CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

CATO-FM-59 Version No.: A/1

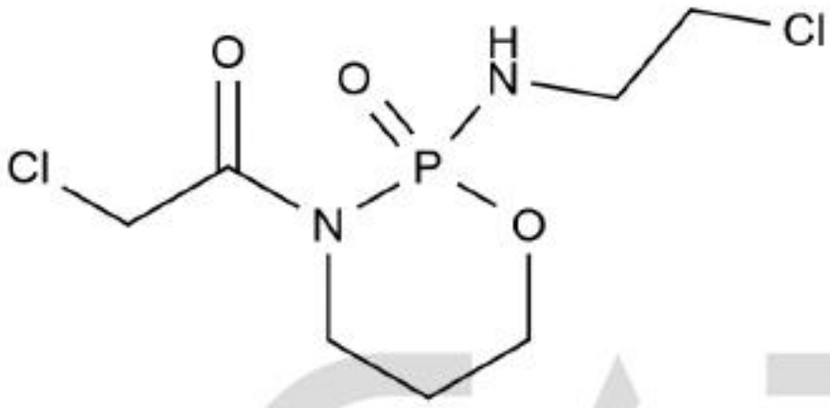
**No.: 202305249640**

# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | 2-Chloro-1-(2-((2-chloroethyl)amino)-2-oxido-1,3,2-oxazaphosphinan-3-yl)ethan-1-one | **Catalogue Number:** | C1109643 |
| **Synonyms:** | N/A | **Lot Number:** | 0524-SA-7640 |
| **CAS Number:** | 119670-13-2 | **Expiry Date:** | May 23, 27 |
| **Molecular Formula:** | $C_7H_{13}Cl_2N_2O_3P$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 275.07 | **Warning:** | |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Solid |
| **Identification:** | LC&HNMR | Confirmed |
| **Purity:** | HPLC | 97.181% |

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Lisa Date: May 24, 23

Reviewed by: Yuki Date: May 24, 23

Approved by General Manager: David Date: May 24, 23

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ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-2832 | ISO 9001:2000 SGS | Official WeChat

## Directions:

*1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*

*2. Minimum sample size: 1mg is recommended as the minimum sample size.*

*3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*

*4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date | Reason for Revision |
|---|---|---|
| 01 | May 24, 23 | First release. |

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