

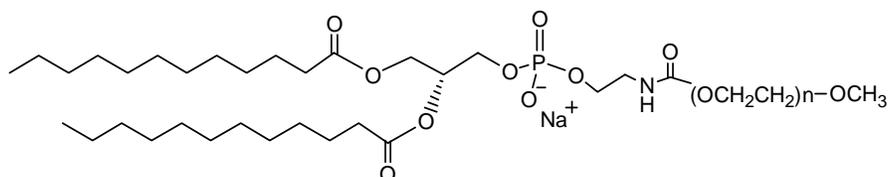
**TECHNICAL DATA SHEET****mPEG DLPE, MW 1000, 2000, 5000, 10k, 20k**

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

Synonym: Methoxy PEG DLPE, DLPE PEG, PEG DLPE

**Description:**

**mPEG DLPE** is one of Nanocs' monofunctional phospholipid PEG derivatives. **DLPE (1,2-dilauroyl-sn-glycero-3-phosphoethanolamine)** is a 12 carbon saturated phospholipid that is highly hydrophobic. PEG backbone, on the other hand, offers good hydrophilicity. Pegylated DLPE are soluble both in organic and aqueous solution. Pegylated phospholipids are excellent liposome formulation materials that can be used for drug encapsulation, gene and vaccine delivery. Pegylation of phospholipids significantly improves the blood circulation time and stability for encapsulated drugs. These materials can also be used for targeted drug delivery by modifying their surfaces with targeting ligands such as antibodies, peptides.

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

- Composition: **mPEG DLPE.**
- Appearance: White to off white solid.
- Solubility: 10 mg/mL, clear in warm water, chloroform.
- Stability: ~12 months at -20 °C.

**Handling and Use:**

For best use, **DLPE 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:**

**DLPE 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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