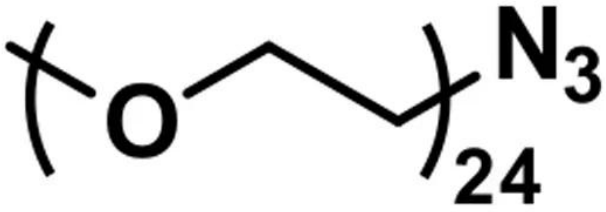
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

M-DPEG®24-AZIDE (AZIDO-M-DPEG®24)

SKU: QBD-10540



DESCRIPTION

m-dPEG®24-azide, product number QBD-10540, also known as azido-m-dPEG®24, 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 long (74 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

CAS Number	89485-61-0
Molecular Weight	1114.32; single compound
Chemical Formula	$C_{49}H_{99}N_3O_{24}$
Purity	> 97%
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetonitrile, DMAC, DMSO or water.
Spacers	dPEG® Spacer is 74 atoms and 86.9 Å

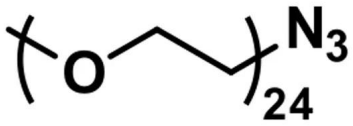
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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



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