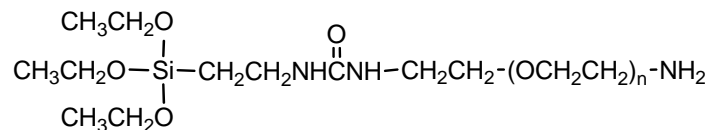


TECHNICAL DATA SHEET**Silane PEG NH₂, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Silane PEG amine, Amino PEG Silane, NH₂ PEG Silane, triethoxysilane PEG amine, trimethoxysilane PEG amine**Description:**

Silane PEG amine (Silane-PEG-NH₂) is one of Nanocs' surface reactive polyethylene glycol pegylation reagents that contain a terminal triethoxysilane and an amine group. Silane PEG amine can be used to modify glass, silica and other material surfaces via the reaction between hydroxyl group and alkoxy silane group. Triethoxyl, trimethoxyl or other alkoxy silane reacts with -OH groups easily with catalytic amount of water. Meanwhile, primary amine group enables conjugation of other functional ligands to immobilized silane PEGs. PEG linker between alkoxy silane and amine group offers better water solubility, less steric hindrance and enhanced reactivity. 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. 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 amine.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, ethanol, chloroform, DMSO, etc.
- Reactive groups: Alkoxy silane and amine.

Handling and Use:

Silane PEG amine 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:

Silane PEG amine should be stored at -20 °C or lower. Desiccate. Materials may be handled under inert gas for best stability. Re-test material after 3 months.

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

Related Products:

Silane PEG COOH	Silane PEG NHS
Silane PEG Azide	Silane PEG FITC
Silane PEG Maleimide	Silane PEG Biotin

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