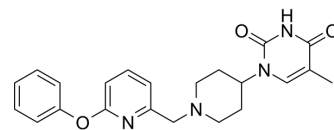


MtTMPK-IN-1

Cat. No.:	HY-144663
CAS No.:	2799607-58-0
Molecular Formula:	C ₂₂ H ₂₄ N ₄ O ₃
Molecular Weight:	392.45
Target:	Thymidylate Synthase; Bacterial
Pathway:	Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	MtTMPK-IN-1 (compound 3) is a potent <i>Mycobacterium tuberculosis</i> thymidylate kinase (MtTMPK) inhibitor with an IC ₅₀ value of 2.5 μM. MtTMPK-IN-1 has moderate to weak activity against Mtb H37Rv and low cytotoxicity in human fibroblast cells MRC-5. MtTMPK-IN-1 can be used for researching tuberculosis ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2.5 μM ^[1]

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