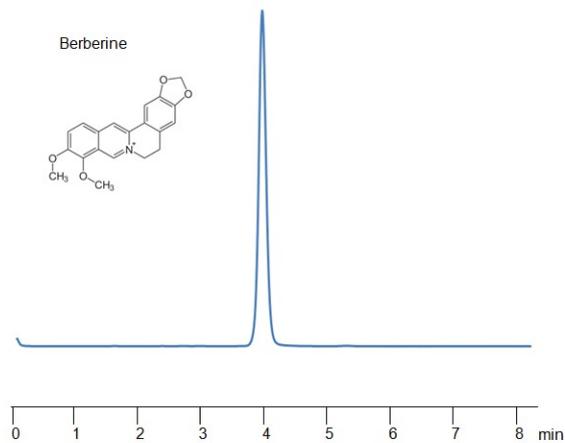


Alltesta HPLC Method for Analysis of Berberine on Primesep B



Column:	Primesep B
Column size:	3.2 × 150 mm, 5 µm
Column part number:	B-32.150.0510
Mobile phase:	MeCN/H ₂ O – 20/80%
Buffer:	H ₂ SO ₄ - 0.1%
Flow rate:	0.5 mL/min
Injection volume:	5 µl
Detection:	UV 275 nm

Berberine is a naturally occurring alkaloid found in several plants, including the roots, rhizomes, and stem bark of plants such as *Berberis* species (barberry), *Coptis chinensis* (goldthread), and *Hydrastis canadensis* (goldenseal).

Biological Activities:

Berberine 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 at 275 nm

Method Parameters

Column	Primesep B, 3.2 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 20/80%
Buffer	H ₃ PO ₄ -0.1%
Flow Rate	0.5 mL/min
Detection	UV 275 nm

Quelle: <https://sielc.com/alltesta-hplc-method-for-analysis-berberine>