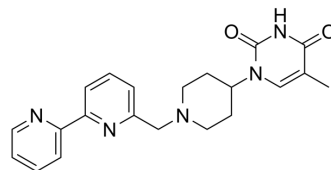


MtTMPK-IN-5

Cat. No.:	HY-146699
Molecular Formula:	C ₂₁ H ₂₃ N ₅ O ₂
Molecular Weight:	377.44
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-5 (compound 17) is a potent <i>M. tuberculosis</i> thymidylate kinase (<i>Mtb</i> TMPK) inhibitor with an IC ₅₀ value of 34 μM. MtTMPK-IN-5 combines favorable enzyme inhibitory activity with significant activity against <i>M. tuberculosis</i> (MIC = 12.5 μM). MtTMPK-IN-5 can be used for researching tuberculosis ^[1] .
IC ₅₀ & Target	IC ₅₀ : 34 μM (<i>Mtb</i> TMPK) ^[1]

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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