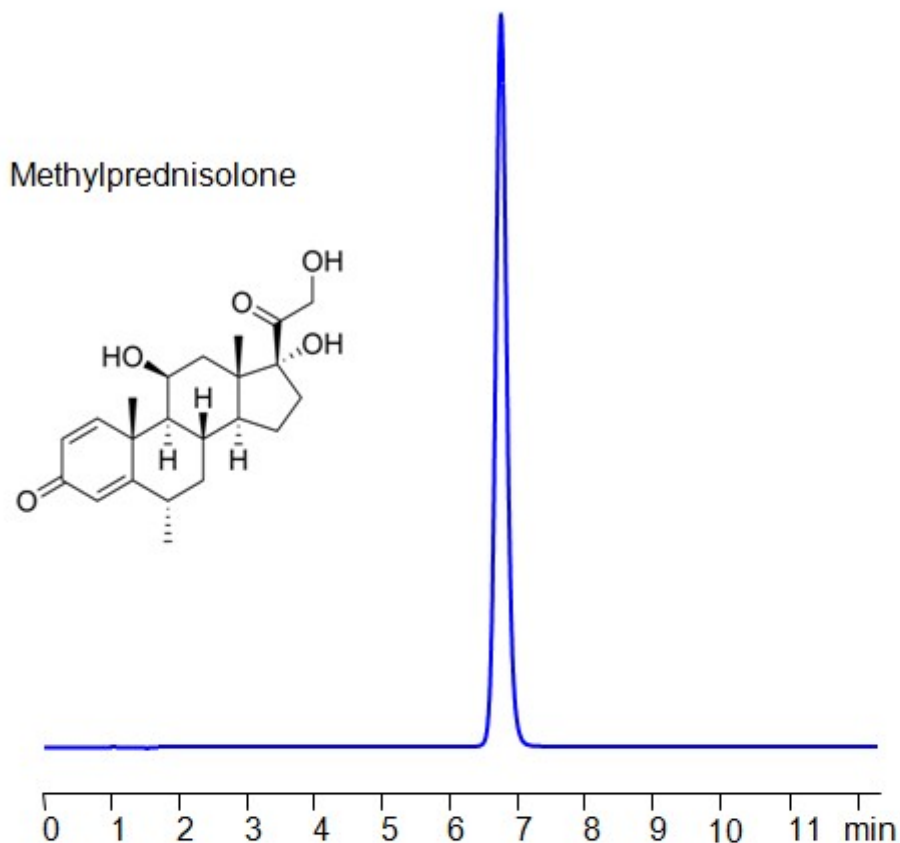


HPLC Method for Analysis of Methylprednisolone on Primesep B Column

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

Chromatogram



Column:	Primesep B
Column size:	4.6 × 150 mm, 5 µm
Column part number:	B-46.150.0510
Mobile phase:	MeCN - 35%
Buffer:	H ₂ SO ₄ - 0.1%
Flow rate:	1.0 ml/min
Detection:	UV 245 nm

Description

· HPLC Method for Analysis of Methylprednisolone on Primesep B Column by SIELC Technologies

Methylprednisolone is a more potent, synthetic, corticosteroid than prednisone with the chemical formula C₂₂H₃₀O₅. It is used in various conditions, including severe allergic reactions, inflammatory conditions, and as a part of immunosuppressive regimens. It is a derivative of prednisolone and, like prednisone, belongs to the class of glucocorticoids. You can find detailed UV spectra of Methylprednisolone and information about its various lambda maxima by visiting the following link.

Methylprednisolone can be retained, and analyzed using a Primesep B mixed-mode stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and sulfuric acid as a buffer. Detection is achieved using UV 245 nm

Method Parameters

Mobile Phase	MeCN/H ₂ O – 35%
Buffer	H ₂ SO ₄ – 0.1%
Flow Rate	1.0 ml/min
Detection	UV 245 nm
Class of Compounds	Corticosteroids
Analyzing Compounds	Methylprednisolone

HPLC Column Used

Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended

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