

DC-159a

Chemical Properties

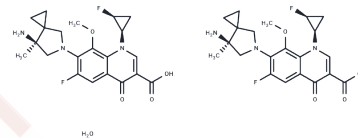
CAS No. : 931411-93-7

Formula: C₂₁H₂₃F₂N₃O₄ · 0.5H₂O

Molecular Weight: 428.4295

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	DC-159a, an 8-methoxy fluoroquinolone, possesses broad-spectrum antibacterial activity, with a particular efficacy against Gram-positive pathogens. The MIC ₉₀ values for DC-159a are 0.5 µg/mL against Streptococcus anginosus group, 4 µg/mL against Clostridium difficile, and 2 µg/mL against Bacteroides fragilis.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3341 mL	11.6705 mL	23.341 mL
5 mM	0.4668 mL	2.3341 mL	4.6682 mL
10 mM	0.2334 mL	1.1671 mL	2.3341 mL
50 mM	0.0467 mL	0.2334 mL	0.4668 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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