

TECHNICAL DATA SHEET

Fluorescein PEG NTA, MW 2000, 3400, 5000, 10k.

Catalog Numbers: PG1-NTAFC-1k, 2k, 5k, 10k, 20k, 30k.

Synonym: FITC PEG NTA, FAM PEG NTA

Description:

Fluorescein PEG NTA (FITC-PEG-NTA) is a green fluorescent PEG chelator with a NTA group on one PEG terminus. NTA (Nitrilotriacetic acid) is a small molecule ligand that can form complex with Nickel, copper, iron and many other metal ions. NTA-metal chelator has specific binding affinity toward His-tag, a protein tag used for recombinant protein synthesis. NTA modified resin has been a useful tool for **His-tag protein** purification. Fluorescein labeled NTA PEG emits strong fluorescent light upon excited at 490 nm. FITC label allows the easy detection and tracking of NTA targeted molecules. Nanocs offers many different NTA PEG products that can be used to attach to resins, particles and array surface. Functional NTA PEGs can be directly used for molecule capture, detection and identification.

Product Structure:



Product Specifications:

- Composition: Fluorescein PEG NTA.
- Appearance: Yellow to orange solid.
- Solubility: >5 mg/mL in hot water, chloroform, ethanol, etc.
- Ex/Em wavelength: 495 nm/515 nm.

Handling and Use:

For best use, **FITC PEG NTA** 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:

NTA PEG Fluorescein should be stored at -20 ^oC. Desiccate. 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.

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