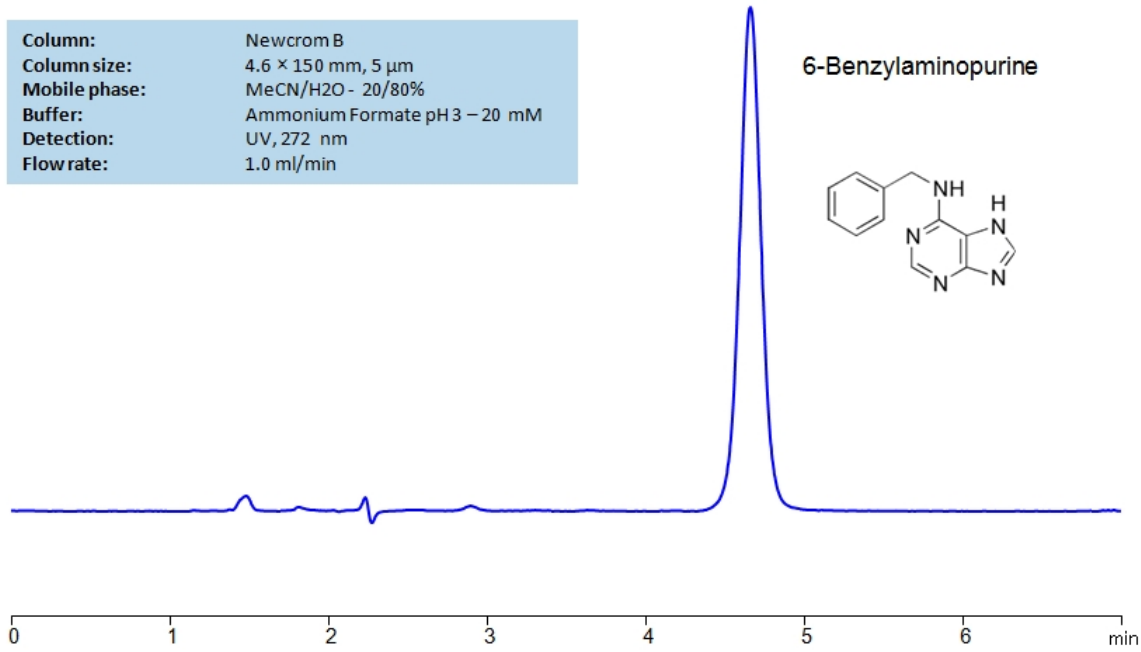
HPLC Determination of 6-Benzylaminopurine (N6-Benzyladenine) on Newcrom B Column



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

6-Benzylaminopurine is a plant growth regulation compound with the molecular formula C12H11N5 . 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.

6-Benzylaminopurine can be retained and analyzed using the Newcrom B 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

Column	Newcrom B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 20/80%
Buffer	AmFm pH 3.0 – 20 mM
Flow Rate	1.0 mL/min
Detection	UV, 272 nm

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

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