



CERTIFICATE OF ANALYSIS

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1. Identification

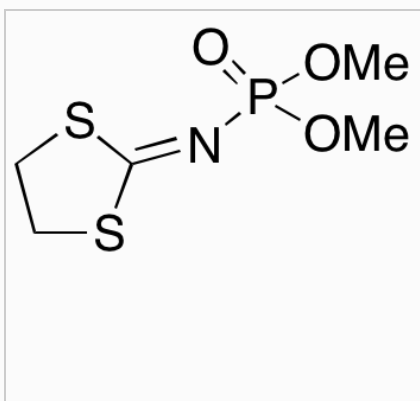
Catalogue Number: P358350

CAS Number: 5120-23-0

Product: Phospholan-methyl

Synonym: Phosphonodithioimidocarbonic Acid Cyclic Ethylene P,P-Dimethyl Ester; 1,3-Dithiolan-2-ylidenephosphoramidic Acid Dimethyl Ester; 1,2-Ethanedithiol, cyclic ester with phosphonodithioimidocarbonic acid P,P-dimethyl ester; Phosfolan-methyl

Structure:



Molecular Formula:

C₅H₁₀NO₃PS₂

Molecular weight:

227.24

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

Lot Number: 2-ATH-47-1

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Pale Yellow Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
GC	>95%	96.26%

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9.5 : 0.5;
Visualized with UV and Ninhydrin; Single Spot, R_f = 0.35.

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	1/20/2020	1/18/2027