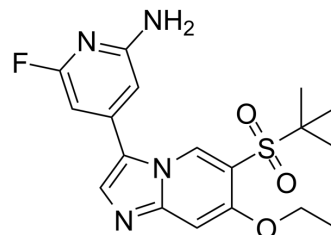


## RIPK-IN-4

Cat. No.:	HY-107978		
CAS No.:	2141969-56-2		
Molecular Formula:	C <sub>18</sub> H <sub>21</sub> FN <sub>4</sub> O <sub>3</sub> S		
Molecular Weight:	392.45		
Target:	RIP kinase		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



## SOLVENT & SOLUBILITY

In Vitro	DMSO : 31.25 mg/mL (79.63 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.5481 mL	12.7405 mL	25.4810 mL
		5 mM	0.5096 mL	2.5481 mL	5.0962 mL
10 mM		0.2548 mL	1.2740 mL	2.5481 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: ≥ 3.13 mg/mL (7.98 mM); Clear solution				

## BIOLOGICAL ACTIVITY

Description	RIPK-IN-4 is a potent and selective RIPK2 inhibitor with excellent oral bioavailability, and has an IC <sub>50</sub> of 3 nM <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 3 nM (RIPK2) <sup>[1]</sup>

## REFERENCES

[1]. He X, et al. Identification of Potent and Selective RIPK2 Inhibitors for the Treatment of Inflammatory Diseases. ACS Med Chem Lett. 2017 Sep 27;8(10):1048-1053.

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

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