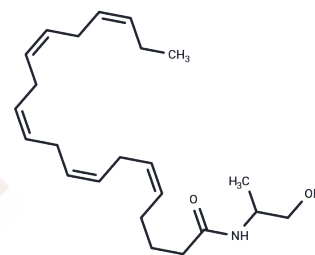


Eicosapentaenoyl 1-propanol-2-amide

Chemical Properties

CAS No. :	1638355-66-4
Formula:	C23H37NO2
Molecular Weight:	359.554
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	Monoacylglycerols (MAGs) of ω -3 polyunsaturated fatty acids have diverse physiological and health effects. In particular, MAGs containing docosahexaenoic acid or eicosapentaenoic acid have anti-proliferative properties against colon and lung cancer cell lines. Eicosapentaenoyl 1-propanol-2-amide is an EPA-containing MAG amide analog that inhibits the growth of human lung carcinoma A549 cells, producing 98.4% growth inhibition when applied at 3 μ M. It is an analog of eicosapentaenoyl ethanolamide, a natural N-acylethanolamide that impacts aging and inflammation.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol:PBS (pH 7.2)(1:2): 0.3 mg/mL (0.83 mM),Sonication is recommended. DMSO: 30 mg/mL (83.44 mM),Sonication is recommended. Ethanol: 30 mg/mL (83.44 mM),Sonication is recommended. DMF: 30 mg/mL (83.44 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	2.7813 mL	13.9063 mL	27.8125 mL
5 mM	0.5563 mL	2.7813 mL	5.5625 mL
10 mM	0.2781 mL	1.3906 mL	2.7813 mL
50 mM	0.0556 mL	0.2781 mL	0.5563 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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