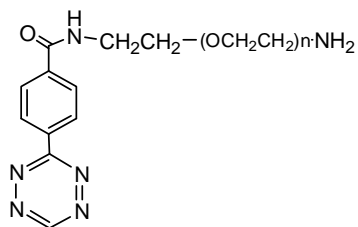


TECHNICAL DATA SHEET**Tetrazine PEG amine, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Amino PEG Tetrazine, TZ-PEG-NH₂**Description:**

Tetrazine PEG amine is one of Nanocs' Copper free Click Chemistry PEG crosslinkers that contain a terminal tetrazine and amine group linked through a linear PEG chain. Tetrazine PEG amine can react with **TCO** (transcyclooctene) containing molecules via copper free click chemistry. Click chemistry between tetrazine and TCO is a bioorthogonal reaction that enables the conjugation of two molecules in aqueous solution fast and efficiently. Primary amine can be used to react with a number of amine reactive groups such as NHS. Compared to other tetrazine molecules, Tetrazine PEG amine is water soluble and easy to use; all reactions can be carried out in aqueous buffer without need adding any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **Tetrazine PEG amine.**
- Appearance: Light pink solid, semi-solid depends on molecular weight.
- Solubility: 5 mg/mL, clear in water, chloroform, DMSO.
- Reactive groups: Tetrazine and NH₂.
- Reactive to: TCO and NHS.

Handling and Use:

Tetrazine PEG amine 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:

Amino 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 NHS
Tetrazine PEG FITC
Tetrazine PEG SH

Tetrazine PEG COOH
Tetrazine PEG Maleimide
Tetrazine PEG Biotin

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