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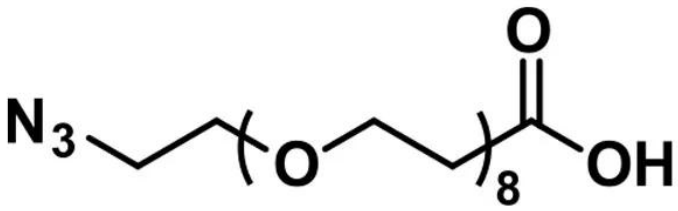
AZIDO-DPEG®₈-ACID

SKU: QBD-10512



DESCRIPTION

Azido-dPEG®8-acid, product number QBD-10512, is a click chemistry reagent consisting of an azide group on one end of a medium-length (28 atoms), single molecular weight PEG linker with a discrete chain length (dPEG®) and a propionic acid group on the other end. The azide moiety can be used for copper(I)-catalyzed click chemistry or copper free click chemistry. The propanoic acid moiety can be coupled to a primary or secondary amine by an acylation reaction. The amphiphilic dPEG® linker adds water solubility to conjugated molecules.

Activation of the propanoic acid moiety with an acylating agent enables conjugation of azido-dPEG®8-acid to a primary or secondary amine. Popular acylating agents include such as N-hydroxysuccinimide (NHS); 2,3,5,6-tetrafluorophenol (TFP); or 2,3,4,5,6-pentafluorophenol (PFP). Alternatively, 1-Ethyl-3-(3-dimethylaminopropyl) carbodiimide (EDC) or another suitable carbodiimide can be used to couple the acid moiety directly to an amine without prior activation.

SPECIFICATIONS

CAS Number	1214319-92-2
Molecular Weight	467.51; single compound
Chemical Formula	$C_{19}H_{37}N_3O_{10}$
Purity	> 98%

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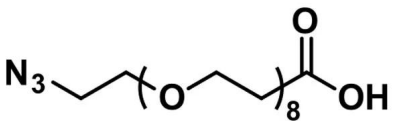
Unit Size	100 mg, 1000 mg
Solubility	Methylene chloride, Acetonitrile, DMAC or DMSO.
Spacers	dPEG® Spacer is 28 atoms and 32.2 Å
Storage Instructions	-20°C; Always let come to room temperature before opening; be careful to limit exposure to moisture and restore under an inert atmosphere; stock solutions 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



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