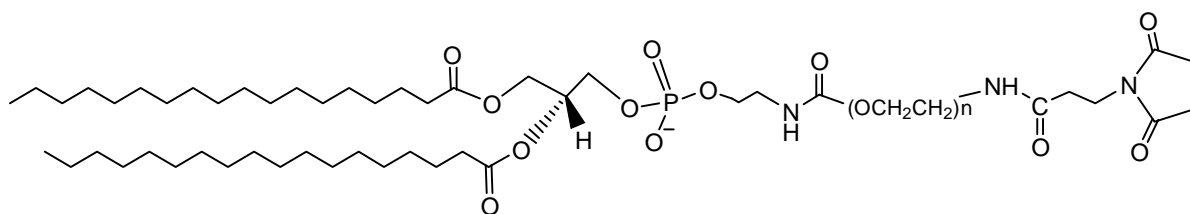


TECHNICAL DATA SHEET**DSPE PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Description:

Nanocs provides a variety of multifunctional phospholipid PEG products which have been used for targeted drug delivery, nanoparticle functionalization, liposome formation as well as many other applications. Pegylated phospholipid products demonstrate excellent amphiphilic properties and offer superior advantages for small and large molecule targeted delivery. DSPE PEG maleimide is a C-18 phospholipid heterobifunctional PEG derivative that can react with thiol groups at neutral pH. This material is both organic and water soluble and has been used widely for drug delivery. Pegylation of phospholipids significantly improves the blood circulation time and stability for encapsulated drugs; it also suppresses the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: DSPE PEG Maleimide.
- Appearance: White to off-white solid.
- Purity: >90%.
- Solubility: >10 mg/mL in hot water, chloroform, ethanol, etc.
- Stability: 6~12 months at -20 °C.

Handling and Use:

For best use, material 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:

Product should be stored at -20 °C. Desiccate. Protect from light. Re-test material after 12 months.

This product is for research and manufacturing 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.