Cyclophosphamide . monohydrate

DNA alkylating agent

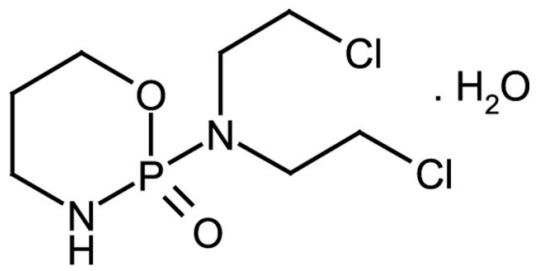
Alkylates DNA, forming DNA-DNA cross-links that result in inhibition of DNA synthesis and cell death. Interestingly the repair enzyme O^6-alkylguanine-DNA alkyltransferase, long thought to be involved with resistance to methylating and chloroethylating agents, may also contribute to resistance to the cytotoxic and mutagenic effects of cyclophosphamide.

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ALX-400-051-G001	1g

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2-[Bis(2-chloroethyl)amino]tetrahydro-2H-1,3,2-oxazaphosphorine-2-oxide, Cytoxan
Appearance	White to off-white crystalline solid.
CAS	6055-19-2
Formula	$C_7H_{15}Cl_2N_2O_2P \cdot H_2O$
Identity	Determined by IR and UV.
MI	**14:** 2747
MW	261.1 . 18.0
Purity	≥97% (HPLC)
RTECS	RP6157750
Solubility	Soluble in water; slightly soluble in 100% ethanol.
Source	Synthetic.

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