

CoreFocus Report

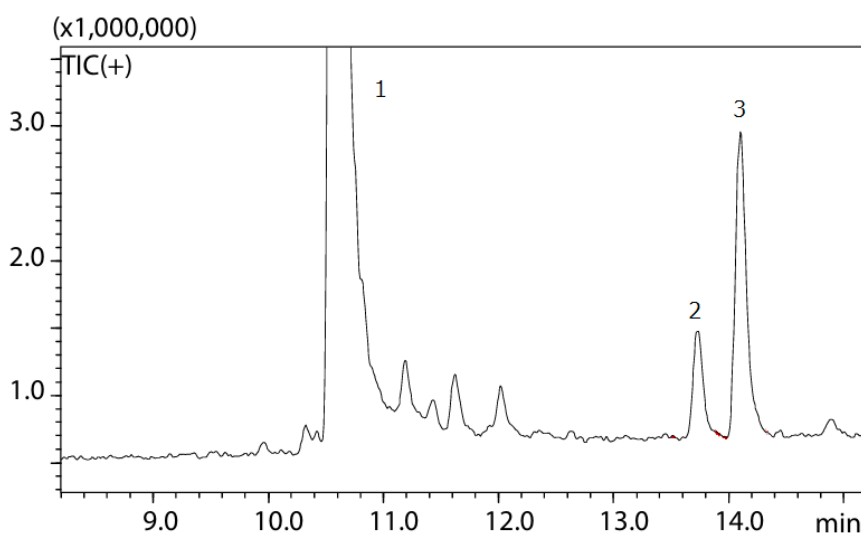
No.571

LC-MS Reversed-phase Shim-pack™ Series

Shim-pack XR-ODS

Analysis of Impurities in Atorvastatin

Keywords: Atorvastatin, pharmaceuticals



1. Atorvastatin
2. Impurity 1
3. Impurity 2

[HPLC conditions] (Nexera™ XR)

Column	: Shim-pack XR-ODS, 50 mm x 2.0 mm I.D., 2.2 μm ¹
Mobile Phases	: A: 10 mmol/L Ammonium acetate aq. B: Acetonitrile
Flow rate	: 0.3 mL/min
Gradient	: B. Conc 10 % (0-2 min) → 30 % (4-6 min) → 100 % (20 min)
Column Temperature	: 40 °C
Injection vol.	: 1 μL
Detection	: PDA 190-800 nm

1*: P/N: 228-41605-92

[MS conditions] (LCMS-2050)

Ionization	: ESI/APCI (positive mode)
Mode	: SCAN(<i>m/z</i> 100-1000)
Nebulizing gas flow	: 2.0 L/min
Drying gas flow	: 5.0 L/min
Heating gas flow	: 7.0 L/min
DL temperature	: 200 °C
Desolvation temperature	: 450 °C
Interface voltage	: 3.0 kV
Qarray voltage	: 20/120 V

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