

FtsZ-IN-8

Chemical Properties

CAS No. :

Formula: C₂₇H₂₈BrN₃O₂

Molecular Weight: 506.43

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-8, a potent inhibitor of FtsZ, both promotes FtsZ polymerization and inhibits its GTPase activity, leading to the inhibition of bacterial division and subsequent bacterial cell death. This compound exhibits bactericidal activity without significant induction of bacterial resistance and possesses rapid bactericidal properties. Additionally, FtsZ-IN-8 demonstrates low hemolytic activity and cytotoxicity towards mammalian cells [1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9746 mL	9.873 mL	19.7461 mL
5 mM	0.3949 mL	1.9746 mL	3.9492 mL
10 mM	0.1975 mL	0.9873 mL	1.9746 mL
50 mM	0.0395 mL	0.1975 mL	0.3949 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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