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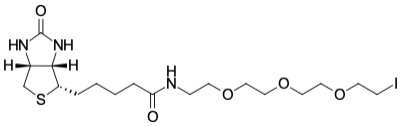
Biotin-PEG4-iodide

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

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 ^{1}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.