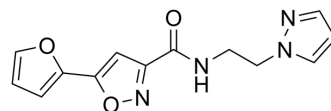


## Wnt/ $\beta$ -catenin agonist 2

Cat. No.:	HY-141873
CAS No.:	943820-93-7
Molecular Formula:	C <sub>13</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	272.26
Target:	$\beta$ -catenin
Pathway:	Stem Cell/Wnt
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (183.65 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mg	
			1 mg	5 mg	10 mg
	1 mM		3.6730 mL	18.3648 mL	36.7296 mL
	5 mM		0.7346 mL	3.6730 mL	7.3459 mL
	10 mM		0.3673 mL	1.8365 mL	3.6730 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: $\geq$ 2.5 mg/mL (9.18 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: $\geq$ 2.5 mg/mL (9.18 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Wnt/ $\beta$ -catenin agonist 2 is a potent Wnt agonist. Wnt/ $\beta$ -catenin agonist 2 activates Wnt/ $\beta$ -catenin signaling and can be used in the research of diseases related to the signal transduction <sup>[1]</sup> . (From patent WO2007078113A1, compound 39)
In Vitro	Wnt/ $\beta$ -catenin agonist 2 is an activator for $\beta$ -Catenin in SW480 cell line. Wnt/ $\beta$ -catenin agonist 2 shows effect on differentiation ST2 Cell into osteoblasts <sup>[1]</sup> . 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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