

**TECHNICAL DATA SHEET**

## Alkyne PEG Fluorescein, MW 1000, 2000, 3400, 5000, 10k, 20k

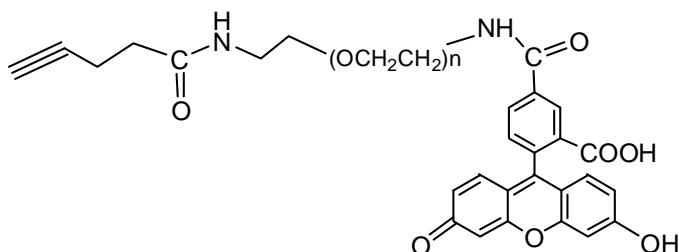
Catalog Numbers: PG2-AKFC-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Alkyne PEG FITC, FITC PEG Alkyne, Fluorescein PEG Alkyne

### Description:

**Alkyne PEG Fluorescein** (FITC-PEG-Alkyne) is one of Nanocs' fluorescent Click Chemistry PEG reagents that contain a terminal alkyne group and a fluorescein dye on each PEG terminus. **Alkyne** group reacts with azide containing molecules easily in aqueous solution catalyzed by copper ions. The 1,3-dipolar cycloaddition click reaction between alkyne and azide enables the conjugation of fluorescein dye to azide containing molecules or materials with high efficiency. Conjugated fluorescein dye can be easily detected by its strong green fluorescence signal. PEG linker between fluorescein and alkyne group offers better water solubility, flexible linker structure and enhanced stability.

### Product Structure:



### Product Specifications:

- Composition: **Alkyne PEG Fluorescein.**
- Appearance: Orange/yellow solid.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Ex/Em wavelength: 495 nm/515 nm.
- Reactive group: Alkyne.
- Reactive to: Azide.

### Handling and Use:

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

### Storage Conditions:

**Alkyne PEG fluorescein** 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:

Alkyne PEG NHS  
Alkyne PEG COOH  
Alkyne PEG amine

Alkyne PEG Maleimide  
Alkyne PEG Rhodamine  
Alkyne PEG Biotin

### To Order:

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