

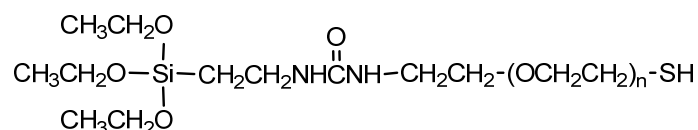
TECHNICAL DATA SHEET**Silane PEG Thiol, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Thiol PEG Silane, Silane PEG SH

Description:

Silane PEG thiol (Silane PEG SH) is one of Nanocs' surface reactive polyethylene glycol pegylation and silanization reagents that contain a triethoxysilane and a thiol group on each PEG terminus. Silane PEG thiol can be used to modify glass, silica, metal and other surfaces via the reaction between hydroxyl group and alkoxy silane group. Triethoxyl or trimethoxyl silane reacts with OH groups easily with catalytic amount of water. Alkoxy groups hydrolyze readily in aqueous solution and reaction can be completed at room temperature in 30~60 min. Remaining thiol groups can be used for other reactions. They can also be used for metal chelating. Compared to other organic silane compounds, Nanocs' silane PEG derivatives are soluble in aqueous solution. All reactions can be performed in aqueous solution without adding any organic solvents.

Product Structure:**Product Specifications:**

- Composition: Silane PEG thiol.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Stability: 3 months at -20 °C.

Handling and Use:

Silane PEG thiol 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:

Thiol PEG silane products should be stored at -20 °C. Desiccate. Protect from light. 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 NH₂
Silane PEG Azide
Silane PEG Maleimide

Silane PEG NHS
Silane PEG FITC
Silane PEG Biotin

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