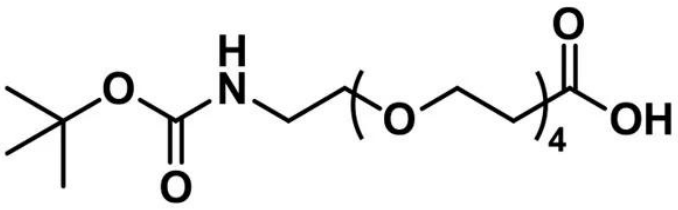
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

T-BOC-N-AMIDO-DPEG®₄-ACID

SKU: QBD-10220



DESCRIPTION

t-boc-N-amido-dPEG®4-acid, product number QBD-10220, is a boc-protected amino-PEG-acid designed for use in Boc-based peptide chemical synthesis. This product allows the insertion of a short hydrophilic PEG linker into a growing PEG chain or on an amino acid side chain in the peptide. The Boc protecting group removes relatively easily under acidic conditions.

t-boc-N-amido-dPEG®4-acid can be used in Boc solid-phase peptide synthesis to insert a discrete PEG linker/spacer at the N-terminus of a peptide chain or to add a short (16 atoms) dPEG® onto the side chain of an amino acid such as lysine or ornithine. The Boc protecting group can be cleaved using TFA, HF, or trifluoromethane sulfonic acid (TFMSA). Insertion of t-boc-N-amido-dPEG®4-acid at the N-terminus of a peptide allows the creation of a flexible, hydrophilic bridge to the C-terminus of another peptide.

SPECIFICATIONS

CAS Number	756525-91-4
Molecular Weight	365.42; single compound
Chemical Formula	$C_{16}H_{31}NO_8$
Purity	> 98%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetonitrile, DMAC or DMSO.
Spacers	dPEG® Spacer is 17 atoms and 19.2 Å

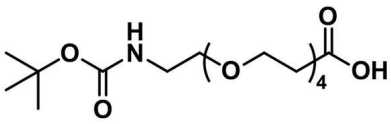
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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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