Data Sheet (Cat.No.T1592)

TargetMol

Acetohydroxamic acid

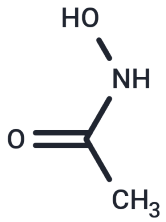
Chemical Properties

CAS No. : 546-88-3

Formula: C2H5NO2

Molecular Weight: 75.07

Storage: 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	Acetohydroxamic acid (N-Hydroxyacetamide) is an antagonist of the bacterial enzyme urease.
Targets(IC50)	MMP,HIV Protease,Antibacterial

Solubility Information

Solubility	DMSO: 245 mg/mL (3263.62 mM),Sonication is recommended. H2O: 199.8 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 (26.64 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (133.21 mM),Solution. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.3209 mL	66.6045 mL	133.209 mL
5 mM	2.6642 mL	13.3209 mL	26.6418 mL
10 mM	1.3321 mL	6.6605 mL	13.3209 mL
50 mM	0.2664 mL	1.3321 mL	2.6642 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.

Reference

Palinska KA, et al. Microbiology. 2000 Dec;146 Pt 12:3099-107.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481