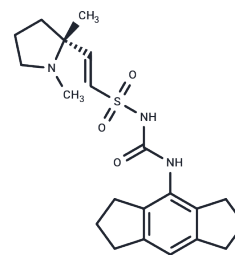


Usnoflast

Chemical Properties

CAS No. :	2455519-86-3
Formula:	C ₂₁ H ₂₉ N ₃ O ₃ S
Molecular Weight:	403.54
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	Usnoflast (ZYIL1) is an orally active and selective NLRP3 inhibitor, which suppresses NLRP3 inflammasome activation. It can be used in research on neurological diseases.
Targets(IC50)	NOD-like Receptor (NLR),NOD

Solubility Information

Solubility	DMSO: 50 mg/mL (123.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4781 mL	12.3903 mL	24.7807 mL
5 mM	0.4956 mL	2.4781 mL	4.9561 mL
10 mM	0.2478 mL	1.239 mL	2.4781 mL
50 mM	0.0496 mL	0.2478 mL	0.4956 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

Sharma, et al. Novel substituted sulfonyleurea derivatives as NLRP3 modulators and their preparation. WO2020148619 A1.

Toldo S, et al. The role of the NLRP3 inflammasome and pyroptosis in cardiovascular diseases. Nat Rev Cardiol. 2024 Apr;21(4):219-237.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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