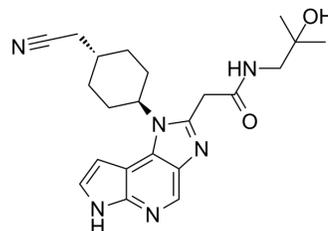


Lorpucitinib

Cat. No.:	HY-109182
CAS No.:	2230282-02-5
Molecular Formula:	C ₂₂ H ₂₈ N ₆ O ₂
Molecular Weight:	408.5
Target:	JAK
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; 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 : 250 mg/mL (612.00 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.4480 mL	12.2399 mL	24.4798 mL
				5 mM	0.4896 mL	2.4480 mL	4.8960 mL
				10 mM	0.2448 mL	1.2240 mL	2.4480 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: ≥ 2.08 mg/mL (5.09 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.09 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.09 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Lorpuccitinib is a Gut-Restricted JAK Inhibitor for the research of Inflammatory Bowel Disease ^[1] .
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REFERENCES

[1]. Leonard KA, Madge LA, Krawczuk PJ, Wang A, Kreutter KD, Bacani GM, Chai W, Smith RC, Tichenor MS, Harris MC, Malaviya R, Seierstad M, Johnson ME, Venable JD, Kim S, Hirst GC, Mathur AS, Rao TS, Edwards JP, Rizzolio MC, Koudriakova T. Discovery of a Gut-Re

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

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