

Sparfloxacin

Catalog No: tcsc2347



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

110871-86-8

Formula:

$C_{19}H_{22}F_2N_4O_3$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

CI-978;AT-4140

Observed Molecular Weight:

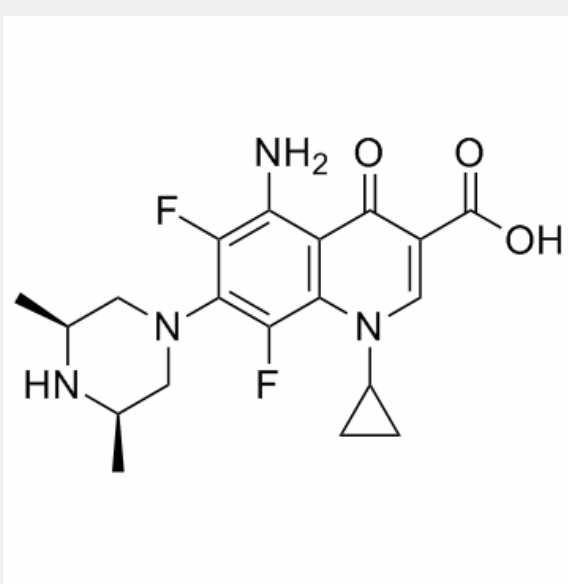
392.4

Product Description

Sparfloxacin is a fluoroquinolone antibiotic, shows broad and potent antibacterial activity.

Target: Antibacterial

Sparfloxacin shows broad and potent antibacterial activity. Its MICs for 90% of the strains tested are 0.1 to 0.78 µg/ml against gram-positive organisms, such as members of the genera *Staphylococcus*, *Streptococcus* and *Enterococcus*, and 0.0125 to 1.56 µg/ml against gram-negative organisms, such as members of the family Enterobacteriaceae and the genera *Pseudomona*. Its MICs are 0.025 to 0.78 µg/ml against glucose nonfermenters, 0.2 to 0.78 µg/ml against anaerobes, 0.0125 to 0.05 µg/ml against *Legionella*. Sparfloxacin showed good oral efficacy against systemic infections with *Staphylococcus aureus*, *Streptococcus pyogenes*, *Streptococcus pneumoniae*, *Escherichia coli*, and *Pseudomonas aeruginosa* in mice [1]. Sparfloxacin targets DNA gyrase and inhibits DNA synthesis [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!