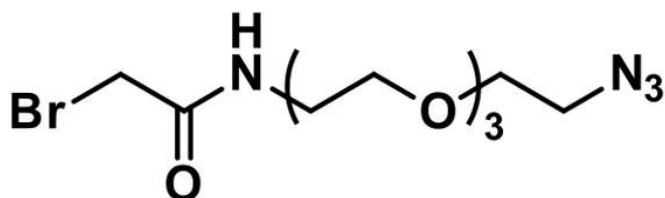




BROMOACETAMIDO-DPEG®₃-AZIDE

SKU: QBD-11217



DESCRIPTION

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

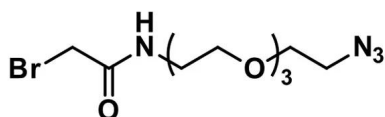
CAS Number	N/A
Molecular Weight	339.19; single compound
Chemical Formula	C ₁₀ H ₁₉ BrN ₄ O ₄
Purity	> 98%

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



DOCUMENTS

- ## GALLERY IMAGES



<https://vectorlabs.com/products/bromoacetamido-dpeg3-azide/>