



CERTIFICATE OF ANALYSIS

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1. Identification

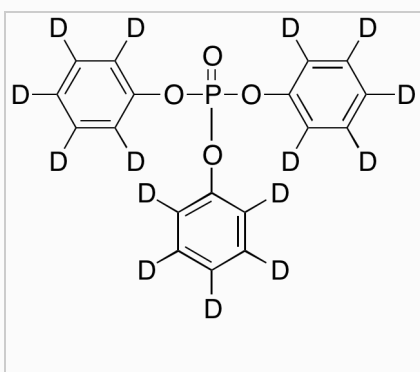
Catalogue Number: T808992

CAS Number: 1173020-30-8

Product: Triphenyl Phosphate-d15

Synonym: Phosphoric Acid Triphenyl Ester-d15 Celluflex TPP-d15; Disflamoll TP-d15; NSC 57868-d15; Phenyl Phosphate-d15; Phoscon FR 903N-d15; Phosflex TPP-d15; Reofos TPP-d15; S 4-d15; Sumilizer TPP-d15; TP-d15 TPP-d15; TPPA-d15; TTP-d15; Triphenoxyphosphine Oxide-d15; Wako TPP-d15; TPHP-d15

Structure:



Molecular Formula:

$C_{18}D_{15}O_4P$

Molecular weight:

341.38

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly)

Lot Number: 4-LIU-158-2

Purity: 95%

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	White to Light Yellow Semi-Solid to Solid	Off-White Semi-Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.0%

Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 8 : 2; Visualized with UV and AMCS; Single Spot, R_f = 0.30. Normalized Intensity: d0 = 0.07%, d1 = 0.00%, d2 = 0.00%, d3 = 0.00%, d4 = 0.02%, d5 = 0.03%, d6 = 0.01%, d7 = 0.03%, d8 = 0.00%, d9 = 0.02%, d10 = 0.01%, d11 = 0.01%, d12 = 0.38%, d13 = 1.44%, d14 = 23.79%, d15 = 74.18%

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
Neha Khanna	Eric Beaton	My Nguyen	10/1/2019	9/29/2026
	