

JAK1-IN-13

## Chemical Properties

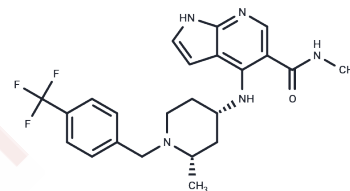
CAS No. : 2778330-90-6

Formula: C<sub>23</sub>H<sub>26</sub>F<sub>3</sub>N<sub>5</sub>O

Molecular Weight: 445.48

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	JAK1-IN-13 (compound 36b) functions as an orally active, potent, and highly selective JAK1 inhibitor, exhibiting an IC <sub>50</sub> of 0.044 nM. It effectively reduces STAT3 phosphorylation [1].
Targets(IC <sub>50</sub> )	JAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2448 mL	11.2238 mL	22.4477 mL
5 mM	0.449 mL	2.2448 mL	4.4895 mL
10 mM	0.2245 mL	1.1224 mL	2.2448 mL
50 mM	0.0449 mL	0.2245 mL	0.449 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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