

DHFR-IN-5

Chemical Properties

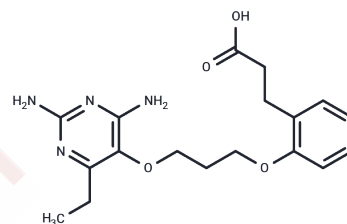
CAS No. : 1142407-81-5

Formula: C₁₈H₂₄N₄O₄

Molecular Weight: 360.41

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-5, an orally active and potent inhibitor of dihydrofolate reductase (DHFR), exhibits a K_i value of 0.54 nM against the quadruple mutant <i>Plasmodium falciparum</i> DHFR, demonstrating anti-malarial activity.
Targets(IC50)	Others,DHFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7746 mL	13.8731 mL	27.7462 mL
5 mM	0.5549 mL	2.7746 mL	5.5492 mL
10 mM	0.2775 mL	1.3873 mL	2.7746 mL
50 mM	0.0555 mL	0.2775 mL	0.5549 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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