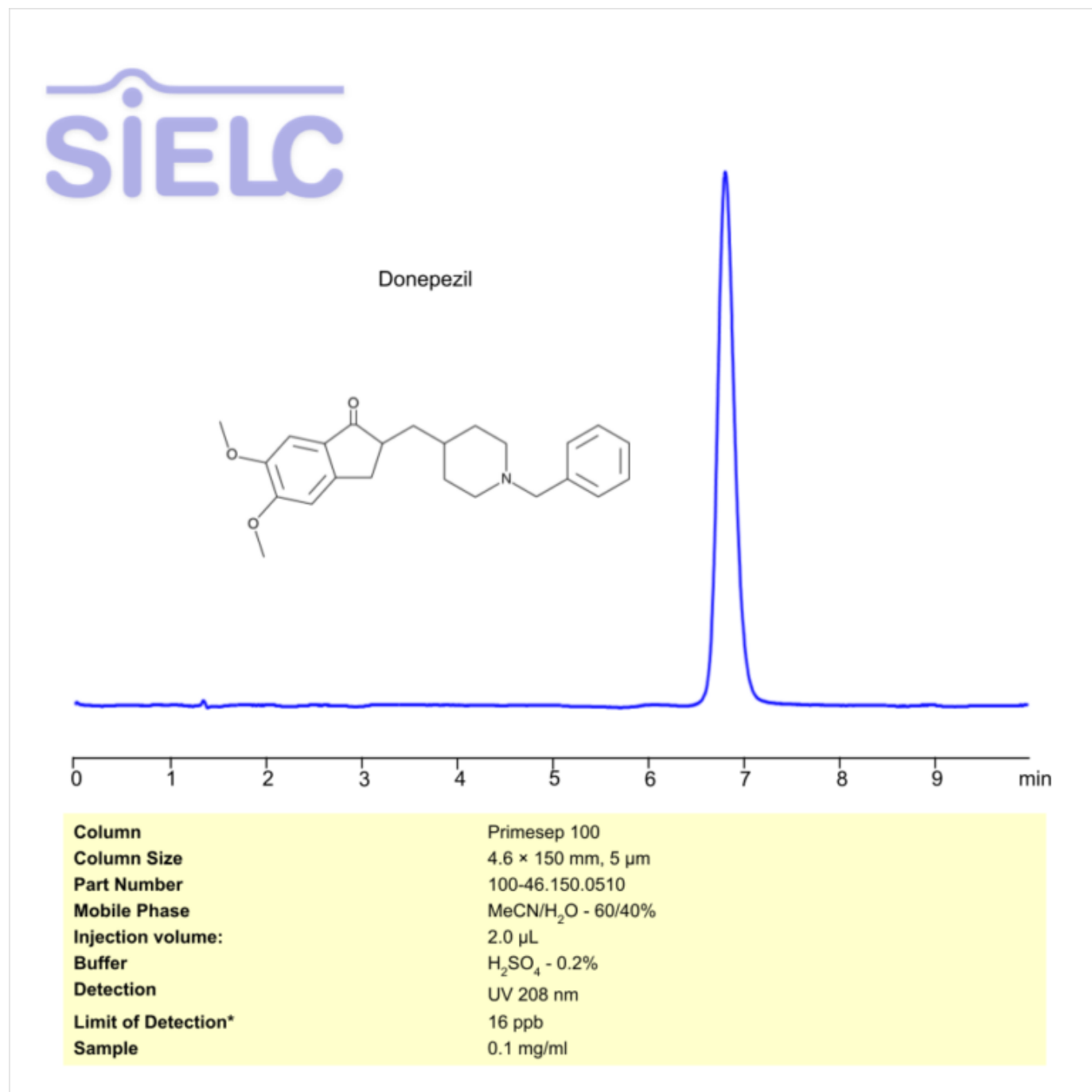


HPLC Method for Analysis of Donepezil on Primesep 100 Column

<https://sielc.com/hplc-analysis-of-donepezil-on-primesep-100>

Chromatogram



Description

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

Donepezil is a medication with the chemical formula C₂₄H₂₉NO₃. It is primarily used to treat dementia and improve cognition, but has not shown to cause any change in the progression of the disease. Some research suggests that it can be used to treat Lewy body dementia, effects of traumatic brain injury, and vascular dementia. You can find detailed UV spectra of Donepezil and information about its various lambda maxima by visiting the following link.

Donepezil 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 acetonitrile (MeCN). Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN/H ₂ O
Buffer	Sulfuric Acid
Flow Rate	1.0 ml/min
Detection	UV 208 nm
Limit of Detection*	16 ppb
Class of Compounds	Drug
Analyzing Compounds	Donepezil

HPLC Column Used

Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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