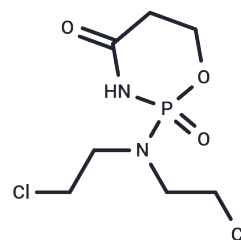


4-oxo Cyclophosphamide

Chemical Properties

CAS No. :	27046-19-1
Formula:	C7H13Cl2N2O3P
Molecular Weight:	275.07
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	4-oxo Cyclophosphamide is an inactive metabolite of the alkylating agent cyclophosphamide .1,2It is formed from cyclophosphamide through a 4-hydroxycyclophosphamide intermediate by aldehyde dehydrogenases.2
Targets(IC50)	Others,DNA Alkylator/Crosslinker

Solubility Information

Solubility	DMSO: Slightly soluble Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6354 mL	18.1772 mL	36.3544 mL
5 mM	0.7271 mL	3.6354 mL	7.2709 mL
10 mM	0.3635 mL	1.8177 mL	3.6354 mL
50 mM	0.0727 mL	0.3635 mL	0.7271 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

- Struck, R.F., Kirk, M.C., Mellett, L.B., et al. Urinary metabolites of the antitumor agent cyclophosphamide. *Mol. Pharmacol.* 7(5)519-529(1971)
- de Jonge, M.E., Huitema, A.D.R., Rodenhuis, S., et al. Clinical pharmacokinetics of cyclophosphamide. *Clin. Pharmacokinet.* 44(11)1135-1164(2005)

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