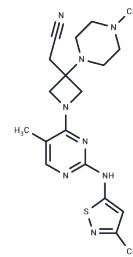


JAK-IN-30

## Chemical Properties

CAS No. : 2891469-99-9  
 Formula: C<sub>19</sub>H<sub>26</sub>N<sub>8</sub>S  
 Molecular Weight: 398.53  
 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-30 (compound 31) is a water-soluble Janus kinase (JAK) inhibitor with IC <sub>50</sub> values of 2 nM for JAK2, 15 nM for JAK1, 18 nM for JAK3, and 2 nM for TYK2, identified for its research potential in treating dry eye disease (DED) [1].
Targets(IC <sub>50</sub> )	JAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5092 mL	12.5461 mL	25.0922 mL
5 mM	0.5018 mL	2.5092 mL	5.0184 mL
10 mM	0.2509 mL	1.2546 mL	2.5092 mL
50 mM	0.0502 mL	0.2509 mL	0.5018 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

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