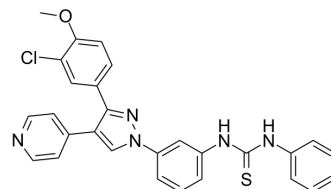


Enpp-1-IN-13

Cat. No.:	HY-147998
CAS No.:	2417022-19-4
Molecular Formula:	C ₂₈ H ₂₂ ClN ₅ OS
Molecular Weight:	512.03
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Enpp-1-IN-13 (Compound 1a) is an ectonucleotide pyrophosphatase/phosphodiesterase (ENPP) inhibitor with IC ₅₀ values of 1.29 μM and 20.2 μM against ENPP1 and ENPP3, respectively. Enpp-1-IN-13 shows anticancer activity ^[1] .
IC ₅₀ & Target	IC ₅₀ : 1.29 μM (ENPP1), 20.2 μM (ENPP3) ^[1]
In Vitro	Enpp-1-IN-13 (Compound 1a) (100 μM) shows cytotoxic effect with inhibition of 23.0 ± 2.2%, 35.1 ± 0.8% and 30.4 ± 0.1% against HeLa, MCF-7 and 1321N1 cells, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ullah S, et al. Synthesis, biological evaluation, and docking studies of new pyrazole-based thiourea and sulfonamide derivatives as inhibitors of nucleotide pyrophosphatase/phosphodiesterase. *Bioorg Chem.* 2020 Jun;99:103783.

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

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