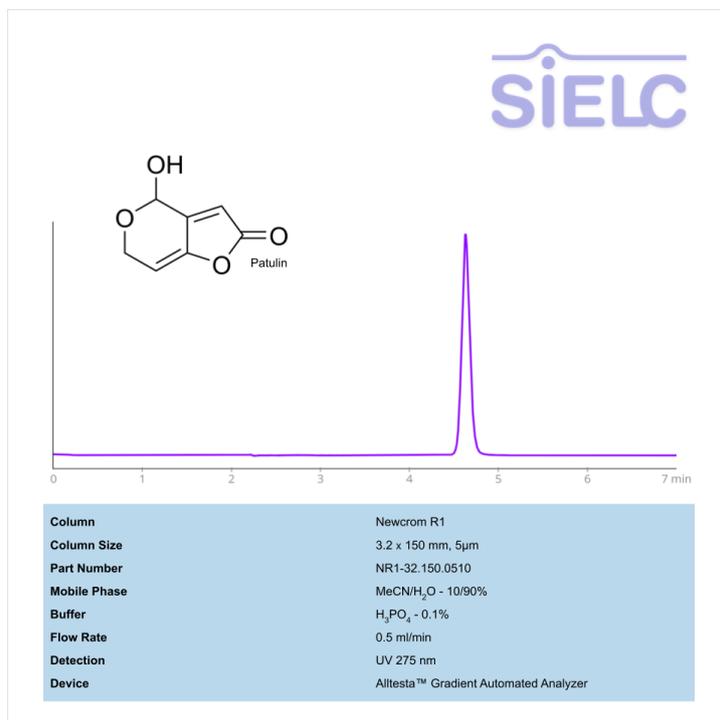


## HPLC Method for Analysis of Patulin on Newcrom R1 Column on Alltesta™



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

Patulin is a fungi produced mycotoxin with the molecular formula C<sub>7</sub>H<sub>6</sub>O<sub>4</sub>. It is lethal to rodents, as well as causing a myriad of health problems to other animals, including rats, mice, chickens, and hamsters. It is typically found on fruits and vegetables, especially apples. Extended exposure to patulin may potentially lead to tumor formation.

Patulin can be retained and analyzed using the Newcrom R1 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with an ammonium formate buffer. Detection is performed using UV.

### Method Parameters

<b>Column</b>	Newcrom R1, 3.2 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 10%
<b>Buffer</b>	Phosphoric Acid
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV 275 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-patulin-2>