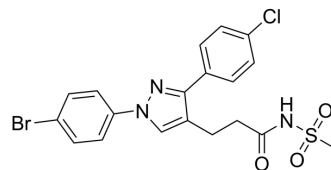


HadAB-IN-1

Cat. No.:	HY-151806
CAS No.:	1097120-47-2
Molecular Formula:	C ₁₉ H ₁₇ BrClN ₃ O ₃ S
Molecular Weight:	482.78
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HadAB-IN-1 is a potent HadAB inhibitor. HadAB-IN-1 inhibits HadAB enzyme complexes activity with an IC ₅₀ value of 0.03 μM. HadAB-IN-1 also affects mycolic acid biosynthesis in Mycobacterium tuberculosis (Mtb). HadAB-IN-1 can be used for the research of tuberculosis (TB) ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.03 μM (HadAB enzyme complexes); MIC ₅₀ : 4.7 μM (Mtb) ^[1] .
In Vitro	HadAB-IN-1 has inhibition activity for HadAB enzyme complexes with an IC ₅₀ value of 0.03 μM ^[1] . HadAB-IN-1 can inhibit Mycobacterium tuberculosis (Mtb) with an MIC ₅₀ value of 4.7 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Vinayak Singh, et al. 1,3-Diarylpyrazolyl-acylsulfonamides Target HadAB/BC Complex in Mycobacterium tuberculosis. ACS Infect Dis. 2022 Nov 11;8(11):2315-2326.

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