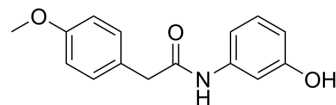


NLRP3/AIM2-IN-2

Cat. No.:	HY-144223	
CAS No.:	791840-86-3	
Molecular Formula:	C ₁₅ H ₁₅ NO ₃	
Molecular Weight:	257.28	
Target:	NOD-like Receptor (NLR); AIM2	
Pathway:	Immunology/Inflammation	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (485.85 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	3.8868 mL	19.4341 mL	38.8682 mL
			5 mM	0.7774 mL	3.8868 mL	7.7736 mL
	10 mM	0.3887 mL	1.9434 mL	3.8868 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: ≥ 2.08 mg/mL (8.08 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (8.08 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (8.08 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	NLRP3/aim2-in-2 (compound 8) is a new potent inhibitor with different species-specific effects on NLRP3 and AIM2 inflammasome dependent cell death. Its IC_{50} value is $0.2392 \pm 0.0233 \mu M$
IC ₅₀ & Target	NLRP3 and AIM2 $0.2392 \pm 0.0 \mu M$ (IC ₅₀)

REFERENCES

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

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