

JAK2-IN-18

Chemical Properties

CAS No. :	3108318-77-7
Formula:	C37H36N8O4
Molecular Weight:	656.75
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	JAK2-IN-18 (Compound example1) is a selective JAK2 inhibitor. It effectively inhibits the JAK-STAT signaling pathway, with an IC50 value of less than 100 nM for pSTAT5 in HEL9217 cells. JAK2-IN-18 suppresses the proliferation of abnormally proliferating myeloid cells and is useful in research on myeloproliferative disorders, such as essential thrombocythemia.
Targets(IC50)	STAT,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5226 mL	7.6132 mL	15.2265 mL
5 mM	0.3045 mL	1.5226 mL	3.0453 mL
10 mM	0.1523 mL	0.7613 mL	1.5226 mL
50 mM	0.0305 mL	0.1523 mL	0.3045 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

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