

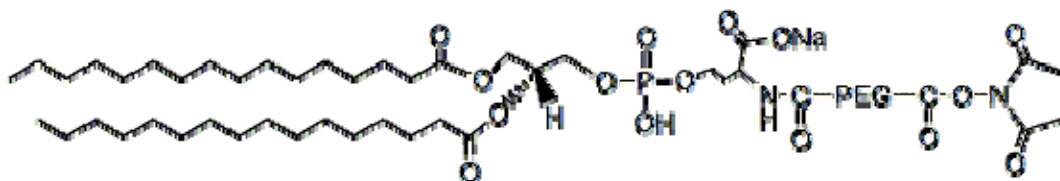
TECHNICAL DATA SHEET**Phosphoserine PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG Phosphoserine

Description:

Phosphoserine (DPPS) PEG NHS is one of Nanocs' reactive saturated phospholipid derivatives that can react with primary amine groups. Phosphoserine (1,2-dipalmitoyl-sn-glycero-3-phosphoserine, DPPS) is a 16 carbon saturated phospholipid that is highly hydrophobic. PEG backbone, on the other hand, offers good hydrophilicity. Succinimidyl NHS functionalized DPPS PEG is able to react with primary amine groups from proteins, peptides and many other materials. Reaction between NHS and amine enables conjugation of DPPS PEG to various materials. PEG linker between DPPS and maleimide offers better water stability, flexible linker structure and enhanced stability. Pegylated phospholipids are excellent drug delivery materials. Reactive lipid PEG can be used for targeted drug delivery vehicle by modifying these lipids with targeting ligands such as antibodies, peptides.

Product Structure:**Product Specifications:**

- Composition: **Phosphoserine PEG NHS.**
- Appearance: White to off white solid.
- Solubility: >10 mg/mL in hot water, chloroform/methanol (9:1).
- Reactive group: NHS.

Handling and Use:

For best use, **Phosphoserine PEG NHS** 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:

Phosphoserine PEG NHS should be stored at -20 °C. Desiccate. Re-test material after 6 months.

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

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