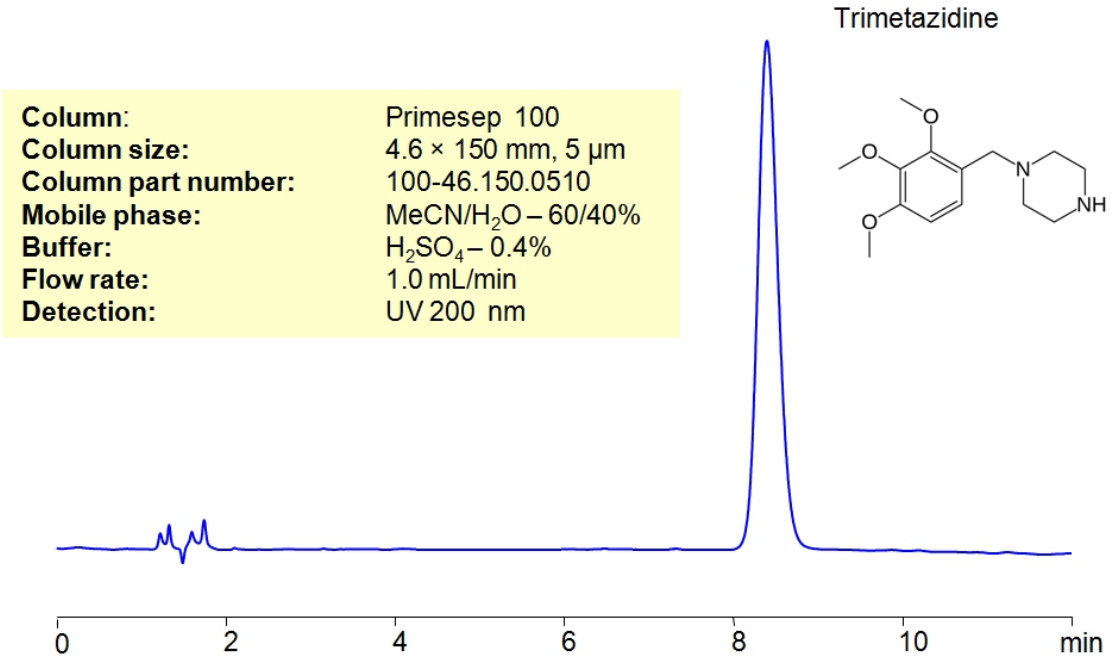
HPLC Method For Analysis Of Trimetazidine Hydrochloride on Primesep 100 Column



Separation type: Liquid Chromatography Mixed-mode

High Performance Liquid Chromatography (HPLC) Method for Analysis of Trimetazidine Hydrochloride λmax 270 nm

Trimetazidine (TMZ) is a popular medication taken to treat angina and other heart conditions. It works by breaking down fatty acids and allowing for the heart to be better oxygenated. TMZ can be retained and analyzed on a mixed-mode Primesep 100 column with a mobile phase consisting of water, Acetonitrile (MeCN), and Perchloric acid (HClO4). This analytical method can be UV detected at 200 nm with high resolution and peak symmetry.

Method Parameters

Column	Primesep 100, 4.6×150 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H2O – 60/40%
Buffer	H2SO4 – 0.4%
Flow Rate	1.0 mL/min
Detection	UV, 200 nm,

Quelle: https://sielc.com/hplc-method-for-analysis-of-trimetazidine-hydrochloride