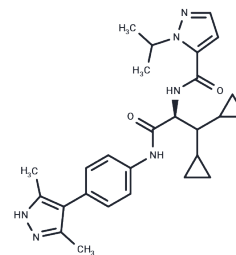


IL-17 modulator 4

Chemical Properties

CAS No. :	2446803-65-0
Formula:	C ₂₇ H ₃₄ N ₆ O ₂
Molecular Weight:	474.6
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	IL-17 modulator 4 is a prodrug of IL-17 modulator 1, which acts as a potent modulator of IL-17.
Targets(IC50)	Interleukin

Solubility Information

Solubility	DMSO: 165 mg/mL (347.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (21.07 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (21.07 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.107 mL	10.5352 mL	21.0704 mL
5 mM	0.4214 mL	2.107 mL	4.2141 mL
10 mM	0.2107 mL	1.0535 mL	2.107 mL
50 mM	0.0421 mL	0.2107 mL	0.4214 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

Andrews MD, et al. Discovery of an Oral, Rule of 5 Compliant, Interleukin 17A Protein-Protein Interaction Modulator for the Potential Treatment of Psoriasis and Other Inflammatory Diseases. J Med Chem. 2022 Jul 14;65(13):8828-8842.

Kevin Neil Dack, et al. Amino-acid anilides as small molecule modulators of il-17. WO2020127685A1.

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