

2-Iodoacetamide

Chemical Properties

CAS No. : 144-48-9

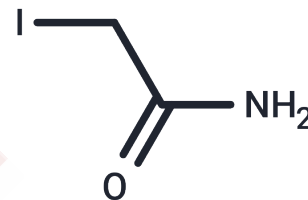
Formula: C₂H₄INO

Molecular Weight: 184.96

Storage: Keep away from direct sunlight, Store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Iodoacetamide, an alkylating agent, is commonly utilized for cysteine alkylation in proteomics sample preparation.
Targets(IC50)	Others, DNA Alkylator/Crosslinker

Solubility Information

Solubility	DMSO: 50 mg/mL (270.33 mM), Sonication is recommended. H ₂ O: 50 mg/mL (270.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (10.81 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4066 mL	27.0329 mL	54.0657 mL
5 mM	1.0813 mL	5.4066 mL	10.8131 mL
10 mM	0.5407 mL	2.7033 mL	5.4066 mL
50 mM	0.1081 mL	0.5407 mL	1.0813 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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