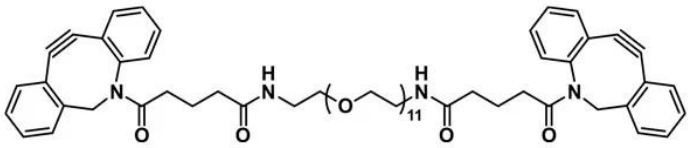
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BIS-DPEG®11-DBCO

SKU: QBD-11372



DESCRIPTION

Bis-dPEG®11-DBCO, product number QBD-11372, is a homobifunctional click chemistry crosslinker consisting of two dibenzylcyclooctyne (DBCO) groups separated by a medium-length (39 atoms, 44.2 Å), single molecular weight, discrete polyethylene glycol (dPEG®) spacer. The DBCO groups react with azide groups via the bioorthogonal click chemistry reaction known as strain-promoted azide-alkyne cycloaddition (SPAAC), also known as copper-free click chemistry. This product is particularly useful for click chemistry reactions where the presence or use of copper(I) [Cu(I)] is undesirable. Any two molecules containing accessible azide groups can be crosslinked with this compound. Applications for Bis-dPEG®11-DBCO include crosslinking biomolecules that have been modified to include azide groups and construction of complex supramolecular structures.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	1147.35; single compound
Chemical Formula	$C_{64}H_{82}N_4O_{15}$
Purity	> 98%
Unit Size	25 mg, 100 mg, 500 mg
Solubility	Methylene Chloride, Methanol, DMAC, DMF, or DMSO
Spacers	dPEG® Spacer is 39 atoms and 44.2 Å

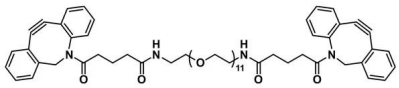
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Storage Instructions	-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when 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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