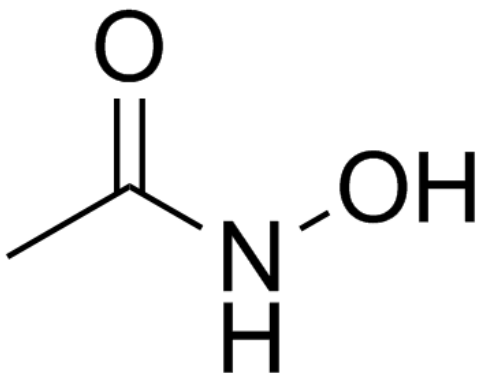
Product Data Sheet

Product Name: Acetohydroxamic acid (AHA)
Cat. No.: GC33978

Chemical Properties

Cas. No.	546-88-3		
SMILES	CC(NO)=O		
Formula	$C_2H_5NO_2$	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: UreaseAcetohydroxamic 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.
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