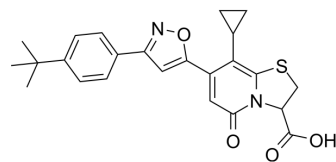


Mtb-IN-5

Cat. No.:	HY-155722
CAS No.:	2954888-39-0
Molecular Formula:	C ₂₄ H ₂₄ N ₂ O ₄ S
Molecular Weight:	436.52
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mtb-IN-5 (compound (-)-17j) is an isoxazole, with anti-Myco a cterium tuberculosis (Mtb) activity. Mtb-IN-4 inhibits Mtb respiration and biofilm formation in macrophage, and enhances antibiotic isoniazid (INH) inhibition against INH-resistant Mtb mutant ^[1] .
IC ₅₀ & Target	Mycobacterium tuberculosis (Mtb) ^[1]

REFERENCES

[1]. Sarkar S, et al. Design, Synthesis, and Evaluation of Novel $\Delta 2$ -Thiazolino 2-Pyridone Derivatives That Potentiate Isoniazid Activity in an Isoniazid-Resistant Mycobacterium tuberculosis Mutant. J Med Chem. 2023 Aug 24;66(16):11056-11077.

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

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