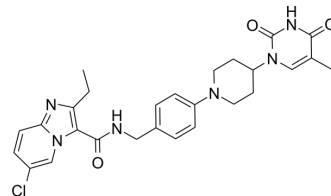


## MtTMPK-IN-7

Cat. No.:	HY-146701
Molecular Formula:	C <sub>27</sub> H <sub>29</sub> ClN <sub>6</sub> O <sub>3</sub>
Molecular Weight:	521.01
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-7 (compound 26) is a moderate <i>M. tuberculosis</i> thymidylate kinase ( <i>Mtb</i> TMPK) inhibitor with an IC <sub>50</sub> value of 47 μM. MtTMPK-IN-7 has sub-micromolar activity against mycobacteria (MICs = 2.3~4.7 μM) without significant cytotoxicity. MtTMPK-IN-7 can be used for researching tuberculosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 47 μM ( <i>Mtb</i> TMPK) <sup>[1]</sup>

### REFERENCES

[1]. Jian Y, et al. Endeavors towards transformation of *M. tuberculosis* thymidylate kinase (*Mtb*TMPK) inhibitors into potential antimycobacterial agents. *Eur J Med Chem.* 2020;206:112659.

**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