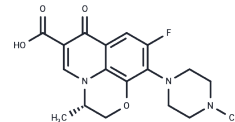
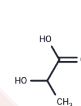


Lavofloxacin lactate

Chemical Properties

CAS No. :	294662-18-3
Formula:	C ₂₁ H ₂₆ FN ₃ O ₇
Molecular Weight:	451.45
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lavofloxacin lactate ((-)-Ofloxacin lactate) is a broad-spectrum antibacterial agent effective against various bacteria, either by killing them or inhibiting their growth. It binds to DNA rotase (DNA gyrase) and topoisomerase IV, thereby obstructing DNA replication and repair, which hinders bacterial proliferation. Lavofloxacin lactate is useful for studying bacterial resistance mechanisms, including research on resistance genes and mutations.
Targets(IC50)	Antibacterial,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2151 mL	11.0754 mL	22.1508 mL
5 mM	0.443 mL	2.2151 mL	4.4302 mL
10 mM	0.2215 mL	1.1075 mL	2.2151 mL
50 mM	0.0443 mL	0.2215 mL	0.443 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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