



mPEG-DLPE

Catalog: Lipo-524

PRODUCT INFORMATION

Name mPEG-DLPE

Cat No. Lipo-524

Product Overview

1,2-Dioleoyl-sn-glycero-3-phosphoethanolamine (DLPE)-polyethylene glycol methoxy (DLPE-MPEG) is a near heterobifunctional PEGylation reagent with an unsaturated DLPE phospholipid. It is a useful self-assembling reagent to prepare grafted or PEGylated liposome or micelle while also providing an amine group for bioconjugation. 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 amine group to bioconjugate targeting molecules including antibody, aptamer, protein, and peptide.

Purity >95%

Application Liposome production; Synthetic lipid

Form Off-white/white solid or viscous liquid depends on molecule weight. Soluble in regular aqueous solution as well as most organic solvents

Storage Store at -20 °C

Synonyms DSPE-PEG(2000) Amine Lipids
