

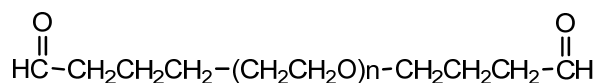
TECHNICAL DATA SHEET**Aldehyde PEG aldehyde**

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

Synonym: Bis-aldehyde PEG

Description:

Aldehyde (CHO) bifunctionalized polyethylene glycol (**Aldehyde-PEG-aldehyde**) is a N-terminus amine (-NH₂) reactive PEG derivative that can be used to modify protein, peptide or any other surfaces. Aldehyde groups can react with ε-amine of lysine residues and the α-amine at the N-terminus produces an intermediate Schiff base. Further reduction with hydride will form a stable C-N bond. PEG aldehydes react with amine groups at a pH of from 5.5 to 9.5. Higher pH will result in multiple Pegylation with both terminal and lysine groups

Product Structure:**Product Specifications:**

- Composition: **Aldehyde PEG aldehyde.**
- Appearance: White/Off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO
- Reactive group: **Aldehyde.**

Handling and Use:

Aldehyde PEG aldehyde 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:

Bis-aldehyde PEG should be stored at -20 °C. Desiccate. Materials may be handled under inert gas for best stability. 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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