



DSPE-PEG-NHS

Catalog: Lipo-511

PRODUCT INFORMATION

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)]