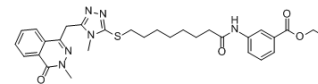


IL-15-IN-1

Cat. No.:	HY-102049		
CAS No.:	1831830-20-6		
Molecular Formula:	C ₃₀ H ₃₆ N ₆ O ₄ S		
Molecular Weight:	576.71		
Target:	Interleukin Related		
Pathway:	Immunology/Inflammation		
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 : 125 mg/mL (216.75 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.7340 mL	8.6699 mL	17.3397 mL
		5 mM	0.3468 mL	1.7340 mL	3.4679 mL
10 mM		0.1734 mL	0.8670 mL	1.7340 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 >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.61 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.61 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	IL-15-IN-1 is a potent and selective Interleukin 15 (IL-15) inhibitor, inhibiting the proliferation of IL-15-dependent cells with an IC ₅₀ of 0.8 μM.
IC ₅₀ & Target	IL-15 0.8 μM (IC ₅₀)

REFERENCES

[1]. Quéméner A, et al. Discovery of a Small-Molecule Inhibitor of Interleukin 15: Pharmacophore-Based Virtual Screening and Hit Optimization. J Med Chem. 2017 Jul 27;60(14):6249-6272.

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

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