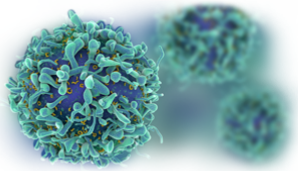

DSPE-PEG-DBCO

Catalog: Lipo-521

PRODUCT INFORMATION

Name	DSPE-PEG-DBCO
Cat No.	Lipo-521
Product Overview	1,2-Distearoyl-sn-Glycero-3-Phosphoethanolamine (DSPE) conjugated polyethylene glycol with dibenzocyclo ctyne (DSPE-PEG-DBCO) is a linear heterobifunctional PEGylation reagent with a DSPE phospholipid and an DBCO for Cu-free chemistry. DSPE derivatives can go Click Chemistry reaction without a need of any metal c atalysts. The strain-promoted 1,3-dipolar cycloaddition of cyclooctynes and azides, also termed as the Cu-free click reaction, is a bioorthogonal reaction that enables the conjugation of two molecules in aqueous solution. D BCO reagents can be used to label azide-modified biomolecules spontaneous without the need for toxic Cu cat alysts. The reaction of azides with strained alkynes, such as cyclooctynes, readily forms a triazole product with out the need for a toxic catalystPEGylation can increase solubility and stability and reduce immunogenicity of peptides and proteins. It can also suppress the non-specific binding of charged molecules to the modified surfa ces.
Purity	>95%
Application	Liposome production; Synthetic lipid
Synonyms	1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-poly(ethylene glycol)-dibenzocycolctyne

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