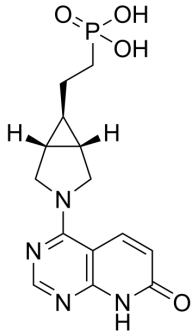
Enpp-1-IN-20

Cat. No.:	HY-163343
Molecular Formula:	$C_{14}H_{17}N_4O_4P$
Molecular Weight:	336.28
Target:	Phosphodiesterase (PDE); STING
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Enpp-1-IN-20 (Compound 31) is an ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) inhibitor, with an IC_{50} of 0.09 nM. Enpp-1-IN-20 has strongest inhibitory activity in the cell-based assay, with an IC_{50} of 8.8 nM. Enpp-1-IN-20 has significant potency in both ENPP1 inhibition and STING pathway stimulation in vitro. Enpp-1-IN-20 can be used for the research of cancer[1].
IC_{50} & Target	0.09 nM (ENPP1), 5 nM (ENPP3)[1]

REFERENCES

[1]. Sun Y, et al. Discovery of Pyrido[2,3-d]pyrimidin-7-one Derivatives as Highly Potent and Efficacious Ectonucleotide Pyrophosphatase/Phosphodiesterase 1 (ENPP1) Inhibitors for Cancer Treatment. J Med Chem. 2024 Feb 22.

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