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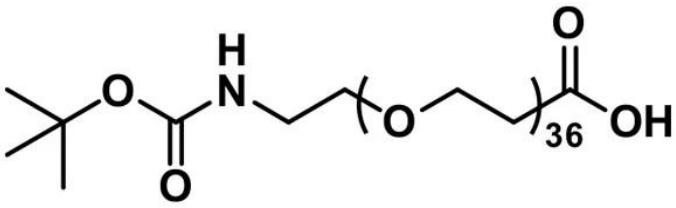
T-BOC-N-AMIDO-DPEG®36-ACID

SKU: QBD-10902



DESCRIPTION

t-boc-N-amido-dPEG®36-acid, product number QBD-10902, is composed of a boc-protected primary amine and a propionic acid group on opposite ends of an extended (111 atoms, 132.7 Å), single molecular weight, discrete PEG (dPEG®) linker. Designed for use in Boc-based peptide chemical synthesis, t-boc-N-amido-dPEG®36-acid can be used to insert a discrete PEG linker/spacer at the N-terminus of a peptide chain or to add a dPEG® onto the side chain of an amino acid such as lysine or ornithine. Insertion of t-boc-N-amido-dPEG®36-acid at the N-terminus of a peptide allows the creation of a flexible, hydrophilic bridge to the C-terminus of another peptide. The Boc protecting group cleaves easily under acidic conditions with, for example, TFA. This compound can also be used to modify amine-functionalized surfaces to passivate them with a hydrophilic spacer. Removal of the boc group with acid allows for functionalization of the surface with peptides, proteins, or small molecules.

SPECIFICATIONS

CAS Number	187848-68-6
Molecular Weight	1775.10; single compound
Chemical Formula	$C_{80}H_{159}NO_{40}$
Purity	> 97%
Unit Size	100mg, 1000mg
Solubility	Methylene chloride, Acetonitrile or water.

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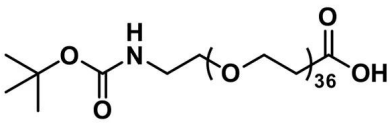
Spacers	dPEG® Spacer is 111 atoms and 132.7 Å
Storage Instructions	-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions can be prepared with dry solvent and kept for several days (freeze when not in 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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