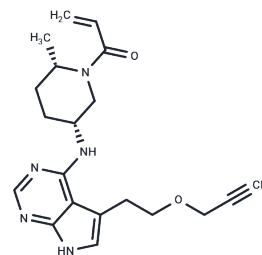


JAK-IN-24

## Chemical Properties

CAS No. : 2042629-43-4  
 Formula: C<sub>20</sub>H<sub>25</sub>N<sub>5</sub>O<sub>2</sub>  
 Molecular Weight: 367.44  
 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-24, a JAK inhibitor, exhibits IC <sub>50</sub> values of 0.534 nM and 24 nM in the presence of 4 μM and 1 mM ATP, respectively. Additionally, it effectively inhibits STAT5 phosphorylation induced by PBMC IL-15 with an IC <sub>50</sub> of 86.171 nM.
Targets(IC <sub>50</sub> )	Others,JAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7215 mL	13.6077 mL	27.2153 mL
5 mM	0.5443 mL	2.7215 mL	5.4431 mL
10 mM	0.2722 mL	1.3608 mL	2.7215 mL
50 mM	0.0544 mL	0.2722 mL	0.5443 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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