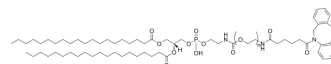


## DSPE-PEG-DBCO, MW 2000

<b>Cat. No.:</b>	HY-W440835
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

DSPE-PEG-DBCO, MW 2000 is a phospholipid-PEG polymer that can be used to form micelles as lipid nanoparticles for drug delivery<sup>[1]</sup>. DSPE-PEG-DBCO, MW 2000 is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Oude Blenke E, et al. Strategies for the Activation and Release of the Membranolytic Peptide Melittin from Liposomes Using Endosomal pH as a Trigger. *Bioconjug Chem.* 2017 Feb 15;28(2):574-582.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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