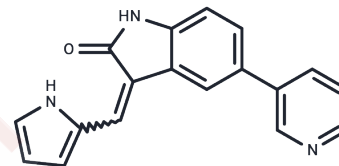


JAK3-IN-14

## Chemical Properties

CAS No. : 454234-24-3  
 Formula: C<sub>18</sub>H<sub>13</sub>N<sub>3</sub>O  
 Molecular Weight: 287.32  
 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	JAK3-IN-14 is a potent, selective and orally active FLT3 inhibitor, with IC <sub>50</sub> s of 40, 8, and 4 nM for FLT3-WT, FLT3-D835Y, and FLT3-D835H, respectively.
Targets(IC <sub>50</sub> )	FLT,JAK

## Solubility Information

Solubility	DMSO: 50 mg/mL (174.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4804 mL	17.4022 mL	34.8044 mL
5 mM	0.6961 mL	3.4804 mL	6.9609 mL
10 mM	0.348 mL	1.7402 mL	3.4804 mL
50 mM	0.0696 mL	0.348 mL	0.6961 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.

## Reference

Chen Y, et, al. Identification of an orally available compound with potent and broad FLT3 inhibition activity. *Oncogene*. 2016 Jun 9;35(23):2971-8.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481