Wnt/β-catenin agonist 4

Cat. No.: HY-151520

CAS No.: 912784-79-3

Molecular Formula: $C_{16}H_{15}FN_4O_2$

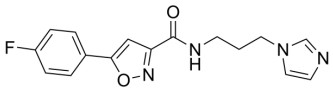
Molecular Weight: 314.31

Target: Wnt

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 : 125 mg/mL (397.70 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.1816 mL	15.9079 mL	31.8157 mL
	5 mM	0.6363 mL	3.1816 mL	6.3631 mL
	10 mM	0.3182 mL	1.5908 mL	3.1816 mL

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

BIOLOGICAL ACTIVITY

Description

Wnt/β-catenin agonist 4 (Derivative 83) is an agonist of Wnt that activates Wnt/β-catenin signal transmission[1].

IC_{50} & Target

Wnt[1]

In Vitro

Wnt/β-catenin agonist 4 (Derivative 83) (120 μM; 24 h) shows 1049% β-catenin activity in HEK293 and SW480 cells[1].

Wnt/β-catenin agonist 4 (11 μM; 4 days) shows 2848% ALP activity on differentiation of ST2 cell line into osteoblasts[1].

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

REFERENCES

[1]. Jeong Woo Cho, et al. Isoxazole derivatives and use thereof. Patent WO2007078113A1.

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

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