

Product Datasheet

Levofloxacin hydrochloride (b) (orb1226402)

Catalog Number	orb1226402
Category	Small Molecules
Description	Levofloxacin hydrate is an antibacterial agent that inhibits the supercoiling activity of bacterial DNA gyrase, halting DNA replication.
Target	DNA gyrase
Purity	>98% (HPLC)
MW	370.38
Target Areas	DNA gyrase Topo III Topo IV
Solubility (25°C)	MEthanol: 10 mM
CAS Number	138199-71-0
Formula	$C_{18}H_{20}FN_3O_4 \cdot 1/2H_2O$
SMILES	<chem>O=C(C1=CN2C3=C(C=C(F)C(N4CCN(C)CC4)=C3OC[C@@H]2C)C1=O)O.[H]O[H].O=C(C5=CN6C7=C(C=C(F)C(N8CCN(C)CC8)=C7OC[C@@H]6C)C5=O)O</chem>
Chemical Name	(S)-9-Fluoro-3-methyl-10-(4-methylpiperazin-1-yl)-7-oxo-2,3-dihydro-7H-[1,4]oxazino[2,3,4-ij]quinoline-6-carboxylic acid hemihydrate
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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