

Pazufloxacin

Catalog No: tcsc2978



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

127045-41-4

Formula:

$C_{16}H_{15}FN_2O_4$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

T3761

Observed Molecular Weight:

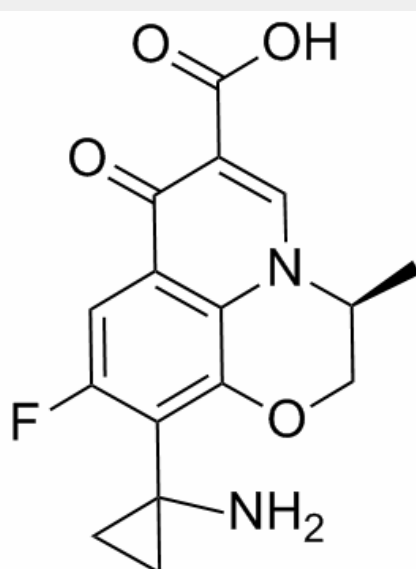
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Product Description

Pazufloxacin (T-3761) is a fluoroquinolone antibiotic.

Target: Antibacterial

Pazufloxacin (T-3761), a new quinolone derivative, showed broad and potent antibacterial activity. T-3761 showed good efficacy in mice against systemic, pulmonary, and urinary tract infections with gram-positive and gram-negative bacteria, including quinolone-resistant *Serratia marcescens* and *Pseudomonas aeruginosa*. The in vivo activity of T-3761 was comparable to or greater than those of ofloxacin, ciprofloxacin, norfloxacin, and tosufloxacin against most infection models in mice. The activities of T-3761 were lower than those of tosufloxacin against gram-positive bacterial systemic and pulmonary infections in mice but not against infections with methicillin-resistant *Staphylococcus aureus* [1]. T-3761 had a broad spectrum of activity and had potent activity against gram-positive and -negative bacteria. The MICs of T-3761 against 90% of the methicillin-susceptible *Staphylococcus aureus*, methicillin-susceptible and -resistant *Staphylococcus epidermidis*, and *Clostridium* spp. tested were 0.39 to 6.25 micrograms/ml. The MBCs of T-3761 were either equal to or twofold greater than the MICs. The 50% inhibitory concentrations of T-3761 for DNA gyrases isolated from *E. coli* and *P. aeruginosa* were 0.88 and 1.9 micrograms/ml, respectively [2].



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