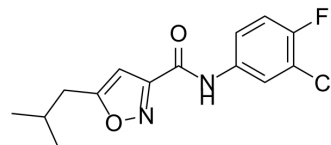


SJ000063181

Cat. No.:	HY-147372
CAS No.:	945189-68-4
Molecular Formula:	C ₁₄ H ₁₄ ClFN ₂ O ₂
Molecular Weight:	296.72
Target:	TGF-beta/Smad
Pathway:	Stem Cell/Wnt; TGF-beta/Smad
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (337.02 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	3.3702 mL	16.8509 mL	33.7018 mL
			5 mM	0.6740 mL	3.3702 mL	6.7404 mL
10 mM	0.3370 mL	1.6851 mL	3.3702 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.43 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	SJ000063181 is a potent BMP signaling activator with an EC ₅₀ ≤ 1 μM. SJ000063181 can be used as chemical probes to interrogate BMP signaling due to it can penetrate zebrafish embryos ^[1] .
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REFERENCES

[1]. Jamie R Genthe, et al. Ventromorphins: A New Class of Small Molecule Activators of the Canonical BMP Signaling Pathway. ACS Chem Biol. 2019 Jul 19;14(7):1673.

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

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