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TECHNICAL DATA SHEET

NTA PEG Maleimide, MW 2000, 3400, 5000, 10k

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

Description:

NTA PEG Maleimide is one of Nanocs' metal chelating PEG derivatives that are reactive to sulfhydryl groups. Nitrilotriacetic acid (NTA) functionalized PEGs have excellent affinity toward Nickel, copper, iron and many other metal ions. NTA modified resins have been used commonly for His-tag protein purification and detection. Nanocs' Maleimide PEG NTA reacts with sulfhydryl/thiol group rapidly under neutral pH. Reaction between maleimide and thiol allows attachment of PEG NTA ligands to resins, particles and array surfaces. Nanocs provides a variety of multifunctional metal chelating PEG products which have been used for targeted drug delivery, nanoparticle functionalization, biomolecule separation and detection. Pegylated metal chelating products demonstrate excellent metal binding properties with better biocompatibility.

Product Structure:

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Product Specifications:

Composition: NTA PEG Maleimide.Appearance: White to off-white solid.

Solubility: >5 mg/mL in water, DMSO

Stability: >6 months at -20 °C.
Reactive to: Sulfhydryl (-SH) group.

Handling and Use:

NTA PEG Maleimide 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 Maleimide 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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