

CoreFocus
Report
No.68

LC

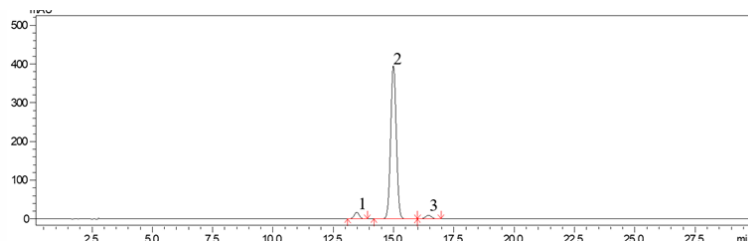
Reversed-phase

Shim-pack Series

Shim-pack™ GIST C18
Analysis of Levofloxacin

Keywords: LVFX, CPFX, Antibiotic, Fluoroquinolone

Chromatogram of Standard Mix



1. Impurity E
2. Levofloxacin
3. Ciprofloxacin

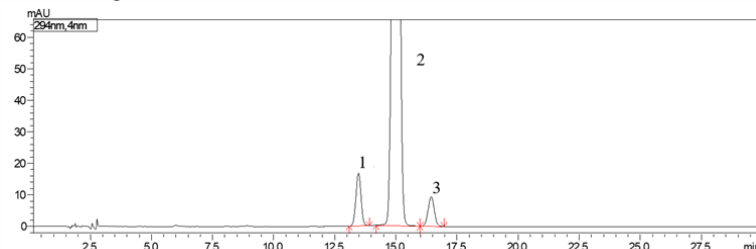
Standard Mix

Levofloxacin (0.1 g/mL in 0.1 mol/L HCl)

Ciprofloxacin (5 µg/mL in 0.1 mol/L HCl)

Impurity E (5 µg/mL in 0.1 mol/L HCl)

Enlarged chromatogram of Standard Mix



| | |
|----------------|--|
| Column | : Shim-pack GIST C18 (150 mm x 4.6 mm I.D., 3 µm) P/N: 227-30011-07 |
| Mobile phase | : A) 4.0 g ammonium acetate + 7.0 g Sodium Perchlorate acid + 1300 mL Water containing Phosphoric acid (pH 2.2) B) Acetonitrile A : B = 85 : 15 |
| Flow rate | : 0.8 mL/min |
| Column temp. | : 40°C |
| Injection vol. | : 10 µL |
| Vial | : LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01 |
| Detection | : UV at 294 nm |

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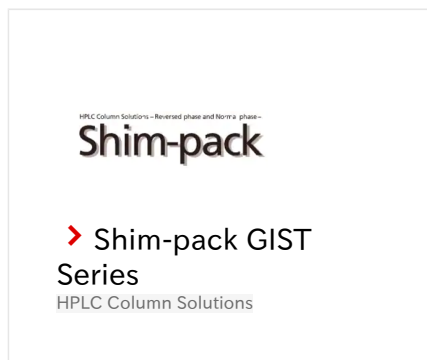
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