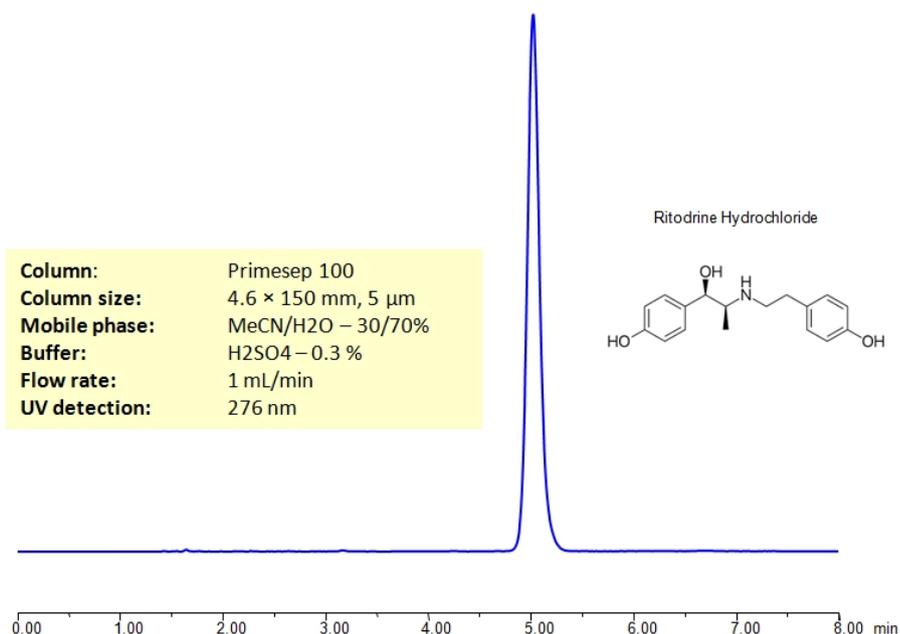


## HPLC Determination of Ritodrine on Primesep 100



### 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 276 nm.

### Method Parameters

<b>Column</b>	Primesep 100, 4.6×150 mm, 5 µm, 100 Å
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 30/70%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 0.3%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV, 276 nm

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