
Levofloxacin hydrochloride

产品编号: D54487

CAS: 177325-13-2

分子式: C₁₈H₂₁ClFN₃O₄

纯度: 98%

InChi Key: InChIKey=CAOOISJXWZMLBN-PPHPATTJSA-N

Smiles: O=C1C=2C3=C(C(=C(F)C2)N4CCN(C)CC4)OC[C@H](C)N3C=C1C(O)=O.Cl

外观: 固体粉末

作用通路: DNA Damage/DNA Repair

作用靶点: DNA gyrase; Topoisomerase

溶解性: DMSO:5 mM; H₂O: 100 mg/mL (251.38 mM)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Levofloxacin is a broad-spectrum, third-generation fluoroquinolone antibiotic and optically active L-isomer of ofloxacin with antibacterial activity. Levofloxacin diffuses through the bacterial cell wall and acts by inhibiting DNA gyrase (bacterial topoisomerase II), an enzyme required for DNA replication, RNA transcription, and repair of bacterial DNA. Inhibition of DNA gyrase activity leads to blockage of bacterial cell growth.