

Product Datasheet

Levofloxacin hydrochloride (orb1298666)

Catalog Number	orb1298666
Category	Small Molecules
Description	Levofloxacin is the active L-isomer of ofloxacin, a fluoroquinolone antibiotic that inhibits bacterial DNA gyrase (topoisomerase II) to block DNA replication. It is widely used in research for studying bacterial infections, antimicrobial resistance mechanisms, and efficacy in both in vitro assays and in vivo animal models.
Target	Topoisomerase,Virus Protease,Antibiotic,DNA gyrase,Antibacterial,DNA/RNA Synthesis
Purity	≥98% (May vary between batches)
MW	397.8
Target Areas	DNA/RNA Synthesis Antibiotic Antibacterial DNA gyrase Virus Protease Topoisomerase
Solubility (25°C)	DMSO:7.14 mg/mL (17.95 mM);H2O:100 mg/mL (251.38 mM)
CAS Number	177325-13-2
Formula	C ₁₈ H ₂₁ ClFN ₃ O ₄
SMILES	Cl.C[C@H]1COC2c(N3CCN(C)CC3)c(F)cc3c2n1cc(C(O)=O)c3=O
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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