

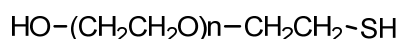
TECHNICAL DATA SHEET**Thiol PEG Hydroxyl, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Hydroxyl PEG Thiol, HS-PEG-OH, OH-PEG-SH

Description:

Thiol PEG hydroxyl (HS-PEG-OH) is one of Nanocs' heterobifunctional PEG derivatives that contain a thiol (sulfhydryl) and a hydroxyl group on each PEG terminus. Thiol group can be used to react with thiol reactive groups such as Maleimide, Iodoacetate, etc. It can also be used for metal surface binding. Hydroxyl groups, on the other hand, can be activated to react with other chemical groups. PEG linker between thiol and hydroxyl group offers better water solubility, less steric hindrance and enhanced reactivity. Reacts from thiol and hydroxyl enable quick and efficient biomolecule or particle pegylation. PEGylation can increase solubility and stability of modified molecules. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: **Thiol PEG OH.**
- Appearance: White/off-white solid or viscous liquid.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Stability: 12 months at -20 °C.

Handling and Use:

Thiol PEG OH 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:

Hydroxyl PEG thiol should be stored at -20 °C. Desiccate. Protect from air. Materials may be handled under inert gas for best stability. Re-test material after 12 months.

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

Related Products:

HS PEG NH ₂	HS PEG COOH
HS PEG Azide	HS PEG FITC
HS PEG Biotin	HS PEG NHS

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