

MA220607

Chemical Properties

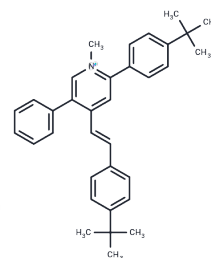
CAS No. : 2922826-56-8

Formula: C34H38IN

Molecular Weight: 587.58

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	MA220607 is an antibacterial agent characterized by low hemolytic toxicity and a dual-target mechanism of action (MOA). It promotes FtsZ protein polymerization, increases bacterial membrane permeability, and inhibits biofilm formation. The resistance rate of MA220607 is low, with MICs against Gram-positive bacteria and Gram-negative bacteria ranging from 0.062-2 µg/mL and 0.5-4 µg/mL, respectively [1].
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7019 mL	8.5095 mL	17.019 mL
5 mM	0.3404 mL	1.7019 mL	3.4038 mL
10 mM	0.1702 mL	0.8509 mL	1.7019 mL
50 mM	0.034 mL	0.1702 mL	0.3404 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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