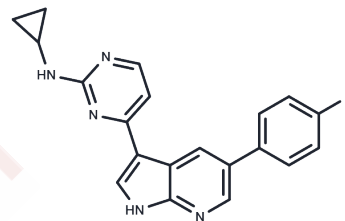


MJ04

Chemical Properties

CAS No. : 2099014-23-8
 Formula: C₂₀H₁₆FN₅
 Molecular Weight: 345.37
 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	MJ04 is a selective inhibitor of Janus Kinase 3 (JAK3) with an IC ₅₀ of 2.03 nM. It hinders T cell differentiation and suppresses pro-inflammatory cytokines in macrophages induced by Lipopolysaccharides. In mice, MJ04 exhibits favorable pharmacokinetic properties and promotes hair growth in a DHT-induced alopecia model in athymic mice, without notable toxicity (LD ₅₀ >2 g/kg).
Targets(IC ₅₀)	EGFR,GSK-3,IGF-1R,JAK,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8954 mL	14.4772 mL	28.9545 mL
5 mM	0.5791 mL	2.8954 mL	5.7909 mL
10 mM	0.2895 mL	1.4477 mL	2.8954 mL
50 mM	0.0579 mL	0.2895 mL	0.5791 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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