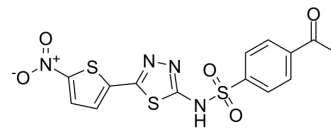


Mt KARI-IN-5

Cat. No.:	HY-146301
CAS No.:	2413974-69-1
Molecular Formula:	C ₁₄ H ₁₀ N ₄ O ₅ S ₃
Molecular Weight:	410.45
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mt KARI-IN-5 (compound 6c) is a potent <i>Mycobacterium tuberculosis</i> ketol-acid reductoisomerase (<i>Mtb</i> KARI) inhibitor with a K_i value of 4.72 μ M. Mt KARI-IN-5 has inhibitory activity against Mtb H37Rv (MIC = 1.56 μ M) and low cytotoxicity (HEK IC ₅₀ > 64 μ g/mL) ^[1]
IC ₅₀ & Target	K_i : 4.72 μ M (Mtb KARI) ^[1]

REFERENCES

[1]. Krishna VS, et al. Design and development of ((4-methoxyphenyl)carbamoyl) (5-(5-nitrothiophen-2-yl)-1,3,4-thiadiazol-2-yl)amide analogues as Mycobacterium tuberculosis ketol-acid reductoisomerase inhibitors. Eur J Med Chem. 2020;193:112178.

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

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