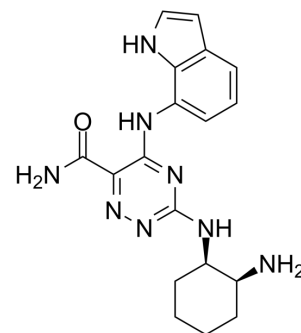


Syk-IN-1

Cat. No.:	HY-12657		
CAS No.:	1491150-77-6		
Molecular Formula:	C ₁₈ H ₂₂ N ₈ O		
Molecular Weight:	366.42		
Target:	Syk		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (272.91 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.7291 mL	13.6455 mL	27.2911 mL
		5 mM	0.5458 mL	2.7291 mL	5.4582 mL
10 mM		0.2729 mL	1.3646 mL	2.7291 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (13.65 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Syk-IN-1 (compound 4) is a potent Syk inhibitor, with an IC ₅₀ of 35 nM ^[1] .
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REFERENCES

[1]. Thoma G, et al. Orally bioavailable Syk inhibitors with activity in a rat PK/PD model. *Bioorg Med Chem Lett*. 2015;25(20):4642-4647.

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

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