

Product Data Sheet

Product Name: Acetohydroxamic acid (AHA)

Cat. No.: GC33978

Chemical Properties

Cas. No. 546-88-3

SMILES CC(=O)NO

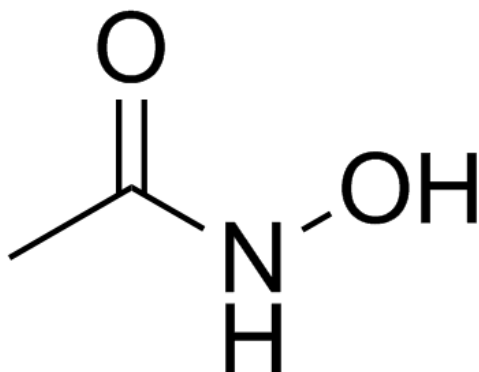
Formula C2H5NO2 M.Wt 75.07

Solubility Water : ≥ 200 mg/mL (2664.18 mM) Storage Store at -20°C

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

Acetohydroxamic acid is a potent and irreversible inhibitor of bacterial and plant urease and also used as adjunctive therapy in chronic urinary infection. Target: Urease. Acetohydroxamic acid selectively inhibits arachidonate 5-lipoxygenase and thus has potential use in the treatment of asthma.

[1]. Sharma M, et al. Biotransformation of Acetamide to Acetohydroxamic Acid at Bench Scale Using Acyl Transferase Activity of Amidase of *Geobacillus pallidus* BTP-5x MTCC 9225. Indian J Microbiol.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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2012 Mar;52(1):76-82.

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