

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 CICCN(CCCI)P1(OCCCN1CCCI)=O

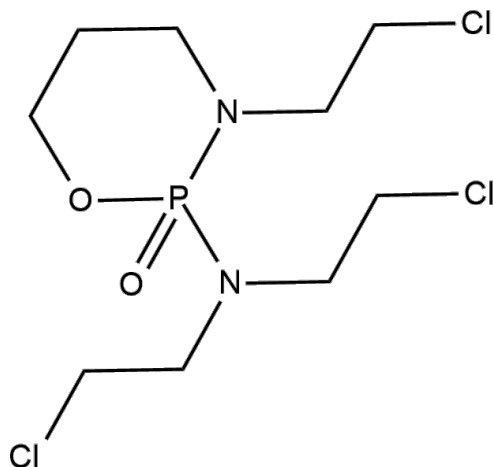
Formula $C_9H_{18}Cl_3N_2O_2P$ M.Wt 323.6

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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