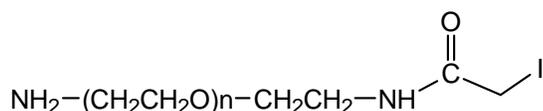


TECHNICAL DATA SHEET**Iodoacetyl PEG amine, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Iodoacetyl PEG NH₂, Amino PEG Iodoacetamide**Description:**

Iodoacetyl and amine (-NH₂) functionalized polyethylene glycol (**IA-PEG-NH₂**) is a heterobifunctional, thiol (-SH) reactive PEG crosslinker that can be used to modify proteins, peptides, particles and other materials. Iodoacetyl group reacts readily with free thiol groups at physiological pH while amine groups can react with a number of amine reactive groups, such as succinimidyl NHS ester, aldehyde, etc. at pH 7~10. Iodoacetyl PEG amine is readily soluble in water. All pegylation or crosslinking reactions can be carried out in aqueous buffer without need any organic solvents. PEGylation can increase stability and reduce immunogenicity of pegylated peptides or proteins. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: **Iodoacetyl PEG amine.**
- Appearance: off-white/pale-yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive groups: Iodoacetyl, amine
- Reactive to: Thiol, NHS.

Handling and Use:

Iodoacetyl PEG amine is sensitive to moisture and 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:

Amino PEG Iodoacetamide should be stored at -20 °C. Desiccate. Protect from light. 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.

Related Products:

Iodoacetyl PEG NHS
Iodoacetyl PEG FITC
Iodoacetyl PEG DBCO

Iodoacetyl PEG COOH
Iodoacetyl PEG Azide

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