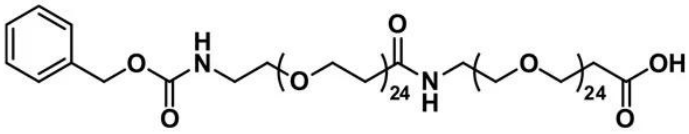
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CBZ-AMIDO-DPEG®24-AMIDO-DPEG®24-ACID

SKU: QBD-11304



DESCRIPTION

CBZ-N-amido-dPEG®24-amido-dPEG®24-acid, product number QBD-11304, is a benzyloxycarbonyl (Cbz) N-protected amino-dPEG®-acid that provides a very long (152 atoms, 178.7 Å), single molecular weight discrete PEG (dPEG®) spacer. It can be used in peptide synthesis as well as in many other reactions. Removal of the Cbz protecting group often is orthogonal to the removal of other protecting groups. The carboxylic acid end of the dPEG® linker can be conjugated to free amines, such as the side chain of lysines, using a carbodiimide like EDC, or by activation with an acylating agent like NHS or TFP.

The Cbz protecting group (also called the Z protecting group) is one of the most popular protecting groups for amines. It is stable to base and mildly acidic conditions. It can be cleaved by a variety of methods. The most popular cleavage technique is hydrogenolysis using palladium black or palladium on carbon.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	2408.85; single compound
Chemical Formula	$C_{110}H_{210}N_2O_{53}$
Purity	> 97%
Unit Size	100 mg, 1000 mg
Solubility	Methylene Chloride, DMSO, DMAC, DMF, Methanol, Acetonitrile or Chloroform.

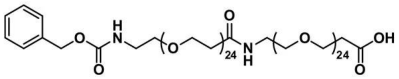
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Spacers	dPEG® Spacer is 152 atoms and 178.7 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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