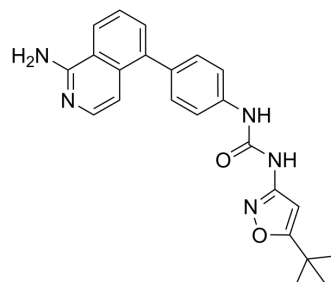


RIPK1-IN-4

Cat. No.:	HY-18901		
CAS No.:	1481641-08-0		
Molecular Formula:	C ₂₃ H ₂₃ N ₅ O ₂		
Molecular Weight:	401.46		
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 : 250 mg/mL (622.73 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	2.4909 mL	12.4545 mL
		5 mM	0.4982 mL	2.4909 mL
		10 mM	0.2491 mL	1.2455 mL
	Please refer to the solubility information to select the appropriate solvent.			
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.18 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.18 mM); Clear solution Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.44 mg/mL (3.59 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	RIPK1-IN-4 (compound 8) is a potent and selective type II kinase inhibitor of receptor interacting protein 1 (RIP1) kinase and binds to a DLG-out inactive form of RIP1 with an IC ₅₀ s of 16 nM and 10 nM for RIP1 and ADP-Glo kinase ^[1] .
IC₅₀ & Target	RIPK1

REFERENCES

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

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