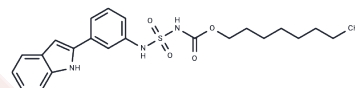


ALOX15-IN-2

Chemical Properties

CAS No. :	2764818-23-5
Formula:	C ₂₃ H ₂₉ N ₃ O ₄ S
Molecular Weight:	443.56
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	ALOX15-IN-2 is a potent inhibitor of ALOX15 linoleate oxygenase activity, inhibiting the oxidation of linoleic acid (LA) and arachidonic acid (AA), the immediate homologs of ALOX15, with IC ₅₀ s of 1.55 and 2.79 μM, respectively.
Targets(IC ₅₀)	Lipoxygenase

Solubility Information

Solubility	DMSO: 90 mg/mL (202.9 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	2.2545 mL	11.2724 mL	22.5449 mL
5 mM	0.4509 mL	2.2545 mL	4.509 mL
10 mM	0.2254 mL	1.1272 mL	2.2545 mL
50 mM	0.0451 mL	0.2254 mL	0.4509 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

Golovanov A, et al. N-Substituted 5-(1H-Indol-2-yl)-2-methoxyanilines Are Allosteric Inhibitors of the Linoleate Oxygenase Activity of Selected Mammalian ALOX15 Orthologs: Mechanism of Action. J Med Chem. 2022;65(3): 1979-1995.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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