

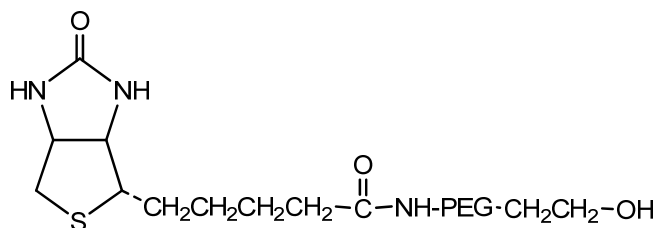
**TECHNICAL DATA SHEET****Biotin PEG OH, MW 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-BNOH-1k, 2k, 3k, 5k, 10k, 20k, 30k.

Synonym: Biotin PEG hydroxy, Hydroxyl PEG Biotin

**Description:**

**Hydroxy PEG Biotin (Biotin-PEG-OH)** is one of Nanocs' heterobifunctional **biotin PEG** derivatives that have a terminal hydroxyl group. Biotin is a small bioactive molecule that has high affinity toward avidin or streptavidin. Biotin/streptavidin system has been widely used in molecule detection, bioassays and drug delivery applications. Hydroxyl group can be activated to react with other functional groups to allow the attachment of biotin tag to other molecule or material surface. PEG linker between biotin and hydroxy group offers better water solubility, flexible linker structure and enhanced stability. These PEG biotin derivatives are soluble in water and all reactions can be carried out directly in aqueous buffer without adding any organic solvents.

**Product Structure:****Product Specifications:**

- Composition: **Biotin PEG OH.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO, etc.
- Function group: Biotin.
- Reactive group: Hydroxyl (-OH).

**Handling and Use:**

For best use, **Biotin PEG Hydroxy** products should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit [www.nanocs.net](http://www.nanocs.net).

**Storage Conditions:**

**Hydroxyl PEG Biotin PEG** should be stored at -20 °C. Materials may be handled under inert gas for best stability.

**This product is for research use only and is not intended for use in humans or for diagnostic use.**

**Related Products:**Biotin PEG NHS  
Biotin PEG OPSS  
Biotin PEG COOHBiotin PEG Maleimide  
Biotin PEG Amine  
Biotin PEG Azide**To Order:**Order online: **[www.nanocs.net](http://www.nanocs.net)**Order by Email: [sales@nanocs.com](mailto:sales@nanocs.com)

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