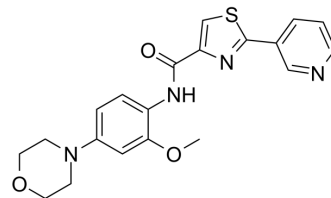


IRAK inhibitor 6

Cat. No.:	HY-13280		
CAS No.:	1042672-97-8		
Molecular Formula:	C ₂₀ H ₂₀ N ₄ O ₃ S		
Molecular Weight:	396.46		
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 : 8.33 mg/mL (21.01 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.5223 mL	12.6116 mL	25.2232 mL
		5 mM		0.5045 mL	2.5223 mL	5.0446 mL
10 mM			0.2522 mL	1.2612 mL	2.5223 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: ≥ 0.83 mg/mL (2.09 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	IRAK inhibitor 6 is an inhibitor of interleukin-1 receptor associated kinase 4 (IRAK-4) with IC ₅₀ of 160 nM.
IC ₅₀ & Target	IC ₅₀ : 160 nM (IRAK-4) ^[1]
In Vitro	IRAK inhibitor 6 significantly improves potency against IRAK-4. Potency effects additive, IRAK inhibitor 6 is the most active compound among these compound tested ^[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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