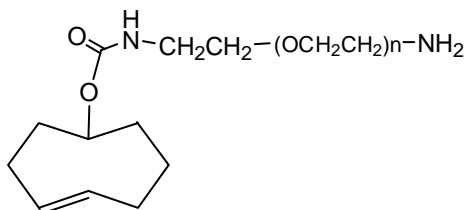


TECHNICAL DATA SHEET**TCO PEG Amine, MW 2000, 3400, 5000, 10k, 20k**

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

Synonym: Amino PEG TCO, TCO-PEG-NH₂**Description:**

TCO PEG amine is one of Nanocs' copper free Click Chemistry PEG crosslinkers that have a terminal TCO (transcyclooctene) and an amine group linked through a linear PEG chain. TCO 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. Primary amine group, on the other hand, can be used to react with many amine reactive groups, such as succinimidyl ester, aldehyde, COOH, etc. 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 NHS.**
- Appearance: White solid, semi-solid depends on molecular weight.
- Solubility: 5 mg/mL, clear in water, chloroform, DMSO.
- Reactive groups: TCO and NH₂.
- Reactive to: Tetrazine and NHS.

Handling and Use:

TCO 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 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 NHSTCO PEG COOH
TCO PEG Maleimide
TCO PEG Biotin**To Order:**Order online: www.nanocs.netOrder by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888) 908-8803

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