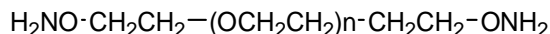


TECHNICAL DATA SHEET**Aminoxy PEG Aminoxy, MW 600, 1000, 2000, 3400, 5000, 10k, 20k.**

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

Synonym: Aminoxy PEG Oxyamine, Oxyamine PEG Oxyamine, NH₂O-PEG-OH₂**Description:**

Aminoxy PEG Aminoxy (NH₂O-PEG-OH₂) is one of Nanocs' homobifunctional, carbonyl reactive PEG derivatives that can be used to modify carbohydrates, glycosylated antibodies, proteins, peptides and enzymes. Aminoxy reacts readily with carbonyl group (aldehyde or ketone) derived from polysaccharides to form a stable oxime bond, which is more stable than the Schiff base formed between amine and aldehyde group. Reaction of aminoxy and carbonyl group enables conjugation of functionalized PEG molecules to various targeted biomolecules and material surface quickly and efficiently. PEG linker between two aminoxy groups offers better water solubility, less steric hindrance and enhanced reactivity.

Product Structure:**Product Specifications:**

- Composition: **Aminoxy PEG Aminoxy.**
- Appearance: White/off-white solid, semi-solid or liquid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Reactive group: Aminoxy (-ONH₂).
- Reactive to: Carbonyl group.

Handling and Use:

Aminoxy PEG Aminoxy 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:

Oxyamine PEG Oxyamine should be stored at 4~8 °C. Desiccate. 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.

Related Products:

| | |
|-------------------------|-----------------------|
| Aminoxy PEG Azide | Aminoxy PEG Maleimide |
| Aminoxy PEG Biotin | DSPE PEG Aminoxy |
| Fluorescein PEG Aminoxy | DBCO PEG Aminoxy |
| Cholesterol PEG Aminoxy | |

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