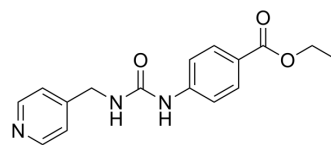


## Nampt activator-1

Cat. No.:	HY-148815
CAS No.:	701929-65-9
Molecular Formula:	C <sub>16</sub> H <sub>17</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	299.32
Target:	NAMPT
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (835.23 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.3409 mL	16.7045 mL	33.4091 mL
		5 mM	0.6682 mL	3.3409 mL	6.6818 mL
	10 mM	0.3341 mL	1.6705 mL	3.3409 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.95 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Nampt activator-1 (compound 1) is a potent Nicotinamide phosphoribosyltransferase (NAMPT) activator, with EC <sub>50</sub> of 3.3-3.7 μM <sup>[1]</sup> .
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### REFERENCES

[1]. Akiu M, et al. Discovery of 1-[2-(1-methyl-1H-pyrazol-5-yl)-[1,2,4]triazolo[1,5-a]pyridin-6-yl]-3-(pyridin-4-ylmethyl)urea as a potent NAMPT (nicotinamide phosphoribosyltransferase) activator with attenuated CYP inhibition.[J]. Bioorganic & medicinal chemistry letters, 2021, 43:128048.

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

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