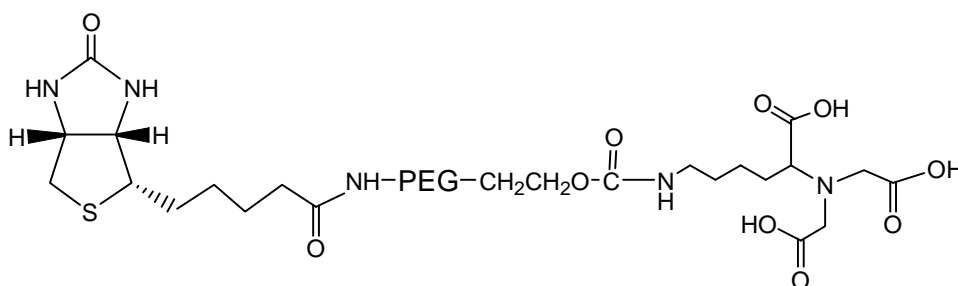


TECHNICAL DATA SHEET**NTA PEG Biotin, MW 2000, 3400, 5000, 10k**

Catalog Numbers: PG2-BNNTA-2k, 3k, 5k, 10k.

Description:

NTA PEG Biotin is one of Nanocs' metal chelating PEG derivatives that contain a biotin functional molecule. NTA (Nitrilotriacetic acid) is a commonly used metal chelating ligand that has excellent affinity toward Nickel, copper, iron and many other metal ions. NTA modified resins have been used for His-tag protein purification for many years. Nanocs offers many different NTA PEG products that can be used to attach to resins, particles and array surface. Functional NTA PEGs can be directly used for molecule capture, detection and identification. Biotin functionalized NTA PEG has high affinity toward avidin or streptavidin. Binding between biotin and avidin/streptavidin allows quick and efficient attachment of PEG NTA to various material surfaces. These NTA PEG modified material can be used for biomolecule detection and purification.

Product Structure:**Product Specifications:**

- Composition: **NTA PEG Biotin.**
- Appearance: White to off-white solid.
- Solubility: >5 mg/mL in hot water, chloroform, ethanol, etc.
- Stability: 12 months at -20 °C.

Handling and Use:

NTA PEG Biotin 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:

NTA PEG Biotin should be stored at -20 °C. Desiccate. 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.

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