

## MtTMPK-IN-3

## Chemical Properties

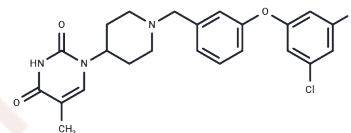
CAS No. : 2799607-80-8

Formula: C<sub>23</sub>H<sub>23</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 460.35

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-3 (compound 25) is a potent inhibitor of Mycobacterium tuberculosis thymidylate kinase (MtTMPK) with an IC <sub>50</sub> value of 0.12 μM. It also exhibits inhibitory activity against Mtb H37Rv with a MIC of 12.5 μM and shows cytotoxicity in MRC-5 human fibroblast cells (EC <sub>50</sub> = 12.5 μM). This compound is useful for tuberculosis research [1].
Targets(IC <sub>50</sub> )	Others,Antibacterial,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1723 mL	10.8613 mL	21.7226 mL
5 mM	0.4345 mL	2.1723 mL	4.3445 mL
10 mM	0.2172 mL	1.0861 mL	2.1723 mL
50 mM	0.0434 mL	0.2172 mL	0.4345 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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