

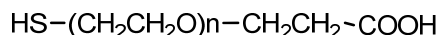
TECHNICAL DATA SHEET**Thiol PEG acid, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: HS PEG COOH, Thiol PEG Carboxylic acid, Sulfhydryl PEG acid

Description:

Thiol PEG acid (HS-PEG-COOH) is one of Nanocs' reactive thiol PEG derivatives that have a terminal carboxylic group. Carboxylic groups can react with amine or hydroxyl groups to form a stable amide bond or a labile ester bond. Reactions of carboxylic group allow the conversion of amine or hydroxyl groups to free thiols with a linear PEG linker. Resulted thiol groups can be used to modify gold nanoparticle surface or participate in other pegylation reactions. PEG linker between thiol and carboxylic group offers good water solubility, flexible linker distance and higher stability.

Product Structure:**Product Specifications:**

- Composition: **Thiol PEG acid.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, ethanol, chloroform, DMSO.
- Reactive groups: Sulfhydryl, carboxyl.

Handling and Use:

Thiol PEG acid is sensitive to moisture, air 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:

HS PEG COOH should be stored at -20 °C. Desiccate. Protect from light. 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:

Thiol PEG Maleimide
Thiol PEG NH₂
Thiol PEG NHS
Thiol PEG Folate

Thiol PEG FITC
Thiol PEG Biotin
Thiol PEG Azide

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