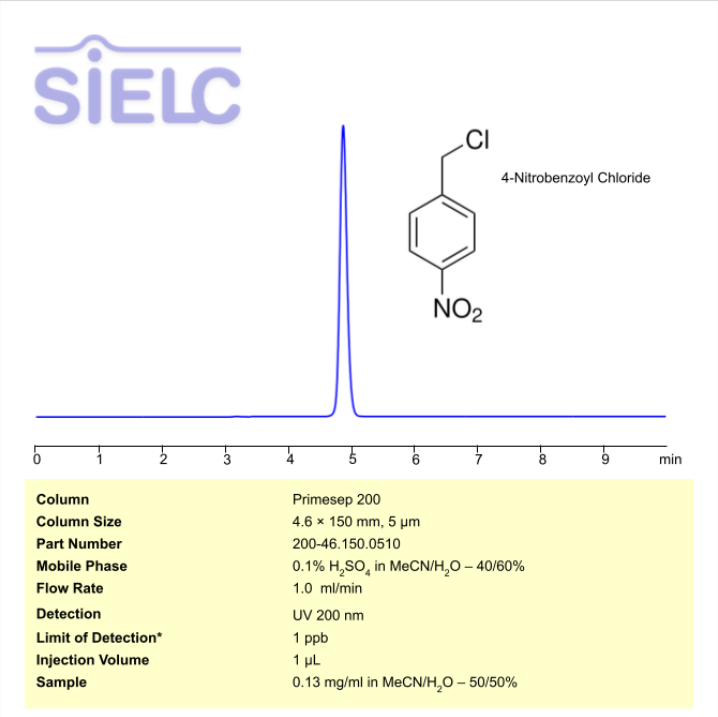
HPLC Method for Analysis of 4-Nitrobenzoyl Chloride on Primesep 200 Column



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

4-nitrobenzoyl chloride is an acyl halide with the chemical formula C7H4ClNO3 . It is primarily used in preparation of polysubstituted furanonaphthoquinoines 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

Column	Primesep 200, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 40/60%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 200 nm

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