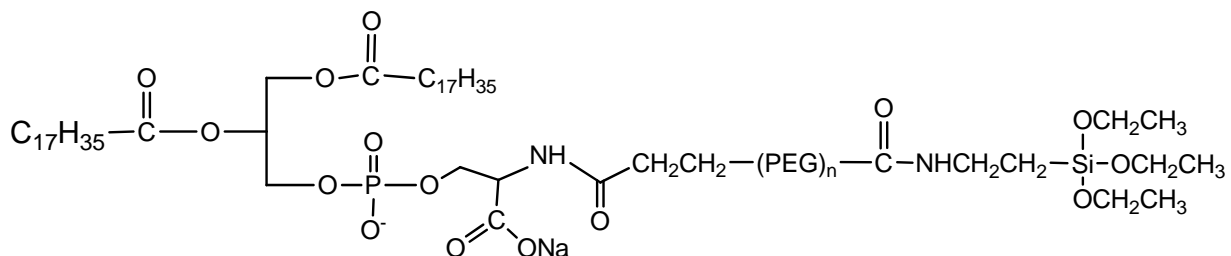


TECHNICAL DATA SHEET**DSPE PEG Silane, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Description:

DSPE PEG Silane is one of Nanocs' surface reactive phospholipid PEG derivatives that can be used to modify glass, silica particles and many other material surfaces. DSPE (1,2-distearoyl-sn-glycero-3-phosphoethanolamine) is an 18 carbon saturated phospholipid with high hydrophobicity. PEG linker bridged DSPE and silane group offers better hydrophilicity, flexible linker structure and enhanced reactivity. Silane group on this molecule is highly reactive toward glass, silica and many other materials. Reaction between alkoxy silane and surface hydroxyl group allows covalent attachment of phospholipid PEG to those modified material surfaces. PEG modified material surface shows significantly lower non-specific binding.

Product Structure:**Product Specifications:**

- Composition: **DSPE PEG silane.**
- Appearance: White to off-white solid.
- Solubility: >10 mg/mL in hot water, chloroform or ethanol.
- Reactive group: Silane.

Handling and Use:

DSPE PEG silane is easy to hydrolyze. Material 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:

Silane PEG DSPE should be stored at -20 °C. Desiccate. Re-test material after 3 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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