

TECHNICAL DATA SHEET

Biotin PEG Amine, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k

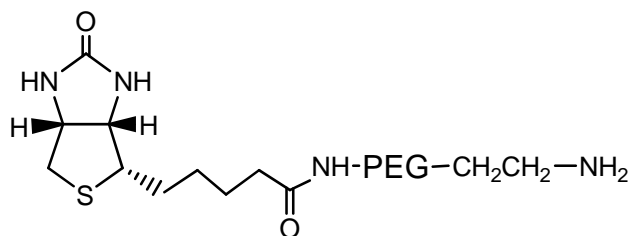
Catalog Numbers: PG2-AMBN-400, 600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Amino PEG biotin, Biotin PEG NH₂, Amine PEG biotin

Description:

Biotin PEG amine (biotin-PEG-NH₂), also called amino PEG biotin, is one of Nanocs' reactive biotinylation PEG derivatives that can be used to attach biotin tag to proteins, peptides, particles and other materials surfaces via its reactive amine group (-NH₂). Amine group reacts readily with a number of amine reactive groups, such as succinimidyl ester (NHS), COOH, aldehyde, etc to form stable covalent bonds. Pegylated biotin has high affinity toward avidin or streptavidin. Biotin/avidin system has been used widely in biomolecule detection and separation. PEG linker between biotin and amine offers better water solubility, flexible linker structure and enhanced stability. More notably, Nanocs' biotin PEG amine is water soluble, all reactions or assays can be carried out in aqueous buffer without need any organic solvents.

Product Structure:



Product Specifications:

- Composition: **Biotin PEG amine.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Function group: **Biotin.**
- Reactive group: **Amine (-NH₂).**

Handling and Use:

Biotin PEG amine 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:

Amino PEG biotin should be stored at -20 °C. Desiccate. 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 COOH

To Order:

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