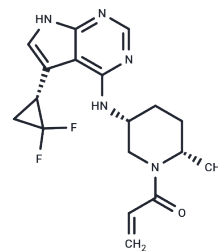


Modzatinib

Chemical Properties

CAS No. :	2411407-25-3
Formula:	C ₁₈ H ₂₁ F ₂ N ₅ O
Molecular Weight:	361.39
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	Modzatinib (ITKkinase-IN-1) (compound I) is an inhibitor targeting ITK kinase with an IC ₅₀ of 8 nM in Jurkat cells, useful for researching inflammatory diseases. In hPBMC cells, it inhibits JAK3 with an IC ₅₀ of 23 nM (based on IL-2/pSTAT5 levels) and shows no inhibitory effect on JAK2.
Targets(IC ₅₀)	JAK, Tyrosine Kinases

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7671 mL	13.8355 mL	27.6709 mL
5 mM	0.5534 mL	2.7671 mL	5.5342 mL
10 mM	0.2767 mL	1.3835 mL	2.7671 mL
50 mM	0.0553 mL	0.2767 mL	0.5534 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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