

HPLC Method for Analysis of Amoxicillin on Primesep 100 Column with Cromite™



High Performance Liquid Chromatography (HPLC) Method for Analysis of Amoxicillin

Amoxicillin is a prescription antibiotic with the molecular formula $C_{16}H_{19}N_3O_5S$. It is typically used to treat bacterial infections and is taken orally.

Amoxicillin 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, 3.2 x 100 mm, 5 μ m, 100 Å, dual ended
Mobile Phase	MeCN – 50%
Buffer	Sulfuric Acid
Flow Rate	0.5 mL/min
Detection	UV 275 nm

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