

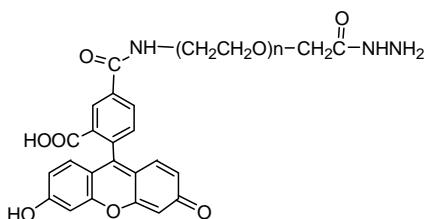
**TECHNICAL DATA SHEET****Fluorescein PEG Hydrazide, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Hydrazide PEG fluorescein, FITC PEG Hydrazide, Hydrazide PEG FITC

**Description:**

**Fluorescein PEG Hydrazide** (FITC-PEG-CONHNH<sub>2</sub>) is one of Nanocs' reactive green fluorescent PEG derivatives that can react with aldehyde or ketone group derived from carbohydrates or glycoproteins. **Fluorescein** is a bright green fluorescent dye that has excitation/emission wavelength at around ~490 nm/~520 nm. Meanwhile, hydrazide reacts readily with aldehyde group to form a stable hydrazone bond. Reaction between hydrazide and aldehyde allows quick and efficient conjugation of fluorescein dyes to polysaccharides, antibodies, enzymes and many other glycoproteins. PEG linker bridged fluorescein and hydrazide group offers better water solubility, flexible linker length and enhanced photo-stability. Compared to other organic dyes, our PEG fluorescent dyes are brighter and easier to use. These dyes can be used directly in aqueous solution to label biomolecules without need adding any organic solvents.

**Product Structure:****Product Specifications:**

- Composition: **Fluorescein PEG Hydrazide.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO, etc.
- Reactive group: Hydrazide (-NHNH<sub>2</sub>).

- Ex/Em wavelength: 495 nm/515 nm

**Handling and Use:**

**Fluorescein PEG Hydrazide** 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](http://www.nanocs.net).

**Storage Conditions:**

**Hydrazide PEG FITC** should be stored at -20 °C. Protect from light. Materials may be handled under inert gas for best stability. 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 NHS  
FITC PEG Maleimide  
FITC PEG BiotinFITC PEG SH  
FITC PEG azide  
FITC PEG DSPE**To Order:**Order online: [www.nanocs.net](http://www.nanocs.net)Order by Email: [sales@nanocs.com](mailto:sales@nanocs.com)

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