



CERTIFICATE OF ANALYSIS

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1. Identification

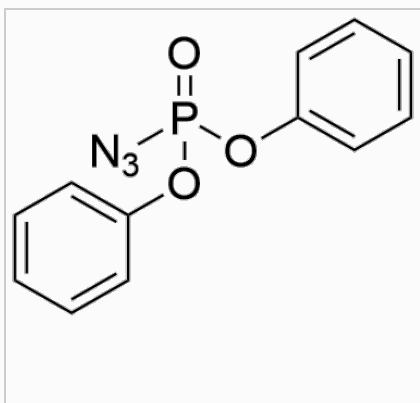
Catalogue Number: D491640

CAS Number: 26386-88-9

Product: Diphenylphosphorazidate

Synonym: Azidodiphenoxyoxophosphorane; DPPA; Diphenyl Azidophosphate; Diphenyl Phosphorazide; Diphenylphosphoryl Azide; O,O-Diphenylphosphoryl Azide; Phosphoric Acid Diphenyl Ester Azide

Structure:



Molecular Formula:

C₁₂H₁₀N₃O₃P

Molecular weight:

275.2

Source of Product:

N/A

Solubility:

Acetonitrile (Slightly),
Chloroform (Slightly), Ethyl
Acetate (Sparingly), Metha

Lot Number: 3-NZH-46-1

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	Colourless to Pale Yellow Oil	Colourless to Pale Yellow Oil
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 52.40, %H: 3.78, %N: 14.61
HPLC Purity	>95%	98.35% (205 nm)
FT-IR	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
Meenakshi Sharma	Toni Rantanen	Christina Gouliaras	6/3/2021	6/1/2025

