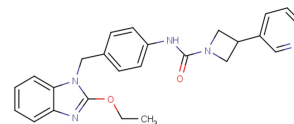


Nampt-IN-5

Chemical Properties

CAS No.:	2380013-17-0
Formula:	C ₂₅ H ₂₅ N ₅ O ₂
Molecular Weight:	427.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Nampt-IN-5 is a potent and orally active inhibitor of nicotinamide phosphoribosyltransferase (NAMPT) .
Targets(IC ₅₀)	Nampt: None
In vitro	Nampt-IN-5 shows a good ADME data: mouse microsomal clearance, CYP3A4 inhibition value (0.75 μ M), Sol6.8: 0.056 mM; MDCK Papp AB: 18.6. Nampt-IN-5 has cellular IC ₅₀ s of 0.7 nM and 3.9 nM against A2780 and COR-L23, respectively in CellTiterGlo (CTG) assays[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.339 mL	11.696 mL	23.392 mL
5 mM	0.468 mL	2.339 mL	4.678 mL
10 mM	0.234 mL	1.17 mL	2.339 mL
50 mM	0.047 mL	0.234 mL	0.468 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Palacios DS, et al. Scaffold Morphing Identifies 3-Pyridyl Azetidine Ureas as Inhibitors of Nicotinamide Phosphoribosyltransferase (NAMPT). ACS Med Chem Lett. 2019 Oct 10;10(11):1524-1529.

Inhibitors · Natural Compounds · Compound Libraries

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