

Product Datasheet

Moxifloxacin hydrochloride (orb1310715)

Catalog Number	orb1310715
Category	Small Molecules
Description	Moxifloxacin hydrochloride is a fourth-generation fluoroquinolone antibiotic with enhanced activity against Gram-positive and atypical pathogens. It is widely used in research for in vitro susceptibility testing and in vivo infection model studies. Its use has been associated with transient ALT elevations and rare cases of clinically apparent liver injury.
Target	Antibiotic,Topoisomerase,Antibacterial
Purity	98.88% (May vary between batches)
MW	437.89
Target Areas	Antibiotic Antibacterial Topoisomerase
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:3.3 mg/mL (7.54 mM);Ethanol: 1 mg/mL (insoluble or slightly soluble);DMSO:88 mg/mL (200.96 mM);H2O:15 mg/mL (34.26 mM)
CAS Number	186826-86-8
Formula	C ₂₁ H ₂₅ ClFN ₃ O ₄
SMILES	O(C)C1=C2N(C=C(C(O)=O)C(=O)C2=CC(F)=C1N3C[C@]4([C@@](C3)(NCCC4)[H])[H])C5CC5.Cl
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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