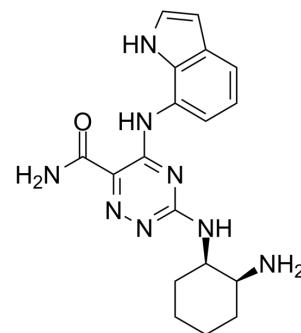


## Syk-IN-1

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



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (272.91 mM; Need ultrasonic)			
		<b>Solvent</b>	<b>Mass</b>	
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>
	<b>Preparing Stock Solutions</b>		<b>10 mg</b>	
	<b>1 mM</b>	2.7291 mL	13.6455 mL	27.2911 mL
	<b>5 mM</b>	0.5458 mL	2.7291 mL	5.4582 mL
	<b>10 mM</b>	0.2729 mL	1.3646 mL	2.7291 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	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

<b>Description</b>	Syk-IN-1 (compound 4) is a potent Syk inhibitor, with an IC <sub>50</sub> of 35 nM <sup>[1]</sup> .
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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.

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

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