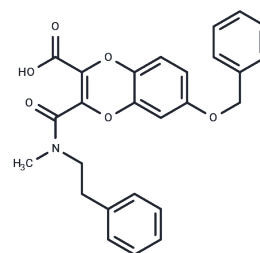


LTB4 antagonist 2

Chemical Properties

CAS No. :	2929239-85-8
Formula:	C ₂₆ H ₂₃ NO ₆
Molecular Weight:	445.46
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	LTB4 antagonist 2, a carboxamide-acid compound, serves as an antagonist to leukotriene B4 (LTB4) with potential anti-inflammatory properties, exhibiting high affinity for the LTB4 receptor and an inhibitory concentration (IC ₅₀) of 439 nM [1].
Targets(IC ₅₀)	Leukotriene Receptor
In vitro	LTB4 antagonist 2 (compound 24c), at concentrations of 0.1 μM and 10 μM, exhibits a specific binding inhibition of LTB4, achieving inhibition rates of 25% and 95%, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2449 mL	11.2244 mL	22.4487 mL
5 mM	0.449 mL	2.2449 mL	4.4897 mL
10 mM	0.2245 mL	1.1224 mL	2.2449 mL
50 mM	0.0449 mL	0.2245 mL	0.449 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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