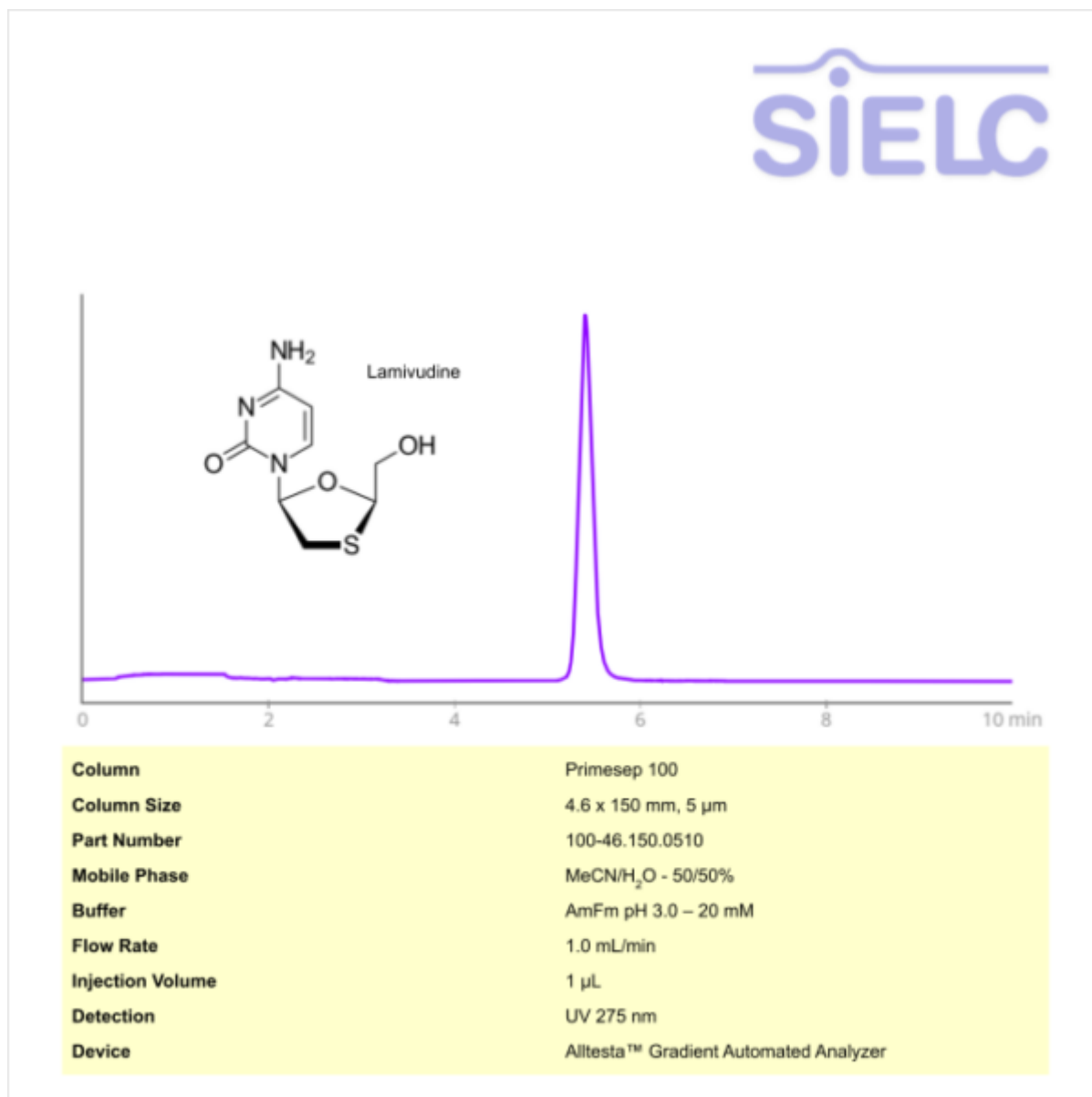


HPLC Method for Analysis of Lamivudine on Primesep 100 Column on Alltesta™

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

Chromatogram



Description

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

Lamivudine is an antiviral medication with the chemical formula C₈H₁₁N₃O₃S. It is used primarily to treat infections caused by the human immunodeficiency virus (HIV) and hepatitis B virus (HBV). It belongs to a class of drugs known as nucleoside reverse transcriptase inhibitors (NRTIs). You can find detailed UV spectra of Lamivudine and information about its various lambda maxima by visiting the following link.

Lamivudine 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 and acetonitrile (MeCN) with ammonium formate as a buffer. Detection is performed using UV.

Method Parameters

Mobile Phase	MeCN -50/50%
Buffer	AmFm pH 3.0 – 20 mM
Flow Rate	1.0 mL/min
Detection	UV 275 nm
Class of Compounds	Medication
Analyzing Compounds	Lamivudine

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)