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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 COOH
Tetrazine PEG FITC Tetrazine PEG Maleimide
Tetrazine PEG SH Tetrazine PEG NHS

To Order:

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