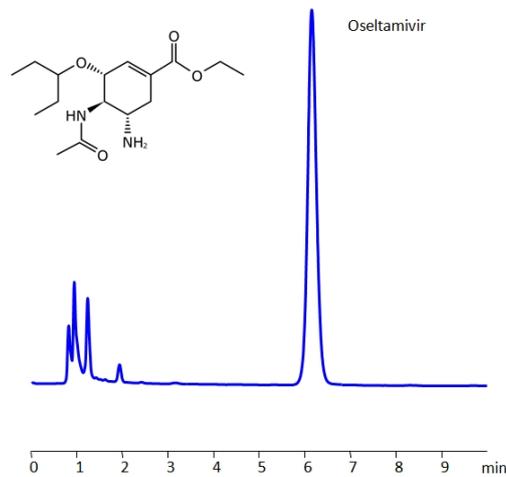


HPLC Determination of Oseltamivir on Primesep 100 Column



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

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 C₁₆H₂₈N₂O₄ .

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 200 nm.

Method Parameters

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

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