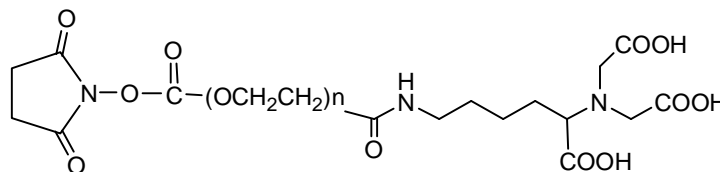


TECHNICAL DATA SHEET**NTA PEG NHS, MW 2000, 3400, 5000, 10k**

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

Description:

NTA PEG NHS is one of Nanocs' metal chelating PEG derivatives that are reactive to primary amine groups. **Nitrilotriacetic acid** (NTA) PEGs have excellent affinity toward Nickel, copper, iron and many other metal ions. On the other hand, **NHS** reacts with primary amine groups rapidly at alkaline condition to form a stable amide bond. Reaction between NHS and amine allows the attachment of NTA ligand to biomolecules, resins, particles and array surfaces. Pegylated metal chelating products demonstrate excellent metal binding properties with better biocompatibility. Nanocs provides a variety of multifunctional metal chelating PEG products which have been used for targeted drug delivery, nanoparticle functionalization, biomolecule separation and detection.

Product Structure:**Product Specifications:**

- Composition: **NTA PEG NHS.**
- Appearance: White to off-white solid.
- Solubility: >5 mg/mL in water, DMSO
- Stability: >6 months at -20 °C.
- Reactive to: Primary amine (-NH₂) group.

Handling and Use:

NTA PEG NHS should always be kept in -20 °C 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:

NTA PEG NHS 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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