

Product Name : Gatifloxacin mesylate

Synonyms : AM 1155 mesylate; BMS 206584-01 mesylate; PD 135432 mesylate

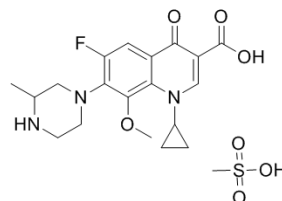
Cat No. : M14034

CAS Number : 316819-28-0

Molecular Formula : C₂₀H₂₆FN₃O₇S

Formula Weight : 471.50

Chemical Name : 3-Quinolonecarboxylic acid, 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-7-(3-methyl-1-piperazinyl)-4-oxo-, methanesulfonate(1:1)



Description : A fourth-generation fluoroquinolone antibiotic that inhibits the bacterial DNA gyrase and topoisomerase IV; displays 2- to 16-fold more active than ciprofloxacin and ofloxacin against *Staphylococcus aureus* with MICs of 0.1-0.78 ug/mL.

Pathway : GPCR/G Protein

Target : Antibacterial

Receptor : Antibacterial

Solubility : 10 mM in DMSO

SMILES : CC1CN(CCN1)C2=C(C=C3C(=C2OC)N(C=C(C3=O)C(=O)O)C4CC4)F.CS(=O)(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Hosaka M, et al. Antimicrob Agents Chemother. 1992 Oct;36(10):2108-17. | 2. Tomioka H, et al. Antimicrob Agents Chemother. 1993 Jun;37(6):1259-63. | 3. Wakabayashi E, et al. Antimicrob Agents Chemother. 1994 Mar;38(3):594-601.