



CERTIFICATE OF ANALYSIS

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1. Identification

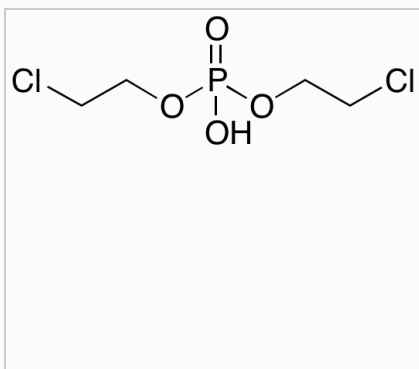
Catalogue Number: C366790

CAS Number: 3040-56-0

Product: Di-b,b'-Chloroethylphosphoric Acid

Synonym: Bis(2-chloroethyl) Hydrogen Phosphate; Bis(2-chloroethyl) Phosphate; Bis(chloroethyl) Phosphate; Bis(β -chloroethyl) Phosphate; Bis(β -chloroethyl) Phosphoric Acid; Di-2-Chloroethyl Phosphate;

Structure:



Molecular Formula:

C₄H₉Cl₂O₄P

Molecular weight:

222.99

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 1-NRR-38-2

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Very Dark Brown Oil to Low-Melting Solid	Clear Colourless to Off-White Oil to Low-Melting Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.54% (ELSD)
P NMR	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
swathi reddy	Toni Rantanen	Chanell Chu	9/28/2023	9/26/2027