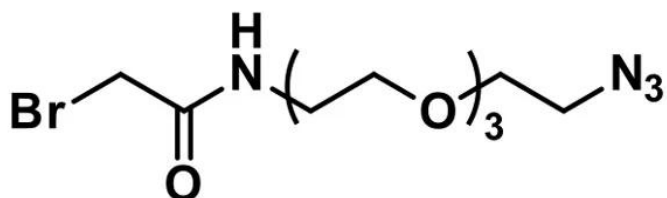


BROMOACETAMIDO-DPEG®₃-AZIDE

SKU: QBD-11217



Bromoacetamido-dPEG®₃-azide, product number QBD-11217, is discrete PEG (dPEG®) crosslinker that facilitates the crosslinking of free thiols with click chemistry alkyne partners across a short (16 atoms, 17.5 Å) single molecular weight PEG bridge.

The short, amphiphilic dPEG® linker adds hydrodynamic volume to conjugate molecules and increases their water solubility. The flexible, non-immunogenic spacer can reduce or eliminate renal clearance and help shield conjugates from opsonization through the increased hydrodynamic volume the dPEG® linker imparts.

The bromoacetate moiety reacts chemoselectively with free thiols at pH >8.0. It is an alternative to the maleimide group and is used in situations where the target molecule needs to be at a high pH. The azide group reacts with a suitable alkyne partner via metal-catalyzed (Cu, Ru) or strain-promoted (copper-free) click chemistry. Moreover, Bromoacetamido-dPEG®₃-azide is stable, unlike MAL-PEG-azide constructs, which are somewhat unstable.

Specifications

Unit Size	100 mg, 1000 mg
Molecular Weight	339.19; single compound
Chemical formula	C ₁₀ H ₁₉ BrN ₄ O ₄
CAS	N/A
Purity	> 98%
Spacers	dPEG® Spacer is 16 atoms and 17.5 Å
Shipping	Ambient

For research use only. Not intended for animal or human therapeutic or diagnostic use.

**Typical solubility
properties (for
additional information
contact Customer
Support)**

Methylene Chloride, Methanol, Acetone, Acetonitrile, DMF, or DMSO.

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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