

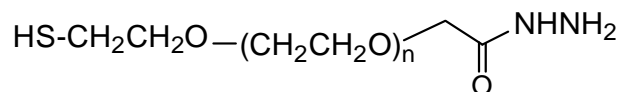
TECHNICAL DATA SHEET**Thiol PEG Hydrazide, MW 1k, 2000, 3400, 5000, 10k, 20k**

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

Synonym: HS PEG Hydrazide, Hydrazide PEG SH, Hydrazide PEG thiol.

Description:

Hydrazide PEG thiol is one of Nanocs' heterobifunctional PEG crosslinkers that can be used to attach functional PEG to the targeted biomolecules, particles and other materials surfaces through their thiol and hydrazide groups. Hydrazide group reacts readily with aldehyde on carbohydrates or glycans to form a stable hydrazone bond. Thiol groups, on the other hand, can be used to modify metal surface or react to other thiol reactive groups such as maleimide, iodoacetate or pyridyldisulfide. PEG linker between thiol and hydrazide group offers better water solubility, flexible linker structure and enhanced reactivity. Reactions from hydrazide and thiol allow quick and efficient pegylation of biomolecules or particles.

Product Structure:**Product Specifications:**

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

Handling and Use:

Thiol PEG hydrazide is sensitive to oxygen 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:

Hydrazide 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:

NHS PEG Hydrazide

Maleimide PEG Hydrazide

DBCO PEG Hydrazide

FITC PEG Hydrazide

Biotin PEG Hydrazide

Cy5 PEG Hydrazide

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