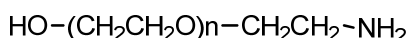


TECHNICAL DATA SHEET**Amine PEG Hydroxy, MW 400, 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Hydroxy PEG amine, HO PEG NH₂, Amino PEG hydroxy, NH₂-PEG-OH**Description:**

Hydroxy PEG amine (HO-PEG-NH₂) is one of Nanocs' heterobifunctional PEG crosslinkers that have a hydroxyl group and an amine group linked by a linear PEG chain with different length. Amine groups can react with a number of amine reactive groups, such as NHS, carboxylic acid, epoxide and aldehyde. Hydroxy groups, on the other hand, can be activated for other chemical reactions. PEG linker between amine and hydroxy group offers good water solubility and flexible linker length. Reactions from amine and hydroxyl group allow fast and efficient pegylation of proteins, antibodies, particles and other materials. PEGylation can increase stability and reduce immunogenicity of pegylated biomolecules. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: **Amine PEG OH.**
- Appearance: White/off-white solid or semi-solid.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive groups: Amine, hydroxyl.

Handling and Use:

Amine PEG hydroxy (NH₂-PEG-OH) 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:

Hydroxy PEG amine 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.

Storage Conditions:Amine PEG Thiol
Azide PEG amineNH₂ PEG COOH
NHS PEG COOH**To Order:**Order online: **www.nanocs.net**Order by Email: sales@nanocs.comOrder by phone: 1(800)388-4221; 1(888)
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