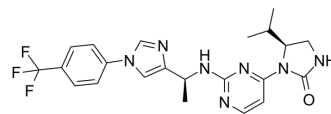


## IDH1 Inhibitor 7

Cat. No.:	HY-150238		
CAS No.:	2135309-56-5		
Molecular Formula:	C <sub>22</sub> H <sub>24</sub> F <sub>3</sub> N <sub>7</sub> O		
Molecular Weight:	459.47		
Target:	Isocitrate Dehydrogenase (IDH)		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (217.64 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	2.1764 mL	10.8821 mL
	5 mM	0.4353 mL	2.1764 mL	
	10 mM	0.2176 mL	1.0882 mL	2.1764 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: 2.5 mg/mL (5.44 mM); Clear solution; Need ultrasonic			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.44 mM); Clear solution; Need ultrasonic			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.44 mM); Clear solution; Need ultrasonic			

### BIOLOGICAL ACTIVITY

Description	IDH1 Inhibitor 7 (Compound 88) is an IDH1 inhibitor with an IC <sub>50</sub> of less than 100 nM <sup>[1]</sup> .
IC <sub>50</sub> & Target	IDH1 <100 nM (IC <sub>50</sub> )

### REFERENCES

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

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