

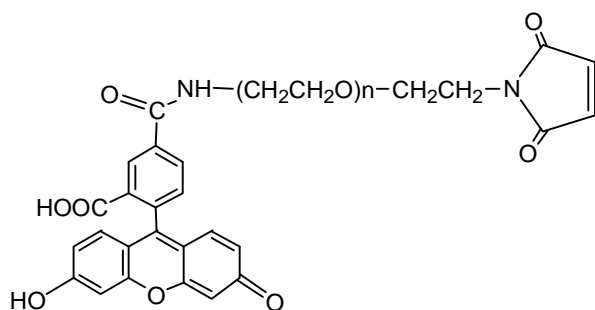
TECHNICAL DATA SHEET**Fluorescein PEG Maleimide, MW 600, 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-FCML-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: FITC PEG Maleimide, Maleimide PEG FITC, Maleimide PEG Fluorescein, FITC PEG Mal

Description:

Fluorescein PEG maleimide (FITC-PEG-Maleimide) is one of Nanocs' thiol reactive green fluorescent PEG derivatives that have excitation/emission wavelength at ~495 nm/~515 nm. **Maleimide** functionalized fluorescein PEG is able to react with free thiol group at pH 6.5~7.5 with high specificity and efficiency. Reaction between maleimide and thiol allows attachment of fluorescein dye to thiol bearing molecules, particles and other materials quickly and efficiently. Compared to other organic dyes, Nanocs' fluorescent PEG dyes are brighter, more photo-stable and easier to use. All our PEG dyes are water soluble and they can be used directly in aqueous solution for biomolecule conjugation and labeling without need of any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **Fluorescein PEG Maleimide.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Reactive group: Maleimide.
- Reactive to: Sulfhydryl/Thiol.
- Ex/Em: 495 nm/515 nm.

Handling and Use:

FITC PEG Maleimide is sensitive to light, moisture 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:

Maleimide PEG FITC should be stored at -20 °C. Desiccate. Protect from light. 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:

FITC PEG NHS
FITC PEG amine
Fluorescein PEG Biotin

FITC PEG COOH
FITC PEG Thiol
FITC PEG Azide

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