

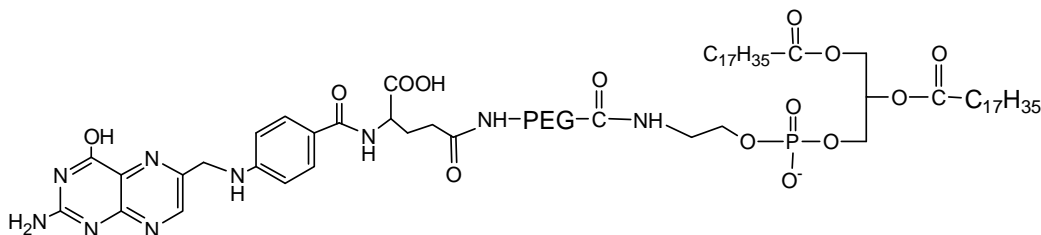
TECHNICAL DATA SHEET**DSPE PEG Folic acid, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: DSPE PEG Folate, Folic acid PEG DSPE, Folate PEG DSPE

Description:

DSPE PEG Folate, also called Folic acid PEG DSPE, is one of folate functional phospholipid PEG products provided by Nanocs for targeted drug delivery, nanoparticle functionalization, liposome formulation and many other applications. Pegylated phospholipid products demonstrate excellent amphiphilic properties and offer superior advantages for small and large molecule targeted delivery. DSPE (1,2-distearoyl-sn-glycero-3-phosphoethanolamine) PEG folic acid is an 18 carbon phospholipid PEG derivative which can be used for folate receptor targeting. Folic acid is also known as vitamin M, vitamin B9 or pteroyl-L-glutamic acid. Folic acid is an essential bioactive molecule for numerous biological functions. It participates in the synthesis, repairing and methylation of DNA as well as to act as a cofactor in many biological reactions. Pegylated DSPE and Folic acid is soluble both in organic solvents and aqueous buffer. They have been used for preparing folate receptor targeting liposome for either small molecules or large molecules delivery.

Product Structure:**Product Specifications:**

- Composition: **DSPE PEG Folic acid.**
- Appearance: Yellow, orange to brownish solid.
- Solubility: >5 mg/mL in hot water, chloroform/methanol, and DMSO.
- Functional group: Folic acid.

Handling and Use:

DSPE PEG folate 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:

Folic acid PEG DSPE should be stored at -20 °C. Desiccate. Protect from light.

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.