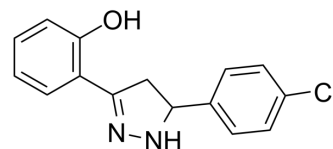


Mycobactin-IN-1

Cat. No.:	HY-145301
CAS No.:	65840-95-1
Molecular Formula:	C ₁₅ H ₁₃ ClN ₂ O
Molecular Weight:	272.73
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Mycobactin-IN-1 (compound 44), a pyrazoline analogue, is a mycobactin biosynthesis inhibitor against mycobacteria. Mycobactin-IN-1 binds to salicyl-AMP ligase (MbtA), a key enzyme in the mycobactin biosynthetic pathway^[1].

REFERENCES

[1]. Mousumi Shyam et al. Mycobactin Analogues with Excellent Pharmacokinetic Profile Demonstrate Potent Antitubercular Specific Activity and Exceptional Efflux Pump Inhibition. *J Med Chem.* 2022 Jan 13;65(1):234-256.

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

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