1

## Description

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

Nitrofurantoin is an oral antibiotic with the chemical formula C<sub>8</sub>H<sub>6</sub>N<sub>4</sub>O<sub>5</sub> . 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

<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 43/55%
<b>Buffer</b>	NaHPO <sub>4</sub> pH3.5 – 2%
<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	UV, 233 nm

<b>Class of Compounds</b>	Drug, Acid, Ionizable, Hydrophobic
<b>Analyzing Compounds</b>	Nitrofurantoin

#### 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) →