Data Sheet (Cat.No.T40605)

TargetMol

N-(2-Hydroxyethyl)oxamic acid

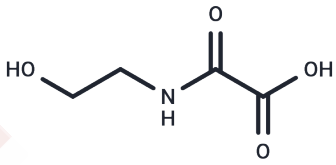
Chemical Properties

CAS No. : 5270-73-5

Formula: C4H7NO4

Molecular Weight: 133.10

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	N-(2-hydroxyethyl)-oxamic acid, a compound derived from the reduction of Metronidazole, can result from either chemical processes or through interaction with intestinal bacteria. Metronidazole itself is a nitroimidazole antibiotic with a broad range of efficacy against protozoans, as well as both Gram-negative and Gram-positive anaerobic bacteria.
Targets(IC50)	Others,Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.5131 mL	37.5657 mL	75.1315 mL
5 mM	1.5026 mL	7.5131 mL	15.0263 mL
10 mM	0.7513 mL	3.7566 mL	7.5131 mL
50 mM	0.1503 mL	0.7513 mL	1.5026 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

Koch RL, et al. The anaerobic metabolism of metronidazole forms N-(2-hydroxyethyl)-oxamic acid. J Pharmacol Exp Ther. 1979;208(3):406-410.

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