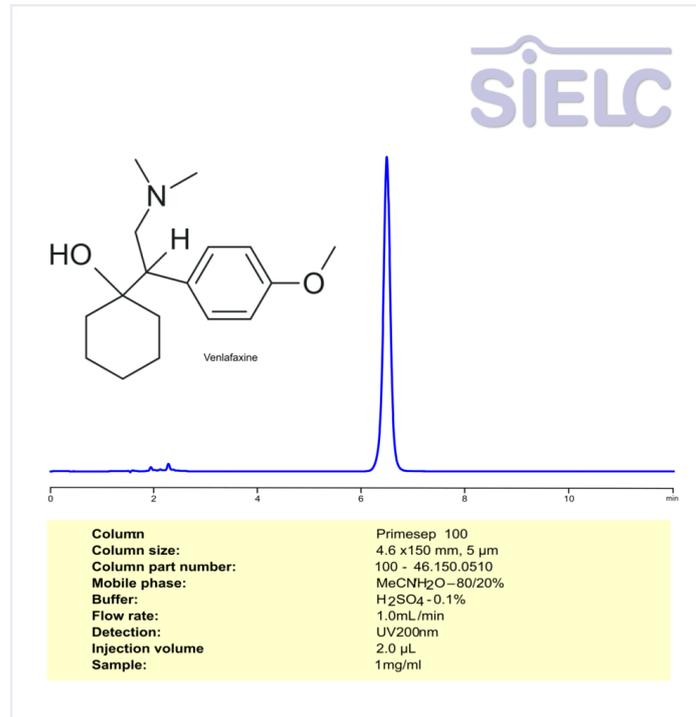


HPLC Method for Analysis of Venlafaxine on Primesep 100 Column



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

Venlafaxine is an organic compound with the molecular formula C₁₇H₂₇NO₂.

Properties: Appearance: Typically a white to off-white crystalline solid.

Molecular weight: ~277.4 g/mol

Solubility: Soluble in organic solvents.

Uses: A type of antidepressant. It is believed to work by increasing levels of serotonin and norepinephrine in the brain.

Venlafaxine can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and sulfuric acid. Detection is performed using UV at 200 nm.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 80%
Buffer	H ₂ SO ₄ – 0.1%
Detection	UV 200 nm

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