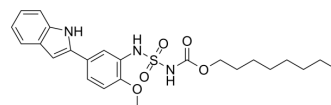


ALOX15-IN-1

Cat. No.:	HY-143787		
CAS No.:	2764818-24-6		
Molecular Formula:	C ₂₄ H ₃₁ N ₃ O ₅ S		
Molecular Weight:	473.59		
Target:	Lipoxygenase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (211.15 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1115 mL	10.5577 mL	21.1153 mL
	5 mM	0.4223 mL	2.1115 mL	4.2231 mL
	10 mM	0.2112 mL	1.0558 mL	2.1115 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ALOX15-IN-1 (compound 8b) is a potent inhibitor of the linoleate oxygenase activity of rabbit and human ALOX15 with IC₅₀s of 0.04 and 2.06 μM for ALOX15 orthologs linoleic acid (LA) and arachidonic acid (AA), respectively^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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