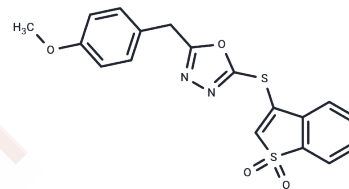


FtsZ-IN-13

Chemical Properties

CAS No. : 914357-88-3
 Formula: C₁₈H₁₄N₂O₄S₂
 Molecular Weight: 386.445
 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-13 (Compound C11) functions as an inhibitor of the temperature-sensitive mutant Z (FtsZ), exhibiting IC ₅₀ values of 47.97 μM for FtsZSa and 34 μM for FtsZPa. It demonstrates notable antibacterial activity against Staphylococcus aureus (with a minimum inhibitory concentration of 2 μg/mL), cystic fibrosis Staphylococcus aureus clinical isolates, and methicillin-resistant Staphylococcus aureus (MRSA). FtsZ-IN-13 is applicable in research on antibiotic resistance.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5877 mL	12.9383 mL	25.8766 mL
5 mM	0.5175 mL	2.5877 mL	5.1753 mL
10 mM	0.2588 mL	1.2938 mL	2.5877 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481