

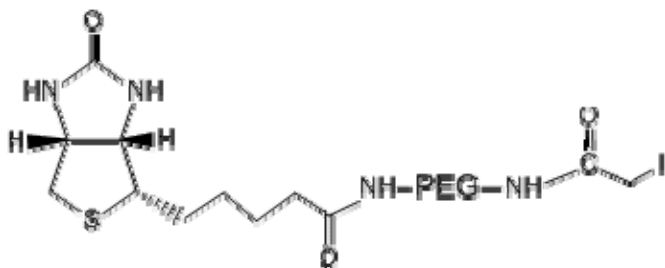
TECHNICAL DATA SHEET**Iodoacetyl PEG Biotin, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Iodoacetate PEG Biotin, Iodoacetamide PEG Biotin, Biotin PEG Iodoacetamide

Description:

Iodoacetyl PEG Biotin, also called Biotin PEG Iodoacetamide, is one of Nanocs' thiol reactive biotin PEG crosslinkers. Iodoacetyl group reacts readily with free thiol groups at physiological pH. Reaction between iodoacetyl and thiol group allows attachment of PEG biotin to targeted substrates quickly and efficiently. Biotin is a small molecule with high binding affinity toward avidin or streptavidin. Biotin/streptavidin system has been widely used in biomolecule detection and purification. Pegylated Iodoacetyl biotin is readily soluble in aqueous buffer. Biotinylation reaction of various biomolecules, such as antibodies, proteins, peptides or enzymes can be easily carried out with this reagent without need any toxic organic solvents. PEG linker between Iodoacetate and biotin offers good water solubility, flexible spacer length and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: **Iodoacetyl PEG Biotin.**
- Appearance: off-white/pale-yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive group: Iodoacetyl.
- Reactive to: Thiol.

Handling and Use:

Iodoacetyl PEG biotin 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:

Biotin PEG Iodoacetamide 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:

Iodoacetyl PEG NH₂
Iodoacetyl PEG FITC
Iodoacetyl PEG Azide

Iodoacetyl PEG COOH
Iodoacetyl PEG Maleimide
Iodoacetyl PEG DBCO

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