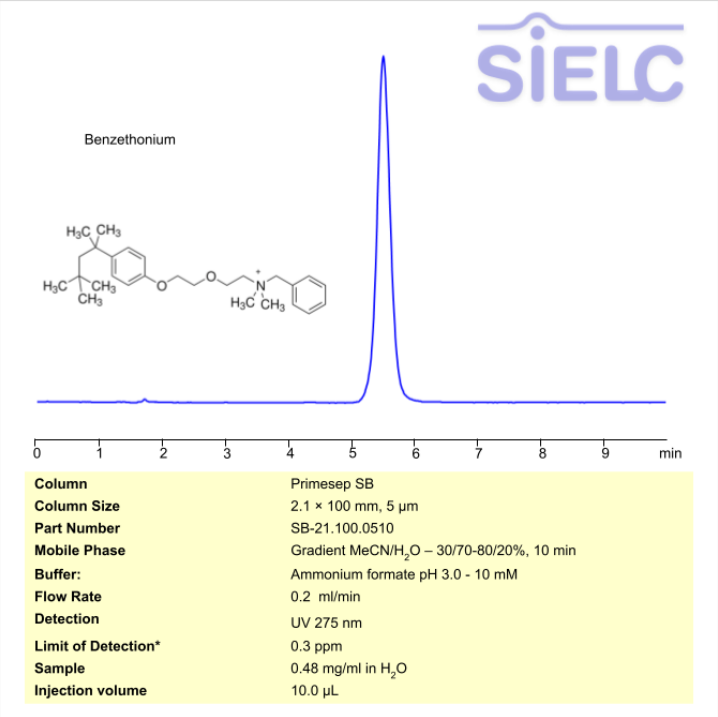
HPLC UV Method for Analysis of Benzethonium Chloride on Primesep SB Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Benzethonium chloride .

Benzethonium is a synthetic quaternary ammonium salt with the chemical formula C27H42NO2 + . It's primary used as a disinfectant due to it's antiseptic and antimicrobial properties. Benzethonium chloride , which is the salt form of this compound, in small concentration is used as skin disinfectant as well as an antimicrobial agent in first aid. You can find detailed UV spectra of Benzethonium chloride and information about its various lambda maxima by visiting the following link.

Benzethonium chloride can be retained and analyzed using the Primesep SB stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN) buffer. Detection is performed using UV.

Method Parameters

Column	Primesep SB, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN/H2O – 30/70% – 80/20%
Buffer	AmFm pH 3.0- 10 mM
Flow Rate	0.2 mL/min
Detection	UV 275 nm

Quelle: https://sielc.com/hplc-method-for-benzethonium-2