

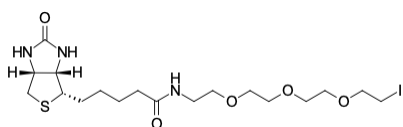
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## Biotin-PEG4-iodide

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

Biotin-PEG4-iodide is a highly reactive biotinylation reagent. The iodide group participates in nucleophile substitution reactions and can readily and efficiently interact with various C-, N-, O-, and S-nucleophiles. Biotin-labeled compounds can then be linked to avidin or streptavidin for further purification or detection.

This reagent features a long PEG4-linker that separates the biotin residue from the target molecule, ensuring efficient binding to avidin or streptavidin. The linker also increases the compound's water solubility, thereby facilitating bioconjugation.



**Structure of Biotin-PEG4-iodide**

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### General properties

Appearance: white solid

Molecular weight: 529.44

Molecular formula:  $C_{18}H_{32}IN_3O_5S$

Solubility: good in water, DMSO, DCM, DMF

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

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