

TECHNICAL DATA SHEET

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

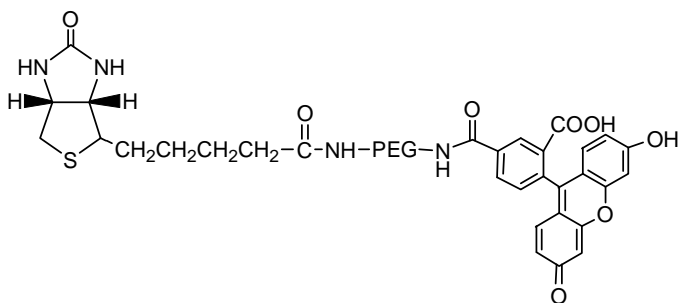
Catalog Numbers: PG2-BNFC-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Biotin PEG Fluorescein, FITC PEG Biotin, Biotin PEG FITC

Description:

Fluorescein PEG biotin (FITC-PEG-Biotin) is one of Nanocs' fluorescent **biotin PEG** derivatives that can be used for bioassay development, cellular or molecular imaging. Fluorescein is a commonly used green fluorescent dye with excitation/emission wavelength at 495 nm/515 nm. Biotin is a small bioactive molecule that has strong binding affinity toward avidin or streptavidin. Biotin/avidin system has been used widely for molecule targeting and detection. PEG linker between biotin and fluorescein offers better water solubility, flexible linker structure and enhanced photo-stability. Fluorescein labeled biotin PEG can be easily traced by its strong fluorescent signal. Compared to other organic dyes, Nanocs' fluorescent PEG dyes is brighter, less toxic and more stable. These dyes can be used both *in-vitro* and *in-vivo*. All assays or reactions can be performed in aqueous buffer without need any organic solvents.

Product Structure:



Product Specifications:

- Composition: **Biotin PEG FITC.**
- Appearance: Yellow/orangesolid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Function group: **Biotin.**
- Ex/Em wavelength: 495 nm/515 nm.

Handling and Use:

Biotin PEG Fluorescein should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Fluorescein PEG biotin should be stored at -20 °C. Desiccate. 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:

Biotin PEG NHS	Biotin PEG Maleimide
Biotin PEG Azide	Biotin PEG Thiol
Biotin PEG Cy3	Biotin PEG COOH

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