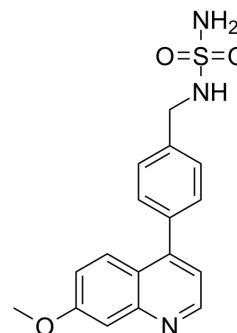


Enpp-1-IN-1

Cat. No.:	HY-129490		
CAS No.:	2289728-58-9		
Molecular Formula:	C ₁₇ H ₁₇ N ₃ O ₃ S		
Molecular Weight:	343.4		
Target:	Phosphodiesterase (PDE)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (728.01 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9121 mL	14.5603 mL	29.1206 mL
	5 mM	0.5824 mL	2.9121 mL	5.8241 mL
	10 mM	0.2912 mL	1.4560 mL	2.9121 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (6.06 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (6.06 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (6.06 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Enpp-1-IN-1 is a Ectonucleotide pyrophosphatase-phosphodiesterase 1 (enpp-1) inhibitor extracted from patent WO2019046778, Example 55^[1].

IC₅₀ & Target

enpp-1^[1]

CUSTOMER VALIDATION

-
- Protein Cell. 2021 Oct 22;1-21.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. William Michael Gallatin, et al. Ectonucleotide pyrophosphatase-phosphodiesterase 1 (enpp-1) inhibitors and uses thereof. WO2019046778.

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

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