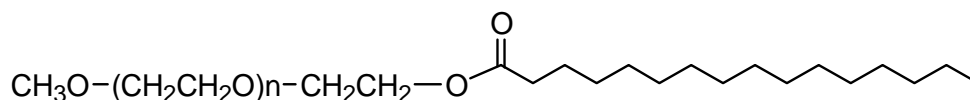


**TECHNICAL DATA SHEET****MPEG-Palmitic acid, MW 550, 750, 1000, 2000, 5000, 10k, 20k**

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

**Description:**

**mPEG Palmitic acid** is one of Nanocs' monofunctional fatty acid lipid PEG derivatives that have an palmitic acid attached to one end of a linear PEG chain. Palmitic acid is a 16 carbon fatty acid lipid with high hydrophobicity. PEG linker, on the other hand, show good hydrophilicity. Pegylated palmitic lipid thus demonstrates excellent amphiphilic properties and it offers superior advantages for small and large molecule modification and delivery. Nanocs provides a variety of multifunctional palmitic 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-Palmitic acid, mPEG-PLA.**
- 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:**

Palmitic 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 Palmitic 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.**

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.