

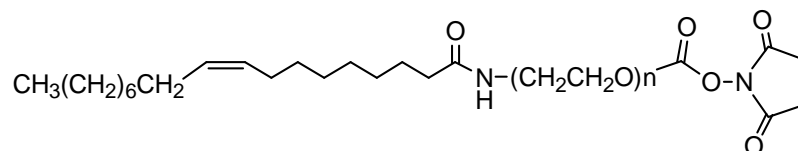
**TECHNICAL DATA SHEET****Oleic acid PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG Oleic acid, OA PEG NHS

**Description:**

**Oleic acid PEG NHS** is one of Nanocs' reactive fatty acid lipid PEG derivatives that can react with primary amine groups. Oleic acid is an unsaturated 18 carbon fatty acid with high hydrophobicity. PEG backbone, on the other hand, is hydrophilic and has good water solubility. Pegylated oleic acid possesses excellent amphiphilic properties and offers superior advantages for small and large molecule targeted delivery. **NHS** activated PEG oleic acid is useful to modify proteins, antibodies, particles and many other materials via their available amine groups. Succinimidyl ester (NHS) reacts with primary amine group quickly and efficiently at alkaline pH. Reaction of NHS and amine allows the attachment of oleic acid PEG to targeted substrates with high efficiency. Pegylated lipid particles have longer blood circulation time and higher stability; Pegylation also decreases the immunogenicity for modified biomolecules.

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

- Composition: **Oleic acid PEG NHS.**
- Appearance: White to off-white/pale yellow solid or semi-solid depends on molecular weight.
- Solubility: >10 mg/mL in hot water, chloroform, DMSO, etc.
- Reactive group: NHS ester.
- Lipid type: Un-saturated 18 C fatty acid.

**Handling and Use:**

For best use, **Oleic 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 Oleic 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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