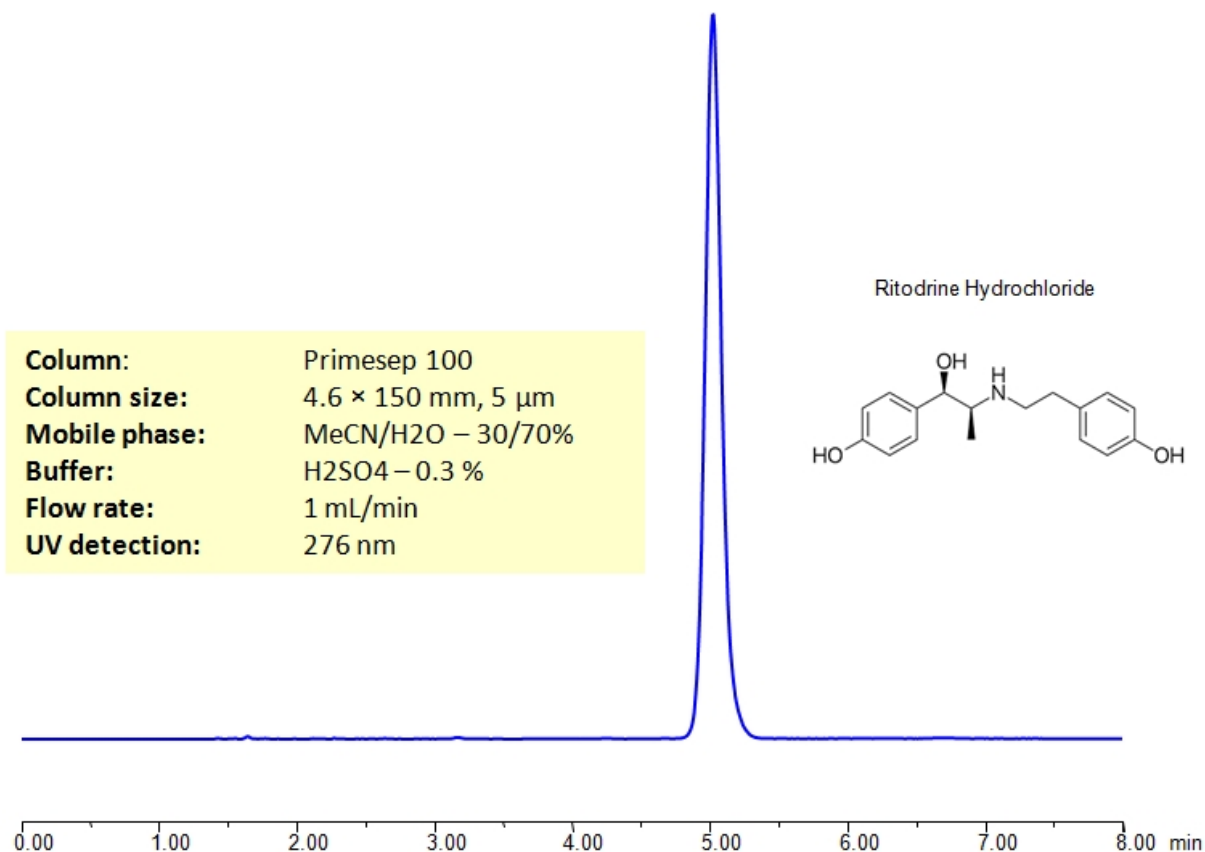


HPLC Determination of Ritodrine on Primesep 100

<https://sielc.com/hplc-determination-of-ritodrine>

Chromatogram



HPLC Determination of Ritodrine_1181

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Ritodrine

Ritodrine (also Yutopar), is a drug used in relaxation of smooth muscle and to stop premature labor. It has been pulled from the US market due to its side effects. Ritodrine can be retained on a Primesep 100 column with great peak shape using isocratic method of 30/70 Acetonitrile (ACN) and water with 0.3% sulfuric acid as buffer. UV Detection 276nm.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 30/70%
Buffer	H ₂ SO ₄ – 0.3 %
Flow Rate	1.0 ml/min
Detection	UV, 276 nm
Class of Compounds	Drug, Basic, Hydrophobic, Ionizable, Amine

HPLC Column Used

Primesep 100, 4.6×150 mm, 5 µm, 100A[Order this column at hplc-shop.de →](https://www.hplc-shop.de)