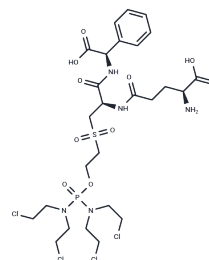


Canfosfamide

Chemical Properties

CAS No. :	158382-37-7
Formula:	C ₂₆ H ₄₀ Cl ₄ N ₅ O ₁₀ PS
Molecular Weight:	787.47
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	Canfosfamide (TLK-286, TER286), a glutathione analogue prodrug, becomes activated by glutathione S-transferase P1-1 to induce apoptosis and inhibit DNA-dependent protein kinase's (DNA-PK) catalytic kinase activity. Upon activation, it generates an anticancer alkylating agent and a glutathione derivative, making it useful in researching malignancies [1] [2] [3].
Targets(IC50)	Apoptosis,Others,DNA-PK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2699 mL	6.3494 mL	12.6989 mL
5 mM	0.254 mL	1.2699 mL	2.5398 mL
10 mM	0.127 mL	0.6349 mL	1.2699 mL
50 mM	0.0254 mL	0.127 mL	0.254 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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