

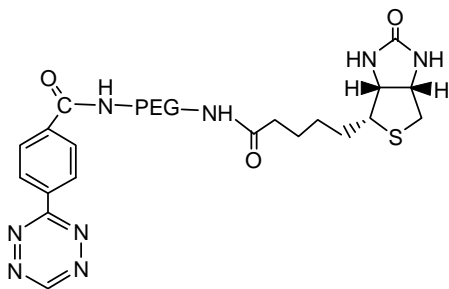
TECHNICAL DATA SHEET**Tetrazine PEG Biotin, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Biotin PEG Tetrazine

Description:

Tetrazine PEG Biotin is one of Nanocs' biotin PEG crosslinkers that can be used to react with TCO (transcyclooctene) group via Click Chemistry. The reaction of tetrazine and TCO is a bioorthogonal reaction that enables the conjugation of biotin tag to desired substrates labeled by TCO group with high efficiency and fast rate. Biotin is a common reagent used in biotin/streptavidin system for biomolecule detection and purification. Tetrazine functionalized PEG biotin derivatives have excellent water solubility; possess fast kinetics and have high stability in aqueous buffer. They are one of the best biotinylation reagents to modify proteins, peptides, antibodies, biopolymers and particles via copper free Click Chemistry reaction.

Product Structure:**Product Specifications:**

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

Handling and Use:

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

Storage Conditions:

Biotin PEG Tetrazine 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:

Tetrazine PEG NH₂
Tetrazine PEG FITC
Tetrazine PEG SH

Tetrazine PEG COOH
Tetrazine PEG Maleimide
Tetrazine PEG NHS

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