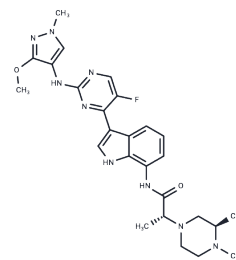


JAK1-IN-4

Chemical Properties

CAS No. :	2091134-35-7
Formula:	C ₂₆ H ₃₂ FN ₉ O ₂
Molecular Weight:	521.59
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-4 is a selective JAK1 inhibitor (IC ₅₀ s: 85 nM, 12.8 μM and >30 μM for JAK1, JAK2, and JAK3, respectively). JAK1-IN-4 inhibits STAT3 phosphorylation in NCI-H 1975 cells (IC ₅₀ , 227 nM).
Targets(IC ₅₀)	JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9172 mL	9.5861 mL	19.1721 mL
5 mM	0.3834 mL	1.9172 mL	3.8344 mL
10 mM	0.1917 mL	0.9586 mL	1.9172 mL
50 mM	0.0383 mL	0.1917 mL	0.3834 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

Annika Birgitta Margareta ÅSTRAND, et al. Compounds and methods for inhibiting jak.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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