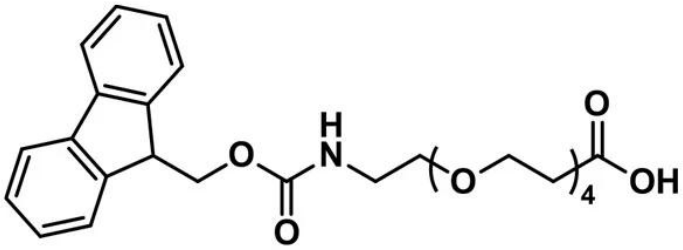
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

FMOC-N-AMIDO-DPEG®₄-ACID

SKU: QBD-10213



DESCRIPTION

Fmoc-N-amido-dPEG®4-acid, product number QBD-10213, is one of a broad line of products designed for use in peptide synthesis. The short (16 atoms), discrete PEG (dPEG®) spacer is functionalized with a propionic acid group on one end and an Fmoc-protected amine on the other. The compound can be added to the N-terminus of a growing peptide chain or to a primary-amine-functionalized side chain of an amino acid such as lysine. The dPEG®4 spacer imparts water solubility to the peptide to which it is conjugated.

QBD-10213 permits our customers to insert a short (16 atoms) dPEG® into a peptide chain using familiar Fmoc chemistry. The product works equally well in solid phase and solution phase synthetic processes. The dPEG® can be inserted at either end of the peptide chain or in the middle of two amino acid sequences to provide a flexible spacer between distinct functional peptides. Additionally, the short dPEG® spacer can be used to provide extra distance in a synthetic construct where steric hindrance is a problem. The amphiphilic nature of dPEG® means that the construct will gain some degree of water solubility while remaining soluble in organic solvent. The Fmoc protecting group removes easily with a solution of piperidine in N,N-dimethylformamide (DMF).

SPECIFICATIONS

CAS Number	557756-85-1

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

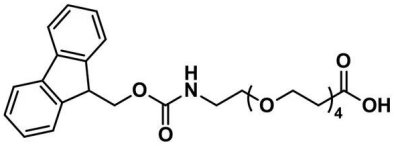
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Molecular Weight	487.54; single compound
Chemical Formula	$C_{26}H_{33}NO_8$
Purity	> 98%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetontrile, DMAC or DMSO.
Spacers	dPEG® Spacer is 16 atoms and 18.0Å
Storage Instructions	-20°C; Always 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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