

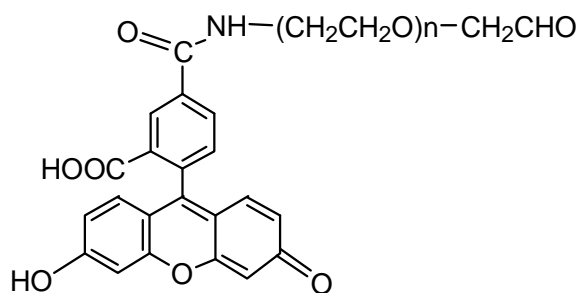
TECHNICAL DATA SHEET**Fluorescein PEG Aldehyde, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Fluorescein PEG CHO, Aldehyde PEG fluorescein, FITC PEG Aldehyde, Aldehyde PEG FITC

Description:

Fluorescein PEG Aldehyde is one of Nanocs' amine reactive green fluorescent PEG derivatives. Fluorescein has excitation/emission wavelength at around ~495 nm/~515 nm while aldehyde group can react with primary amine, hydrazide or oxyamine groups from pH 5~9. Unlike NHS PEG fluorescein, aldehyde functionalized fluorescein PEG can react with N-terminus amine groups at acidic pH, a condition sometime required for certain reactions. Compared to other organic dye, Nanocs' 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 toxic organic solvents.

Product Structure:**Product Specifications:**

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

Handling and Use:

Fluorescein PEG aldehyde 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. Make fresh solution before use. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Aldehyde PEG fluorescein should be stored at $-20\text{ }^{\circ}\text{C}$. Protect from light. Materials may be handled under inert gas for best stability.

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

Related Products:FITC PEG NH_2
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FITC PEG SHFITC PEG NHS
Maleimide PEG FITC
FITC PEG Biotin**To Order:**Order online: www.nanocs.netOrder by Email: sales@nanocs.com

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