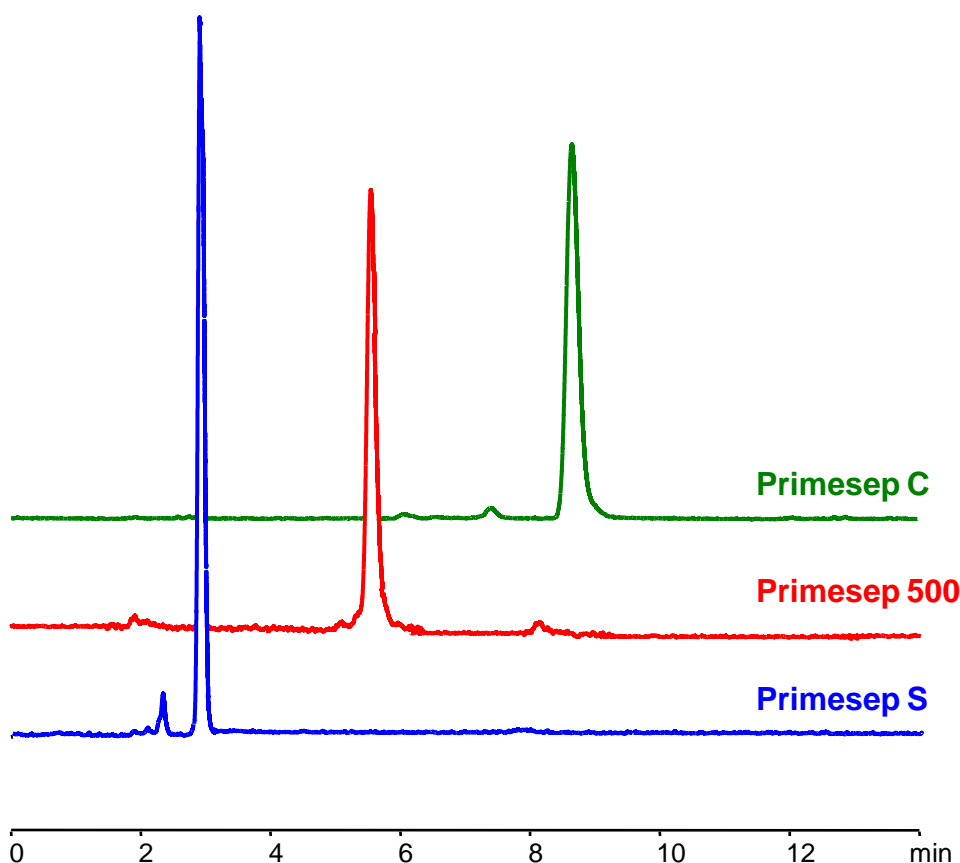


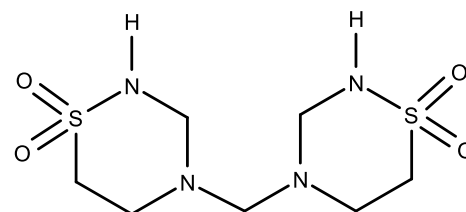
Cool Applications

"Making Tough LC Applications Look Cool"

HPLC DETERMINATION OF TAUROLIDINE



Taurolidine structure



Column size:	4.6 × 150 mm, 5 μm
Mobile phase:	MeCN - 100%
Buffer:	No
Flow rate:	1.0 ml/min
Detection:	CAD
Injection volume:	2 μL
Sample:	0.1 mg/ml in MeCN

Application Comments

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 in pure bufferless acetonitrile (ACN) mobile phase, can be achieved using different SIELC's mixed-mode Primesep columns which are different in the molecular structure of the stationary phase ligand.

Visit www.sielc.com to learn more about Primesep columns.