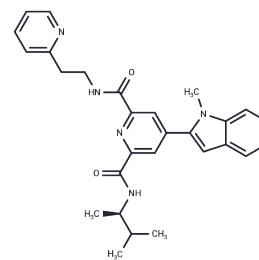


STAT6-IN-2

Chemical Properties

CAS No. :	1355594-85-2
Formula:	C ₂₈ H ₃₁ N ₅ O ₂
Molecular Weight:	469.58
Storage:	Keep away from direct sunlight, 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	STAT6-IN-2 (Comp R-84) is a STAT6 inhibitor that effectively reduces the secretion of the chemokine eotaxin-3, which induces eosinophil infiltration. This compound is valuable for studying immune diseases [1].
Targets(IC50)	STAT

Solubility Information

Solubility	DMSO: 80 mg/mL (170.37 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.03 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1296 mL	10.6478 mL	21.2956 mL
5 mM	0.4259 mL	2.1296 mL	4.2591 mL
10 mM	0.213 mL	1.0648 mL	2.1296 mL
50 mM	0.0426 mL	0.213 mL	0.4259 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

STAT6 phosphorylation inhibitors block eotaxin-3 secretion in bronchial epithelial cells. Bioorg Med Chem. 2012 Jan 15;20(2):750-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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