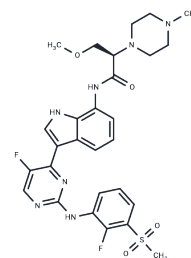


## Londamocitinib

## Chemical Properties

CAS No. :	2241039-81-4
Formula:	C <sub>28</sub> H <sub>31</sub> F <sub>2</sub> N <sub>7</sub> O <sub>4</sub> S
Molecular Weight:	599.65
Storage:	Store at low temperature 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	Londamocitinib (JAK1-IN-7) is a selective and potent JAK1 inhibitor with anti-inflammatory activity.
Targets(IC50)	JAK

## Solubility Information

Solubility	DMSO: 160 mg/mL (266.82 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: 10 mg/mL (16.68 mM), Solution. 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (5.5 mM), Sonication is recommended. 10% DMSO+90% Saline: $< 10$ mg/mL (16.68 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.6676 mL	8.3382 mL	16.6764 mL
5 mM	0.3335 mL	1.6676 mL	3.3353 mL
10 mM	0.1668 mL	0.8338 mL	1.6676 mL
50 mM	0.0334 mL	0.1668 mL	0.3335 mL

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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

NILSSON, Karl, Magnus, et al. Jak1 selective inhibitors. WO2018134213A1.

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