

2-Methylaminoethanol

Chemical Properties

CAS No.:	109-83-1
Formula:	C ₃ H ₉ NO
Molecular Weight:	75.11
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Reference standards.
Targets(IC ₅₀)	Others: None
In vitro	METHODS AND RESULTS: Effect of 2-aminoethanol, 2-Methylaminoethanol , 2-dimethylaminoethanol, choline, and their phosphorylated compounds on the growth of Ehrlich solid tumor and in vitro growth of Yoshida sarcoma cells was examined and following facts were revealed. 1) On the Ehrlich tumor, 2-aminoethyl dihydrogenphosphate and 2-methylaminoethyl dihydrogenphosphate had a growth-promoting effect while the others had no effect. 2) 2-Aminoethanol and 2-aminoethyl dihydrogenphosphate were inhibitive to the in vitro growth of Yoshida sarcoma cells but others had no effect. CONCLUSIONS: 3) There was entirely no difference in the lipids between the groups administered and not administered 2-aminoethyl dihydrogenphosphate.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.314 mL	66.569 mL	133.138 mL
5 mM	2.663 mL	13.314 mL	26.628 mL
10 mM	1.331 mL	6.657 mL	13.314 mL
50 mM	0.266 mL	1.331 mL	2.663 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Effect of Amino Alcohols and their Phosphoryl Compounds on the Growth of Experimentally Transplantable Cancer. Chemical & Pharmaceutical Bulletin, 2008,8 (10) :900-903

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