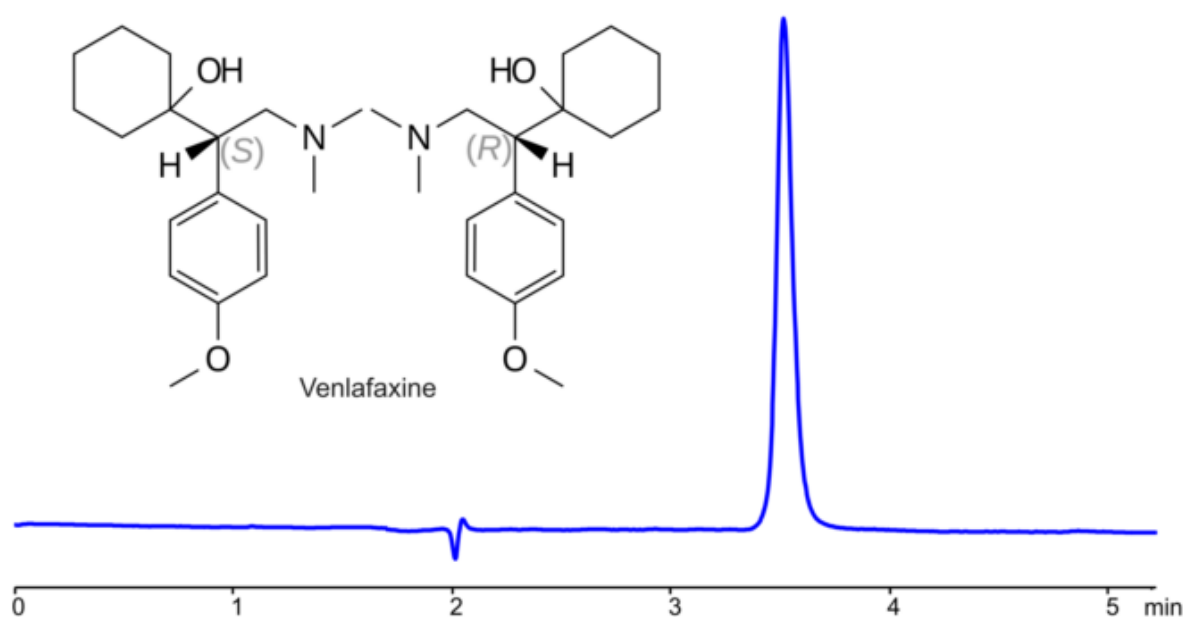


HPLC Method for Analysis of Venlafaxine on Chromni Column

<https://sielc.com/hplc-method-for-analysis-of-venlafaxine-2>

Chromatogram

SiELC



Column:	Chromni™
Column size:	4.6 × 150 mm, 3 µm
Column part number:	CHR-46.150.0310
Mobile phase:	MeCN/H ₂ O – 15/85%
Buffer:	H ₃ PO ₄ - 0.1%
Flow rate:	1.0 mL/min
Detection:	UV 275 nm

Description

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

Venlafaxine serotonin-norepinephrine reuptake inhibitor (SNRI) with the molecular formula C₁₇H₂₇NO₂.

Properties: Appearance: Variety of tablets and capsules as determined by the distributor · Molecular weight: ~277.402 g/mol ·

Solubility: Soluble in water. · Uses: Medication for treating Major Depressive Disorder

Venlafaxine can be retained and analyzed using the Chromni stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN – 15%
Buffer	Phosphoric Acid
Flow Rate	1.0 ml/min
Detection	UV 275 nm
Class of Compounds	tertiary amino
Analyzing Compounds	Venlafaxine

HPLC Column Used

Chromni, 4.6 x 150 mm, 3 µm, 100 Å, dual ended

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