

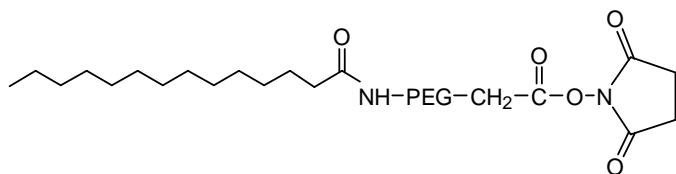
**TECHNICAL DATA SHEET****Myristic acid PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG Myristic Acid

**Description:**

**Myristic acid PEG NHS** is one of Nanocs' amine reactive fatty acid PEG derivatives that can attach myristic acid PEG to the surface of liposome, nanoparticles or other molecules. **Myristic acid** is a 14 carbon fatty acid with high hydrophobicity. PEG backbone, on the other hand, offers good hydrophilicity. NHS reacts with primary amine at pH 7.5-10 to form a stable amide bond. Reaction of NHS and amine allows quick and efficient conjugation of Pegylated myristic acid to various substrates. Pegylated myristic acid lipids are excellent liposome formulation materials that can be used for drug delivery, gene transfection and molecule modification. Pegylation of lipids significantly improves the blood circulation time and stability for encapsulated drugs.

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

- Composition: **Myristic acid PEG NHS.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive group: NHS.
- Reactive to: Primary amine.

**Handling and Use:**

**Myristic acid PEG NHS** is sensitive to moisture and temperature. For best use, 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](http://www.nanocs.net).

**Storage Conditions:**

**NHS PEG Myristic acid** should be stored at 20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability.

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

**To Order:**Order online: [www.nanocs.net](http://www.nanocs.net)Order by Email: [sales@nanocs.com](mailto:sales@nanocs.com)

Order by phone: 1(800)388-4221; 1(888) 908-8803

For more information, visit [www.nanocs.net](http://www.nanocs.net)