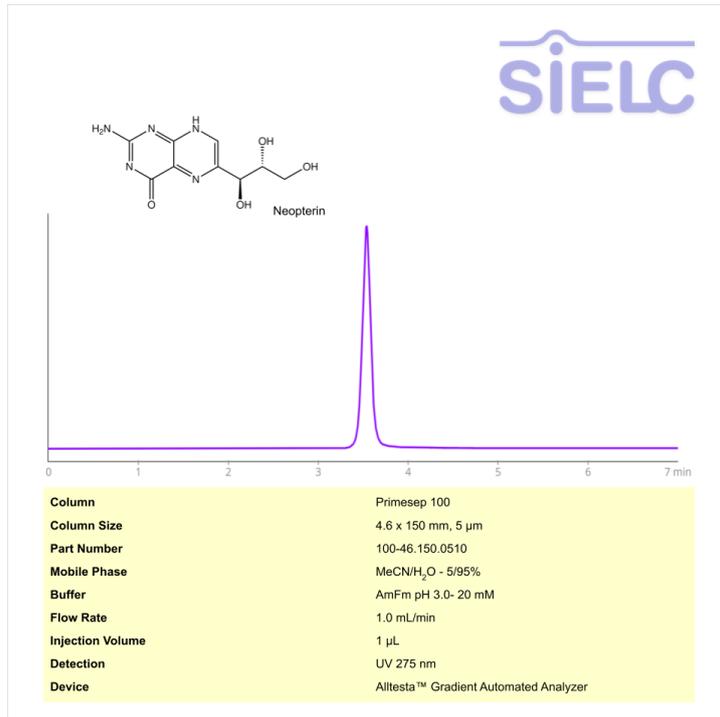


HPLC Method for Analysis of Neopterin on Primesep 100 Column on Alltesta™



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

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 5%
Buffer	Ammonium Formate
Flow Rate	1.0 mL/min
Detection	UV 275 nm

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