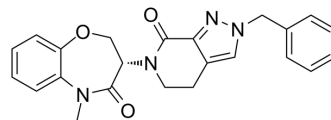


TP-030-1

Cat. No.:	HY-148253
CAS No.:	2095514-75-1
Molecular Formula:	C ₂₃ H ₂₂ N ₄ O ₃
Molecular Weight:	402.45
Target:	RIP kinase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TP-030-1 is an inhibitor of RIPK1. TP-030-1 inhibits hRIPK1 with a K _i value of 3.9 nM and inhibits mRIPK1 with an IC ₅₀ value of 4.2 μM. TP-030-1 can be used for the research of inflammatory diseases and neurodegenerative diseases ^[1] .
In Vitro	TP-030-1 inhibits HT29 necroptosis with an IC ₅₀ value of 18 nM ^[1] . TP-030-1 inhibits hRIPK1 with a K _i value of 3.9 nM ^[1] . TP-030-1 inhibits mRIPK1 with an IC ₅₀ value of 4.2 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Msato Yoshikawa, et al. Discovery of 7-Oxo-2,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridine Derivatives as Potent, Orally Available, and Brain-Penetrating Receptor Interacting Protein 1 (RIP1) Kinase Inhibitors: Analysis of Structure–Kinetic Relationships. *J. Med. Chem.* 2018, 61, 6, 2384–2409.

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

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