

JAK-IN-25

Chemical Properties

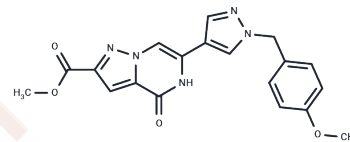
CAS No. : 2127110-22-7

Formula: C₁₉H₁₇N₅O₄

Molecular Weight: 379.37

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-25 (compound 19), a potent JAK inhibitor, exhibits IC ₅₀ values of 6 nM for TYK2, 21 nM for JAK1, 8 nM for JAK2, and 1051 nM for JAK3. It also demonstrates an IC ₅₀ of 28 nM against human whole blood IL-12 (HEB IL-12) and holds potential for cancer research [1].
Targets(IC ₅₀)	JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6359 mL	13.1797 mL	26.3595 mL
5 mM	0.5272 mL	2.6359 mL	5.2719 mL
10 mM	0.2636 mL	1.318 mL	2.6359 mL
50 mM	0.0527 mL	0.2636 mL	0.5272 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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