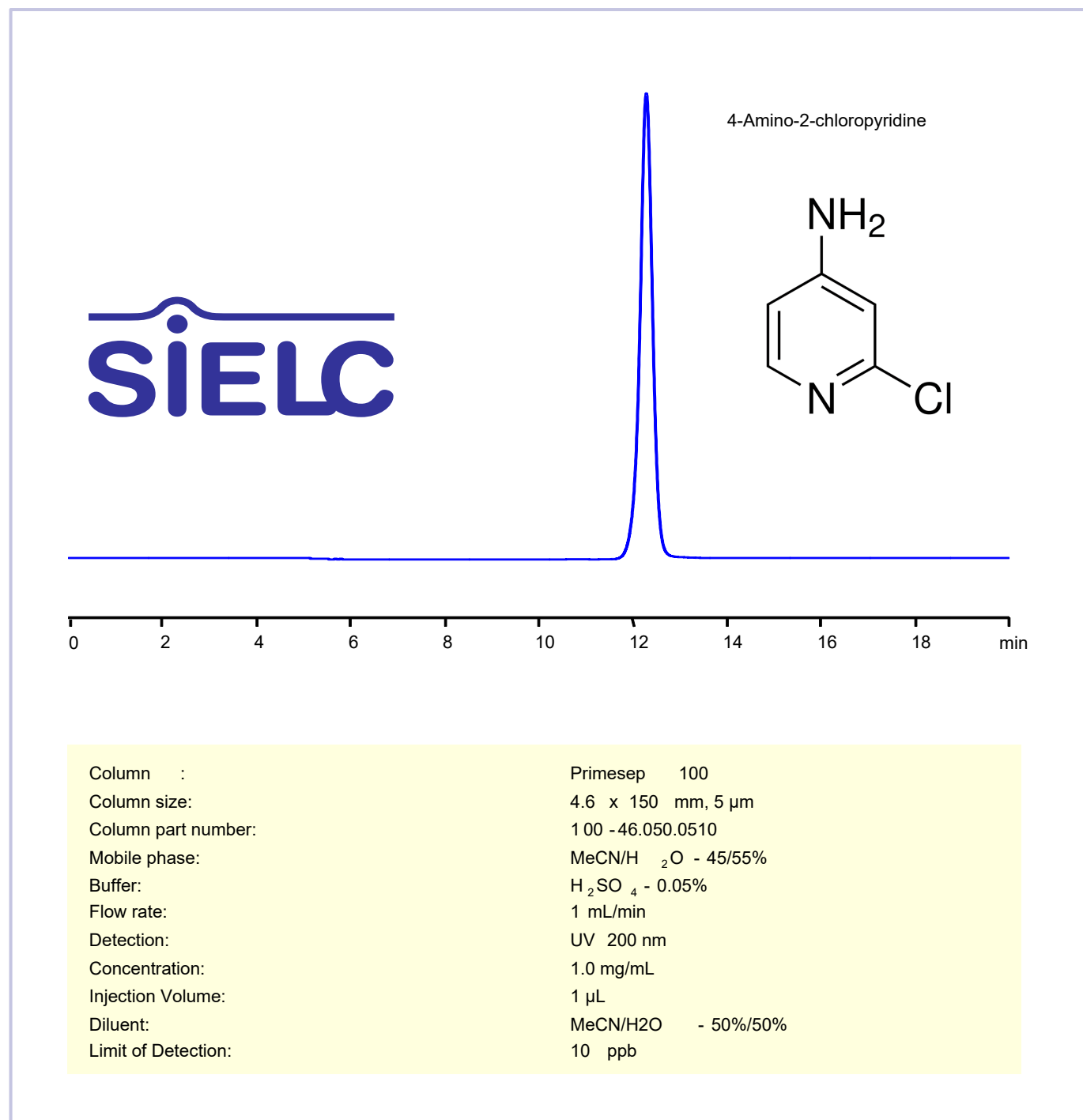


# HPLC Method for Analysis of 4-Amino-2-chloropyridine on Primesep 100 Column

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

## Chromatogram



## Description

· Separation type: Liquid Chromatography Mixed-mode SiELC Technologies · HPLC Method for Analysis of 4-Amino-2-chloropyridine on Primesep 100 Column

4-Amino-2-chloropyridine is a chemical compound with the molecular formula C<sub>5</sub>H<sub>5</sub>ClN<sub>2</sub>. It's a derivative of pyridine, featuring both an amino group (-NH<sub>2</sub>) 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

<b>Mobile Phase</b>	MeCN – 45%
<b>Buffer</b>	H2SO4 -0.05%
<b>Flow Rate</b>	1.0 ml/min
<b>Detection</b>	UV 200 nm
<b>Samples</b>	1.0 mg/ml MeCN/H2O – 50/50%
<b>Injection volume</b>	1 µl
<b>LOD*</b>	8 ppb (200 nm)
<b>Class of Compounds</b>	Pyridines
<b>Analyzing Compounds</b>	4-Amino-2-Chloropyridine

#### HPLC Column Used

**Primesep 100, 4.6 x 150 mm, 5 µm, 100 A, dual ended**

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