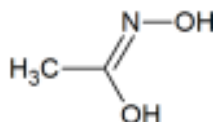


# Acetohydroxamic acid

**ALTERNATE NAME:** AHA  
NSC 5073  
NSC 176136  
NSC 408425

**CATALOG #:** B3286-1G 1 g  
B3286-5G 5 g

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>2</sub>H<sub>5</sub>NO<sub>2</sub>

**MOLECULAR WEIGHT:** 75.07

**CAS NUMBER:** 546-88-3

**APPEARANCE:** White to yellow solid

**PURITY:** ≥98%

**SOLUBILITY:** >15 mg/ml DMSO

**DESCRIPTION:** Acetohydroxamic acid is a potent inhibitor of bacterial urease activity and reduces urinary ammonia levels. It inhibits the growth of struvite crystals produced by *P. mirabilis* in artificial urine and the growth of *H. pylori* in vitro (MICs = 200 and 400 mg/L for various isolates of *H. pylori*). Chronic AHA administration in dogs dose-dependently reduces urine urease activity, pH, and crystalluria and inhibits growth of bladder stones

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Cytochalasin D (B1176)  
Urease Activity Assay Kit (Colorimetric) (K378)

**DISCLAIMER:** ***FOR RESEARCH USE ONLY! Not to be used on humans.***