

#### **TECHNICAL DATA SHEET**

# TCO PEG Amine, MW 2000, 3400, 5000, 10k, 20k

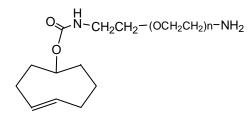
Catalog Numbers: PG2-AMTC-2k, 3k, 5k, 10k, 20k

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 <sup>o</sup>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 NHS TCO PEG COOH TCO PEG Maleimide TCO PEG Biotin

To Order:	
Order online:	www.nanocs.net
Order by Email:	sales@nanocs.com
Order by phone:	1(800) 388-4221; 1(888) 908-8803
For more information, visit www.nanocs.net	

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.