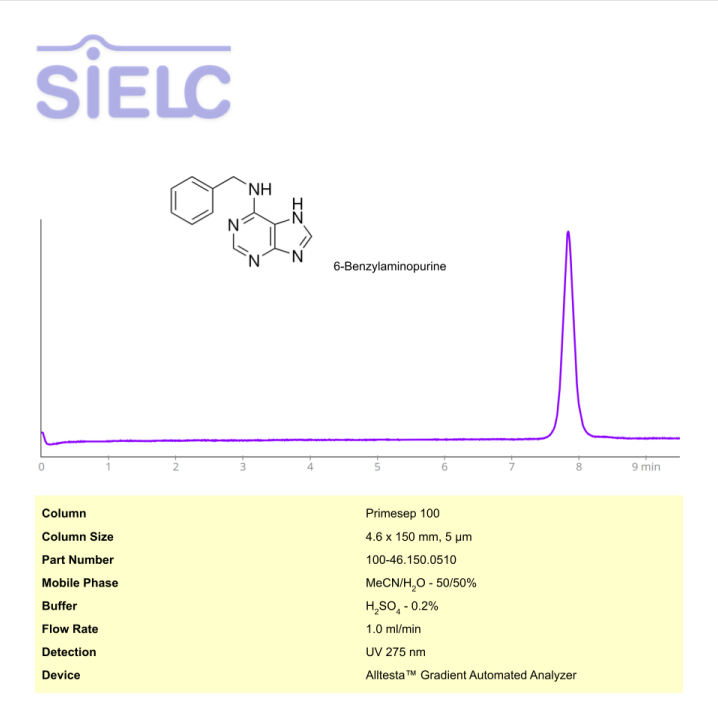
HPLC Method for Analysis of 6-Benzylaminopurin on Primesep 100 Column on Alltesta™



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 Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using UV.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	H2SO4 – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 275 nm

Quelle: https://sielc.com/hplc-method-for-analysis-of-6-benzylaminopurin