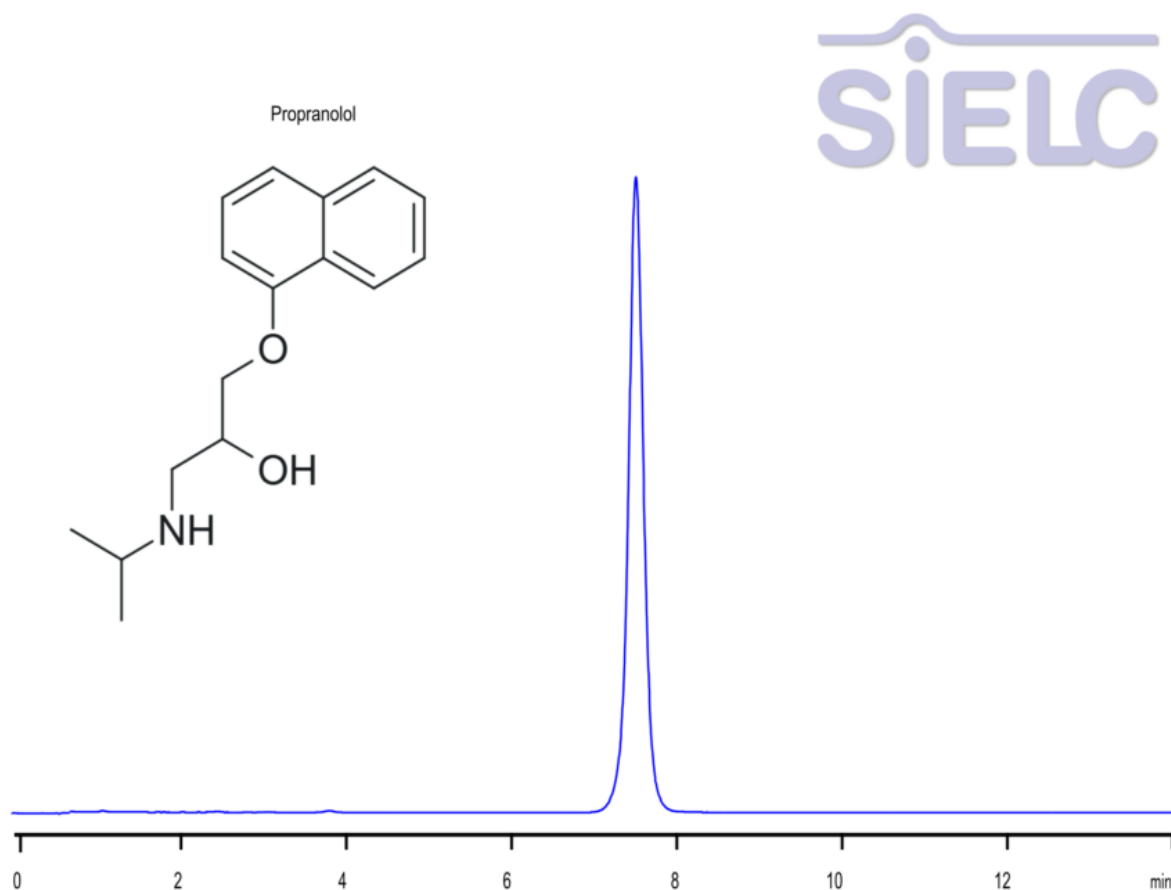


HPLC Method for Analysis of Propranolol on Primesep 100 Column

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

Chromatogram



Column:	Primesep 100
Column size:	4.6 x 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H ₂ O – 70/30%
Buffer:	H ₂ SO ₄ - 0.1%
Flow rate:	1.0 mL/min
Detection:	UV 270 nm
Injection volume:	5.0 µL
Sample:	1 mg/ml
LOD:	14 ppb

Description

· High Performance Liquid Chromatography (HPLC) Method for Analysis of Propranolol · Propranolol is an organic compound with the molecular formula C₁₆H₂₁NO₂. · Properties: Appearance: Typically a stable, odorless, white to off-white crystalline powder. · Molecular weight: ~259.34 g/mol · Solubility: Soluble in water and ethanol.

Uses: A non-selective beta-blocker. Used to treat a variety of conditions, both cardiovascular and non-cardiovascular.

Propranolol 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 270 nm.

Method Parameters

Mobile Phase	MeCN – 70%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 270 nm
LOD	14 ppb
Class of Compounds	Synthetic Organic Compound
Analyzing Compounds	Propranolol

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)