

TECHNICAL DATA SHEET

Silane PEG Biotin, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k

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

Description:

Nanocs' silane PEG Biotin is a heterofunctional polyethylene glycol derivative that can be used to modify glass, silica and other surfaces via the reaction between hydroxyl group and alkoxy silane group. 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. Alkoxy groups hydrolyze readily in aqueous solution and reaction can be completed at room temperature in 30-60 min. Remaining biotin can be used to bind to avidin or streptavidin.

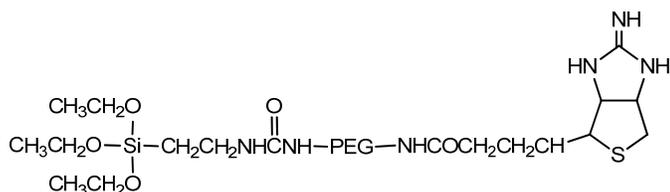
Silane PEG Biotin is sensitive to moisture and temperature. For best use, material should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

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.

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

Product Structure:



Product Specifications:

- Composition: Silane PEG Biotin.
- 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.

Handling and Use:

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.

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