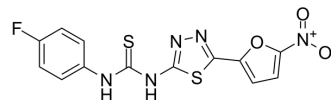


Mt KARI-IN-4

Cat. No.:	HY-146300
CAS No.:	2413974-53-3
Molecular Formula:	C ₁₃ H ₈ FN ₅ O ₃ S ₂
Molecular Weight:	365.36
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-4 (compound 5c) is a potent <i>Mycobacterium tuberculosis</i> ketol-acid reductoisomerase (<i>Mtb</i> KARI) inhibitor with a K _i value of 5.48 μM. Mt KARI-IN-4 has inhibitory activity against Mtb H37Rv (MIC = 0.78 μM) and low cytotoxicity (HEK IC ₅₀ > 72 μg/mL) ^[1] .
IC ₅₀ & Target	K _i : 5.48 μM (<i>Mtb</i> 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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