

FtsZ-IN-5

## Chemical Properties

CAS No. :

Formula: C<sub>26</sub>H<sub>18</sub>BrN<sub>3</sub>O<sub>2</sub>

Molecular Weight: 484.34

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-5 is a potent inhibitor of FtsZ, promoting polymerization while inhibiting its GTPase activity, preventing bacterial division and leading to cell death. It exhibits bactericidal activity without significant induction of bacterial resistance and rapid bactericidal effectiveness. FtsZ-IN-5 also demonstrates low hemolytic activity and minimal cytotoxicity towards mammalian cells [1].
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0647 mL	10.3233 mL	20.6467 mL
5 mM	0.4129 mL	2.0647 mL	4.1293 mL
10 mM	0.2065 mL	1.0323 mL	2.0647 mL
50 mM	0.0413 mL	0.2065 mL	0.4129 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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