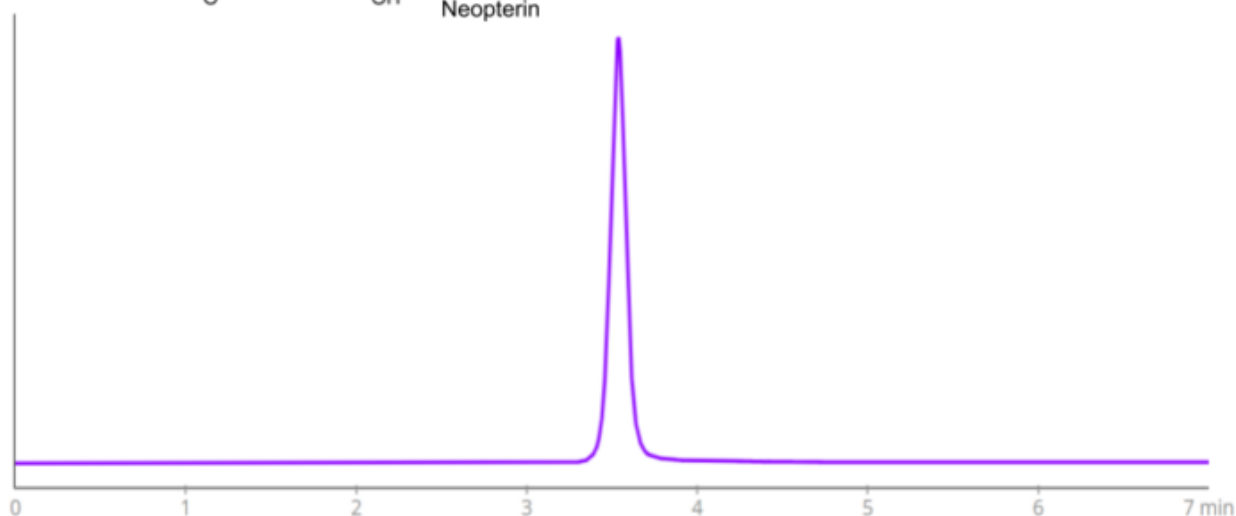
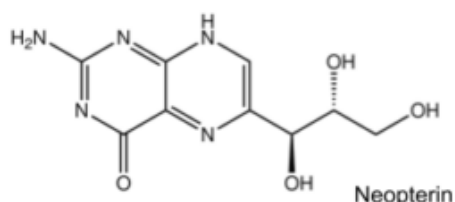


HPLC Method for Analysis of Neopterin on Primesep 100 Column on Alltesta™

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

Chromatogram

SiELC



Column	Primesep 100
Column Size	4.6 x 150 mm, 5 µm
Part Number	100-46.150.0510
Mobile Phase	MeCN/H ₂ O - 5/95%
Buffer	AmFm pH 3.0- 20 mM
Flow Rate	1.0 mL/min
Injection Volume	1 µL
Detection	UV 275 nm
Device	Alltesta™ Gradient Automated Analyzer

Description

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

Neopterin is a pteridine with the chemical formula C₉H₁₁N₅O₄. It is indicative of a pro-inflammatory immune status, therefore it typically serves as a marker of the activation of the cellular immune system.

Neopterin 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 – 5%
Buffer	Ammonium Formate
Flow Rate	1.0 mL/min
Detection	UV 275 nm
Class of Compounds	Organic Compound
Analyzing Compounds	Neopterin

HPLC Column Used

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

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