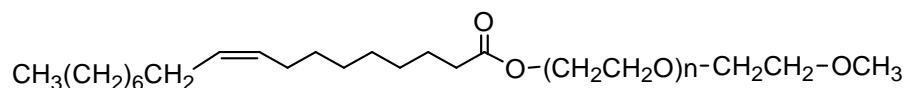


**TECHNICAL DATA SHEET****MPEG-Oleic Acid, MW 550, 750, 1000, 2000, 5000, 10k, 20k**

Catalog Numbers: PG1-OLA-550, 750, 1k, 2k, 5k, 10k, 20k.

**Description:**

**mPEG Oleic acid** is one of Nanocs' monofunctional fatty acid lipid PEG derivatives that have an oleic acid attached to one end of a PEG chain. **Oleic acid** is an 18 carbon un-saturated fatty acid lipid with good hydrophobicity. Polyethylene glycol linker, on the other hand, offers good hydrophilicity. As a result, PEG conjugated oleic acid shows excellent amphiphilic properties and it has superior advantages for small and large molecule encapsulation and modification. Nanocs provides a variety of multifunctional lipid PEG products which have been used for targeted drug delivery, nanoparticle functionalization, liposome formulation as well as bioconjugation applications. PEGylation reduces immunogenicity of modified peptides, proteins and other materials. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

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

- Composition: **mPEG-Oleic acid.**
- Appearance: White to off-white solid.
- Solubility: >10 mg/mL in hot water, chloroform, ethanol, etc.
- Stability: 12 months at -20 °C.

**Handling and Use:**

For best use, **Oleic acid PEG** 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:**

**Oleic acid PEG** should be stored at -20 °C. Protect from light.

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

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