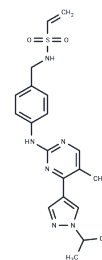


JAK2-IN-9

Chemical Properties

CAS No. : 2568842-26-0
 Formula: C₂₀H₂₄N₆O₂S
 Molecular Weight: 412.51
 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	Compound A8, known as JAK2-IN-9, is a selective JAK2 inhibitor with an IC ₅₀ of 5 nM. It effectively inhibits the phosphorylation of JAK2, STAT3, and STAT5, possesses metabolic stabilities, and induces apoptosis. This compound is utilized in the study of myeloproliferative neoplasms (MPNs) [1].
Targets(IC ₅₀)	JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4242 mL	12.1209 mL	24.2418 mL
5 mM	0.4848 mL	2.4242 mL	4.8484 mL
10 mM	0.2424 mL	1.2121 mL	2.4242 mL
50 mM	0.0485 mL	0.2424 mL	0.4848 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