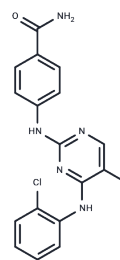


AJI-214

Chemical Properties

CAS No. : 1395886-20-0
 Formula: C₁₇H₁₃ClFN₅O
 Molecular Weight: 357.77
 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	AJI-214 functions as a dual-target inhibitor that specifically blocks Aurora kinase A and JAK2. By directly inhibiting Aurora kinase A, AJI-214 prevents mitotic progression and cell polarity in T cells while concurrently suppressing JAK2 activation to reduce STAT3 phosphorylation. This inhibition decreases the differentiation of TH1 and TH17 cells. AJI-214 is utilized in research focused on the modulation of immune responses and the prevention of graft-versus-host disease (GVHD).
Targets(IC50)	STAT,Aurora Kinase,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7951 mL	13.9755 mL	27.9509 mL
5 mM	0.559 mL	2.7951 mL	5.5902 mL
10 mM	0.2795 mL	1.3975 mL	2.7951 mL
50 mM	0.0559 mL	0.2795 mL	0.559 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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