

Revision 2

Store at +4°C

#88931

Iodoacetamide, PTMScan® Qualified

5 g



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For Research Use Only. Not For Use In Diagnostic Procedures.

Background

Iodoacetamide is a useful alkylating reagent that modifies cysteine residues so that they can no longer create disulfide linkages. This prevents proteins from refolding and helps to keep them in their primary linear structure to better enable protease digestion and peptide sequencing. This is an irreversible reaction and can also be used for inactivation of enzymes or improved resolution by electrophoresis, where disulfide bonds could potentially reform.

Molecular Formula

C₂H₄INO

Purity

>= 99%

CAS

144-48-9

Storage

Store lyophilized powder at 4°C, desiccated and protected from light.

Directions for Use:

1. Weigh out 95mg of iodoacetamide and protect from light. 2. Add reverse osmosis deionized (RODI) water or equivalent to a final volume of 5 ml immediately before use. Note: The iodoacetamide solution should be prepared fresh prior to each experiment.

APPLICATIONS KEY

CROSS-REACTIVITY KEY H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr:

hosp: Rabbit All: all species expected

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