

FtsZ-IN-7

Chemical Properties

CAS No. :

Formula: C₂₆H₁₈BrN₃O₃

Molecular Weight: 500.34

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-7 is a potent inhibitor of FtsZ, promoting FtsZ polymerization while inhibiting its GTPase activity, which disrupts bacterial cell division and leads to bacterial cell death. It shows bactericidal effects without significant bacterial resistance, exhibits rapid antibacterial action, and has minimal hemolytic activity and cytotoxicity towards mammalian cells [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9986 mL	9.9932 mL	19.9864 mL
5 mM	0.3997 mL	1.9986 mL	3.9973 mL
10 mM	0.1999 mL	0.9993 mL	1.9986 mL
50 mM	0.040 mL	0.1999 mL	0.3997 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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