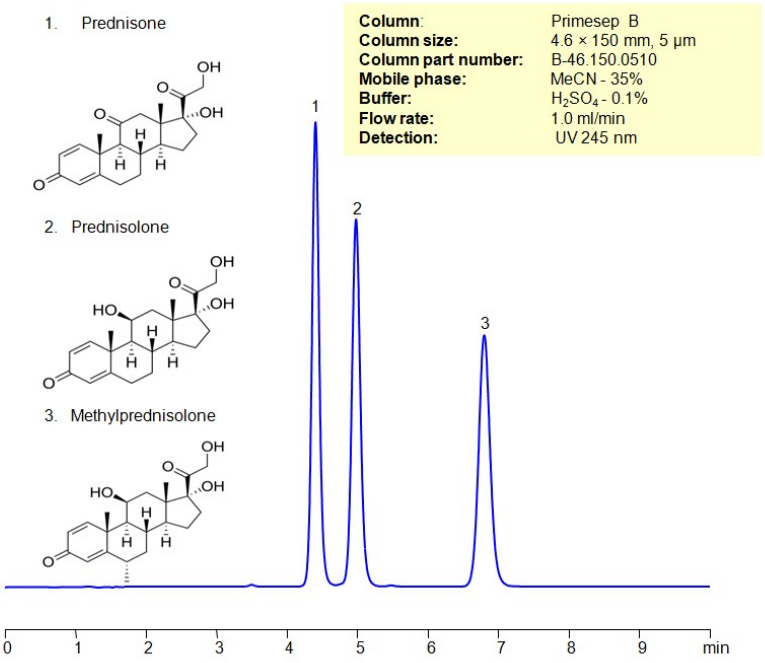
HPLC Method for Separating Corticosteroids such as Prednisone, Prednisolone and Methylprednisolone on Primesep B Column



All three compounds have potent anti-inflammatory effects, making them valuable in treating conditions where inflammation plays a role.

Corticosteroids can be retained, separated, 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 at 245 nm

Method Parameters

Column	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 35/65%
Buffer	H2SO4-0.1%
Flow Rate	1.0 mL/min
Detection	UV 245 nm

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

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