

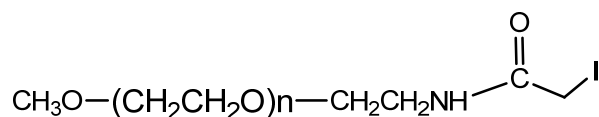
**TECHNICAL DATA SHEET****Methoxy PEG Iodoacetate, MW 1000, 2000, 5000, 10k, 20k, 30k, 40k**

Catalog Numbers: PG1-IA-1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: mPEG Iodoacetamide, mPEG-IA, Methoxy polyethylene glycol iodoacetate, Iodoacetyl PEG

**Description:**

**mPEG Iodoacetamide** is one of Nanocs' iodoacetyl functionalized polyethylene glycol reagents that are reactive toward free sulfhydryl/thio (-SH) group. Iodoacetyl group reacts readily with free thiol at physiological pH to form a stable thioether bond. Reaction between Iodoacetate and thiol allows attachment of polyethylene glycol chain to proteins, antibodies, peptides and many other materials quickly and efficiently. PEGylation can increase stability and reduce immunogenicity of pegylated peptides and proteins. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

**Product Structure:****Product Specifications:**

- Composition: **mPEG Iodoacetate**.
- Appearance: off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Stability: 12 months at -20 °C.
- Reactive group: Iodoacetyl.

**Handling and Use:**

**Iodoacetyl PEG** 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](http://www.nanocs.net).

**Storage Conditions:**

**Iodoacetyl PEG** should be stored at -20 °C. Desiccate. Protect from light. 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:**

Iodoacetyl PEG NH<sub>2</sub>  
Iodoacetyl PEG FITC  
Iodoacetyl PEG Azide

Iodoacetyl PEG COOH  
Iodoacetyl PEG Maleimide  
Iodoacetyl PEG DBCO

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