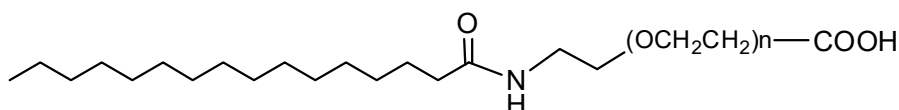


TECHNICAL DATA SHEET**Palmitic acid PEG acid, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Description:

Palmitic acid PEG acid is one of Nanocs' multifunctional fatty acid lipid PEG crosslinkers that can be used for nanoparticle functionalization, liposome formulation and surface modification. Palmitic acid is saturated 16 C fatty acid lipid with high hydrophobicity. PEG linked palmitic acid, on the other hand, offers good hydrophilicity. Carboxylic acid functionalized palmitic acid PEG has a reactive acid group on the one end of PEG chain and it can be activated to react with amine or hydroxy groups. Pegylated palmitic acid lipids have excellent amphiphilic properties and offer superior advantages for small and large molecule modification, encapsulation and targeted delivery. Pegylation of lipids or phospholipids significantly improves the blood circulation time and stability for encapsulated drugs.

Product Structure:**Product Specifications:**

- Composition: **Palmitic acid PEG acid.**
- Appearance: White to off-white solid.
- Solubility: >5 mg/mL in hot water, chloroform, clear.
- Stability: 6-12 months at -20 °C.

Handling and Use:

Palmitic acid PEG acid 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.

Storage Conditions:

Palmitic acid PEG acid should be stored at -20 °C. Re-test material 12 months after receiving.

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

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