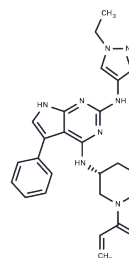


JAK3/BTK-IN-1

Chemical Properties

CAS No. :	2674036-91-8
Formula:	C ₂₅ H ₂₈ N ₈ O
Molecular Weight:	456.54
Storage:	Store at low temperature 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	JAK3/ BTK-in-1 is a dual JAK3/BTK inhibitor that specifically targets and inhibits Janus kinase 3 (JAK3) and Bruton's tyrosine kinase (BTK), two important targets in autoimmune diseases. JAK3/ BTK-in-1 simultaneously inhibited the BTK/JAK3 signaling pathway, showing a synergistic effect. JAK3/ BTK-in-1 is a potential compound for the treatment of immune-related diseases, such as autoimmune diseases, certain types of cancer (including lymphoma and leukemia), and other diseases that may be characterized by an unbalanced immune response.
Targets(IC50)	BTK,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1904 mL	10.9519 mL	21.9039 mL
5 mM	0.4381 mL	2.1904 mL	4.3808 mL
10 mM	0.219 mL	1.0952 mL	2.1904 mL
50 mM	0.0438 mL	0.219 mL	0.4381 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

Guobao Zhang, et al. Pyrimidopyrroles. Patent WO2021147952A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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