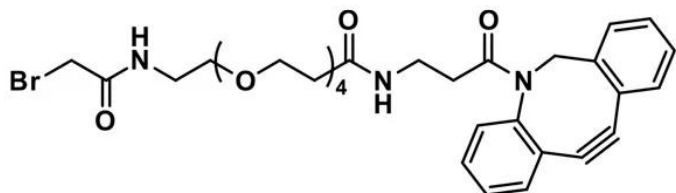


BROMOACETAMIDO-DPEG®4-AMIDO-DBCO

SKU: QBD-11221



Bromoacetamido-dPEG®4-amido-DBCO, product number 11221, 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 short (16 atoms, 17.9 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

Unit Size	25 mg, 100 mg, 500 mg
Molecular Weight	644.55; single compound
Chemical formula	C ₃₁ H ₃₈ BrN ₃ O ₇
CAS	N/A
Purity	> 98%
Spacers	dPEG® Spacer is 16 atoms and 17.9 Å
Shipping	Ambient
Typical solubility properties (for additional information contact Customer Support)	Methylene Chloride, Methanol, Acetonitrile, DMF, 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.

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