

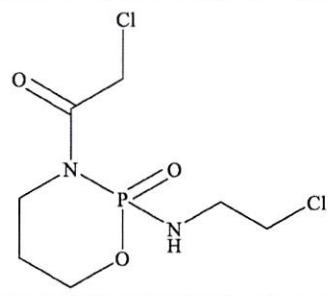
Certificate of Analysis

Certificate No.: 20240712019



Date: July 12, 2024

Retest date: July 11, 2027

Compound Name: 2'-Oxo Ifosfamide	
Synonyms:	2-chloro-1-(2-((2-chloroethyl)amino)-2-oxido-1,3,2-oxazaphosphinan-3-yl)ethan-1-one
TLC Catalogue Number:	I-067007
CAS Number:	119670-13-2
Molecular Weight:	275.07
Molecular Formula:	C ₇ H ₁₃ Cl ₂ N ₂ O ₃ P
Source:	TLC Pharmaceutical Standards
Source Lot No.:	5123-077A3
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO



Test Description	Specifications	Results
Visual Description	Off-white semi-solid (low M.P.)	Conforms
Identification IR MS ¹ H NMR	Conforms to structure Conforms to structure Conforms to structure	Conforms Conforms Conforms
Purity (HPLC)	Not less than 95.0%	100.0%
Impurity (HPLC)	N/A	
Residual Solvents (NMR)	0.4% acetonitrile	
Assay (qNMR)	Not less than 90.0%	95.6%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		07/15/2024
Approved by:	Quality Assurance		07/15/2024

Attachments: HPLC, IR, MS and NMR spectra.