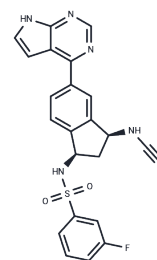


JAK3 covalent inhibitor-1

Chemical Properties

CAS No. :	2300106-50-5
Formula:	C ₂₂ H ₁₇ FN ₆ O ₂ S
Molecular Weight:	448.47
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 Covalent Inhibitor-1 is a compound characterized by its potent and selective inhibition of Janus kinase 3 (JAK3), possessing an IC ₅₀ of 11 nM and demonstrating a 246-fold selectivity compared to other JAKs.
Targets(IC ₅₀)	JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2298 mL	11.149 mL	22.298 mL
5 mM	0.446 mL	2.2298 mL	4.4596 mL
10 mM	0.223 mL	1.1149 mL	2.2298 mL
50 mM	0.0446 mL	0.223 mL	0.446 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

Casimiro-Garcia A, et al. Identification of Cyanamide-Based Janus Kinase 3 (JAK3) Covalent Inhibitors. J Med Chem. 2018 Dec 13;61(23):10665-10699.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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