

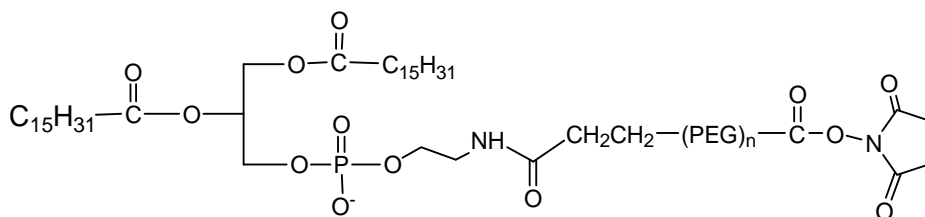
TECHNICAL DATA SHEET**DPPE PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG DPPE

Description:

DPPE PEG NHS is one of Nanocs' reactive **phospholipid PEG** crosslinkers that have a DPPE phospholipid and NHS group bridged by a linear PEG linker. DPPE (1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine) is a 16 carbon saturated phospholipid that is highly hydrophobic. PEG backbone, on the other hand, offers good hydrophilicity. Succinimidyl ester (NHS) functional DPPE PEG can readily react with primary amine groups at pH 7-10. Reaction between NHS and amine allows the conjugation of DPPE PEG to proteins, peptides, antibodies and other materials bearing amine groups. **NHS PEG DPPE** is one of Nanocs' most frequently used reactive phospholipids. Pegylated phospholipids significantly improve blood circulation time and stability for encapsulated drugs. Nanocs has developed a comprehensive collection of reactive phospholipid PEG products that have high purity, various molecular weights and excellent chemical reactivity. These lipid PEG conjugates demonstrate excellent amphiphilic properties and offer superior advantages for small and large molecule drug modification, formulation and delivery.

Product Structure:**Product Specifications:**

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

Handling and Use:

DPPE 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:

NHS PEG DPPE should be stored at -20 °C. Desiccate. 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.

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.