

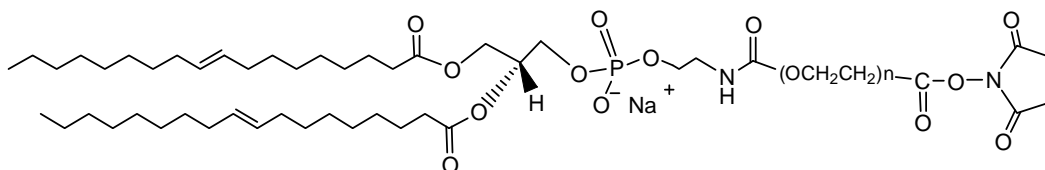
TECHNICAL DATA SHEET**DOPE PEG NHS, MW 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG DOPE

Description:

DOPE PEG NHS is one of Nanocs' reactive phospholipid PEG derivatives that can react with primary amine groups. 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. NHS functional DOPE PEG can react readily with primary amine groups at pH 7.5~10 with high efficiency. Reaction of NHS and amine allows the conjugation of Pegylated DOPE to various amine bearing molecules or particles. PEG linker bridged DOPE and NHS group offers good water solubility, flexible linker structure and enhanced stability. NHS PEG DOPE thus enables modify proteins, antibodies or particles quickly and efficiently. Pegylated DOPE phospholipids can be used for drug encapsulation, gene transfection and vaccine delivery.

Product Structure:**Product Specifications:**

- Composition: **DOPE PEG NHS.**
- Appearance: White to off white solid.
- Solubility: 10 mg/mL, clear in hot water, chloroform.
- Reactive group: **NHS.**
- Reactive to: **Primary amine.**

Handling and Use:

DOPE PEG NHS 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 NHS should be stored at -20 °C. Desiccate. Protect from light. Re-test material after 6 months.

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

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