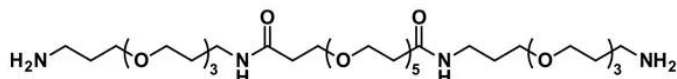




DIAMIDO-DPEG®₁₁-DIAMINE

SKU: QBD-10361



DESCRIPTION

Diamido-dPEG®₁₁-diamine, product number QBD-10361, is a water-soluble, homobifunctional, single molecular weight, discrete chain length polyethylene glycol (dPEG®) crosslinker that is 49 atoms (57.1 Å) long. Both ends of the crosslinker terminate with amino groups that react with activated carboxylates or their active esters to form stable amide bonds. Aldehydes and ketones react to form labile Schiff bases that are reducible to secondary amines for improved bond stability. This molecule is useful for modifying carboxylic acid-functionalized surfaces, small molecules with reactive carbonyl groups, and carbohydrates containing reducing sugars.

The use of Diamido-dPEG®₁₁-diamine appears in several patents. Moreover, researchers at the Karolinska Institutet, Stockholm, Sweden, reported the use of Diamido-dPEG®₁₁-diamine in an investigation of γ -secretase and its role in Alzheimer's Disease. Furthermore, Diamido-dPEG®₁₁-diamine may prove useful in the following applications:

Crosslinking peptides or other small biomolecules using available carboxylic acids, aldehydes, or ketones;

Introducing a dPEG® amine onto reducing sugars of a glycoprotein's carbohydrate coat;

Passivating nanoparticle surfaces coated with carboxylic acids or their active esters; and,

Adding a medium-length dPEG® amine at the carboxyl terminus of a peptide.

SPECIFICATIONS

CAS Number	1224728-09-9
Molecular Weight	742.94; single compound
Chemical Formula	C ₃₄ H ₇₀ N ₄ O ₁₃
Purity	> 97%

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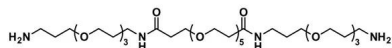


Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetontrile, DMAC, DMSO or water.
Spacers	dPEG® Spacer is 49 atoms and 57.1 Å
Storage Instructions	-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock 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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