

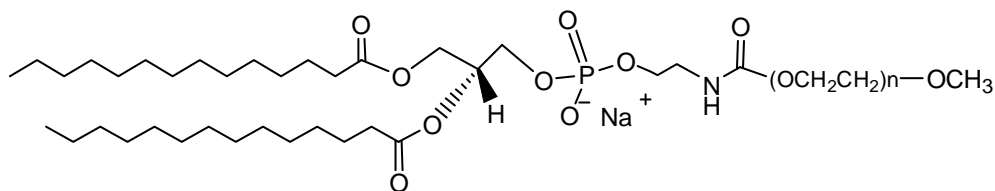
TECHNICAL DATA SHEET**MPEG-DMPE, MW 1000, 2000, 5000, 10k, 20k**

Catalog Numbers: PG1-DM-1k, 2k, 5k, 10k, 20k.

Synonym: DMPE PEG, PEG DMPE

Description:

Methoxy PEG DMPE (DMPE PEG) is one of Nanocs' phospholipid PEG derivatives. **DMPE** (1,2-dimyristoyl-sn-glycero-3-phosphoethanolamine) is a 14 carbon saturated phospholipid with high hydrophobicity. Pegylated DMPE phospholipid products demonstrate excellent amphiphilic properties and offer superior advantages for small and large molecule targeted delivery. Nanocs provides a variety of multifunctional **DMPE PEG** products that have been used for drug delivery, nanoparticle functionalization, liposome formulation and many other applications. These DMPE PEGs are soluble both in organic solvents and water. Pegylation of phospholipids significantly improves the blood circulation time and stability for encapsulated molecules; it also suppresses the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

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

Handling and Use:

mPEG DMPE 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:

DMPE PEG should be stored at -20 °C. Desiccate.

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

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