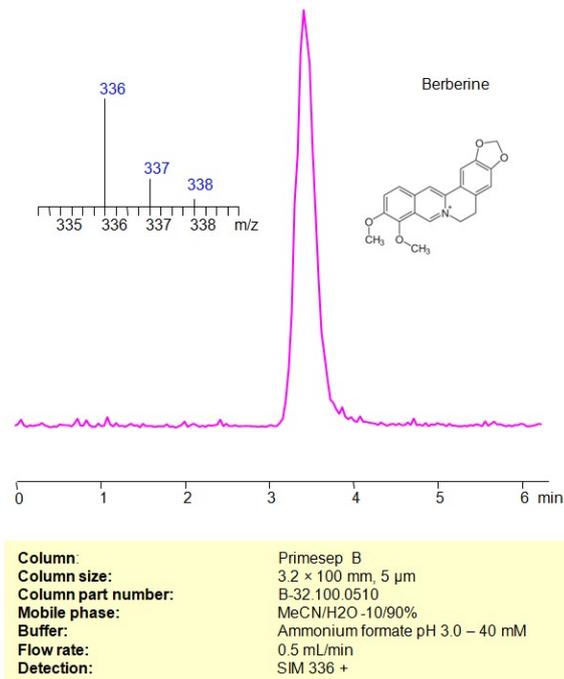


HPLC MS Method for Analysis of Berberine on Primesep B Column



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 ammonium formate as a buffer. Detection is achieved using LCMS336 + positive mode

Method Parameters

Column	Primesep B, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O – 10%
Buffer	Ammonium formate pH 3.0 – 40 mM
Flow Rate	0.5 mL/min
Detection	SIM336+
Injection Volume	1 µl

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