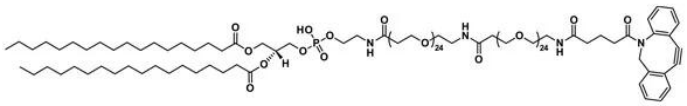
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DBCO-DPEG®24-AMIDO-DPEG®24-DSPE

SKU: QBD-11383



DESCRIPTION

DBCO-dPEG®24-amido-dPEG®24-DSPE is a 1,2-Distearoyl-sn-glycero-3-phosphoethanolamine (DSPE) group functionalized with a long (152 atoms, 180.0 Å) single molecular weight, discrete PEG (dPEG®) spacer. The spacer consists of two dPEG®24 linkers joined by an amide bond, making it effectively a dPEG®48 spacer with a molecular weight slightly greater than 2,000 Daltons (that is, equivalent to a PEG2000 spacer). The distal end of the dPEG® spacer is functionalized with a dibenzylcycloctyne (DBCO) group for strain-promoted, azide-alkyne cylcoaddition (SPAAC) reaction, also known as copper-free click chemistry. The DBCO can be functionalized with a suitable cytotoxic or imaging payload. The DSPE group is designed for insertion into liposomes, micelles, or other lipid nanoparticles.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	3306.083; single compound
Chemical Formula	$C_{163}H_{299}N_4O_{60}P$
Purity	> 95%
Unit Size	25 mg, 100 mg
Solubility	Methylene Chloride, Acetonitrile, DMSO, DMF, or Chloroform
Spacers	dPEG® Spacer is 152 atoms and 180.0 Å

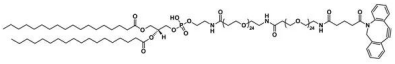
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Storage Instructions	-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in use). dPEG® pegylation compounds are generally hygroscopic and should be treated as such. This will be less noticeable with liquids, but the solids will become tacky and difficult to manipulate, if care is not taken to minimize air exposure.
Shipping Instructions	Ambient

DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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