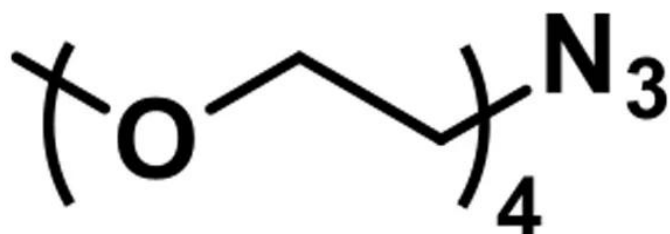


M-DPEG®₄-AZIDE (AZIDO-M-DPEG®₄)

SKU: QBD-10532



m-dPEG®₄-azide, product number 10532, also known as azido-m-dPEG®₄, is a monodispersed PEG product used in click chemistry applications. A non-reactive, charge-neutral methyl group and an alkyne-reactive azido group, respectively, terminate the two ends of the short (14 atoms), single molecular weight, discrete PEG (dPEG®) spacer. Both metal-catalyzed (Cu(I), Ru) azide-alkyne cycloaddition (CuAAC, RuAAC) and strain-promoted azide-alkyne cycloaddition (SPAAC) work with this product. Possible click chemistry-based applications for this product include the construction of dendrimers and hydrogels and the modification of alkyne-functionalized surfaces or biomolecules containing alkyne groups.

Specifications

Unit Size	100 mg, 1000 mg
Molecular Weight	233.26; single compound
Chemical formula	C ₉ H ₁₉ N ₃ O ₄
CAS	606130-90-9
Purity	> 98%
Spacers	dPEG® Spacer is 14 atoms and 15.5 Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Methylene chloride, Acetonitrile, DMAC, DMSO or water.

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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