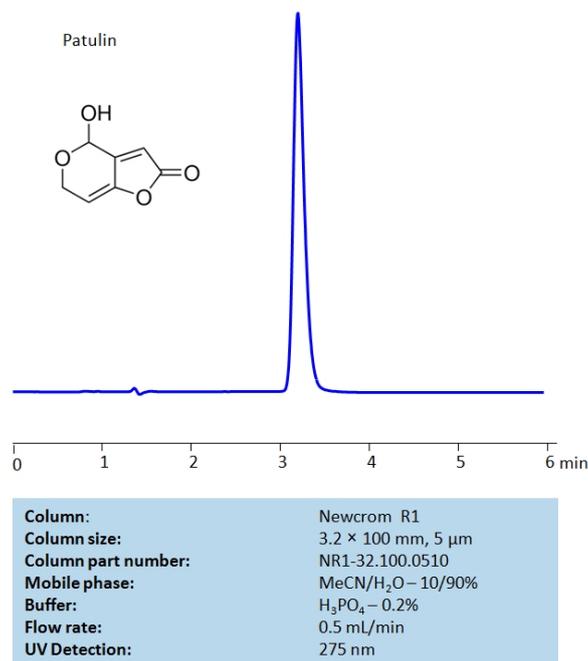


## HPLC Method For Analysis Of Patulin on Newcrom R1 Column



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 (H<sub>3</sub>PO<sub>4</sub>) buffer. The analysis method can be UV detected at 275 nm.

### Method Parameters

<b>Column</b>	Newcrom R1, 3.2 x 100 mm, 5 μm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 10%
<b>Buffer</b>	H <sub>3</sub> PO <sub>4</sub> – 0.2%
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV Detection
<b>Limit of Detection</b>	0.002 ppm

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