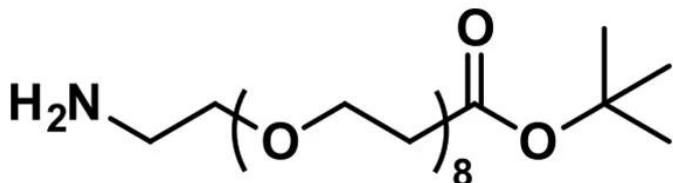




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SKU: OBD-10271



Amino-dPEG®8-t-butyl ester, product number QBD-10271, is a carbonyl- and amine-reactive, single molecular weight polyethylene glycol (PEG) product with a discrete chain length. The compound consists of a primary amine and a propionic acid tert-butyl ester on opposite ends of a discrete PEG (dPEG®) spacer. The amine end of the molecule reacts readily with aldehydes and ketones to form reducible Schiff bases and with carboxylic acids and their active esters (NHS, TFP) to form amide bonds. A tert-butyl ester group protects the propionic acid end of the product. The ester is cleavable with trifluoroacetic acid (TFA), leaving the propionic acid moiety free to react with amines either by activation with an acylation reagent or by direct coupling to an amine using a carbodiimide.

This product can be used in peptide synthesis, protein modification, other forms of supramolecular construction, and as a monoprotected heterobifunctional crosslinker. The dPEG® spacer is not a dispersed polymer with a range of chain lengths and molecular weights but a very high purity, single molecular weight PEG chain with a discrete chain length. One of the advantages of dPEG® compounds is that analyses of conjugates made with dPEG® linkers are simplified since only one chain length and molecular weight of PEG is present. Moreover, our amphiphilic dPEG® products impart water solubility to conjugates made with them, often improving the performance of the conjugate compared to the parent molecule.

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

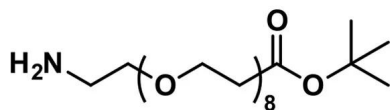
Amino-dPEG®₈-t-butyl ester

<https://vectorlabs.com/products/amino-dpeg8-t-butyl-ester/>



DOCUMENTS

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