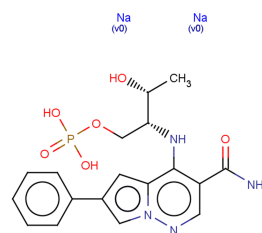


JAK-IN-4

Chemical Properties

CAS No. :	1400877-37-3
Formula:	C ₁₈ H ₂₁ N ₄ Na ₂ O ₆ P
Molecular Weight:	466.341
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	JAK-IN-4 is a prodrug of a JAK inhibitor, effective in murine collagen induced arthritis model.
Targets(IC50)	Others,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1444 mL	10.7218 mL	21.4436 mL
5 mM	0.4289 mL	2.1444 mL	4.2887 mL
10 mM	0.2144 mL	1.0722 mL	2.1444 mL
50 mM	0.0429 mL	0.2144 mL	0.4289 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

Spergel SH, et al. Discovery of a JAK1/3 Inhibitor and Use of a Prodrug To Demonstrate Efficacy in a Model of Rheumatoid Arthritis. ACS Med Chem Lett. 2019 Feb 13;10(3):306-311.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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