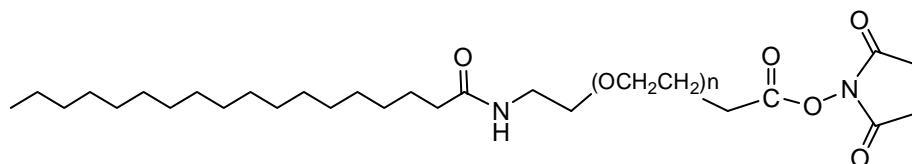


TECHNICAL DATA SHEET**Stearic Acid PEG NHS, MW 2000, 3400, 5000, 10k, 20k**

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

Description:

Stearic acid PEG NHS is one of Nanocs' reactive **fatty acid lipid PEG** derivatives that can react with primary amine groups. Stearic acid is an 18 carbon fatty acid with high hydrophobicity. PEG backbone, on the other hand, offers good hydrophilicity. Succinimidyl ester (NHS) functionalized stearic acid PEG can readily react with primary amine groups at pH 8~10 at aqueous solution. Pegylated fatty acid lipids are excellent liposome formulation materials that can be used for drug encapsulation, gene transfection and vaccine delivery. Pegylated lipids have higher stability and longer blood circulation. Reactive PEG lipids can be used for targeted drug delivery by modifying their surfaces with targeting ligands such as antibodies, peptides.

Product Structure:**Product Specifications:**

- Composition: **Stearic Acid PEG NHS.**
- Appearance: White to off white solid.
- Solubility: Soluble in hot water, chloroform, toluene, etc.
- Reactive group: NHS ester.
- Reactive to: Primary amines.

Handling and Use:

Stearic acid 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:

NHS PEG Stearic acid should be stored at -20 °C. Desiccate. Protect from light. 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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