



# DSPE-PEG-Biotin

**Catalog: Lipo-516**

## PRODUCT INFORMATION

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<b>Name</b>	DSPE-PEG-Biotin
<b>Cat No.</b>	Lipo-516
<b>Product Overview</b>	<p>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.</p> <p>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 biotin group to non-covalently bind to targeting molecules including antibody, aptamer, protein, and peptide.</p>
<b>Purity</b>	>95%
<b>Application</b>	Liposome production; Synthetic lipid
<b>Synonyms</b>	1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[biotinyl(polyethylene glycol)] (DSPE-PEG-BIO); DSP E-PEG-BIO