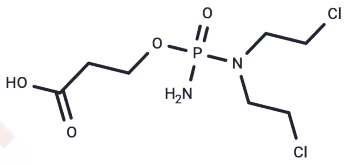
Data Sheet (Cat.No.T37108)

TargetMol

Carboxyphosphamide

Chemical Properties



CAS No. : 22788-18-7

Formula: C7H15Cl2N2O4P

Molecular Weight: 293.08

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	Carboxyphosphamide is an inactive metabolite of the alkylating agent cyclophosphamide .1It is formed from cyclophosphamideviaoxidation of the intermediate metabolite aldophosphamide by aldehyde dehydrogenase.
Targets(IC50)	Others,DNA Alkylator/Crosslinker

Solubility Information

Solubility	Methanol: Soluble Acetonitrile: Soluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.412 mL	17.0602 mL	34.1204 mL
5 mM	0.6824 mL	3.412 mL	6.8241 mL
10 mM	0.3412 mL	1.706 mL	3.412 mL
50 mM	0.0682 mL	0.3412 mL	0.6824 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

Manthey, C.L., and Sladek, N.E.Kinetic characterization of the catalysis of activated" cyclophosphamide (4-hydroxycyclophosphamide/aldophosphamide) oxidation to carboxyphosphamide by mouse hepatic aldehyde dehydrogenasesBiochem. Pharmacol.37(14)2781-2790(1988)"

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