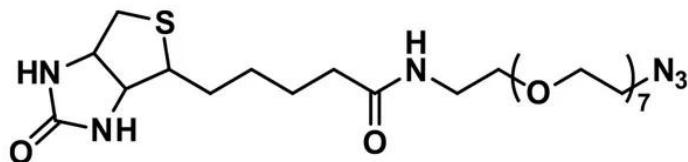




SKU: OBD-10825



Biotin-dPEG® 7-azide, product number QBD-10825, is a water-soluble biotinylation product functionalized with azide for click chemistry use on a short (27 atoms, 30.7 Å) single molecular weight, discrete PEG (dPEG®) chain. This product enables the biotinylation of molecules alkyne-containing molecules and surfaces using either metal-catalyzed (CuAAC, RuAAC) or strain-promoted azide-alkyne cycloaddition (SPAAC) chemistry. Moreover, the hydrophilic discrete PEG spacer makes biotin highly water soluble, reducing or eliminating aggregation and precipitation of biotin-labeled biomolecules triggered by hydrophobic interactions. Consequently, these products allow new types of biotinylated constructs.

Because Biotin-dPEG® 7-azide is a single molecular weight dPEG® product, analysis of the resulting conjugates is simplified. The researcher using this product does not have to analyze a variety of PEG chain lengths and molecular weights. Instead, the well-defined dPEG® product will yield predictable, identifiable conjugates. When using Biotin-dPEG® 7-azide with proteins or peptides engineered to contain alkyne side chains at specific locations, both the number and location of conjugation sites are predictable.

As a biotinylation reagent, Biotin-dPEG®7-azide works in various applications. Pull-down assays, affinity purification, plate-type assays such as ELISA, and supramolecular construction can all incorporate Biotin-dPEG®7-azide.

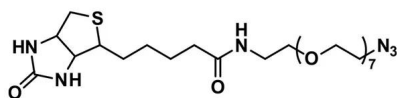
SPECIFICATIONS

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



DOCUMENTS

- ## GALLERY IMAGES



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