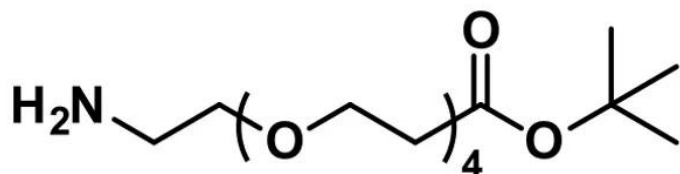


AMINO-DPEG®₄-T-BUTYL ESTER

SKU: QBD-10221



Amino-dPEG®₄-t-butyl ester, product number QBD-10221, is a PEG modification reagent consisting of a primary amino group and the tert-butyl ester of a propionic acid group on either end of a monodisperse PEG₄ spacer. The terminal amine reacts with carboxylates to form amide bonds and with aldehydes and ketones to form semi-labile, reducible Schiff bases. Trifluoroacetic acid (TFA) effectively removes the tert-butyl ester protecting group, thus freeing the propionic acid for reaction with amines or formation of an active ester with N-hydroxysuccinimide (NHS) or 2,3,5,6-tetrafluorophenol (TFP).

Specifications

Unit Size	100 mg, 1000 mg
Molecular Weight	321.41; single compound
Chemical formula	C ₁₅ H ₃₁ NO ₆
CAS	581065-95-4
Purity	> 98%
Spacers	dPEG® Spacer is 16 atoms and 18.0 Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Methylene chloride, DMAC, or DMSO.

For research use only. Not intended for animal or human therapeutic or diagnostic use.

Storage and handling

-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.

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