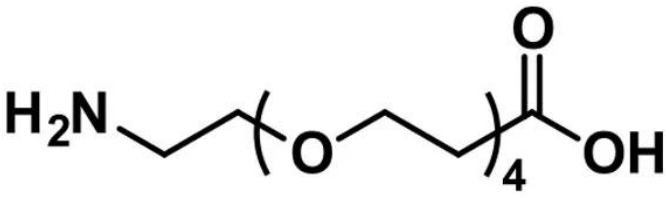
www.vectorlabs.com
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Telephone: (650) 697-3600

AMINO-DPEG®₄-ACID

SKU: QBD-10244



DESCRIPTION

Amino-dPEG®4-acid, product number QBD-10244, is an amino PEG acid. A primary amine and propionic acid terminate the ends of the polyethylene glycol (PEG) spacer. The single molecular weight PEG spacer is discrete (Đ = 1) and highly hydrophilic. Consequently, it increases the hydrodynamic volume and imparts water solubility to conjugates that incorporate it.

Both ends of the molecule are available for conjugation. Conjugation of only one end of the dPEG® spacer may modify the overall charge of the conjugate. Many different types of coupling reactions are effective for this purpose. However, care should be taken not to use single-step EDC coupling, as this will polymerize the dPEG® product.

In the scientific literature, this product has been used to modify diverse compounds, including protein microarrays, biological molecules such as antibodies, RGD dimers, and labeled nucleotides. In each case, amino-dPEG®4-acid was shown to improve sensitivity by increasing the signal-to-noise ratio, reducing non-specific binding, or both.

SPECIFICATIONS

CAS Number	663921-15-1
Molecular Weight	265.30; single compound
Chemical Formula	$C_{11}H_{23}NO_6$
Purity	> 98%

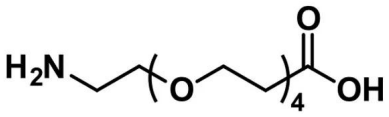
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Unit Size	100 mg, 1000 mg
Solubility	DMAC or DMSO or water.
Spacers	dPEG® Spacer is 16 atoms and 18.0 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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