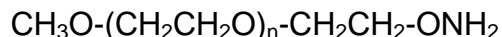


TECHNICAL DATA SHEET**mPEG Aminoxy**

Catalog Numbers: PG1-AO-350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: mPEG oxyamine, PEG aminoxy, Aminoxy PEG, Oxyamine PEG, mPEG-OH₂**Description:**

mPEG Aminoxy (Oxyamine PEG) is one of Nanocs' carbonyl reactive pegylation reagents that can react with aldehyde or ketone groups derived from polysaccharides or glycoproteins. Aminoxy group reacts readily with carbonyl group such as aldehyde to form a stable oxime bond, which can be further reduced by sodium borohydride to form a more stable linkage. Reaction between aminoxy and carbonyl group enables rapid and efficient conjugation of PEG chain to oxidized carbohydrates, glycosylated proteins, antibodies and enzymes. PEGylated biomolecules have higher stability and lower immunogenicity.

Product Structure:**Product Specifications:**

- Composition: **mPEG Aminoxy**.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Purity: > 95%.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Reactive group: Aminoxy (-ONH₂).
- Reactive to: Aldehyde or ketone.

Handling and Use:

mPEG Aminoxy is relatively stable in low temperature. For best use, material 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:

mPEG 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 Maleimide

Aminoxy PEG Biotin

Aminoxy PEG Thiol

Aminoxy PEG FITC

Aminoxy PEG DSPE

Aminoxy PEG DBCO

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