



# DSPE-PEG-N3

Catalog: Lipo-515

## PRODUCT INFORMATION

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**Name** DSPE-PEG-N3

**Cat No.** Lipo-515

**Product Overview**

DSPE-PEG-azide (DSPE-PEG-N3) is lipid-PEG conjugate with terminated azide. NSP azide PEG DSPE products can be used to prepare pegylated liposome using Click Chemistry. Azide reacts readily with alkyne or cyclooctyne in aqueous solution with or without copper catalyst.

PEG conjugated 1,2-Distearoyl-sn-Glycero-3-Phosphoethanolamine (DSPE), DSPE-PEG is a phospholipid PEG conjugate which has both hydrophilicity and hydrophobicity. Pegylated phospholipids are excellent liposome formation materials that can be used for drug delivery, gene transfection and vaccine delivery as well. Pegylation of phospholipids significantly improves the blood circulation time and stability for encapsulated drugs. These materials can also be used for targeted drug delivery by modifying their surfaces with targeting ligands such as antibodies, peptides.

**Purity** >95%

**Application** Liposome production; Synthetic lipid

**Synonyms** DSPE-PEG-Azide; 1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[azido(polyethylene glycol)], DSPE-PEG-N3