

TECHNICAL DATA SHEET

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

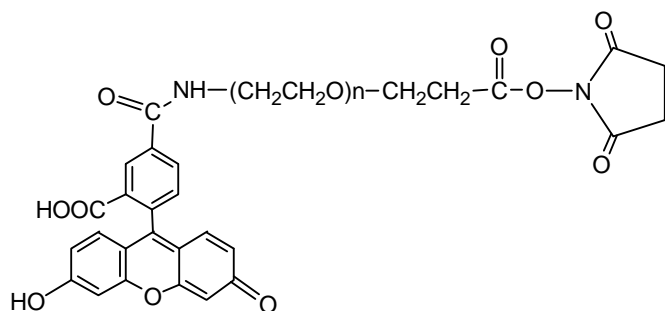
Catalog Numbers: PG2-FCNS-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: NHS PEG Fluorescein, FITC PEG NHS, NHS PEG FITC, FAM PEG NHS

Description:

Fluorescein PEG NHS (FITC-PEG-NHS) is one of Nanocs' amine reactive fluorescent PEG derivatives that emit strong green fluorescence light. Succinimidyl NHS functionalized **fluorescein PEG** reacts with primary amine groups at pH 7-10 with high reactivity and specificity, and thus enables attachment of fluorescein dye to the amine bearing molecules quickly and efficiently. Nanocs' **PEG fluorescein** dyes have excitation/emission wavelength at ~495 nm/~515 nm with varied PEG length. Compared to other fluorescent dyes, Nanocs' **fluorescent PEG** dyes are brighter, more stable and easier to use. These PEG dyes are readily soluble in aqueous buffer and they can be used directly in water for biomolecule labeling and conjugation without need toxic organic solvents.

Product Structure:



Product Specifications:

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

Handling and Use:

Fluorescein PEG NHS 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:

NHS PEG Fluorescein should be stored at -20 °C or lower. 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 Maleimide
FITC PEG amine
FITC PEG Azide

FITC PEG Thiol
FITC PEG Biotin
FITC PEG DBCO

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