

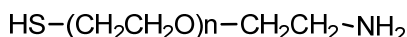
**TECHNICAL DATA SHEET****Thiol PEG Amine, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Amino PEG thiol, thiolated PEG amine, HS PEG NH<sub>2</sub>, NH<sub>2</sub>-PEG-SH

**Description:**

**Thiol PEG amine (HS-PEG-NH<sub>2</sub>)** is one of Nanocs' heterobifunctional polyethylene glycol pegylation reagents that contain a thiol and a primary amine group on each PEG terminus. Amine functional PEG thiol reacts readily with amine reactive groups, such as carboxyl, aldehyde, and NHS to form stable covalent bonds. Thiol groups, on the other hand, can be used for metal surface binding and other chemical reactions. PEG linker between thiol and amine groups offers better water solubility, flexible linker distance and enhanced stability. These bifunctional thiol PEG amines are useful for the modification of proteins, antibodies, peptides, gold nanoparticles and many other materials.

**Product Structure:****Product Specifications:**

- Composition: **Thiol PEG amine.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Reactive groups: Thiol and amine.

**Handling and Use:**

**Thiol PEG amine** 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:**

**Amino PEG thiol** should be stored at -20 °C. Desiccate. 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.**

**Related Products:**

Thiol PEG Hydrazide  
Thiol PEG COOH  
Thiol PEG NHS  
Thiol PEG Folate

Thiol PEG FITC  
Thiol PEG Biotin  
Thiol PEG Azide

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