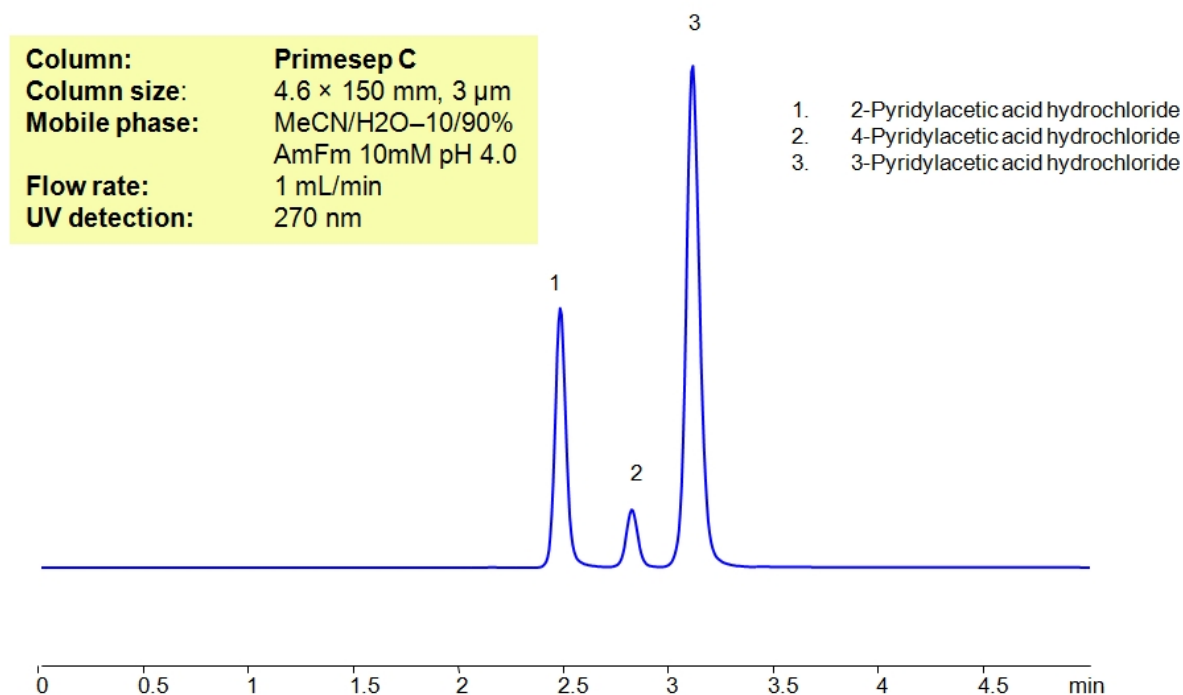


HPLC Separation Of Mixture Of Pyridylacetic Acids (2-Pyridylacetic acid, 3-Pyridylacetic acid, 4-Pyridylacetic acid) On Primesep C Column

<https://sielc.com/hplc-separation-of-mixture-of-pyridylacetic-acids-on-primesep-c-column>

Chromatogram



HPLC Separation Of Mixture of Pyridylacetic Acids

Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of 2-Pyridylacetic acid hydrochloride , 3-Pyridylacetic acid hydrochloride , 4-Pyridylacetic acid hydrochloride

Pyridylacetic Acids are a class of compounds with a pyridine ring and an acetic acid. These acids are typically building blocks found in organic synthesis/ On occasion, they can also act as human xenobiotic metabolites.

2-Pyridylacetic acid hydrochloride , 3-Pyridylacetic acid hydrochloride , 4-Pyridylacetic acid hydrochloride can be retained and analyzed using the Primesep C stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a ammonium formate buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 10/90%
Buffer	AmFm pH 4.0- 10 mM
Flow Rate	1.0 ml/min
Detection	UV, 270 nm

Class of Compounds	Acid, Hydrophilic, Ionizable, Metabolite of nicotine and other tobacco alkaloids
Analyzing Compounds	2-Pyridylacetic acid hydrochloride 3-Pyridylacetic acid hydrochloride 4-Pyridylacetic acid hydrochloride

HPLC Column Used

Primesep C, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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