

## HPLC Method for Analysis of 6-Benzylaminopurine on Newcrom R1 Column



### High Performance Liquid Chromatography (HPLC) Method for Analysis of 6-Benzylaminopurine

6-Benzylaminopurine is a plant growth regulation compound with the molecular formula  $C_{12}H_{11}N_5$ . Its presence in asparagus, for example, leads to deeper color, increased firmness, and a decrease in fibrous hardness. In general, it stimulates cell division and differentiation.

6-Benzylaminopurine 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 100 mm, 5 $\mu$ m, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN – 50%
<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 272 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-6-benzylaminopurine>