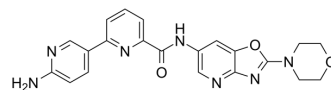


IRAK4-IN-7

Cat. No.:	HY-109585		
CAS No.:	1801343-74-7		
Molecular Formula:	C ₂₁ H ₁₉ N ₇ O ₃		
Molecular Weight:	417.42		
Target:	IRAK		
Pathway:	Immunology/Inflammation		
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 : 13.89 mg/mL (33.28 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3957 mL	11.9783 mL	23.9567 mL
		5 mM	0.4791 mL	2.3957 mL	4.7913 mL
10 mM		0.2396 mL	1.1978 mL	2.3957 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: ≥ 1.39 mg/mL (3.33 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	IRAK4-IN-7 is a selective, potent and orally active interleukin-1 receptor-associated kinase 4 (IRAK4) inhibitor, extracted from patent WO2015104688 (example 1). IRAK4-IN-7 has the potential for cancer and inflammatory diseases treatment ^[1] .
IC ₅₀ & Target	IRAK4 (IC ₅₀)
In Vivo	IRAK4-IN-7 has anti-cancer and anti-inflammatory activities, it can be used for cancer and inflammatory diseases treatment [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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