

Danofloxacin (mesylate)

Catalog No: tcsc2695



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

119478-55-6

Formula:

$C_{20}H_{24}FN_3O_6S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : 4.6 mg/mL (10.14 mM; Need ultrasonic and warming)

Alternative Names:

CP 76136-27

Observed Molecular Weight:

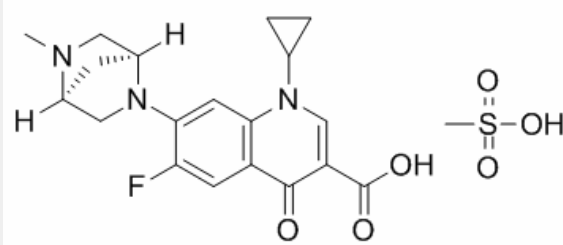
453.48

Product Description

Danofloxacin Mesylate(CP76136-27 mesylate) is a fluoroquinolone antibacterial for veterinary use.

Target: Antibacterial

Danofloxacin is a synthetic antibacterial agent of the fluoroquinolone class, acts principally by the inhibition of bacterial DNA-gyrase, which is necessary for supercoiling of DNA to provide a suitable spatial arrangement of DNA within the bacterial cell. The minimum inhibitory concentration of danofloxacin against 90% (MIC90) of contemporary European and North American field isolates of *Pasteurella haemolytica*, *Pasteurella multocida* and *Haemophilus somnus*, the most important bacterial respiratory pathogens of cattle, is 0.125 µg/ml [1]. Danofloxacin shows protective dose (PD50) of 0.38, 0.8, 2.42 mg/kg for *P. multocida*, *E. coli* and *S. choleraesuis* in in vivo mouse protection assay [2].



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