Enpp-1-IN-19

Cat. No.: HY-155457

CAS No.: 2738583-25-8

Molecular Formula: $C_{16}H_{16}N_4O_3S$

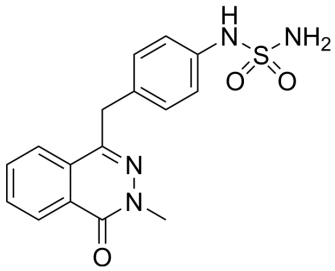
Molecular Weight: 344.39

Target: Phosphodiesterase (PDE); STING

Pathway: Metabolic Enzyme/Protease; Immunology/Inflammation

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (362.96 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.9037 mL	14.5184 mL	29.0368 mL
	5 mM	0.5807 mL	2.9037 mL	5.8074 mL
	10 mM	0.2904 mL	1.4518 mL	2.9037 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Enpp-1-IN-19 (compound 29f) is an orally active ENPP1 inhibitor that inhibits cGAMP hydrolysis by ENPP1 (IC_{50}=68 nM). Enpp-1-IN-19 increases anti-PD-L1 responses and inhibits tumor growth in CT26 syngeneic models. Enpp-1-IN-19 also enhances STING-mediated type I interferon responses, induces immune memory, and prevents tumor recurrence[1].

IC_{50} & Target

ENPP1[1]

REFERENCES

[1]. Cho Y et al. Discovery of Orally Bioavailable Phthalazinone Analogues as an ENPP1 Inhibitor for STING-Mediated Cancer Immunotherapy. J Med Chem. 2023 Nov 23;66(22):15141-15170.

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

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