

MtTMPK-IN-4

Chemical Properties

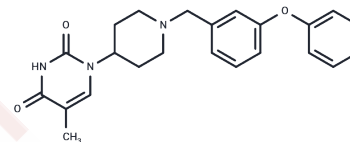
CAS No. : 2225889-49-4

Formula: C₂₃H₂₅N₃O₃

Molecular Weight: 391.46

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	MtTMPK-IN-4 (compound 2), a para-piperidine, is a highly potent inhibitor of thymidylate kinase (MtTMPK) in Mycobacterium tuberculosis with an IC ₅₀ value of 6.1 μM, and exhibits remarkable tyrosinase inhibitory activity and potent antibacterial properties [1] [2].
Targets(IC ₅₀)	Others,Antibacterial,Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5545 mL	12.7727 mL	25.5454 mL
5 mM	0.5109 mL	2.5545 mL	5.1091 mL
10 mM	0.2555 mL	1.2773 mL	2.5545 mL
50 mM	0.0511 mL	0.2555 mL	0.5109 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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