

FtsZ-IN-6

Chemical Properties

CAS No. :

Formula: C₂₈H₂₂BrN₃O₂

Molecular Weight: 512.4

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	FtsZ-IN-6 is a potent inhibitor of FtsZ, enhancing its polymerization while inhibiting its GTPase activity, thereby obstructing bacterial cell division and causing bacterial cell death. This compound exhibits bactericidal properties without significant induction of bacterial resistance and demonstrates rapid bactericidal effects. Moreover, FtsZ-IN-6 has low hemolytic activity and cytotoxicity towards mammalian cells [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9516 mL	9.758 mL	19.516 mL
5 mM	0.3903 mL	1.9516 mL	3.9032 mL
10 mM	0.1952 mL	0.9758 mL	1.9516 mL
50 mM	0.039 mL	0.1952 mL	0.3903 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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