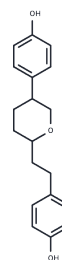


ALR-27

Chemical Properties

CAS No. : 903639-13-4
 Formula: C₁₉H₂₂O₃
 Molecular Weight: 298.38
 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	ALR-27 serves as an antagonist of the 5-lipoxygenase (5-LOX) activating protein FLAP and exhibits anti-inflammatory properties. It effectively inhibits 5-LOX product formation (>80%) in pro-inflammatory M1-MDM without significantly inhibiting 5-LOX directly. Additionally, ALR-27 decreases prostaglandin and leukotriene (LT) production in neutrophils and enhances the production of specialized prolytic mediators in certain human macrophage phenotypes [1].
Targets(IC50)	FLAP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3514 mL	16.7572 mL	33.5143 mL
5 mM	0.6703 mL	3.3514 mL	6.7029 mL
10 mM	0.3351 mL	1.6757 mL	3.3514 mL
50 mM	0.067 mL	0.3351 mL	0.6703 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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