## Nampt activator-2

MedChemExpress

Cat. No.:	HY-148822		
CAS No.:	2237268-90	-3	
Molecular Formula:	C <sub>17</sub> H <sub>15</sub> ClN <sub>4</sub> C	)₃S	
Molecular Weight:	390.84		
Target:	NAMPT		
Pathway:	Metabolic E	Enzyme/F	rotease
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

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## SOLVENT & SOLUBILITY

	Solvent Mass Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5586 mL	12.7930 mL	25.5859 mL
	5 mM	0.5117 mL	2.5586 mL	5.1172 mL
	10 mM	0.2559 mL	1.2793 mL	2.5586 mL

BIOLOGICAL ACTIV	ИТҮ	
Description		nd 34) is a potent NAMPT activator, with EC $_{50}$ of 0.023 $\mu$ M. Nampt activator-2 shows moderate 60 $\mu$ M), 2D6 (0.41 $\mu$ M) and 2C19 (0.59 $\mu$ M)^{[1]}.
In Vitro	[1]	nd 34) (10 μM, 4 h) results in a marked increase of both NMN and NAD in A549 lung epithelial cells confirmed the accuracy of these methods. They are for reference only.
In Vivo	excellent oral bioavailability	Ind 34) (1 mg/kg iv and 10 mg/kg po, once) shows low plasma clearance, good exposure and y (%F = 80) <sup>[1]</sup> . confirmed the accuracy of these methods. They are for reference only. Mouse <sup>[1]</sup> 1 mg/kg iv and 10 mg/kg po

## Product Data Sheet

HN N H H H

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Administration:	IV, PO; once (Pharmacokinetic Analysis)			
Result:	Pharmacokinetic Parameters of	Nampt activator-2 in mouse	2 <sup>[1]</sup> .	
		IV (1 mg/kg)	PO (10 mg/kg	
	C <sub>max</sub> (ng/mL)		9550	
	AUC <sub>0-24</sub> (ng/mL⊠h)		54463	
	t <sub>1/2</sub> (h)		3.2	
	CL (mL/min/kg)	3		
	Vd (L/kg)	0.61		
	F (%)		80	

## REFERENCES

[1]. Pinkerton AB, et al. Optimization of a urea-containing series of nicotinamide phosphoribosyltransferase (NAMPT) activators. Bioorg Med Chem Lett. 2021 Jun 1;41:128007.

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

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