

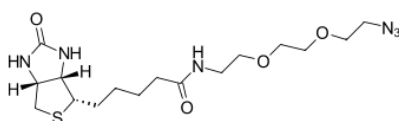
Biotin-PEG3-azide

<http://www.lumiprobe.com/p/biotin-peg3-azide>

Biotin-PEG3-azide is a click chemistry biotinylation tool. This reagent allows the labeling of alkynylated molecules (such as DNA, oligonucleotides, and proteins) with biotin via copper-catalyzed or copper-free click reaction. Biotin-labeled biomolecules can be bound to avidin or streptavidin for further purification and detection.

This structure of biotin azide features a long hydrophilic PEG3 linker that separates biotin residue from the target molecule for efficient binding with streptavidin. Its linker also enhances aqueous solubility to facilitate conjugation.

The azide can be conjugated with various molecules using our recommended protocol.



Biotin azide structure

General properties

Appearance: colorless solid

Molecular weight: 400.50

CAS number: 1910803-72-3

Molecular formula: $C_{16}H_{28}N_6O_4S$

Solubility: soluble in DMF, DMSO, moderately soluble in water

Quality control: NMR 1H (95%) and ^{13}C , TLC, functional testing

Storage conditions: Storage: 24 months after receipt at -20°C. Transportation: at room temperature for up to 3 weeks.

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