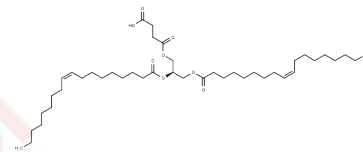


18:1 DGS 1,2-Dioleoyl-sn-glycero-3-succinate

Chemical Properties

CAS No. :	127640-49-7
Formula:	C43H76O8
Molecular Weight:	721.06
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	18:1 DGS (1,2-Dioleoyl-Sn-Glycero-3-Succinate) is an anionic lipid modified by succinate, and its carboxyl group is negatively charged under physiological conditions, which can adjust the surface electrical properties and stability of liposomes or nanoparticles. 18:1 DGS (1,2-Dioleoyl-Sn-Glycero-3-Succinate) is often used in the construction of functionalized liposomes, which supports drug delivery and membrane interaction research by providing reaction sites and regulating membrane properties.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3868 mL	6.9342 mL	13.8685 mL
5 mM	0.2774 mL	1.3868 mL	2.7737 mL
10 mM	0.1387 mL	0.6934 mL	1.3868 mL
50 mM	0.0277 mL	0.1387 mL	0.2774 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.

Reference

Hashimoto W, et al. Antimicrobial Peptide Activity in Lipid Bilayers with Smooth-Type Lipopolysaccharides. Anal Chem. 2026 Jan 27;98(3):2089-2097.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481