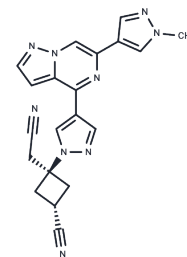


Ropsacitinib

Chemical Properties

CAS No. :	2127109-84-4
Formula:	C ₂₀ H ₁₇ N ₉
Molecular Weight:	383.41
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	Ropsacitinib (PF-06826647) is a selective TYK2 inhibitor, which binds to TYK2 catalytically active JH1 domain (IC ₅₀ : 17 nM).
Targets(IC ₅₀)	Tyrosine Kinases
In vitro	Ropsacitinib suppresses JAK1 (IC ₅₀ =74 nM) and JAK2 (IC ₅₀ =383 nM) [1].

Solubility Information

Solubility	DMSO: 10 mg/mL (26.08 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	2.6082 mL	13.0409 mL	26.0817 mL
5 mM	0.5216 mL	2.6082 mL	5.2163 mL
10 mM	0.2608 mL	1.3041 mL	2.6082 mL
50 mM	0.0522 mL	0.2608 mL	0.5216 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

Wroblewski ST, et al. Highly Selective Inhibition of Tyrosine Kinase 2 (TYK2) for the Treatment of Autoimmune Diseases: Discovery of the Allosteric Inhibitor BMS-986165. J Med Chem. 2019 Jul 18.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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