

Monogalactosyldiacylglycerol

Chemical Properties

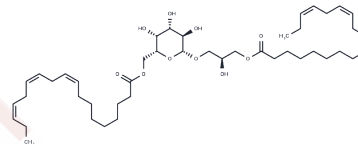
CAS No. : 1932659-76-1

Formula: C45H74O10

Molecular Weight: 775.06

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

Monogalactosyldiacylglycerol (MGDG), a polar lipid not forming bilayers, is located in the chloroplast thylakoid of aerobic photosynthetic organisms. This uncharged and highly unsaturated galactolipid creates a fluid environment aiding electron transfer diffusion in photosynthesis and can be used in natural protein packaging. Additionally, MGDG exhibits anti-inflammatory effects in vivo [1] [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2902 mL	6.4511 mL	12.9022 mL
5 mM	0.258 mL	1.2902 mL	2.5804 mL
10 mM	0.129 mL	0.6451 mL	1.2902 mL
50 mM	0.0258 mL	0.129 mL	0.258 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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