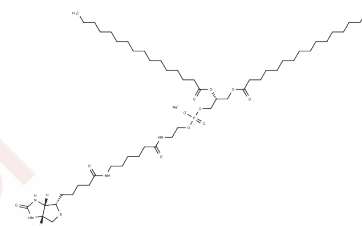


## 1,2-Dipalmitoyl-sn-glycero-3-PE-N- (cap biotin) (sodium salt)

### Chemical Properties

CAS No. :	384835-52-3
Formula:	C53H98N4NaO11PS
Molecular Weight:	1053.39
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-PE-N- (cap biotin) (sodium salt) can be used to construct lipid vesicles and form lipid bilayer (SLB). 1,2-Dipalmitoyl-sn-glycero-3-PE-N- (cap biotin) (sodium salt) as a biotinylated phospholipid can be used to study the interaction between protein and lipid-binding ligands.
Targets(IC50)	Others

### Solubility Information

Solubility	DMSO: 2.5 mg/mL (2.37 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9493 mL	4.7466 mL	9.4932 mL
5 mM	0.1899 mL	0.9493 mL	1.8986 mL
10 mM	0.0949 mL	0.4747 mL	0.9493 mL
50 mM	0.019 mL	0.0949 mL	0.1899 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

Yeh PY, et al., Promoting Multivalent Antibody-Antigen Interactions by Tethering Antibody Molecules on a PEGylated Dendrimer-Supported Lipid Bilayer. *Biomacromolecules*. 2018 Feb 12;19(2):426-437.

Myres GJ, et al., Inter-Leaflet Phospholipid Exchange Impacts the Ligand Density Available for Protein Binding at Supported Lipid Bilayers. *Langmuir*. 2022 Jun 7;38(22):6967-6976.

Visnapuu, M.-L., Fazio, T., Wind, S., et al. Parallel arrays of geometric nanowells for assembling curtains of DNA with controlled lateral dispersion. *Langmuir* 24(19), 11293-11299 (2008).

**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