

Levofloxacin

Catalog No: tcsc2218



Available Sizes

Size: 100mg

Size: 5g



Specifications

CAS No:

100986-85-4

Formula:

$C_{18}H_{20}FN_3O_4$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : 10 mg/mL (27.67 mM; Need ultrasonic); H₂O : 50 mg/mL (138.36 mM; Need ultrasonic)

Alternative Names:

(-)-Ofloxacin

Observed Molecular Weight:

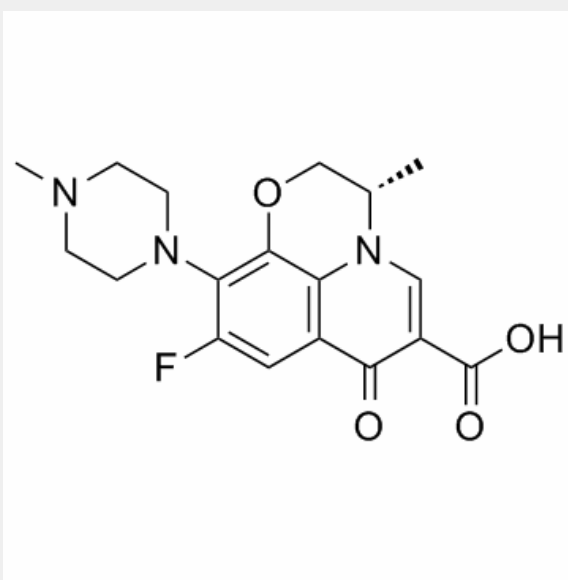
361.37

Product Description

Levofloxacin, a synthetic fluoroquinolone, is an antibacterial agent that inhibits the supercoiling activity of bacterial DNA gyrase, halting DNA replication.

Target: Antibacterial

Levofloxacin reduced bacterial load compared with placebo by 4.9-fold (95% confidence interval, 1.4-25.7; P=0.02) at day 7 but had no effect at any point on any marker of neutrophilic airway inflammation. In patients with a baseline bacterial load of more than 10(6) cfu/mL, levofloxacin treatment was associated with a 26.5% (95% confidence interval, 1.8%-51.3%; P=0.04) greater reduction in the percentage neutrophil count compared with placebo at day 7 [1]. Levofloxacin was found to significantly improve the clinical and microbiological parameters in CP individuals [2]. A 30-day course of levofloxacin does not significantly improve BK viral load reduction or allograft function when used in addition to overall reduction of immunosuppression [3].



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