



CERTIFICATE OF ANALYSIS

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1. Identification

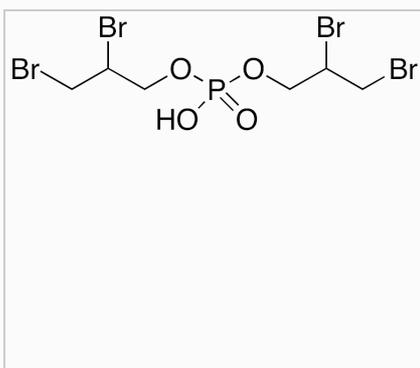
Catalogue Number: B426235

CAS Number: 5412-25-9

Product: Bis(2,3-dibromopropyl) Phosphate

Synonym: 2,3-Dibromo-1-propanol 1,1'-(Hydrogen Phosphate); Bis(2,3-dibromopropyl) Hydrogen Phosphate; Bis(2,3-dibromopropyl) Phosphate; NSC 3239

Structure:



Molecular Formula:

C₆H₁₁Br₄O₄P

Molecular weight:

497.74

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 5-APK-2-1

Purity: 90%

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

Storage Condition: -20°C

2. Warning

Warning 1: Hygroscopic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Off-White Thick Oil to Sticky Solid	Off-White to Pale Yellow Sticky Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 14.43, %H: 2.33
MS	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.71% (ELSD)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 9 : 1 : 0.1; Visualized with KMnO₄; Single Spot, R_f = 0.40. Elemental Analysis: (Theoretical) %C: 14.48, %H: 2.23

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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
Eric Beaton	Toni Rantanen	My Nguyen	1/15/2020	1/13/2027