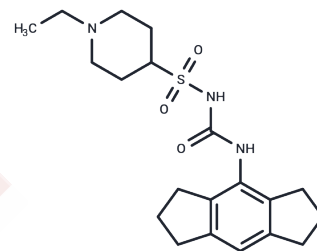


Selnoflast

Chemical Properties

CAS No. :	2260969-36-4
Formula:	C ₂₀ H ₂₉ N ₃ O ₃ S
Molecular Weight:	391.53
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	Selnoflast (example 6) is a NLRP3 inhibitor[1].
Targets(IC50)	NOD-like Receptor (NLR),NOD,Interleukin

Solubility Information

Solubility	DMSO: 2 mg/mL (5.11 mM),Sonication is recommended. NaOH: 2 mg/mL (5.11 mM),when pH is adjusted to 12 with 1 M NaOH. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5541 mL	12.7704 mL	25.5408 mL
5 mM	0.5108 mL	2.5541 mL	5.1082 mL
10 mM	0.2554 mL	1.277 mL	2.5541 mL
50 mM	0.0511 mL	0.2554 mL	0.5108 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

Klughammer B, et al. A randomized, double-blind phase 1b study evaluating the safety, tolerability, pharmacokinetics and pharmacodynamics of the NLRP3 inhibitor selnoflast in patients with moderate to severe active ulcerative colitis. Clin Transl Med. 2023 Nov;13(11):e1471.

Vande Walle L, et al. Drugging the NLRP3 inflammasome: from signalling mechanisms to therapeutic targets. Nat Rev Drug Discov. 2023 Nov 29.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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