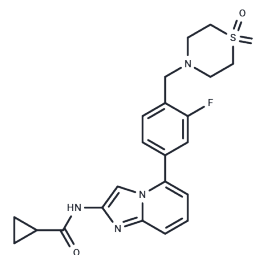


JAK1-IN-8

Chemical Properties

CAS No. :	1973485-18-5
Formula:	C ₂₂ H ₂₃ FN ₄ O ₃ S
Molecular Weight:	442.51
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	JAK1-IN-8, a specific inhibitor of Janus kinase 1 (JAK1, IC ₅₀ <500 nM).
Targets(IC ₅₀)	JAK

Solubility Information

Solubility	DMSO: 112.5 mg/mL (254.23 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 (9.04 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	2.2598 mL	11.2992 mL	22.5984 mL
5 mM	0.452 mL	2.2598 mL	4.5197 mL
10 mM	0.226 mL	1.1299 mL	2.2598 mL
50 mM	0.0452 mL	0.226 mL	0.452 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

Jin Li, et al. Composés d'imidazo[1,2-a]pyridin-2-ylamine substitués, compositions pharmaceutiques et leurs méthodes d'utilisation. Patent WO2016119700A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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