

Product Data Sheet

Product Name: 2-Iodoacetamide

Cat. No.: GC61444

Chemical Properties

Cas. No. 144-48-9

SMILES O=C(N)CI

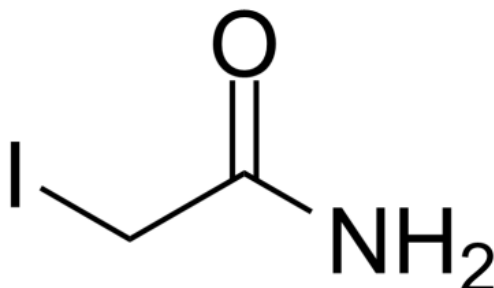
Formula C2H4INO M.Wt 184.96

Solubility DMSO: 100 mg/mL (540.66 mM); Storage 4°C, away from moisture and light
Water: 100 mg/mL (540.66 mM)

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

2-Iodoacetamide (Iodoacetamide), an alkylating agent, is a commonly used agent for alkylation of cysteine during sample preparation for proteomics[1][2].

2-Iodoacetamide (2.0-10 mg; drinking; daily; 20-93 days) feeding always produces chronic deep ulcers in the secretory part of the rat stomach[2]. Animal Model: Sprague-Dawley rats[2]

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Peter G Hains, et al. The Impact of Commonly Used Alkylating Agents on Artifactual Peptide Modification. J Proteome Resq. 2017 Sep 1;16(9):3443-3447. [2]. J J LALICH. Iodoacetamide induced gastric ulcers in rats. Proc Soc Exp Biol Med. 1962 Apr;109:905-8.

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