

TECHNICAL DATA SHEET

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

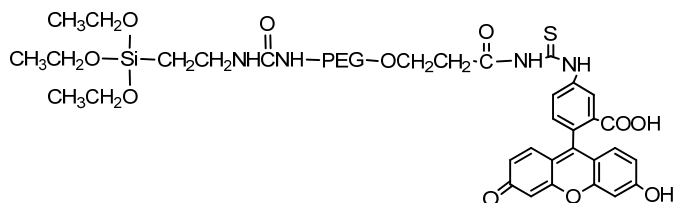
Catalog Numbers: PG2-FCSL-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Fluorescein PEG Silane, FITC PEG Silane, Silane PEG FITC, Si-PEG-FITC

Description:

Silane PEG Fluorescein (Si-PEG-FITC) is a one of Nanocs' fluorescent and surface reactive PEG derivatives that contain a terminal triethoxysilane group and a fluorescein dye. Silane PEG fluorescein can be used to modify glass, silica, PDMS and other surfaces via the reaction between hydroxyl group and alkoxy silane group. **Fluorescein** is a green fluorescent molecule that has excitation/emission wavelength at 490 nm/515 nm. Reaction between alkoxy silane groups and the glass or other silica surface enables attachment of fluorescein fluorophore to above surfaces quickly and efficiently. Compared to other silanization reagents, Nanocs' silane PEG derivatives are quite soluble in aqueous solution; all reactions can be performed in aqueous solution without need any organic solvents. Alkoxy groups hydrolyze readily in aqueous solution and reaction can be completed at room temperature in 30~60 min.

Product Structure:



Product Specifications:

- **Composition:** Silane PEG Fluorescein.
- **Appearance:** Yellow/orange solid, semi-solid depends on molecular weight.
- **Solubility:** Soluble in water, ethanol, chloroform, DMSO, etc.
- **Reactive group:** Triethoxy silane.
- **Ex/Em:** FITC/495 nm/515 nm.

Handling and Use:

Silane PEG fluorescein is sensitive to moisture and temperature. For best use, material 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 Silane should be stored at -20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability. Re-test material after 6 months.

This product is for research use only and is not intended for use in humans or for diagnostic use.

To Order:

 Order online: www.nanocs.net

 Order by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888) 908-8803

 For more information, visit www.nanocs.net