

CoreFocus
Report
No.65

LC

Reversed-phase

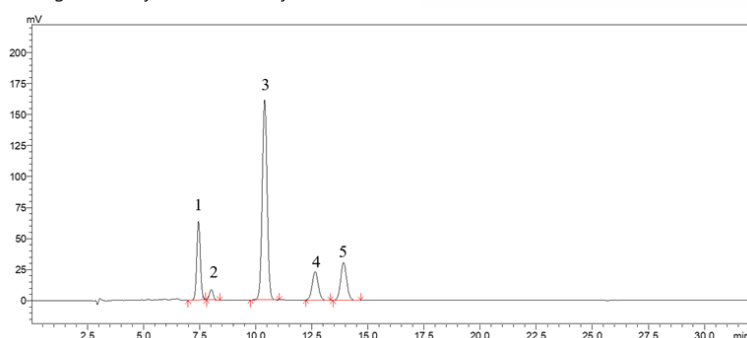
Shim-pack Series

Shim-pack™ VP-C8

Analysis of Rifampicin

Keywords: rifampin, antibiotic, rifamycin group

Chromatogram of System Suitability Solution



1. Quinoid Rifampicin
2. Impurity A
3. Rifampicin
4. N-oxide Rifampicin
5. Rifamycin SV

Pretreatment procedure

- a. Collect the appropriate amount of Rifampicin, Quinoid Rifampicin, Oxidized Rifampicin and Rifamycin SV.
- b. Add an appropriate amount of Acetonitrile (about 10 mg plus 1 mL Acetonitrile) to dissolve.
- c. Use Acetonitrile-water (1:1) Dilute to prepare a mixed solution containing about 0.04 mg/mL.

Column	: Shim-pack VP-C8 (250 mm x 4.6 mm I.D., 5 µm), P/N : 228-59927-92
Mobile phase	: Methanol : Acetonitrile : 0.075 mol/L Potassium dihydrogen phosphate : 1.0 mol/L Citric Acid = 30 : 30 : 36 : 4
Flow rate	: 1.0 mL/min
Column temp.	: 40°C
Injection vol.	: 10 µL
Vial	: LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01
Detection	: UV at 254 nm

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