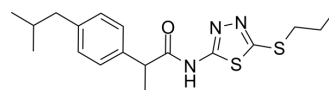


NTPDase-IN-1

Cat. No.:	HY-143287
CAS No.:	2962812-29-7
Molecular Formula:	C ₁₈ H ₂₅ N ₃ OS ₂
Molecular Weight:	363.54
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	NTPDase-IN-1 (compound 5a) is a selective NTPDase inhibitor with IC ₅₀ s of 0.05, 0.23 and 0.54 μM for h-NTPDase-1/-2/-8, respectively. NTPDase-IN-1 non-competitively inhibits h-NTPDase-1/-2 with a K _m of 21 μM for h-NTPDase-1. NTPDase-IN-1 can be used in studies of cancer, immunologic disorders as well as bacterial infections ^[1] .			
IC₅₀ & Target	h-NTPDase-1 0.05 μM (IC ₅₀)	h-NTPDase-2 0.23 μM (IC ₅₀)	h-NTPDase-8 0.54 μM (IC ₅₀)	h-NTPDase-3 ∞100 μM (IC ₅₀)

REFERENCES

[1]. Abbas S, et al. Synthesis, characterization and biological evaluation of thiadiazole amide derivatives as nucleoside triphosphate diphosphohydrolases (NTPDases) inhibitors. *Bioorg Chem.* 2022 Jan;118:105456.

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

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