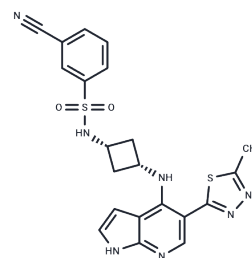


JAK-IN-31

Chemical Properties

CAS No. : 2597016-88-9
 Formula: C₂₁H₁₉N₇O₂S₂
 Molecular Weight: 465.55
 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-31 (Example 75), a JAK inhibitor, demonstrates IC ₅₀ values of ≤0.01 μM for JAK1, ≤0.01 μM for JAK2, 0.01-0.1 μM for JAK3, and ≤0.01 μM for Tyk2, indicating potent activity across these targets. It is utilized in cancer research [1].
Targets(IC ₅₀)	JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.148 mL	10.740 mL	21.480 mL
5 mM	0.4296 mL	2.148 mL	4.296 mL
10 mM	0.2148 mL	1.074 mL	2.148 mL
50 mM	0.043 mL	0.2148 mL	0.4296 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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