

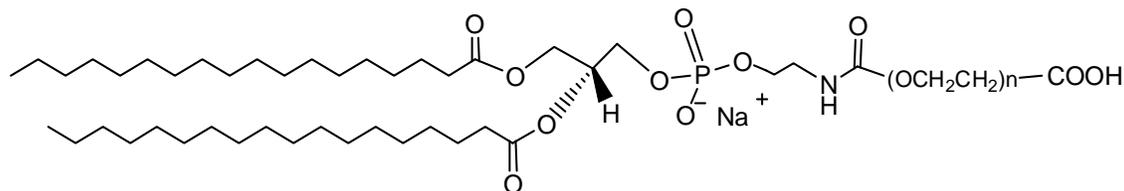
TECHNICAL DATA SHEET**DSPE PEG COOH, MW 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-CADS-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: DSPE PEG acid, Carboxylic PEG DSPE

Description:

DSPE and acid is one of Nanocs' reactive phospholipid PEG derivatives. DSPE (1,2-distearoyl-sn-glycero-3-phosphoethanolamine) is an 18 carbon phospholipid that is highly hydrophobic. PEG backbone, on the other hand, offers good hydrophilicity and water solubility. **Carboxylic** functionalized DSPE PEG has excellent reactivity towards amine or hydroxyl groups. Carboxylic **PEG DSPE** is one of most commonly used reactive phospholipids to conjugate antibodies, peptides or other ligands to the surface of liposome and other lipid nanoparticles. Pegylation of phospholipids significantly increases the blood circulation time and stability for encapsulated drugs. Nanocs has developed a comprehensive collection of reactive phospholipid PEG products that have high purity, various molecular weights and excellent chemical reactivity. These lipid PEG conjugates demonstrate excellent amphiphilic properties and offer superior advantages for small and large molecule labeling, formulation and delivery.

Product Structure:**Product Specifications:**

- Composition: **DSPE PEG acid, DSPE-PEG-COOH.**
- Appearance: White to off-white solid.
- Solubility: >10 mg/mL in hot water, chloroform, DMF.
- Reactive group: COOH.

Handling and Use:

DSPE PEG acid should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Carboxylic PEG DSPE should be stored at -20 °C.

This product is for research and manufacturing use only and is not intended for use in humans or for diagnostic use.

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