

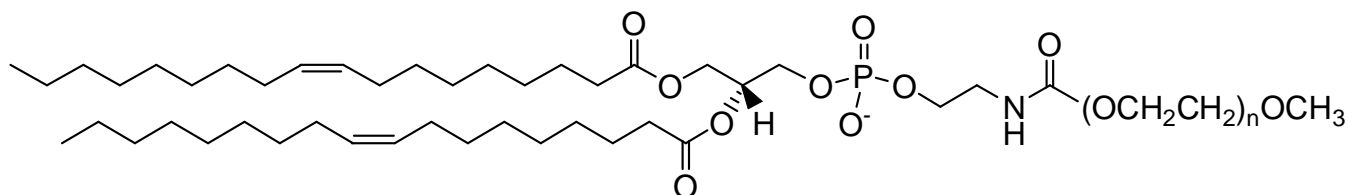
TECHNICAL DATA SHEET**MPEG-DOPE, MW 1000, 2000, 5000, 10k, 20k**

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

Synonym: DOPE PEG, PEG DOPE

Description:

Methoxy PEG DOPE (mPEG DOPE) is one of Nanocs' phospholipid PEG derivatives that have a terminal DOPE linked on a PEG chain. **DOPE** DOPE (1,2-dioleoyl-sn-glycero-3-phosphoethanolamine) is an 18 carbon un-saturated phospholipid with high hydrophobicity. PEG backbone, on the other hand, offers good hydrophilicity. Pegylated DOPE phospholipid products demonstrate excellent amphiphilic properties and offer superior advantages for small and large molecule targeted delivery. Nanocs provides a variety of multifunctional **DOPE PEG** products that have been used for drug delivery, nanoparticle functionalization, liposome formulation and many other applications. These DOPE 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-DOPE**.
- Appearance: White to off-white solid.
- Solubility: >10 mg/mL in hot water, chloroform.
- Molecular weight: 2801.46 (average MW).
- Purity (TLC): >95%.

Handling and Use:

mPEG DOPE 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:

DOPE PEG should be stored at -20 °C. Desiccate. Re-test material in 6 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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