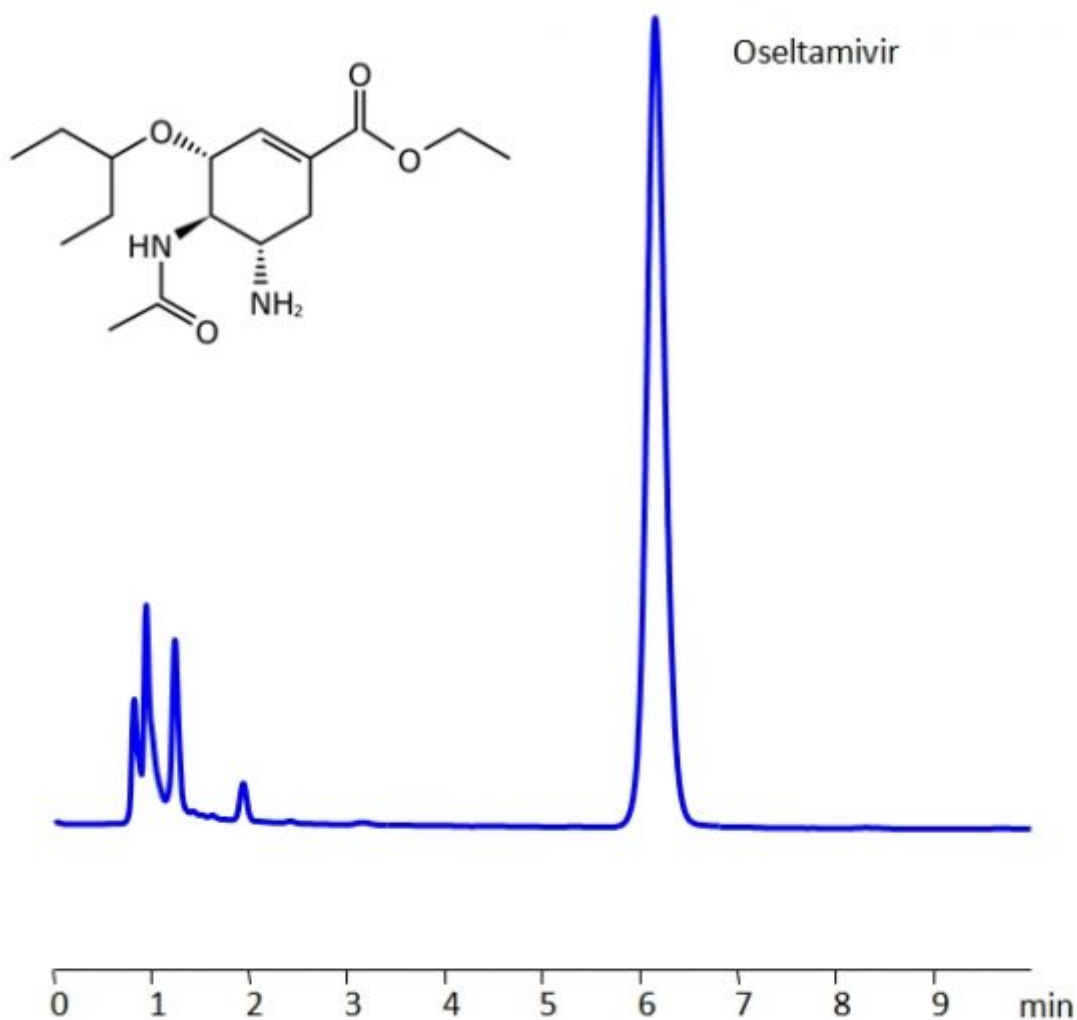


HPLC Determination of Oseltamivir on Primesep 100 Column

<https://sielc.com/hplc-determination-of-oseltamivir>

Chromatogram



Column:	Primesep 100
Column size:	3.2 × 100 mm, 5 µm
Mobile phase:	MeCN/H ₂ O – 30/70%
Buffer:	H ₂ SO ₄ – 0.5%
Flow rate:	0.5 mL/min
Detection:	UV 200 nm

Description

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

Oseltamivir belongs to a class of drugs called antivirals, which are used to treat infections caused by viruses. It is used in the treatment of the infection caused by the flu virus (influenza A and influenza B) and may also be used to prevent and treat swine

influenza A. It is recommended that it be used within the first 48 hours of the infection's symptoms. It has the chemical formula $C_{16}H_{28}N_2O_4$.

Oseltamivir can be retained on a Primesep 100 column with great peak shape using an isocratic method of acetonitrile (ACN), water and sulfuric acid (H₂SO₄) as a buffer. UV Detection 200nm.

Method Parameters

Mobile Phase	MeCN/H ₂ O – 30/70%
Buffer	H ₂ SO ₄ – 0.5%
Flow Rate	0.5 ml/min
Detection	UV, 200 nm
Class of Compounds	Drug
Analyzing Compounds	Oseltamivir

HPLC Column Used

Primesep 100, 3.2 x 100 mm, 5 µm, 100 Å, dual ended

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