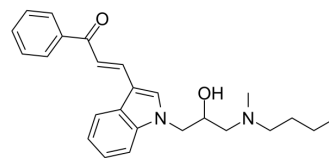


PknB-IN-1

Cat. No.:	HY-151204
CAS No.:	1447917-39-6
Molecular Formula:	C ₂₅ H ₃₀ N ₂ O ₂
Molecular Weight:	390.52
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PknB-IN-1 (Compound 2) is a protein kinase B (PknB) inhibitor (IC ₅₀ =14.4 μM). PknB-IN-1 shows anti-mycobacterial activity, can inhibit M. tuberculosis H37Rv strain growth (MIC=6.2 μg/mL) ^[1] .	
IC₅₀ & Target	IC ₅₀ : 14.4 μM (PknB) ^[1]	
In Vitro	PknB-IN-1 (0-100 μM; 60 min) can inhibit M. tuberculosis PknB activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay ^[1]	
	Cell Line:	M. tuberculosis
	Concentration:	0-100 μM
	Incubation Time:	60 min
	Result:	Exhibited M. tuberculosis PknB inhibition activity (IC ₅₀ =7.3 μM).

REFERENCES

[1]. Paptawan Thongdee, et al. Virtual Screening Identifies Novel and Potent Inhibitors of Mycobacterium tuberculosis PknB with Antibacterial Activity. J Chem Inf Model. 2022 Aug 22.

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

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