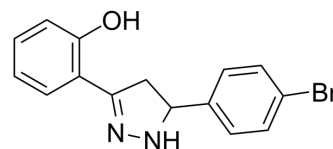


## Mycobactin-IN-2

Cat. No.:	HY-145302
CAS No.:	421573-09-3
Molecular Formula:	C <sub>15</sub> H <sub>13</sub> BrN <sub>2</sub> O
Molecular Weight:	317.18
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Mycobactin-IN-2 (compound 49) is a mycobactin biosynthesis inhibitor against mycobacteria. Mycobactin-IN-2 binds to salicyl-AMP ligase (MbtA), a key enzyme in the mycobactin biosynthetic pathway <sup>[1]</sup> .
IC <sub>50</sub> & Target	Mycobactin <sup>[1]</sup>
In Vitro	Mycobactin-IN-2 exhibits notable activity against <i>M. tuberculosis</i> in iron-impooverished media with MIC <sub>90</sub> 8 µg/mL <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Shyam M, 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA