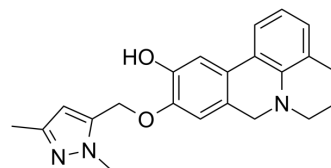


## Wnt/ $\beta$ -catenin agonist 1

Cat. No.:	HY-114321		
CAS No.:	2305372-67-0		
Molecular Formula:	C <sub>22</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>		
Molecular Weight:	363.45		
Target:	Wnt		
Pathway:	Stem Cell/Wnt		
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 : 10 mg/mL (27.51 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7514 mL	13.7570 mL	27.5141 mL
	5 mM	0.5503 mL	2.7514 mL	5.5028 mL
	10 mM	0.2751 mL	1.3757 mL	2.7514 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Wnt/ $\beta$ -catenin agonist 1 (compound 3f) is a Wnt/ $\beta$ -catenin signalling pathway agonist, with an EC<sub>50</sub> of 0.27  $\mu$ M<sup>[1]</sup>.

#### In Vitro

EC<sub>50</sub>: 0.27  $\mu$ M (Wnt/ $\beta$ -catenin)<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Aging Cell. 2022 Jul 30;e13677.
- Cell Death Discov. 2022 Oct 1;8(1):404.
- Cancer Manag Res. 2020 Sep 28;12:9197-9209.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

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[1]. Chen DZ, et al. Design, synthesis and structure-activity relationship optimization of phenanthridine derivatives as new Wnt/ $\beta$ -catenin signalling pathway agonists. *Bioorg Chem.* 2019 Mar;84:285-294.

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

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