Silane PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k
Catalog Numbers: PG2-MLSL-1k, 2k, 3k, 5k, 10k, 20k.

**Description:**

Nanocs’ silane and maleimide heterofunctionalized polyethylene glycol (Si-PEG-Mal) is a sulfhydryl (-SH) reactive silane PEG derivative that can be used to modify glass, silica and other surfaces via the reaction between hydroxyl group and alkoxyl silane group. Maleimide reacts with sulfhydryl groups in pH 6.5~7.5 very rapidly while triethoxyl or trimethoxyl silane can react with OH groups easily with catalytic amount of water. In addition, Nanocs’ silane PEG derivatives are quite soluble in aqueous solution; all reactions can be performed in aqueous solution without adding any organic solvents. Alkoxyl groups hydrolyze readily in aqueous solution and reaction can be completed at room temperature in 30~60 min.

**Handling and Use:**

Silane PEG maleimide 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](http://www.nanocs.net).

**Storage Conditions:**

Product 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.

**Product Structure:**

![Product Structure Diagram]

**Product Specifications:**

- **Composition:** Silane PEG Maleimide.
- **Appearance:** White/off-white solid, semi-solid depends on molecular weight.
- **Purity:** > 90%.
- **Solubility:** Soluble in water, ethanol, ethanol, chloroform, toluene, etc.
- **Stability:** 6 months at ~20 °C.

**To Order:**

Order online: [www.nanocs.net](http://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](http://www.nanocs.net)

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