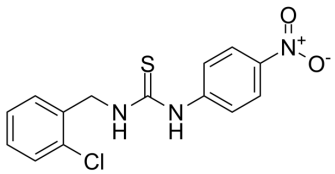
InhA-IN-3

Cat. No.:	HY-150588
CAS No.:	900701-83-9
Molecular Formula:	$C_{14}H_{12}ClN_3O_2S$
Molecular Weight:	321.78
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	InhA-IN-3 (Compound TU12) is a Mycobacterium tuberculosis InhA (an enoyl ACP-reductase) inhibitor with an IC_{50} of 17.7 μM [1].
IC_{50} & Target	IC_{50}: 17.7 μM (InhA)[1]
In Vitro	InhA-IN-3 (Compound TU12) shows antitubercular activity with a MIC of 0.78±0.59 μg/mL against Mycobacterium tuberculosis[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Doğan ŞD, et al. Design and synthesis of thiourea-based derivatives as Mycobacterium tuberculosis growth and enoyl acyl carrier protein reductase (InhA) inhibitors. Eur J Med Chem. 2020 Aug 1;199:112402.

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