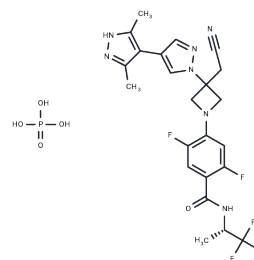


Povorcitinib phosphate

Chemical Properties

CAS No. :	1637677-33-8
Formula:	C ₂₃ H ₂₅ F ₅ N ₇ O ₅ P
Molecular Weight:	605.45
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	Povorcitinib phosphate is a selective JAK1 inhibitor and can be used in studies about the treatment of cutaneous lupus erythematosus and Lichen planus.
Targets(IC50)	JAK

Solubility Information

Solubility	DMSO: 6.06 mg/mL (10.01 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: 1 mg/mL (1.65 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	1.6517 mL	8.2583 mL	16.5166 mL
5 mM	0.3303 mL	1.6517 mL	3.3033 mL
10 mM	0.1652 mL	0.8258 mL	1.6517 mL
50 mM	0.033 mL	0.1652 mL	0.3303 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

Paul Smith, et al. Use of jak1 inhibitors for the treatment of cutaneous lupus erythematosus and lichen planus (lp). WO2021076124A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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