

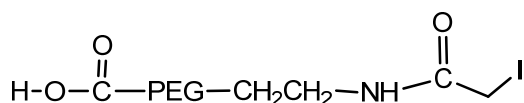
TECHNICAL DATA SHEET**Iodoacetyl PEG acid, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Iodoacetate PEG acid, Carboxylic acid PEG Iodoacetate, Iodoacetamide PEG acid, IA PEG COOH

Description:

Iodoacetyl and carboxylic acid (-COOH) functionalized PEG (**Iodoacetyl PEG acid**) is a thiol (-SH) reactive PEG crosslinker that can be used to modify protein, peptide, particles and other materials via their available thiol groups. Iodoacetyl group reacts readily with free thiol groups while carboxylic groups can be activated to react with a number of functional groups such as amine, hydroxyl, etc. Nanocs' **Iodoacetyl PEG acid** is readily soluble in aqueous solution and all pegylation or crosslinking reactions can be carried out in aqueous buffer without need adding 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 acid.**
- Appearance: off-white/pale-yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive group: Iodoacetyl, COOH
- Reactive to: Thio, amine, OH.

Handling and Use:

Iodoacetyl PEG acid 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:

Iodoacetamide PEG acid 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 NH₂
Iodoacetyl PEG Azide

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