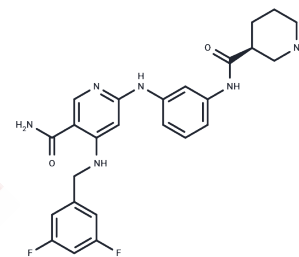


## Nimucitinib

## Chemical Properties

CAS No. :	2740557-24-6
Formula:	C <sub>25</sub> H <sub>26</sub> F <sub>2</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	480.51
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Nimucitinib is a Janus kinase (JAK) inhibitor that can be used to treat dry eye and promote tear production.
Targets(IC50)	JAK

## Solubility Information

Solubility	DMSO: 55 mg/mL (114.46 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0811 mL	10.4056 mL	20.8112 mL
5 mM	0.4162 mL	2.0811 mL	4.1622 mL
10 mM	0.2081 mL	1.0406 mL	2.0811 mL
50 mM	0.0416 mL	0.2081 mL	0.4162 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

Kaneko, et al. Preparation of novel nicotinamide compound for treating dry eye. WO2023100918A1.

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