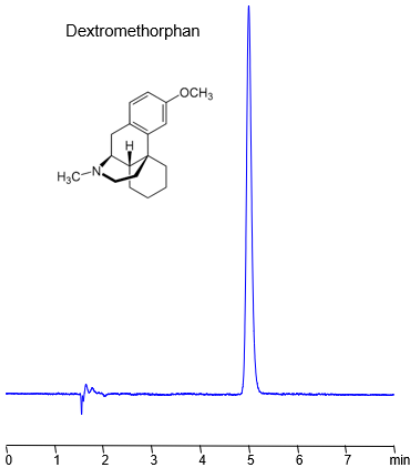
HPLC Method for Analysis of Dextromethorphan on Primesep 100 Column



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H_2O – 80/20%
Buffer:	H_2SO_4 - 0.2%
Flow rate:	1.0 mL/min
Detection:	UV 225, 280 nm

Separation type: Liquid Chromatography Mixed-mode

Dextromethorphan is a cough suppressant that works by affecting the cough reflex in the brain. It is commonly found in the over-the-counter cough and cold medicines. Dextromethorphan can be retained and analyzed on a Primesep 100 mixed-mode stationary phase column using an isocratic analytical method with a simple mobile phase of water, Acetonitrile (MeCN), and a Sulfuric acid (H2SO4) buffer. This analysis method can be detected in the low UV regime at 225 and 280 nm.

Method Parameters

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Flow Rate	1.0 mL/min
Detection	UV 225, 280 nm

Quelle: https://sielc.com/hplc-determination-of-dextromethorphan

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