HPLC Method for Analysis of 4-Amino-2-chloropyridine on Primesep 100 Column

Separation type: Liquid Chromatography Mixed-mode SIELC Technologies

4-Amino-2-chloropyridine is a chemical compound with the molecular formula C5H5ClN2. It's a derivative of pyridine, featuring both an amino group (-NH2) and a chlorine atom as substituents.

4-Amino-2-chloropyridine is often used in organic synthesis and pharmaceuticals. It can serve as an intermediate in the production of various active pharmaceutical ingredients (APIs) and in the synthesis of other complex organic molecules.

4-Amino-2-Chloropyridine be retained and analyzed using a Primesep 100 mixed-mode stationary phase column. The analysis employs an isocratic method with a simple mobile phase comprising water, acetonitrile (MeCN), and sulfuric acid as a buffer. This method allows for detection using UV 200 nm

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 45%
Buffer	H2SO4 -0.05%
Flow Rate	1.0 mL/min
Detection	UV 200 nm
Injection Volume	1 µl

Quelle: https://sielc.com/hplc-method-for-analysis-pamoic-ivermectin-pyrantel-2