

TECHNICAL DATA SHEET

Silane PEG NHS, MW 600, 1000, 2000, 3400, 5000, 10k, 20k

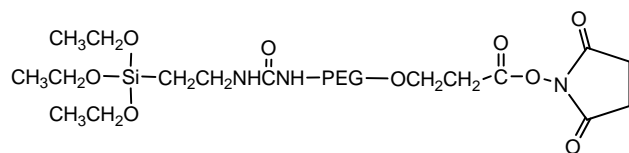
Catalog Numbers: PG2-NSSL-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: NHS PEG Silane, Triethoxyl Silane PEG NHS, Succinimidyl PEG Silane

Description:

Silane PEG NHS is one of Nanocs' surface reactive polyethylene glycol derivatives that contain a triethoxysilane and a NHS group bridged by a linear PEG chain. **NHS PEG Silane** can be used to modify glass, silica and other surfaces via the reaction between hydroxyl group and alkoxy silane group. Alkoxy groups hydrolyze readily in aqueous solution in broad pH range and reaction can be completed in 30~60 min. Meanwhile, NHS can react with primary amine groups from proteins, antibodies, peptides and other materials quickly and efficiently at alkaline pH. PEG linker between alkoxy silane and amine group offers better water solubility, less steric hindrance and enhanced stability. Compared to other organic silane molecules, Nanocs' silane PEG derivatives are hydrophilic and biocompatible. All silanization reactions can be performed in aqueous solution without adding any organic solvents.

Product Structure:



Product Specifications:

- Composition: **Silane PEG NHS.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO, etc.
- Reactive groups: Silane and NHS.
- Reactive to: Hydroxyl and amines.

Handling and Use:

Silane PEG NHS 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:

NHS PEG Silane should be stored at -20 °C. Desiccate. 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.

Related Products:

Silane PEG Maleimide

Silane PEG Biotin

Silane PEG Azide

Silane PEG amine

Silane PEG COOH

Silane PEG FITC

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