

DHFR-IN-8

Chemical Properties

CAS No. :

Formula: C₁₈H₁₄N₆S

Molecular Weight: 346.41

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	DHFR-IN-8 (compound 6r), a dihydrofolate reductase (DHFR) inhibitor, disrupts purine and thymidylate biosynthesis critical for cell proliferation and growth. This compound effectively suppresses methicillin-resistant Staphylococcus aureus (MRSA) ATCC 43300 with an IC ₅₀ of 15.6 ng/mL in mouse models of systemic and thigh infections [1].
Targets(IC ₅₀)	Others,Antibacterial,DHFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8868 mL	14.4338 mL	28.8675 mL
5 mM	0.5774 mL	2.8868 mL	5.7735 mL
10 mM	0.2887 mL	1.4434 mL	2.8868 mL
50 mM	0.0577 mL	0.2887 mL	0.5774 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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