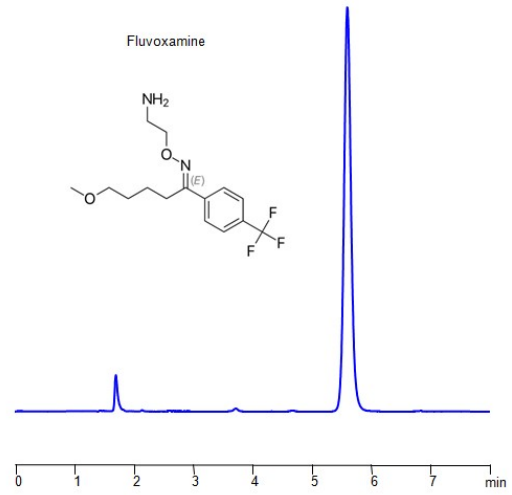
HPLC Method for Analysis of Fluvoxamine on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H_2O – 70/30%
Buffer:	H_2SO_4 - 0.2%
Flow rate:	1.0 mL/min
Detection:	UV 252 nm

Fluvoxamine is a medication that belongs to a class of drugs known as selective serotonin reuptake inhibitors (SSRIs). It's primarily used to treat a range of anxiety and obsessive-compulsive related disorders.

Fluvoxamine 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 252 nm.

*LOD was determined for this combination of instrument, method, and analyte, and it can vary from one laboratory to another even when the same general type of analysis is being performed.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 70/30%
Buffer	H2SO4 -0.2%
Flow Rate	1.0 mL/min
Detection	UV 252 nm

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