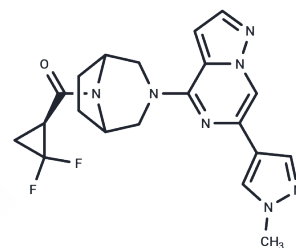


JAK-IN-27

Chemical Properties

CAS No. :	2673176-36-6
Formula:	C ₂₀ H ₂₁ F ₂ N ₇ O
Molecular Weight:	413.42
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	JAK-IN-27, also known as compound 1, is an orally active, potent inhibitor of the JAKS family kinases, displaying inhibitory concentrations (IC ₅₀ s) of 3.0 nM for TYK2, 7.7 nM for JAK1, and 629.6 nM for JAK3. Moreover, JAK-IN-27 impedes IFN- α 2B-induced phosphorylation of STAT3 in Jurkat cells with an IC ₅₀ of 23.7 nM [1].
Targets(IC ₅₀)	JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4188 mL	12.0942 mL	24.1885 mL
5 mM	0.4838 mL	2.4188 mL	4.8377 mL
10 mM	0.2419 mL	1.2094 mL	2.4188 mL
50 mM	0.0484 mL	0.2419 mL	0.4838 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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