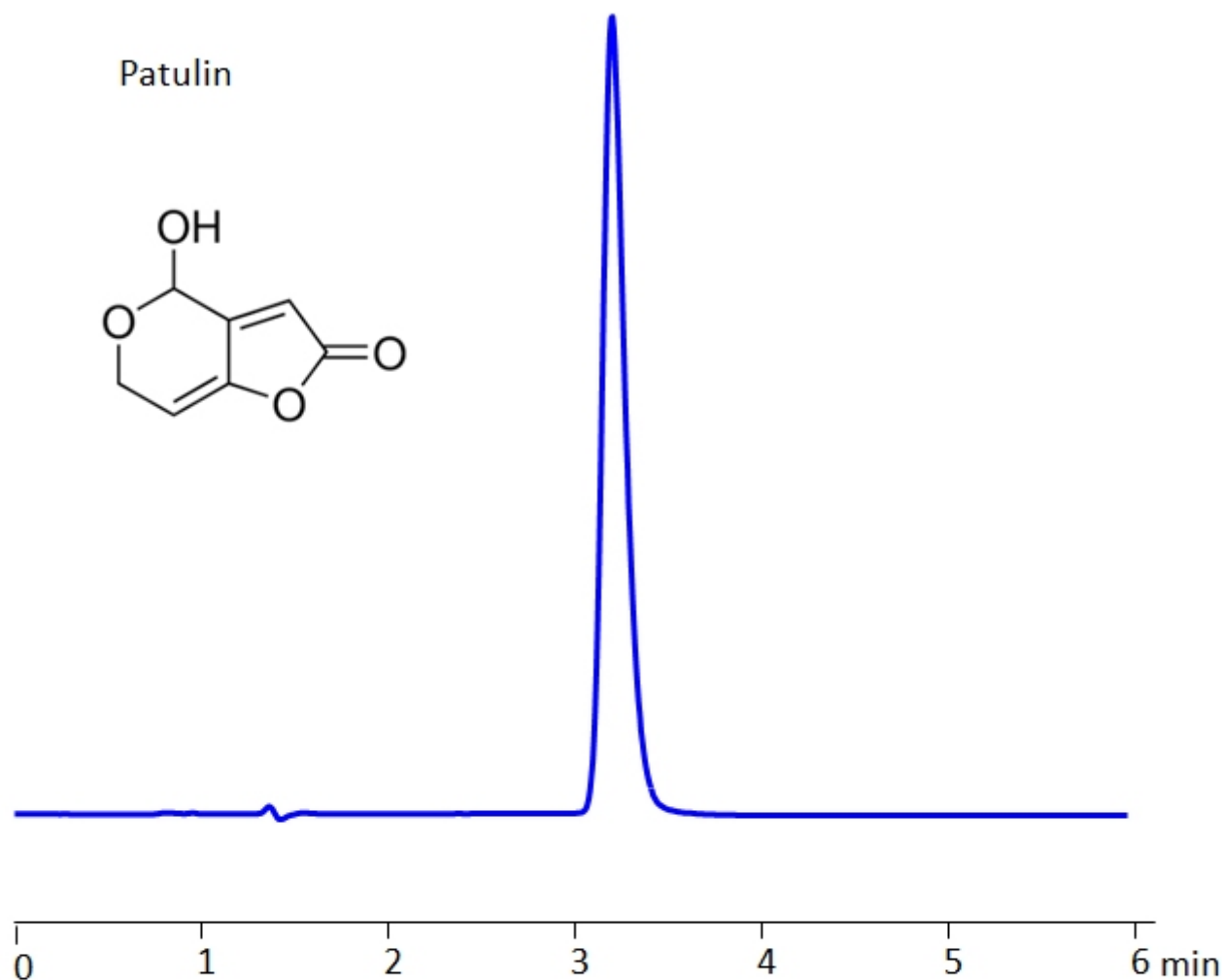


HPLC Method For Analysis Of Patulin on Newcrom R1 Column

<https://sielc.com/hplc-method-for-analysis-of-patulin>

Chromatogram



Column:	Newcrom R1
Column size:	3.2 × 100 mm, 5 µm
Column part number:	NR1-32.100.0510
Mobile phase:	MeCN/H ₂ O – 10/90%
Buffer:	H ₃ PO ₄ – 0.2%
Flow rate:	0.5 mL/min
UV Detection:	275 nm

Description

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

Patulin is a toxic chemical contaminant produced by several species of mold, especially within *Byssoschlamys Aspergillus* and *Penicillium*. It is the most common mycotoxin found in apples and apple-derived products such as juice, cider, compotes and other food intended for young children.

Patulin can be retained in HPLC on Newcrom R1 reverse-phase column with the simple isocratic mobile phase consisting of acetonitrile (MeCN, ACN), water and Phosphoric Acid (H₃PO₄) buffer. The analysis method can be UV detected at 275 nm.

Method Parameters

Mobile Phase	MeCN – 10%
Buffer	H ₃ PO ₄ – 0.2%
Flow Rate	0.5 ml/min
UV Detection	275 nm
LOD	0.002 ppm
Class of Compounds	Hydrophilic
Analyzing Compounds	Patulin

HPLC Column Used

Newcrom R1, 3.2 x 100 mm, 5 µm, 100 A, dual ended

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