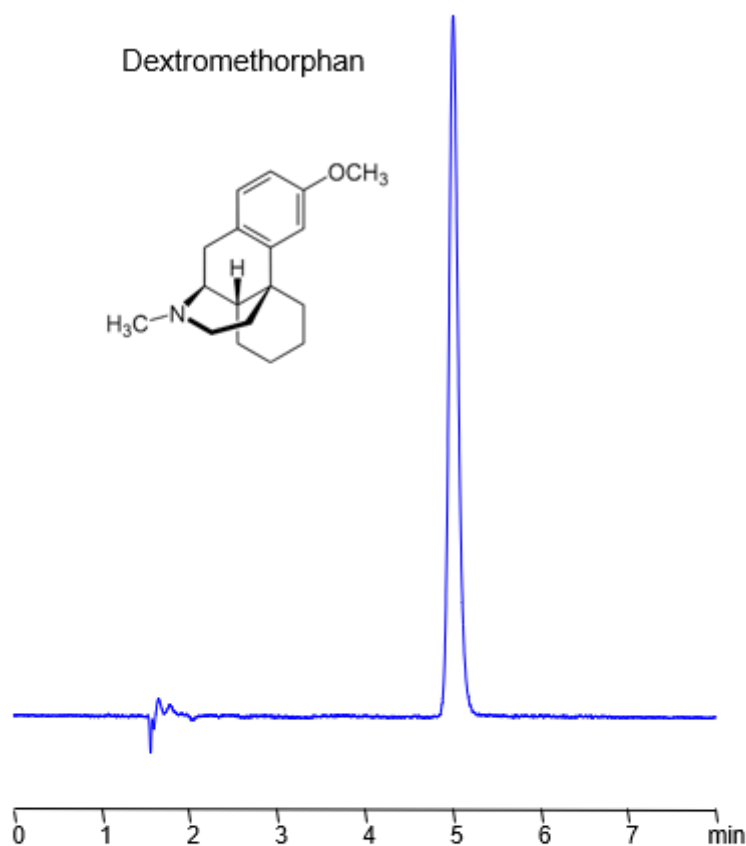


HPLC Method for Analysis of Dextromethorphan on Primesep 100 Column

<https://sielc.com/hplc-determination-of-dextromethorphan>

Chromatogram



Column:	Primesep 100
Column size:	4.6 × 150 mm, 5 µm
Column part number:	100-46.150.0510
Mobile phase:	MeCN/H ₂ O – 80/20%
Buffer:	H ₂ SO ₄ - 0.2%
Flow rate:	1.0 mL/min
Detection:	UV 225, 280 nm

Description

· Separation type: Liquid Chromatography Mixed-mode · HPLC Method for Analysis of Dextromethorphan on Primesep 100 Column by SIELC Technologies

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

Mobile Phase	MeCN/H ₂ O – 80/20%
Buffer	H ₂ SO ₄ – 0.2%
Flow Rate	1.0 ml/min
Detection	UV 225, 280 nm
Peak Retention Time	4.81 min
Class of Compounds	Drug
Analyzing Compounds	Dextromethorphan

HPLC Column Used

Primesep 100, 4.6×150 mm, 5 µm, 100A

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