



# DSPE-PEG-Biotin

Catalog: Lipo-516

## PRODUCT INFORMATION

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**Name** DSPE-PEG-Biotin

**Cat No.** Lipo-516

**Product Overview**

DSPE-PEG-Biotin (DSPE-PEG-BIO) is a linear heterobifunctional PEGylation reagent with a DSPE phospholipid and a biotin. It is a useful self-assembling reagent to prepare grafted or PEGylated liposome or micelle while also providing a biotin group for binding to avidin or streptavidin.

It is often used in targeted drug delivery with the lipid bilayer to improve drug solubility, the PEG to provide stability property, extend circulation half-life and reduce non-specific protein binding or cell adhesion, and the biotin group to non-covalently bind to targeting molecules including antibody, aptamer, protein, and peptide.

**Purity** >95%

**Application** Liposome production; Synthetic lipid

**Synonyms** 1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[biotinyl(polyethylene glycol)] (DSPE-PEG-BIO); DSPE-PEG-BIO

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