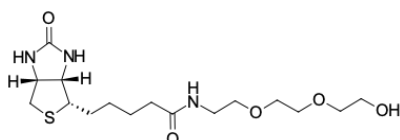


## Biotin-PEG3-OH

<http://www.lumiprobe.com/p/biotin-peg3-oh-289714-02-9>

Bifunctional triethyleneglycol (PEG3) linker with biotin and hydroxyl moieties. The terminal hydroxyl group in the crosslinker can react with esters, azides, amines, and halogen derivatives in various conditions. 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.



**Structure of Biotin-PEG3-OH**

### General properties

Appearance: white solid

Molecular weight: 375.49

CAS number: 289714-02-9

Molecular formula:  $C_{16}H_{29}N_3O_5S$

IUPAC name: N-(2-(2-(2-Hydroxyethoxy)ethoxy)ethyl)-5-(2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanamide

Solubility: water, DMSO, DMF, alcohols

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.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.