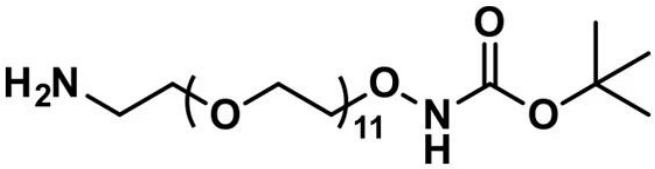
www.vectorlabs.com
e: customerservice@vectorlabs.com
t: (650) 697-3600

AMINO-DPEG®$_{11}$-ONH-T-BOC

SKU: QBD-11112



Amino-dPEG®11-ONH-t-boc, product number QBD-11112, is a PEGylation reagent that is useful as a building block or modifier. The medium-length (38 atoms, 43.8 Å), single molecular weight discrete PEG (dPEG®) spacer is functionalized with a primary amine and a boc-protected oxyamine at opposite ends of the dPEG® chain. The amine reacts with carboxylic acids and their active esters (NHS, TFP, PFP, etc.) to form stable amide bonds. The oxyamine group reacts with aldehydes and ketones to form non-labile oxime bonds, following removal of the boc protecting group with formic acid or trifluoroacetic acid. The flexible dPEG® spacer increases conjugate molecules' hydrodynamic volume and increases their water solubiliby. Uses for this compound include building novel crosslinkers and designing water-soluble payload delivery systems.

Specifications

Unit Size	100mg, 1000mg
Molecular Weight	660.79; single compound
Chemical formula	$C_{29}H_{60}N_2O_{14}$
CAS	N/A
Purity	> 97%
Spacers	dPEG® Spacer is 38 atoms and 43.8 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.