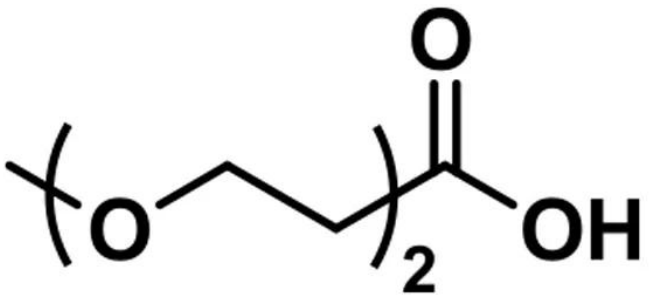
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

M-DPEG®$_2$-ACID

SKU: QBD-10326



DESCRIPTION

m-dPEG®2-acid, product number QBD-10326, is a very short, methyl-capped, discrete chain length polyethylene glycol (dPEG®) spacer. The reactive end of the molecule terminates as a propionic acid group. This group can be directly coupled to free amines on biomolecules and surfaces using EDC or another carbodiimide. Alternately, the reactive end can be functionalized with N-hydroxysuccinimide (NHS); 2,3,5,6-tetrafluorophenol (TFP); 2,3,4,5,6-pentafluorophenol (PFP); or some other activating agent for reaction with amines.

m-dPEG®2-acid can modify amine-functionalized surfaces (carbon nanotubes, other nanoparticles, quantum dots, etc.) or free amines on biomolecules (e.g., peptides and proteins). Coating surfaces or biomolecules with m-dPEG®2-acid can reduce or eliminate non-specific binding and increase hydrophilicity. Please note that modification of surface amines on biomolecules with this uncharged, methyl-capped dPEG® spacer may alter the overall charge of the resulting conjugates.

SPECIFICATIONS

CAS Number	149577-05-9
Molecular Weight	148.16; single compound

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

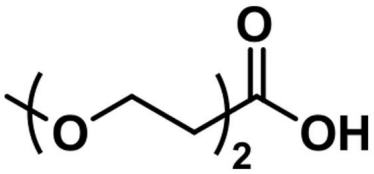
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Chemical Formula	$C_6H_{12}O_4$
Purity	> 98%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetonitrile, DMAC or DMSO.
Spacers	dPEG® Spacer is 8 atoms and 8.5 Å
Storage Instructions	-20°C; Always let come to room temperature before opening; 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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