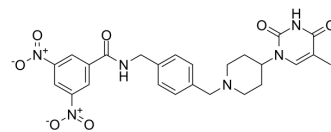


## MtTMPK-IN-9

Cat. No.:	HY-146703
Molecular Formula:	C <sub>25</sub> H <sub>26</sub> N <sub>6</sub> O <sub>7</sub>
Molecular Weight:	522.51
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-9 (compound 28) is a moderate <i>M. tuberculosis</i> thymidylate kinase ( <i>Mtb</i> TMPK) inhibitor with an IC <sub>50</sub> value of 48 μM. MtTMPK-IN-9 has sub-micromolar activity against mycobacteria (MICs = 6.25~9.4 μM) without significant cytotoxicity. MtTMPK-IN-9 can be used for researching tuberculosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 48 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.**

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