

TECHNICAL DATA SHEET

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

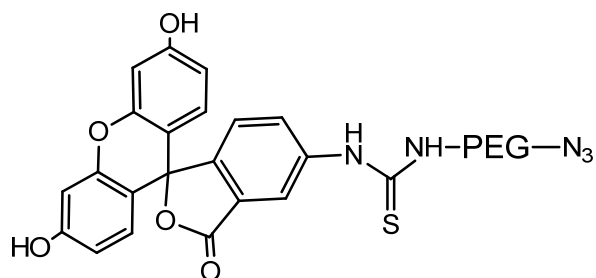
Catalog Numbers: PG2-AZFC-2k, 3k, 5k, 10k, 20k.

Synonym: Azido PEG Fluorescein, Fluorescein PEG azide, FITC-PEG-N₃, FITC PEG Azide, Azido PEG FITC

Description:

Azide PEG Fluorescein, also called **Azido PEG fluorescein**, is one of Nanocs' green fluorescent Click Chemistry Pegylation reagents that contain a fluorescein dye and an azide group on each PEG terminus. Azide reacts with **alkyne** group efficiently in aqueous solution catalyzed by copper ions. 1,3-dipolar cycloaddition between alkyne and azide is a high yield Click Chemistry reaction that enables conjugation of two correspondent molecules together with high efficiency. Azide can also react with strain promoted cyclooctyne without need any catalyst. Reaction between azide and alkyne enables fast and efficient conjugation of fluorescein dye to target molecules or particles. Strong fluorescence from fluorescein allows quick and sensitive detection of labeled species. PEG linker between azide and fluorescein offers better water solubility, flexible linker structure and enhanced stability.

Product Structure:



Product Specifications:

- Composition: **Azide PEG Fluorescein.**
- Appearance: Orange/yellow solid or semi-solid depends on MW.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Ex/Em wavelength: ~495 nm/515 nm.

Handling and Use:

Azido 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 azide 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:

Azide PEG NHS
 Azide PEG amine
 Azide PEG Thiol

Azide PEG Maleimide
 Azide PEG Biotin

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