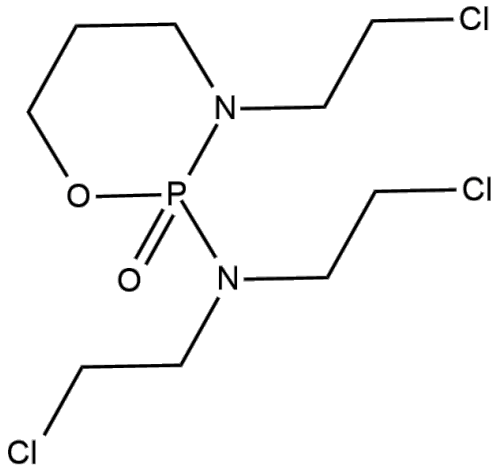
Product Data Sheet

Product Name: Trofosfamide
Cat. No.: GC18367

Chemical Properties

Cas. No.	22089-22-1		
Chemical Name	N,N,3-tris(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine,2-oxide		
SMILES	ClCCN(CCCl)P1(OCCCN1CCCl)=O		
Formula	$C_9H_{18}Cl_3N_2O_2P$	M.Wt	323.6
Solubility	DMF: 50mg/mL,DMSO: 30mg/mL,Ethanol: 50mg/mL,PBS (pH 7.2): 10mg/mL	Storage	Store at -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

Trofosfamide is an orally bioavailable oxazaphosphorine derivative with antineoplastic activity[1].

References:

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. Witte HM, et al. Trofosfamide in the treatment of elderly or frail patients with diffuse large B-cell lymphoma. J Cancer Res Clin Oncol. 2019 Jan;145(1):129-136.
[2]. Görn M, et al. A pilot study of docetaxel and trofosfamide as second-line 'metronomic' chemotherapy in the treatment of metastatic non-small cell lung cancer (NSCLC). Onkologie. 2008 Apr;31(4):185-9.

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