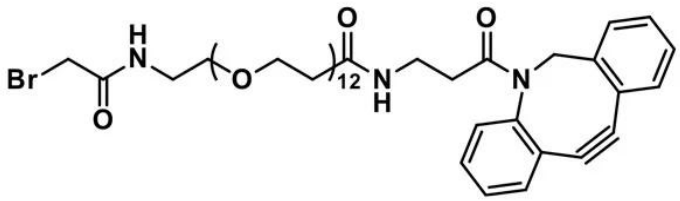
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BROMOACETAMIDO-DPEG®$_{12}$-AMIDO-DBCO

SKU: QBD-11223



DESCRIPTION

Bromoacetamido-dPEG®12-amido-DBCO, product number QBD-11223, combines a thiol-reactive bromoacetyl group with dibenzylcyclooctyne (DBCO, also known as DIBAC), a copper-free click chemistry reactive group. The two reactive groups link via a medium-length (40 atoms, 46.1 Å), flexible, single molecular weight, discrete polyethylene glycol (dPEG®) linker. The bromoacetyl group reacts chemoselectively with thiols at pH ≥ 8.0. This differs from the maleimide group, which reacts chemoselectively with sulfhydryls within the range of pH 6.5 – 7.5. The DBCO moiety is a strained cyclooctyne ring flanked by two benzyl rings on either side. DBCO was designed for strain promoted azide-alkyne cycloaddition (SPAAC), also known as copper-free click chemistry.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	996.974; single compound
Chemical Formula	$C_{47}H_{70}BrN_3O_{15}$
Purity	> 98%
Unit Size	25 mg, 100 mg, 500 mg
Solubility	Methylene Chloride, Methanol, Acetonitrile, DMF, DMAC, or DMSO.
Spacers	dPEG® Spacer is 40 atoms and 46.1 Å

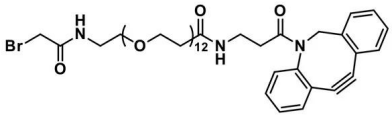
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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



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