

TECHNICAL DATA SHEET

Fluorescein PEG acid, MW 1000, 2000, 3400, 5000, 10k, 20k

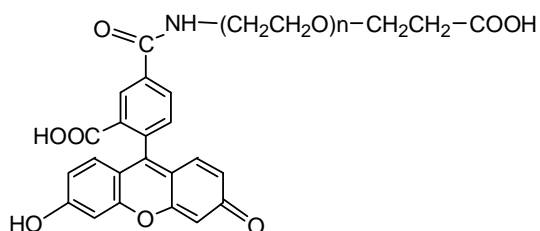
Catalog Numbers: PG2-CAFC-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Fluorescein PEG COOH, Carboxylic PEG Fluorescein, FITC PEG COOH

Description:

Fluorescein PEG acid (FITC-PEG-COOH) is one of Nanocs' heterobifunctional green fluorescent PEG derivatives that have excitation/emission wavelength at ~490 nm/~520 nm. Carboxylic group can be activated to react with amine, hydroxyl or hydrazide groups. PEG linker between Fluorescein and carboxylic acid offers better water solubility, flexible spacer length and enhanced photo-stability. Compared to other organic dyes, Nanocs PEG fluorescent dyes are brighter, more stable and easier to use. These PEG dyes are readily soluble in aqueous buffer. They can be used directly in aqueous solution to label biomolecules such as proteins, antibodies, peptides, etc. without need of organic solvents.

Product Structure:



Product Specifications:

- Composition: **Fluorescein PEG acid.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Reactive group: Carboxylic acid.
- Ex/Em wavelength: 490 nm/520 nm.

Handling and Use:

FITC PEG acid is sensitive to light 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:

Fluorescein PEG COOH should be stored at -20 °C. Protect from light. Re-test material after 12 months.

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

Related Products:

FITC PEG Thiol
FITC PEG Azide
FITC PEG DBCO

FITC PEG NHS
Maleimide PEG FITC
FITC PEG Biotin

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