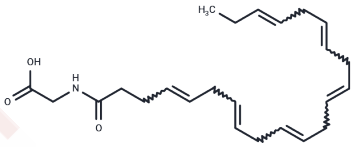
Data Sheet (Cat.No.T37532)

TargetMol

Docosahexaenoyl Glycine

Chemical Properties



CAS No. : 132850-40-9

Formula: C24H35NO3

Molecular Weight: 385.54

Storage: Keep away from moisture
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	The ω-3 polyunsaturated fatty acids (PUFAs) found in fish oils provide cardiovascular benefits. Docosahexaenoic acid (DHA), a C22:6 PUFA, is the most abundant ω-3 fatty acid in neural tissues, especially in the retina and brain. It can be synthesized from other dietary ω-3 PUFAs or taken as a nutritional supplement. Docosahexaenoyl glycine consists of DHA with glycine attached at its carboxy terminus.
Targets(IC50)	Endogenous Metabolite,Potassium Channel

Solubility Information

Solubility	DMSO: 15 mg/mL (38.91 mM),Sonication is recommended. Ethanol: 25 mg/mL (64.84 mM),Sonication is recommended. DMF: 20 mg/mL (51.88 mM),Sonication is recommended. PBS (pH 7.2): 2 mg/mL (5.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5938 mL	12.9688 mL	25.9376 mL
5 mM	0.5188 mL	2.5938 mL	5.1875 mL
10 mM	0.2594 mL	1.2969 mL	2.5938 mL
50 mM	0.0519 mL	0.2594 mL	0.5188 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.

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