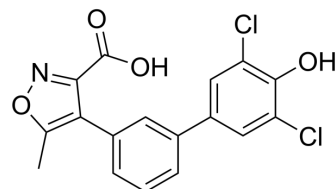


## MptpB-IN-1

Cat. No.:	HY-145741
CAS No.:	2244622-44-2
Molecular Formula:	C <sub>17</sub> H <sub>11</sub> Cl <sub>2</sub> NO <sub>4</sub>
Molecular Weight:	364.18
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

MptpB-IN-1 (Compound 13) is a potent and orally active inhibitor of MptpB. Mycobacterium tuberculosis protein-tyrosine-phosphatase B (MptpB) is a secreted virulence factor that subverts antimicrobial activity in the host. MptpB-IN-1 reduces multidrug-resistant mycobacterium tuberculosis survival and infection burden<sup>[1]</sup>.

### REFERENCES

[1]. Vickers CF, et al. Structure-Based Design of MptpB Inhibitors That Reduce Multidrug-Resistant Mycobacterium tuberculosis Survival and Infection Burden in Vivo. J Med Chem. 2018;61(18):8337-8352.

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

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