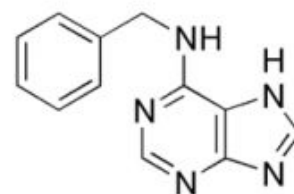


HPLC Determination of 6-Benzylaminopurine on Newcrom R1 Column

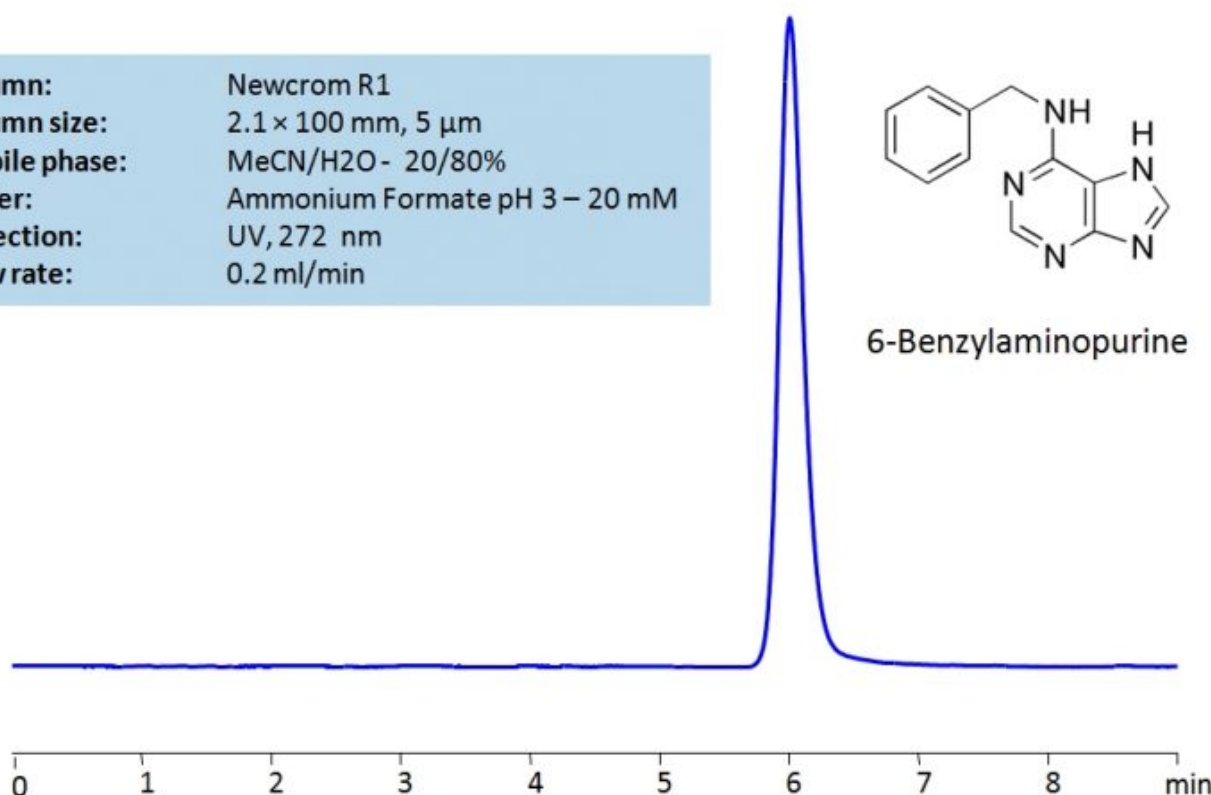
<https://sielc.com/hplc-determination-of-6-benzylaminopurine-on-newcrom-b-column-2>

Chromatogram

Column: Newcrom R1
Column size: 2.1 × 100 mm, 5 µm
Mobile phase: MeCN/H₂O - 20/80%
Buffer: Ammonium Formate pH 3 – 20 mM
Detection: UV, 272 nm
Flow rate: 0.2 ml/min



6-Benzylaminopurine



Description

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

6-Benzylaminopurine is a plant growth regulation compound with the molecular formula C₁₂ H₁₁ N₅ . It's 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. In floristry it is used to extend the shelf life of cut flowers and greens. You can find detailed UV spectra of 6-Benzylaminopurine and information about its various lambda maxima by visiting the following link.

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 a ammonium formate buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	AmFm pH 3.0 – 20 mM
Flow Rate	0.2 ml/min
Detection	UV, 272 nm

Class of Compounds	Hydrophobic, Herbicide, Pesticide
Analyzing Compounds	6-Benzylaminopurine

HPLC Column Used

Newcrom R1, 2.1 x 100 mm, 5 µm, 100 A, dual ended

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