Tel: 1(800)388-4221 Fax: 1(917)591-2212 Email: info@nanocs.com

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.

Storage Conditions:

FITC PEG TCO should be stored at -20 $^{\circ}$ 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:

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.