

Product Name	: Gatifloxacin
Synonyms	: AM 1155;BMS 206584-01;PD 135432;AM1155;BMS206584-01
Cat No.	: M10449
CAS Number	: 112811-59-3
Molecular Formula	: C ₁₉ H ₂₂ FN ₃ O ₄
Formula Weight	: 375.39
Chemical Name	: 3-Quinolinecarboxylic acid, 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methoxy-7-(3-methyl-1-piperazinyl)-4-oxo-
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	: TopoIV
Solubility	: 10 mM in DMSO
SMILES	: <chem>COC1=C2N(C=C(C(O)=O)C(=O)C2=CC(F)=C1N1CCNC(C)C1)C1CC1</chem>
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.

