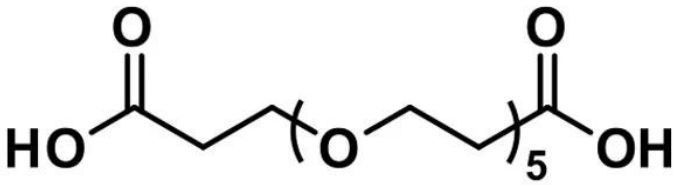
www.vectorlabs.com
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BIS-DPEG®$_5$-ACID

SKU: QBD-10230



DESCRIPTION

Bis-dPEG®5-acid, product number QBD-10230, is a short, monodisperse, homobifunctional polyethylene glycol (PEG) compound designed for crosslinking amines. Two propionic acid groups terminate either end of a discrete PEG (dPEG®) chain. These two end groups can be coupled directly to amines using a carbodiimide such as EDC. Alternatively, the carboxylate ends can be functionalized as active esters. Reactive groups such as NHS, TFP, PFP, and HOBt are suitable for this purpose. Reaction with various amines follows the activation step.

The hydrophilic dPEG® spacer imparts water solubility and flexibility to molecules to which it is conjugated. Moreover, conjugates containing dPEG® moieties have increased hydrodynamic volume. Also, the non-immunogenic crosslinker reduces or eliminates the antigenicity of the resulting conjugates.

Peptides, proteins, amine-containing biomolecules, and small molecules with primary or secondary amine groups can all be crosslinked with Bis-dPEG®5-acid. It may also be useful for peptide stapling or as a building block for macromolecular constructs.

SPECIFICATIONS

CAS Number	439114-13-3
Molecular Weight	338.35; single compound
Chemical Formula	$C_{14}H_{26}O_9$

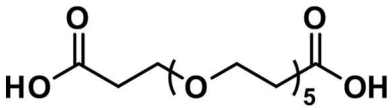
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Purity	> 98%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, DMAC, DMSO or water.
Spacers	dPEG® Spacer is 19 atoms and 21.7 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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