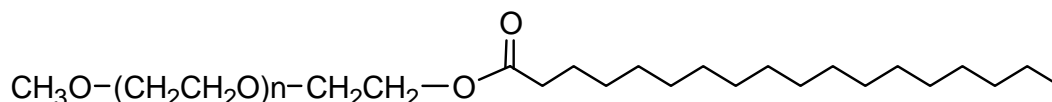


**TECHNICAL DATA SHEET****MPEG-Stearic Acid, MW 550, 750, 1000, 2000, 5000, 10k, 20k**

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

**Description:**

**Stearic acid PEG** is one of Nanocs' monofunctional fatty acid lipid PEG derivatives that have a terminal stearic acid linked to one end of a linear PEG chain. Stearic acid is an 18 carbon fatty acid lipid with good hydrophobicity. Pegylated stearic acid lipids demonstrate excellent amphiphilic properties and they have superior advantages for small and large molecule modification and delivery. Nanocs provides a variety of multifunctional stearic acid lipid PEG products which have been used for targeted drug delivery, nanoparticle functionalization, liposome formulation and many other applications.

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

- Composition: **MPEG-Stearic acid, mPEG-STA.**
- 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:**

**Stearic 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:**

**mPEG Stearic acid** should be stored at -20 °C. Desiccate. Re-test material after 12 months.

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

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