

## **Biotin-PEG2-alkyne**

## http://www.lumiprobe.com/p/biotin-peg2-alkyne

Biotin-PEG2-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 hydrophilic PEG2 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-PEG2-alkyne

## **General properties**

Appearance:	white powder
Molecular weight:	369.48
CAS number:	2227450-68-0
Molecular formula:	$C_{17}H_{27}N_3O_4S$
Solubility:	in water, DMSO, DCM, DMF
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
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