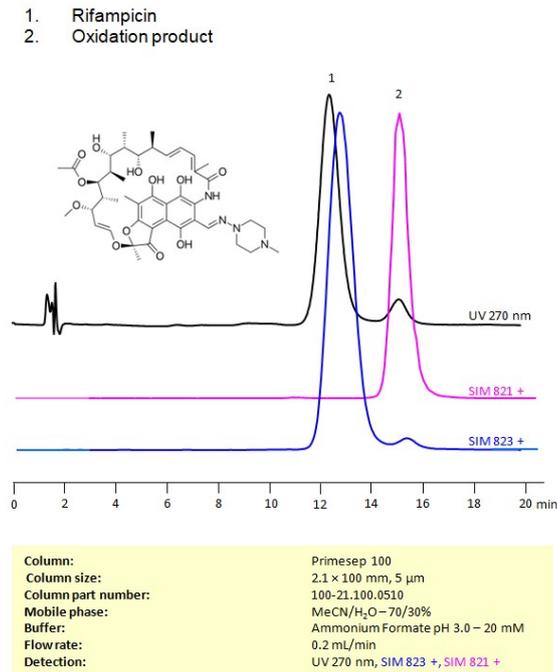


HPLC – MS Method for Analysis of Rifampicin and Oxidation product on Primesep 100 Column



Rifampicin is an important antibiotic used primarily in the treatment of tuberculosis. Let's delve into both rifampicin and its metabolite, rifampicin quinone:

Uses: It's mainly used for the treatment of tuberculosis, often in combination with other antitubercular agents. It can also be used to treat leprosy, and as prophylaxis for *Neisseria meningitidis* (meningococcal) infections.

Rifampicin can be retained, separated 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 an ammonium formate as a buffer. This analysis method can be detected using UV at 270 nm, an Evaporative Light Scattering Detector (ELSD), or any other evaporative detection method (CAD, ESI-MS)

Method Parameters

Column	Primesep 100, 2.1 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN – 70%,
Buffer	Ammonium Formate pH 3.0-20 mM
Flow Rate	0.2 mL/min
Detection	UV, 270 nm, SIM823 +, SIM821 +

Quelle: <https://sielc.com/hplc-method-for-analysis-of-rifampicin-rifampicin-quinone>