

JAK1/STAT3-IN-1

Chemical Properties

CAS No. :

Formula: C30H33FN4O3S

Molecular Weight: 548.67

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/STAT3-IN-1 (compound 4f) functions as an anti-atopic dermatitis (AD) agent by inhibiting the JAK1/STAT3 signaling pathway. It has an IC50 value of 2.17 μ M for inhibiting NO production. Additionally, JAK1/STAT3-IN-1 improves skin conditions in AD-like mice by reducing inflammatory infiltration, suppressing the expression of p-JAK1/JAK1 and p-STAT3/STAT3, and alleviating the hyperimmune response induced by MC903 (Calcipotriol).
Targets(IC50)	STAT,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8226 mL	9.1129 mL	18.2259 mL
5 mM	0.3645 mL	1.8226 mL	3.6452 mL
10 mM	0.1823 mL	0.9113 mL	1.8226 mL
50 mM	0.0365 mL	0.1823 mL	0.3645 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

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