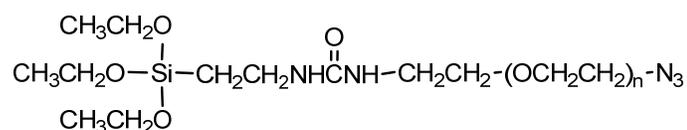


TECHNICAL DATA SHEET**Silane PEG azide, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Triethoxysilane PEG azide, Azide PEG Silane, Azido PEG Silane, Si-PEG-N₃, N₃ PEG Si**Description:**

Silane PEG azide is one of Nanocs' surface reactive Pegylation and silanization reagents that contain a terminal **triethoxysilane** silane and an azide on each PEG terminus. **Azide/azido** is a popular Click Chemistry reactive group that can react with linear alkyne group catalyzed by copper or react directly with strained alkyne bond without need any catalyst. Meanwhile, triethoxyl or trimethoxyl silane can reacts with OH groups easily with catalytic amount of water. PEG linker between azide and silane offers better water solubility, less steric hydrance and enhanced stability. Azide PEG silane can be used for glass, silica or other material or particle surface modification. Compared to other organic silanes, Nanocs' silane PEG derivatives are quite soluble in aqueous solution; all pegylation and 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 azide.**
- Appearance: White/off-white solid or semi-solid.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO, etc.
- Reactive groups: Alkoxysilane, azide.
- Reactive to: Hydroxy, alkyne.

Handling and Use:

Silane PEG azide is sensitive to moisture. This 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:

Azido PEG Silane 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:

Silane PEG NHS	Silane PEG Maleimide
Silane PEG amine	Silane PEG Biotin
Silane PEG COOH	Silane PEG Thiol

To Order:Order online: www.nanocs.netOrder by Email: sales@nanocs.com

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

For more information, visit www.nanocs.net