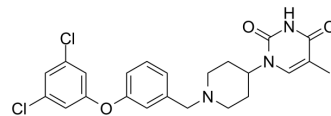


## MtTMPK-IN-3

Cat. No.:	HY-144665
Molecular 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
Target:	Bacterial; Thymidylate Synthase
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	MtTMPK-IN-3 (compound 25) is a potent <i>Mycobacterium tuberculosis</i> thymidylate kinase (MtTMPK) inhibitor with an IC <sub>50</sub> value of 0.12 μM. MtTMPK-IN-3 has inhibitory activity against Mtb H37Rv (MIC = 12.5 μM). MtTMPK-IN-3 exhibits certain cytotoxicity in human fibroblast cells MRC-5 (EC <sub>50</sub> = 12.5 μM). MtTMPK-IN-3 can be used for researching tuberculosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 0.12 μM (MtbTMPK) <sup>[1]</sup>

### REFERENCES

[1]. Song L, et al. Structure-aided optimization of non-nucleoside M. tuberculosis thymidylate kinase inhibitors. Eur J Med Chem. 2021;225:113784.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA