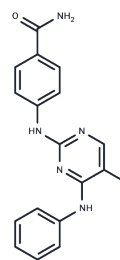


AJI-100

## Chemical Properties

CAS No. : 844435-10-5  
 Formula: C17H14FN5O  
 Molecular Weight: 323.32  
 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-100 serves as a dual-target inhibitor, effectively blocking Aurora kinase A and JAK2, with respective IC50 values of 12.7 nM and 18.5 nM. It inhibits T cell mitosis and cell polarity by directly targeting Aurora kinase A and reduces STAT3 phosphorylation by inhibiting JAK2 activation, consequently diminishing the differentiation of TH1 and TH17 cells. This compound is utilized in researching immune response regulation and the prevention of graft-versus-host disease (GVHD).
Targets(IC50)	STAT,Aurora Kinase,JAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0929 mL	15.4646 mL	30.9291 mL
5 mM	0.6186 mL	3.0929 mL	6.1858 mL
10 mM	0.3093 mL	1.5465 mL	3.0929 mL
50 mM	0.0619 mL	0.3093 mL	0.6186 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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