

Product Data Sheet

Product Name: 4-oxo Cyclophosphamide

Cat. No.: GC49127

Chemical Properties

Cas. No. 27046-19-1

SMILES O=C1NP(OCC1)(N(CCCl)CCCl)=O

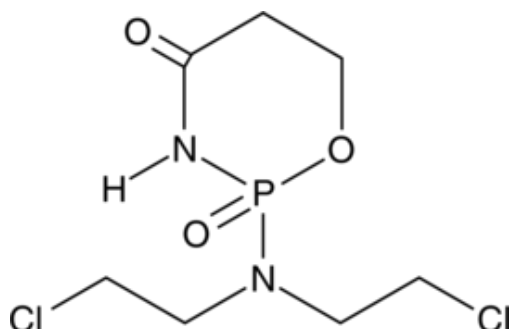
Formula C7H13Cl2N2O3P M.Wt 275.1

Solubility DMSO: slightly soluble, Methanol: slightly soluble Storage -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

4-oxo Cyclophosphamide is an inactive metabolite of the alkylating agent cyclophosphamide.^{1,2} It is formed from cyclophosphamide through a 4-hydroxycyclophosphamide intermediate by aldehyde dehydrogenases.²

Caution: Product has not been fully validated for medical applications. For research use only.

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1.Struck, R.F., Kirk, M.C., Mellett, L.B., et al.Urinary metabolites of the antitumor agent cyclophosphamideMol. Pharmacol.7(5)519-529(1971) 2.de Jonge, M.E., Huitema, A.D.R., Rodenhuis, S., et al.Clinical pharmacokinetics of cyclophosphamideClin. Pharmacokinet.44(11)1135-1164(2005)

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