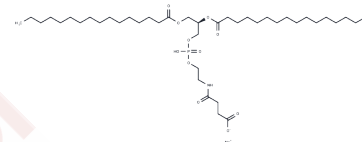


1,2-Dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-(succinyl) sodium salt

Chemical Properties

CAS No. :	186800-61-3
Formula:	C41H77NNaO11P
Molecular Weight:	814.01
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	1,2-Dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-(succinyl) (sodium salt) is a succinyl-modified phospholipid derivative (DPPE derivative). The carboxyl group introduced into its polar headgroup provides additional negative charge and reactive sites, facilitating further conjugation with biomolecules or drugs. In liposomes and nanodelivery systems, such modified phospholipids are commonly used to regulate membrane surface charge and achieve functionalization, thereby improving the stability and targeting capabilities of the carriers.
Targets(IC50)	Liposome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2285 mL	6.1424 mL	12.2849 mL
5 mM	0.2457 mL	1.2285 mL	2.457 mL
10 mM	0.1228 mL	0.6142 mL	1.2285 mL
50 mM	0.0246 mL	0.1228 mL	0.2457 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

Kepczynski M, et al. Functionalized lipids and surfactants for specific applications. *Biochim Biophys Acta*. 2016 Oct; 1858(10):2362-2379.

Craparo EF, et al. Novel composed galactosylated nanodevices containing a ribavirin prodrug as hepatic cell-targeted carriers for HCV treatment. *J Biomed Nanotechnol*. 2013 Jun;9(6):1107-22. doi: 10.1166/jbn.2013.1608. PMID: 23858977

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