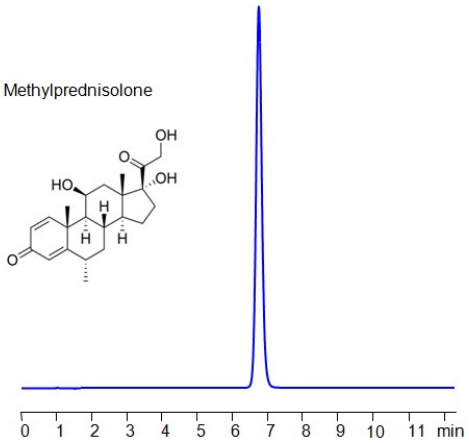
HPLC Method for Analysis of Methylprednisolone on Primesep B Column



Column:	Primesep B
Column size:	4.6 × 150 mm, 5 µm
Column part number:	B-46.150.0510
Mobile phase:	MeCN - 35%
Buffer:	H_2SO_4 - 0.1%
Flow rate:	1.0 ml/min
Detection:	UV 245 nm

Methylprednisolone is a synthetic corticosteroid with anti-inflammatory and immunosuppressive properties. It is a derivative of prednisolone and, like prednisone, belongs to the class of glucocorticoids. Methylprednisolone is used for various medical conditions to reduce inflammation and modify the immune response.

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

Column	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 35%
Buffer	H2SO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 245 nm

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

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