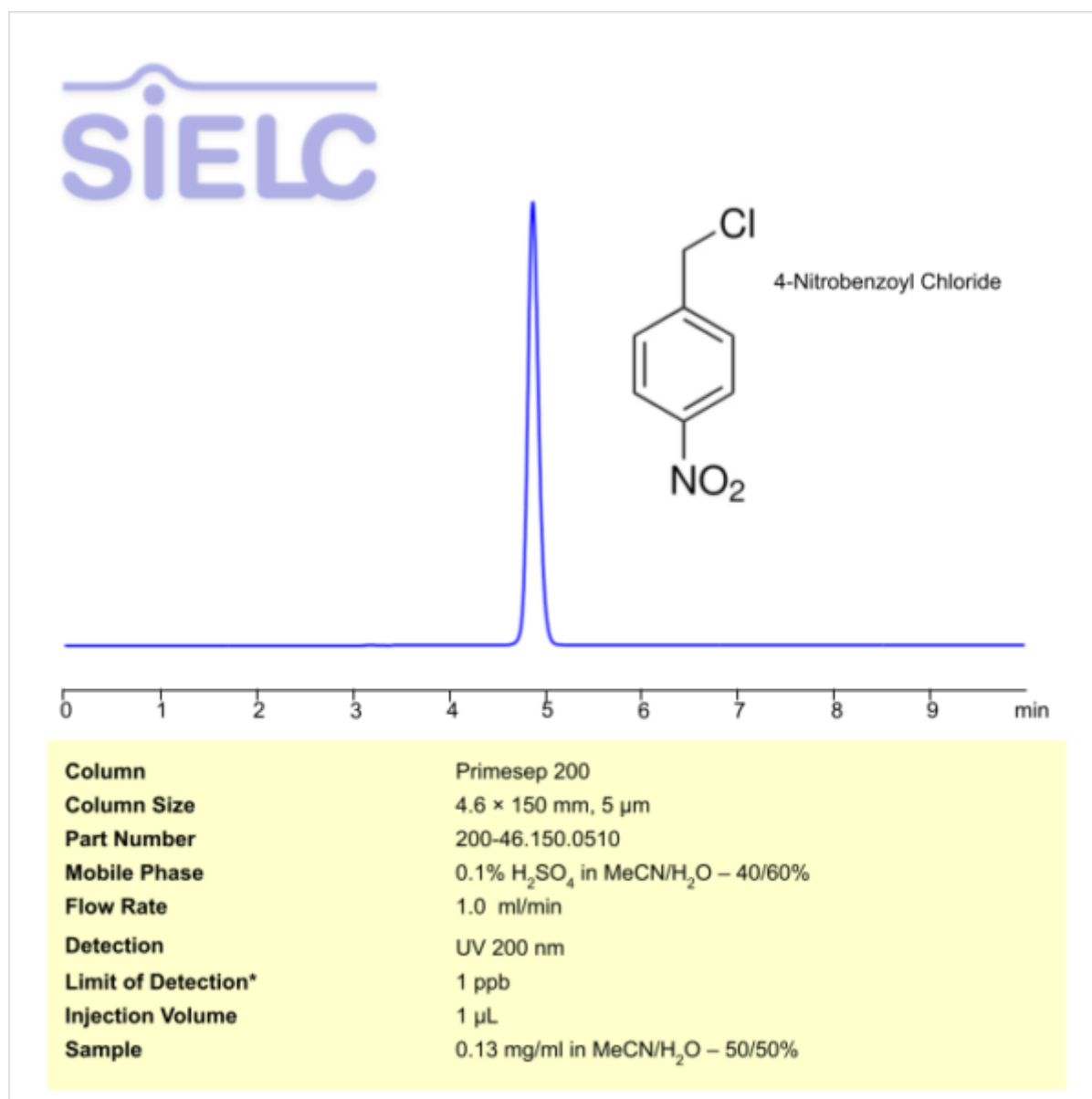


HPLC Method for Analysis of 4-Nitrobenzoyl Chloride on Primesep 200 Column

<https://sielc.com/hplc-ms-separation-of-4-nitrobenzoyl-chloride>

Chromatogram



Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Epibatidine

4-nitrobenzoyl chloride is an acyl halide with the chemical formula C₇H₄ClNO₂. It is primarily used in preparation of polysubstituted furanonaphthoquinones and as an intermediate in active pharmaceutical ingredients and dyes. You can find detailed UV spectra of 4-Nitrobenzoyl chloride and information about its various lambda maxima by visiting the following link.

4-Nitrobenzoyl chloride can be retained and analyzed using the Primesep 200 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

Mobile Phase

MeCN/H₂O – 40/60%

Buffer	H2SO4 – 0.1%
Flow Rate	1.0 ml/m
Detection	UV 200 nm
Class of Compounds	Acyl Halide
Analyzing Compounds	4-Nitrobenzoyl chloride

HPLC Column Used

Primesep 200, 4.6 x 150 mm, 5 µm, 100 A, dual ended

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