

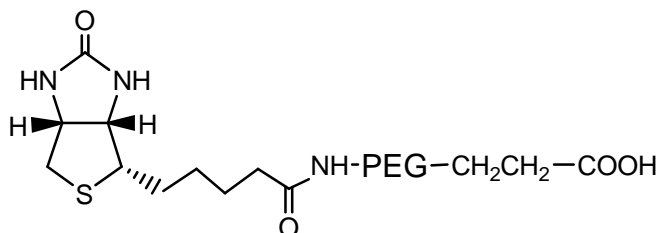
TECHNICAL DATA SHEET**Biotin PEG Acid, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-BNCA-400, 600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Biotin PEG COOH, Carboxylic acid PEG Biotin

Description:

Carboxylic PEG Biotin (Biotin-PEG-COOH) is one of Nanocs' reactive biotinylation PEG reagents that have a biotin and a carboxylic group on each PEG terminus. Biotin is a commonly used bioactive molecule to target and bind to avidin or streptavidin. Carboxylic acid group can be activated with many coupling reagents to react with amine or hydroxyl groups. Reactions from carboxylic acid allow the quick and efficient conjugation of biotin tag to various biomolecules such as proteins, antibodies or particles. PEG linker between biotin and carboxylic group offers better water solubility, flexible linker structure and enhanced stability. **Pegylated biotins** show high binding affinity toward avidin or streptavidin and they can be used for bioassay development, cellular imaging or drug delivery.

Product Structure:**Product Specifications:**

- Composition: **Biotin PEG acid.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, ethanol, chloroform, DMSO.
- Function group: Biotin.
- Reactive group: Carboxylic acid (-COOH).

Handling and Use:

Biotin PEG acid is sensitive to moisture and 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:

Carboxylic PEG biotin should be stored at -20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability. Re-test material after 12 months.

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 Maleimide
Biotin PEG Azide	Biotin PEG Thiol
Biotin PEG FITC	Biotin PEG amine

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