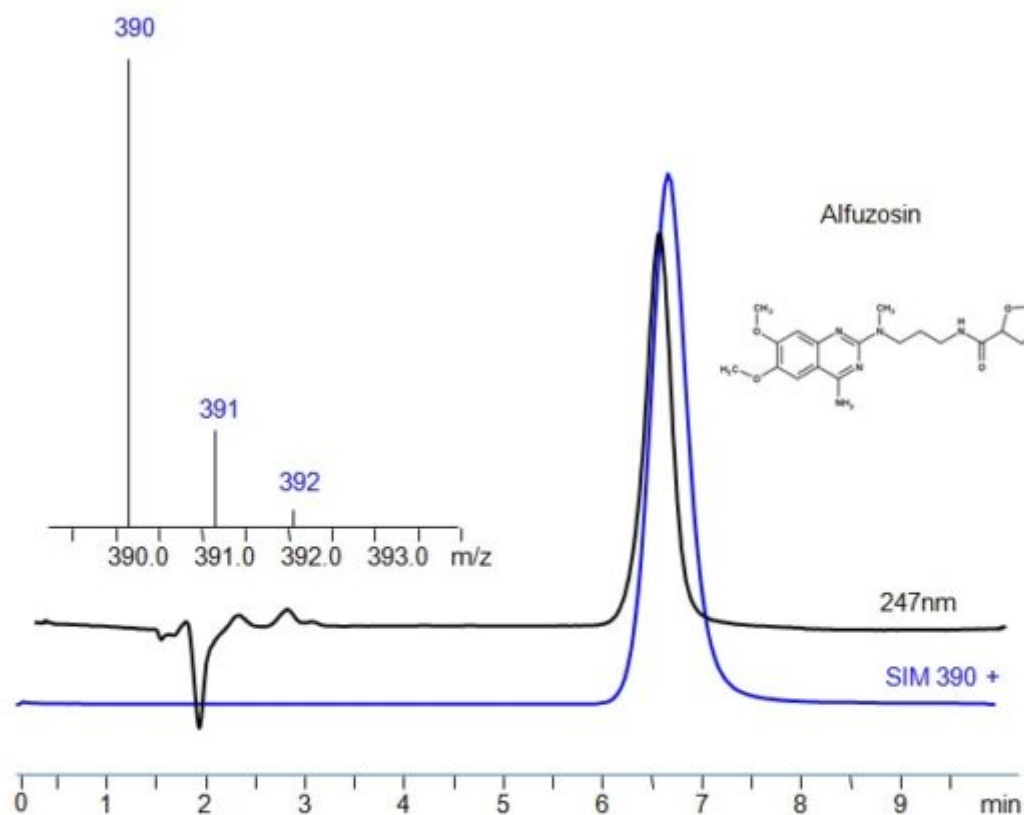


HPLC – MS Method for Analysis of Alfuzosin on Primesep 200 Column

<https://sielc.com/hplc-method-for-analysis-of-alfuzosin-ms>

Chromatogram



Column:	Primesep 200
Column size:	2.1 × 100 mm, 5 µm
Column part number:	200-21.100.0510
Mobile phase:	MeCN/H ₂ O – 70/30%
Buffer:	Ammonium Formate pH 3.0 – 10 mM
Flow rate:	0.2 mL/min
Detection:	UV 247 nm, SIM 390 +

HPLC- MS Method for Analysis of Alfuzosin on Primesep 200 Column

Description

· HPLC- MS Method for Analysis of Alfuzosin on Primesep 200 Column

Alfuzosin is a medication with the chemical formula C₁₉H₂₇N₅O₄. It is 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. You can find detailed UV spectra of Alfuzosin and information about its various lambda maxima by visiting the following link.

Alfuzosin can be retained, and analyzed on a Primesep 200 mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and an ammonium formate as a buffer. This analysis method can be detected using UV at 247 nm, an Evaporative Light Scattering Detector (ELSD), or any other evaporative detection method.

(CAD, ESI-MS)

Method Parameters

Mobile Phase	MeCN – 70%,
Buffer	Ammonium Formate pH 3.0-20 mM
Flow Rate	0.2 ml/min
Detection	UV, 247 nm, SIM 390 +
Spray Voltage:	1.5 kV
Nebulizing gas:	1.5 L/min
Drying gas:	15 L/min
DL temp:	250 ■C
Heat Block:	400 ■C
Class of Compounds	Quinazolines, alpha-1 adrenergic receptor antagonist
Analyzing Compounds	Alfuzosin

HPLC Column Used

Primesep 200, 2.1 x 100 mm, 5 µm, 100 A, dual ended

[Order this column at hplc-shop.de →](http://hplc-shop.de)