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#### **TECHNICAL DATA SHEET**

# Tetrazine PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k

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

Synonym: NHS PEG Tetrazine, TZ-PEG-NHS

### **Description:**

**Tetrazine PEG NHS** is one of Nanocs' Click Chemistry PEG crosslinkers that can be used to react with **TCO** (transcyclooctene) groups. The reaction between tetrazine and TCO is a bioorthogonal reaction that enables the conjugation of two molecules in aqueous solution fast and efficiently. NHS modified tetrazine PEG is able to attach tetrazine tag to proteins, peptides, antibodies or particles via the reaction between NHS group and amines. Compared to other tretrazine molecules, Tetrazine PEG derivatives are water soluble; possess fast kinetics and high stability in aqueous buffer. NHS PEG tetrazine is one of the best pegylation reagents to modify proteins, peptides, antibodies, biopolymers and particles via copper free Click Chemistry reaction.

### **Product Structure:**

## **Product Specifications:**

Composition: Tetrazine PEG NHS.

Appearance: Light pink solid, semi-solid

depends on molecular weight.

Solubility: 5 mg/mL, clear in water,

chloroform, DMSO.

Reactive groups: Tetrazine and NHS.

Reactive to: TCO and NH2.

### Handling and Use:

**Tetrazine PEG NHS** 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:**

**NHS 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 Biotin

#### To Order:

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