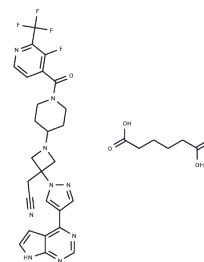


## Itacitinib adipate

## Chemical Properties

CAS No. :	1334302-63-4
Formula:	C32H33F4N9O5
Molecular Weight:	699.66
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	Itacitinib adipate is an orally bioavailable and selective JAK1 inhibitor, tested for efficacy and safety in a phase II trial in myelofibrosis.
Targets(IC50)	JAK,Phosphatase

## Solubility Information

Solubility	DMSO: 137.5 mg/mL (196.52 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: 3.3 mg/mL (4.72 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	1.4293 mL	7.1463 mL	14.2927 mL
5 mM	0.2859 mL	1.4293 mL	2.8585 mL
10 mM	0.1429 mL	0.7146 mL	1.4293 mL
50 mM	0.0286 mL	0.1429 mL	0.2859 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

Griesshammer M, et al. The BCR-ABL1-negative myeloproliferative neoplasms: a review of JAK inhibitors in the therapeutic armamentarium. Expert Opin Pharmacother. 2017 Dec;18(18):1929-1938.

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