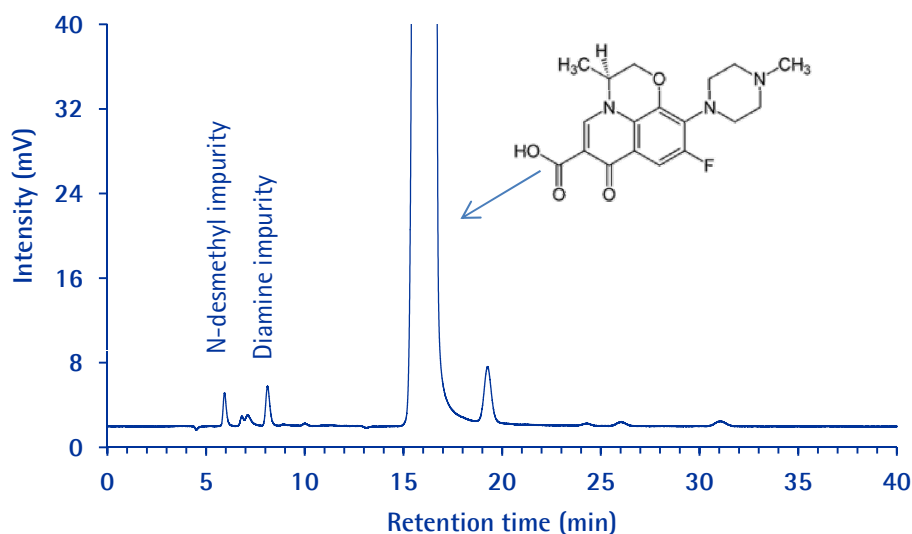


Levofloxacin and Related Substances

Purospher® STAR RP-18 endcapped

Chromatographic Conditions

Column: Purospher® STAR RP-18 endcapped (5µm) Hibar® RT 250x4.6 mm 1.51456.0001
Injection: 25 µL
Detection: UV 360 nm
Cell: 10 µL
Flow Rate: 0.8 mL/min
Mobile Phase: 8.5 g ammonium acetate, 1.25 g cupric sulphate pentahydrate, .3 g of L-isoleucine in 1000 mL water. Mix buffer and Methanol 7:3 (v/v)
Temperature: 45° C
Sample: Weigh 10 mg substance and dissolve in mobile phase. Dilute the same to 10 ml with same solvent.
Pressure Drop: 112 Bar(1624 psi)



Chromatographic Data :

| No. | Compound | Retention Time (min) | Asymmetry | Relative Retention Time (RRT) |
|-----|----------------------|----------------------|-----------|-------------------------------|
| 1 | N-desmethyl impurity | 5.9 | 1.4 | 0.4 |
| 2 | Diamine impurity | 8.1 | 1.3 | 0.5 |
| 3 | Levofloxacin | 16.5 | 0.6 | 1.0 |
| 4 | D-isomer | 19.3 | 1.1 | 1.2 |