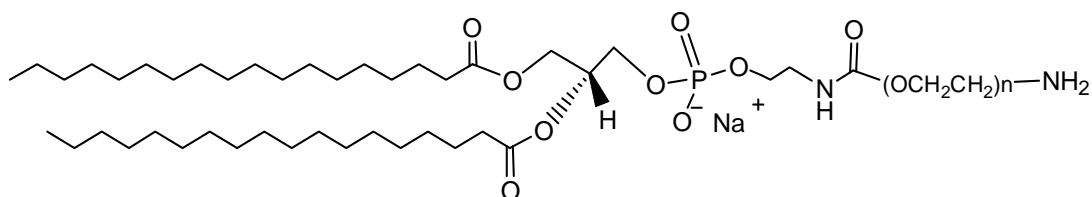


**TECHNICAL DATA SHEET****DSPE PEG Amine, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: DSPE PEG NH<sub>2</sub>, Amino PEG DSPE, Amine PEG DSPE, NH<sub>2</sub> PEG DSPE**Description:**

**DSPE PEG amine** is one of Nanocs' reactive phospholipid PEG derivatives that have a primary amine group and a DSPE phospholipid bridged by a linear PEG linker. 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. **Amine 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 PEG nanoparticles. Nanocs has developed a comprehensive collection of chemical 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 modification, formulation and delivery.

**Product Structure:****Product Specifications:**

- Composition: **DSPE PEG amine.**
- Appearance: White to off-white solid.
- Solubility: 10 mg/mL in hot water, chloroform, DMSO, etc.
- Reactive group: Amine.

**Handling and Use:**

**DSPE PEG amine** 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](http://www.nanocs.net).

**Storage Conditions:**

**DSPE PEG amine** should be stored at -20 °C. Desiccate. Re-test material in 12 months.

**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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