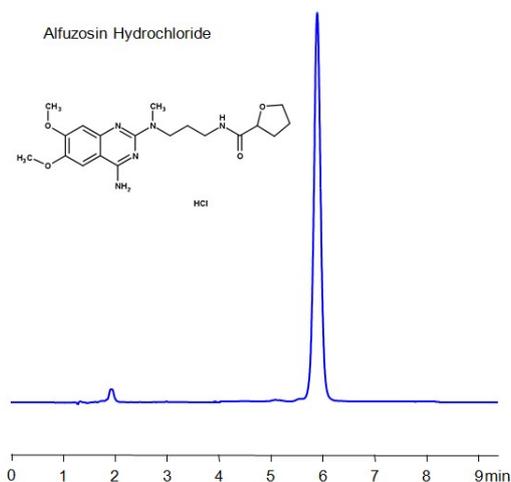


## HPLC Method for Analysis of Alfuzosin in Tablet Dosage Form on Primesep 100 Column



<b>Column:</b>	Primesep 100
<b>Column size:</b>	4.6× 150 mm, 5 µm
<b>Column part number:</b>	100-46.150.0510
<b>Mobile phase:</b>	MeCN/H <sub>2</sub> O – 70/30%
<b>Buffer:</b>	H <sub>2</sub> SO <sub>4</sub> – 0.1%
<b>Flow rate:</b>	1.0 mL/min
<b>Detection:</b>	UV 254 nm

Separation type: Liquid Chromatography Mixed-mode

Alfuzosin is a medication used to treat the signs and symptoms of benign prostatic hyperplasia (BPH), which is an enlarged prostate gland. It doesn't shrink the prostate but works by relaxing the muscles of the prostate and the bladder, which helps to relieve symptoms like difficulty in starting the flow of urine, weak stream, and the need to urinate often or urgently.

Alfuzosin can be retained, and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a Sulfuric acid as a buffer. This analysis method can be detected using UV at 254 nm.

### Method Parameters

<b>Column</b>	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 70/30%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> – 0.1%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 254 nm

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