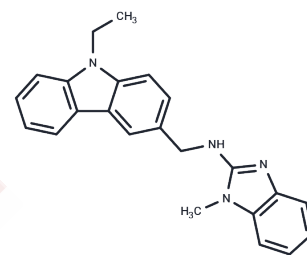


AJ2-30

Chemical Properties

CAS No. :	2700322-79-6
Formula:	C ₂₃ H ₂₂ N ₄
Molecular Weight:	354.45
Storage:	Store at low temperature 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	AJ2-30 is an SLC15A4 inhibitor that inhibits TLR9-mediated B cell activation and inhibits MDP transporter. AJ2-30 inhibits endogenous NOD signaling in human and mouse macrophages. AJ2-30 can be used for the study of inflammation.
Targets(IC50)	Others, NOD-like Receptor (NLR), mTOR

Solubility Information

Solubility	DMSO: 50 mg/mL (141.06 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: 5 mg/mL (14.11 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	2.8213 mL	14.1064 mL	28.2127 mL
5 mM	0.5643 mL	2.8213 mL	5.6425 mL
10 mM	0.2821 mL	1.4106 mL	2.8213 mL
50 mM	0.0564 mL	0.2821 mL	0.5643 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

Daniel Lazar, et al. Small molecule inhibitors of scl15a4 with anti-inflammatory activity. WO2021174023.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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