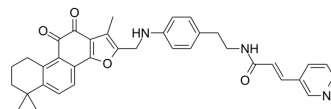


Nampt-IN-8

Cat. No.:	HY-147795
CAS No.:	2453183-75-8
Molecular Formula:	C ₃₆ H ₃₅ N ₃ O ₄
Molecular Weight:	573.68
Target:	NAMPT; Apoptosis; Reactive Oxygen Species
Pathway:	Metabolic Enzyme/Protease; Apoptosis; Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Nampt-IN-8 (Compound 10d) is a NAMPT inhibitor with an IC ₅₀ of 0.183 μM. Nampt-IN-8 is also a relatively good NQO1 substrate. Nampt-IN-8 induces cell apoptosis and ROS ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.183 μM (NAMPT) ^[1]
In Vitro	Nampt-IN-8 (Compound 10d) shows antiproliferative activity with an IC ₅₀ of 1.15 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Nampt-IN-8 (Compound 10d) (0-20 mg/kg) substantially inhibits the growth of A549/taxol xenograft tumors in vivo with no significant toxicity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang K, et al. Discovery of Small Molecules Simultaneously Targeting NAD(P)H:Quinone Oxidoreductase 1 and Nicotinamide Phosphoribosyltransferase: Treatment of Drug-Resistant Non-small-Cell Lung Cancer. *J Med Chem.* 2022 Jun 9;65(11):7746-7769.

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

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