

TECHNICAL DATA SHEET

Methoxy PEG Iodoacetate, MW 1000, 2000, 5000, 10k, 20k, 30k, 40k

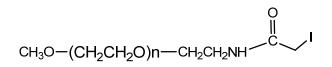
Catalog Numbers: PG1-IA-1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: mPEG lodoacetamide, mPEG-IA, Methoxy polyethylene glycol iodoacetate, lodoacetyl 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 thiolether 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 lodoacete.
- 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**.

Storage Conditions:

Iodoacetyl PEG should be stored at -20 ^oC. 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 NH2 Iodoacetyl PEG FITC Iodoacetyl PEG Azide Iodoacetyl PEG COOH Iodoacetyl PEG Maleimide Iodoacetyl PEG DBCO

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