

TECHNICAL DATA SHEET

Biotin PEG hydrazide

Catalog Numbers: PG2-BNHZ-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Hydrazide PEG Biotin

Description:

Biotin PEG Hydrazide is one of Nanocs Biotin PEG derivatives that can react with **aldehyde** or **ketone** groups derived from polysaccarides or glycoproteins. Hydrazide reacts readily with aldehyde or ketone to form a stable hydrazone linkage, which is more stable than the Schiff base formed between amine and aldehyde group. Reaction between hydrazide and carbonyl group allows the attachment of PEG biotin tag to targeted molecules and other materials quickly and efficiently. Attached biotin molecule can be easily detected by avidin or streptavidin probes. PEG linker between biotin and hydrazide group offers better water solubility, flexible linker structure and enhanced stability.

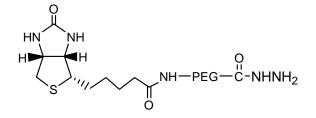
Handling and Use:

Biotin PEG hydrazide is relatively stable in low temperature. For best use, material 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.

Storage Conditions:

Hydrazide PEG Biotin should be stored at -20 ^oC. Desiccate. Materials may be handled under inert gas for best stability. Re-test material after 12 months.

Product Structure:



Product Specifications:

- Composition: Biotin PEG hydrazide.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water and DMSO.
- Reactive groups: Biotin and hydrazide.
- Reactive to: Avidin and Aldehyde.

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

To Order:	
Order online:	www.nanocs.net
Order by Email:	sales@nanocs.com
Order by phone:	1(800) 388-4221; 1(888) 908-8803
For more information, visit www.nanocs.net	

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.