



# DSPE-PEG-NHS

**Catalog: Lipo-511**

## PRODUCT INFORMATION

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**Name** DSPE-PEG-NHS

**Cat No.** Lipo-511

**Product Overview**

1,2-Distearoyl-sn-Glycero-3-Phosphoethanolamine (DSPE) conjugated polyethylene glycol with active succinimidyl ester (DSPE-PEG-NHS) is a linear heterobifunctional PEGylation reagent with a DSPE phospholipid and an active ester group. It is a useful self-assembling reagent to prepare PEGylated liposome or micelle while also providing a NHS group for conjugation with amine-containing moieties or ligands. It is often used in targeted drug delivery with the lipid bilayer to improve drug solubility, the PEG to provide stealth property, extend circulation half-life and reduce non-specific protein binding or cell adhesion, and the acid group to bioconjugate targeting molecules including antibody, aptamer, protein, and peptide.

**Purity** >95%

**Application** Liposome production; Synthetic lipid

**Storage** Store at -20 °C

**Synonyms** 1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[succinimidyl(polyethylene glycol)]