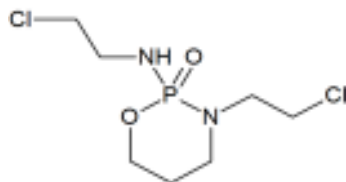


Ifosfamide

ALTERNATE NAME: N,3-bis(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine 2-oxide
NSC-109724
Isophosphamide

CATALOG #: B2653-10 10 mg
B2653-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₇H₁₅Cl₂N₂O₂P

MOLECULAR WEIGHT: 261.08

CAS NUMBER: 3778-73-2

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: >30 mg/ml DMSO

DESCRIPTION: Ifosfamide is a chemotherapeutic agent chemically related to the nitrogen mustards and a synthetic analog of cyclophosphamide. It is active as an alkylating agent and an immunosuppressive agent. Like cyclophosphamide, ifosfamide serves as a prodrug that is either metabolized to its active DNA alkylating form, isophosphoramidate mustard, or catabolized through a dechloroethylation pathway to the neurotoxic and nephrotoxic chloroacetaldehyde.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Mitoxantrone (1885)
Ethynylcytidine (B1266)
5-Aza-2'-deoxycytidine (1754)
Amsacrine (B2445)
M-3814 (Nedisertib) (B2217)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*