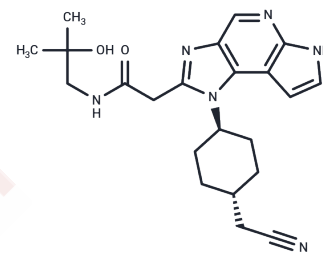


Lorpicitinib

Chemical Properties

CAS No. :	2230282-02-5
Formula:	C22H28N6O2
Molecular Weight:	408.5
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Lorpicitinib (JNJ-64251330) is an orally available, selective and potent JAK kinase inhibitor for the study of inflammatory and gastrointestinal disorders associated with Janus kinase (JAK) signaling.
Targets(IC50)	STAT,JAK

Solubility Information

Solubility	DMSO: 100 mg/mL (244.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (9.79 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.448 mL	12.2399 mL	24.4798 mL
5 mM	0.4896 mL	2.448 mL	4.896 mL
10 mM	0.2448 mL	1.224 mL	2.448 mL
50 mM	0.049 mL	0.2448 mL	0.4896 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Leonard KA, et al. Discovery of a Gut-Restricted JAK Inhibitor for the Treatment of Inflammatory Bowel Disease. J Med Chem. 2020 Mar 26;63(6):2915-2929.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481