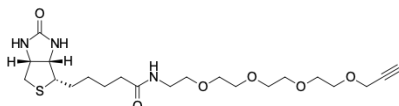


## Biotin-PEG4-alkyne

<http://www.lumiprobe.com/p/biotin-peg4-alkyne>

Biotin-PEG4-alkyne is a click chemistry biotinylation tool. This reagent allows the labeling of azide-containing molecules with biotin via copper-catalyzed click reaction. Biotin-labeled biomolecules can be bound to avidin or streptavidin for further purification and detection.

This structure of biotin alkyne features a long hydrophilic PEG4 linker that separates biotin residue from the target molecule for efficient binding with streptavidin. Its linker also enhances aqueous solubility to facilitate conjugation.



**Structure of Biotin-PEG4-alkyne**

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### General properties

Appearance: white powder

Molecular weight: 457.59

CAS number: 1262681-31-1

Molecular formula:  $C_{21}H_{35}N_3O_6S$

Solubility: good in water, DMSO, DCM, DMF

Quality control: NMR  $^1H$  and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at  $-20^{\circ}C$  in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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