

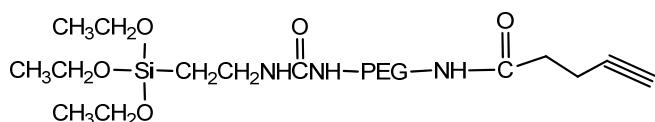
TECHNICAL DATA SHEET**Alkyne PEG Silane, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-AKSL-400, 600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Silane PEG alkyne

Description:

Alkyne PEG Silane is one of Nanocs' surface reactive Click Chemistry PEG derivatives with an alkoxy silane and an alkyne group on each PEG terminus. Alkyne group can react with azide group via **Click Chemistry** in aqueous solution catalyzed by copper ions. Meanwhile, triethoxyl or trimethoxyl silane reacts with OH groups easily with catalytic amount of water. PEG linker between alkyne and alkoxy silane offers good water solubility, flexible linker structure and enhanced stability. Silane PEG alkyne can be used to modify glass, silica or other material or particle surface. PEG linked Silane Alkyne is readily soluble in water; all 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: **Alkyne PEG Silane.**
- Appearance: White/off-white solid or viscous liquid.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO, etc.
- Reactive groups: Alkyne and Silane.

Handling and Use:

Silane 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.

Storage Conditions:

All **silane PEG** products should be stored at -20 °C. 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:

Alkyne PEG NHS
Alkyne PEG COOH
Biotin PEG DBCO

Alkyne PEG Maleimide
Biotin PEG Azide
Thiol PEG Biotin

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