

Store at  
4°C

# Iodoacetamide, PTMScan® Qualified



Cell Signaling  
TECHNOLOGY®

#88931

5 grams

**Support:** +1-978-867-2388 (U.S.)  
www.cellsignal.com/support

**Orders:** 877-616-2355 (U.S.)  
orders@cellsignal.com

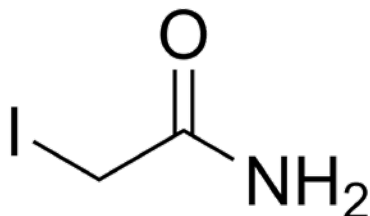
rev. 11/26/18

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

**Description:** Iodoacetamide is recommended for use in our PTMScan® protocols when making tissue or cell lysates just prior to the digestion steps.

**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:** C<sub>2</sub>H<sub>4</sub>INO



**Molecular Weight:** 184.96 g/mol

**Purity:** ≥99%

### 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.

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

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**Applications:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide **Species Cross-Reactivity:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—Horse All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.