

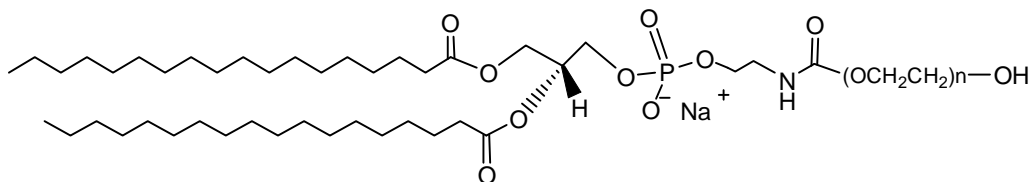
TECHNICAL DATA SHEET**DSPE PEG Hydroxyl, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: DSPE PEG OH, Hydroxyl PEG DSPE

Description:

Hydroxyl PEG DSPE (DSPE PEG OH) is one of Nanocs' heterobifunctional **DSPE PEG** derivatives that have a hydroxyl group and a DSPE phospholipid bridged by a linear PEG linker. DSPE (1,2-distearoyl-sn-glycero-3-phosphoethanolamine) is an 18 carbon saturated phospholipid PEG derivative that have been used for liposome formulation. Hydroxy group on this molecule can be further activated to react with other functional groups. Nanocs provides a variety of multifunctional **phospholipid PEG** products that have been used for RNA delivery, nanoparticle functionalization and drug encapsulation. Pegylated phospholipid products demonstrate excellent amphiphilic properties and offer superior advantages for small and large molecule modification and targeted delivery. Pegylation of phospholipids significantly improves the blood circulation time and stability for encapsulated drugs; it also suppresses the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: **DSPE PEG hydroxyl.**
- Appearance: White to off-white solid.
- Solubility: >10 mg/mL in hot water, chloroform, DMSO, etc.
- Stability: 12 months at -20 °C.

Handling and Use:

Hydroxyl PEG DSPE 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:

DSPE PEG OH should be stored at -20 °C. Desiccate. Re-test material after 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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