

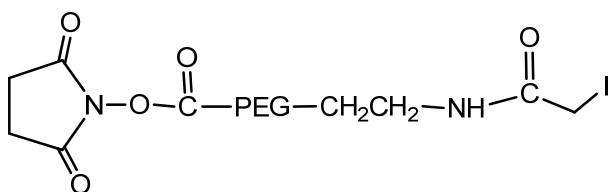
TECHNICAL DATA SHEET**Iodoacetyl PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: NHS PEG Iodoacetamide

Description:

Nanocs' iodoacetyl and N-hydroxysuccinimide (NHS) heterofunctionalized polyethylene glycol (**IA-PEG-NHS**) is a thiol (-SH) and amine (-NH₂) reactive PEG crosslinker that can be used to modify proteins, peptides, particles and other materials via their available thiol or amino groups. Iodoacetyl group reacts readily with free thiol groups at physiological pH while NHS reacts with primary amine groups quickly at alkaline pH. PEG linker between NHS and Iodoacetyl group offers good water solubility, flexible linker structure and enhanced stability. Reactions of Iodoacetyl and NHS groups allow fast and efficient PEG modification of biomolecules or particles. PEGylation can increase stability and reduce immunogenicity of pegylated proteins. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

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

Handling and Use:

Iodoacetyl PEG NHS 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:

Iodoacetyl PEG NHS 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 Maleimide

Iodoacetyl PEG FITC

Iodoacetyl PEG DBCO

Iodoacetyl PEG NH₂

Iodoacetyl PEG Azide

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