

**TECHNICAL DATA SHEET**

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

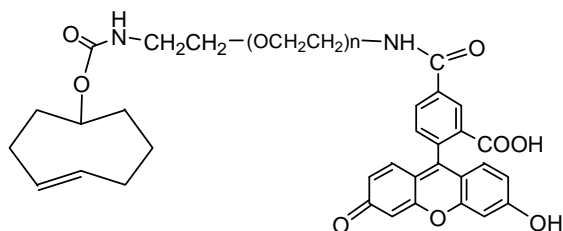
Catalog Numbers: PG2-FCTC-2k, 3k, 5k, 10k, 20k

Synonym: Fluorescein PEG TCO, FITC PEG TCO, TCO PEG FITC

### Description:

**TCO PEG Fluorescein (TCO PEG FITC)** is one of Nanocs' fluorescent Click Chemistry PEG reagents that contain a TCO and a fluorescein dye on each PEG terminus. Fluorescein PEG TCO is reactive toward tetrazine containing molecules. The copper free click chemistry reaction of **tetrazine** and **TCO** is a bioorthogonal reaction that enables the conjugation of fluorescein dye to tetrazine containing molecules in aqueous solution fast and efficiently. Fluorescein (FITC) is a bright green fluorescent dye with excitation /emission wavelength at 495 nm/515 nm. **TCO PEG Fluorescein** has high stability and excellent water solubility; all reactions can be carried out in aqueous buffer without need adding any organic solvents.

### Product Structure:



### Product Specifications:

- Composition: **TCO PEG Fluorescein.**
- Appearance: Orange/yellow solid.
- Solubility: Soluble in water and DMSO.
- Reactive groups: TCO.
- Ex/Em wavelength: 495 nm/515 nm.

### Handling and Use:

**TCO PEG FITC** is sensitive to moisture and temperature. For best use, material should always be kept in low temperature in dry condition. Prepare fresh

solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit [www.nanocs.net](http://www.nanocs.net).

### Storage Conditions:

**FITC PEG TCO** should be stored at -20 °C. Desiccate. Materials may be handled under inert gas for best stability. Re-test material after 6 months.

**This product is for research use only and is not intended for use in humans or for diagnostic use.**

### Related Products:

TCO PEG NHS  
TCO PEG amine  
TCO PEG COOH

Tetrazine PEG Maleimide  
TCO PEG Biotin

### To Order:

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