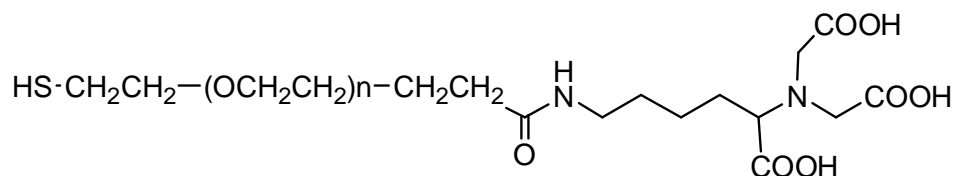


**TECHNICAL DATA SHEET****NTA PEG thiol, MW 1000, 2000, 3400, 5000, 10k**

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

**Description:**

**NTA PEG thiol** is one of Nanocs' multifunctional metal chelating PEG products that can be used for targeted drug delivery, surface functionalization and biomolecule separation. NTA (Nitrilotriacetic acid) is a metal chelating ligand that has excellent affinity toward Nickel, copper, iron and many other metal ions. NTA metal chelator has high binding affinity to His-tag, a commonly used recombinant protein tag. NTA metal chelator conjugates have been used widely for protein detection and purification. Thiol modified NTA PEG allows attachment of NTA ligand to resins, particles and array surface. Functionalized PEG NTA conjugates thus can be used for molecule capture, detection and identification.

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

- Composition: **NTA PEG thiol.**
- Appearance: White to off-white, pale yellow solid or semi-solid depends on the molecular weight.
- Solubility: >5 mg/mL in hot water, chloroform, ethanol, etc.
- Stability: >6 months at -20 °C.

**Handling and Use:**

For best use, **NTA PEG Thiol** 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:**

**NTA PEG Thiol** should be stored at -20 °C. Desiccate. 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.**

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