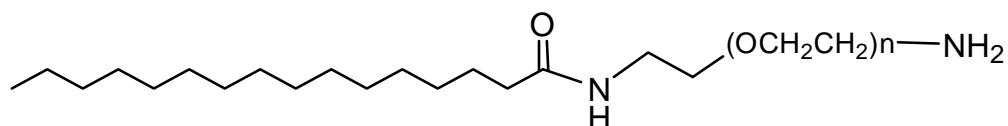


TECHNICAL DATA SHEET**Palmitic Acid PEG amine, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Description:

Palmitic acid PEG amine (PA-PEG-NH₂) is one of Nanocs' reactive heterofunctional fatty acid lipid PEG products that can be used for targeted drug delivery, nanoparticle functionalization, liposome synthesis and many other applications. **Pegylated fatty acid lipid** products have excellent amphiphilic properties and offer superior advantages for small and large molecule modification, encapsulation and targeted delivery. **Palmitic acid PEG amine** is a saturated 16 C fatty acid lipid conjugated with polyethylene glycol (PEG) terminated with a primary amine group. Primary amine can be used for many amine reactions to link to other molecules. **Palmitic acid PEG amine** is soluble both in organic and aqueous buffer. Pegylation of lipids or phospholipids significantly improves the blood circulation time and stability for encapsulated drugs; it also suppresses the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: **Palmitic Acid PEG amine.**
- Appearance: White to off white solid.
- Solubility: Soluble in hot water, chloroform, DMSO, etc.
- Reactive group: Primary amine (-NH₂).

Handling and Use:

For best use, **Palmitic PEG amine** 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 PEG amine 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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