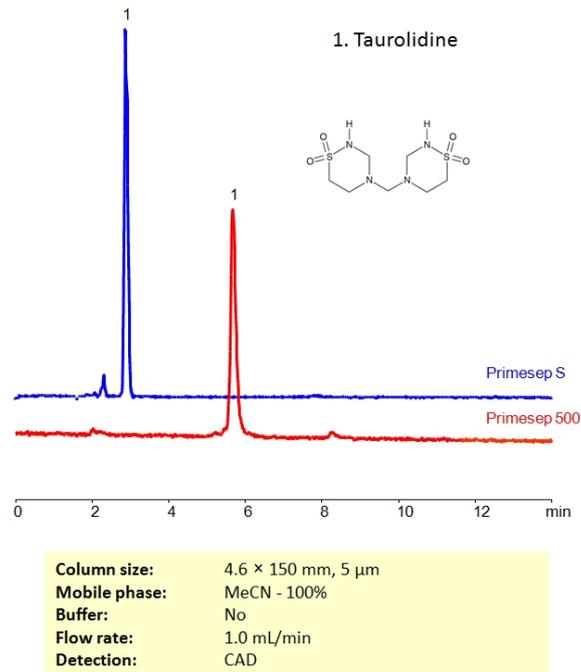


HPLC Determination of Taurolidine on Primesep Columns



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

Taurolidine is important medication used primarily as an antimicrobial agent in the prevention of bacterial infections in catheters. It has also been shown to have some anti-tumor properties. Taurolidine is not approved for use in the United States, but widely used in the rest of the world. HPLC analysis of taurolidine in reverse-phased mode poses a challenge with mobile phases that contain water. It undergoes hydrolysis when exposed to water and therefore requires pure organic mobile phase. We developed a simple method based on our mixed-mode column technology. Interesting that varying retention times, based on the molecular structure of ligand, can be achieved in pure bufferless acetonitrile (ACN) mobile phase using SIELC's mixed-mode Primesep columns.

Method Parameters

Column	Primesep S, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 100%
Flow Rate	1.0 mL/min
Detection	CAD (Corona) MS- compatible mobile phase

Quelle: <https://sielc.com/hplc-determination-of-taurolidine-on-primesep-columns>