



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

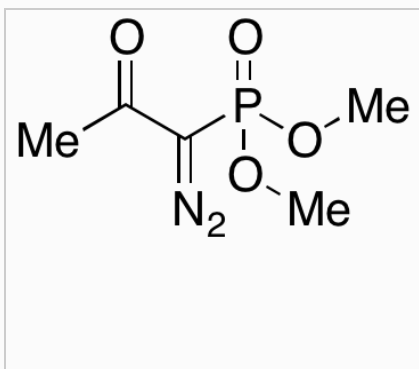
Catalogue Number: D471815

CAS Number: 90965-06-3

Product: Dimethyl (1-Diazo-2-oxopropyl)phosphonate

Synonym: Bestmann-Ohira Reagent; 1-Diazo-1-(dimethyl phosphono)acetone; Bestmann Reagent; Dimethyl (1-Azo-2-oxopropyl)phosphonate; Dimethyl (1-azoacetonyl)phosphonate; Dimethyl (1-Diazo-2-oxopropyl)phosphonate;

Structure:



Molecular Formula:

C₅H₉N₂O₄P

Molecular weight:

192.11

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 12-SUM-178-1

Purity: 95%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Yellow Oil	Clear Pale Yellow Oil
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 30.15, %H: 4.62, %N: 14.56
HPLC Purity	Report Result	97.02% (230 nm)

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
Evan Burns	Toni Rantanen	Chanell Chu	7/14/2022	7/12/2026