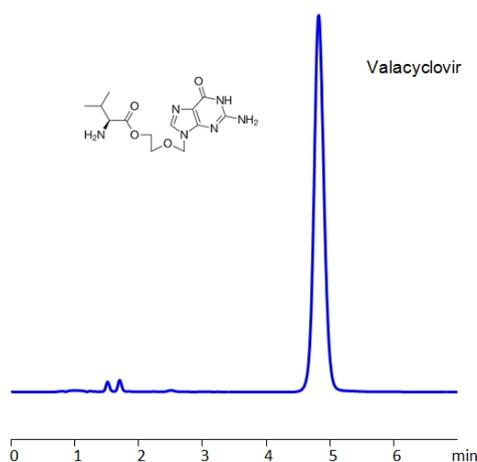


## HPLC Determination of Valacyclovir on Primesep 100 Column



**Column:** Primesep 100  
**Column size:** 3.2 × 100 mm, 5 µm  
**Mobile phase:** MeCN/H<sub>2</sub>O – 30/70%  
**Buffer:** H<sub>2</sub>SO<sub>4</sub> – 0.2%  
**Flow rate:** 0.5 mL/min  
**Detection:** UV 255 nm

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

Valacyclovir belongs to a class of drugs called antiviral drugs and has the chemical formula C<sub>13</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub>. Valacyclovir is used to treat viral infections caused by a group of viruses called herpes simplex viruses. These infections include oral and genital herpes as well as shingles. It can also be used to treat chickenpox in children.

Valacyclovir can be retained on a Valacyclovir mixed-mode column with great peak shape using an isocratic method of acetonitrile (ACN), water and sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) as a buffer. UV Detection 255 nm.

### Method Parameters

<b>Column</b>	Primesep 100, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 30/70%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 0.2%
<b>Flow Rate</b>	0.5 mL/min
<b>Detection</b>	UV, 255 nm

Quelle: <https://sielc.com/hplc-determination-of-valaciclovir>