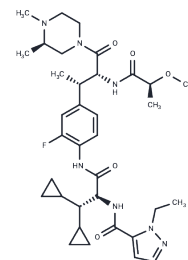


Simepdekinra

Chemical Properties

CAS No. :	2978700-29-5
Formula:	C35H50FN7O5
Molecular Weight:	667.81
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Simepdekinra (Compound 221) is a potent IL-17A modulator with IC ₅₀ values ≤10 nM for IL-17A/A HEK-Blue cells and 10–100 nM for IL-17A/F HEK-Blue cells, suitable for studying psoriasis, ankylosing spondylitis, and psoriatic arthritis.
Targets(IC50)	IL Receptor

Solubility Information

Solubility	DMSO: 200 mg/mL (299.49 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: 20 mg/mL (29.95 mM), Solution. <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	1.4974 mL	7.4872 mL	14.9743 mL
5 mM	0.2995 mL	1.4974 mL	2.9949 mL
10 mM	0.1497 mL	0.7487 mL	1.4974 mL
50 mM	0.0299 mL	0.1497 mL	0.2995 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

Church T J, et al. Di-cyclopropyl based il-17a modulators and uses thereof. WO2023164057A1. 2023-08-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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