

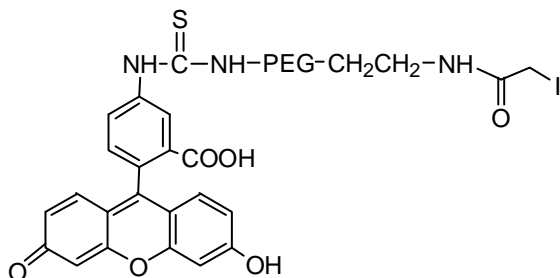
TECHNICAL DATA SHEET**Iodoacetyl PEG Fluorescein, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Iodoacetyl PEG FITC, FITC PEG Iodoacetamide, Fluorescein PEG Iodoacetamide

Description:

Nanocs' **Iodoacetyl PEG fluorescein (FITC-PEG-IA)** is a thiol group reactive green fluorescent PEG dye. Fluorescein has excitation/emission wavelength at around ~495 nm/~515 nm while iodoacetyl group can react readily with thiol group at physiological pH. Reaction between thiol and iodoacetyl group allows labeling and conjugation of fluorescein dye to various substrates quickly and efficiently. PEG linker bridged fluorescein and Iodoacetamide offers good water solubility, flexible linker structure and enhanced stability. Compared to other organic dyes, Nanocs' reactive fluorescent PEG dyes are brighter, more stable and easier to use. These dyes can be used directly in aqueous solution to label biomolecules such as proteins, antibodies, peptides, etc. without need of any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **Iodoacetyl PEG Fluorescein.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: 5 mg/mL, clear in water, ethanol, chloroform, DMSO.
- Reactive group: Iodoacetyl.
- Ex/Em wavelength: 495 nm/515 nm (FITC).

Handling and Use:

Iodoacetyl PEG Fluorescein 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:

FITC PEG Iodoacetamide should be stored at -20 °C. 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 Maleimide

FITC PEG amine

FITC PEG NHS

FITC PEG Thiol

FITC PEG Biotin

FITC PEG DBCO

To Order:Order online: www.nanocs.netOrder by Email: sales@nanocs.com

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

For more information, visit www.nanocs.net