

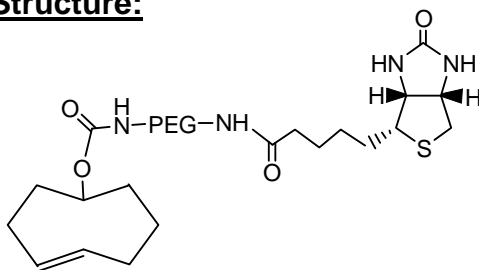
TECHNICAL DATA SHEET**TCO PEG Biotin, MW 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-BNTC-2k, 3k, 5k, 10k, 20k

Synonym: Biotin PEG TCO, Transcyclooctene PEG Biotin

Description:

TCO PEG Biotin is one of Nanocs' biotinylation PEG reagent that can react with tetrazine group via copper free Click Chemistry. TCO (transcyclooctene) is reactive toward tetrazine group. Click chemistry reaction between tetrazine and TCO is a bioorthogonal reaction that enables the conjugation of two molecules in aqueous solution fast and efficiently. Click chemistry reaction between TCO and tetrazine allows quick and efficient conjugation of biotin tag to proteins, antibodies and many other substrates. Biotin conjugated substrates thus can be used for molecule detection, imaging and delivery. Compared to other click chemistry reagents, TCO PEG derivatives have excellent water solubility; possess fast kinetics and have high stability in aqueous buffer; all reactions can be carried out in aqueous buffer without need adding any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **TCO PEG Biotin.**
- Appearance: White solid, semi-solid depends on molecular weight.
- Solubility: 5 mg/mL, clear in water, chloroform, DMSO.
- Reactive groups: TCO.
- Reactive to: Tetrazine.

Handling and Use:

TCO PEG Biotin is sensitive to light and temperature. For best use, material should always be kept in low temperature in dry condition. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Biotin PEG TCO should be stored at -20 °C. Protect from light. 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:

TCO PEG amine

TCO PEG FITC

TCO PEG NHS

TCO PEG COOH

TCO PEG Maleimide

TCO PEG Biotin

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