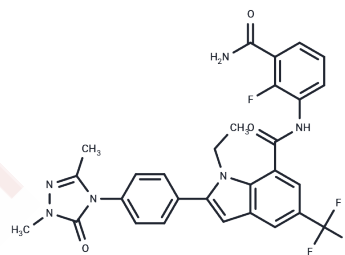


STAT6-IN-8

Chemical Properties

CAS No. :	3033741-50-0
Formula:	C ₂₉ H ₂₄ N ₆ O ₃ F ₄
Molecular Weight:	580.53
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	STAT6-IN-8 is a highly selective STAT6 inhibitor (IC ₅₀ =0.25 μM) that exerts potent anti-inflammatory and anti-allergic effects by blocking STAT6's DNA-binding activity and its dimerization process. STAT6-IN-8 can be used in research on STAT6-related diseases such as atopic dermatitis, bronchial asthma, and allergic rhinitis.
Targets(IC ₅₀)	STAT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7226 mL	8.6128 mL	17.2256 mL
5 mM	0.3445 mL	1.7226 mL	3.4451 mL
10 mM	0.1723 mL	0.8613 mL	1.7226 mL
50 mM	0.0345 mL	0.1723 mL	0.3445 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

Sumikawa, Y., et al. Fused Ring Compound and Pharmaceutical Containing Same. WO 2024/071439 A1. World Intellectual Property Organization (WIPO). 2024-04-04.

Zhou L, et al. STAT6 phosphorylation inhibitors block eotaxin-3 secretion in bronchial epithelial cells. Bioorg Med Chem. 2012;20(2):750-758.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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