

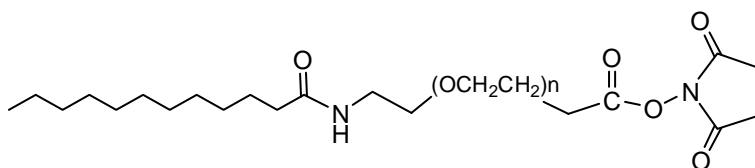
**TECHNICAL DATA SHEET****Lauric Acid PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG Lauric acid, Dodecanoic acid PEG NHS

**Description:**

**Lauric acid PEG NHS** is one of Nanocs' amine reactive fatty acid PEG derivatives. Lauric acid, also called dodecanoic acid, is a 12 carbon saturated fatty acid with high hydrophobicity. NHS PEG functionalized lauric acid can readily react with primary amine groups at pH 8~10 at both organic solvents and aqueous solution. Pegylated fatty acid lipids are excellent liposome formulation materials that can be used for drug encapsulation, gene transfection and vaccine delivery. Pegylation of lipids significantly improves the blood circulation time and stability for encapsulated drugs. These materials can also be used for targeted drug delivery by modifying their surfaces with targeting ligands such as antibodies, peptides.

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

- Composition: **Lauric acid PEG NHS.**
- Appearance: White to off white solid.
- Solubility: Soluble in hot water, chloroform, toluene, etc.
- Reactive group: NHS.
- Reactive to: Primary amine (-NH<sub>2</sub>).

**Handling and Use:**

**Lauric 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](http://www.nanocs.net).

**Storage Conditions:**

**NHS PEG Lauric acid** 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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