



CERTIFICATE OF ANALYSIS

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1. Identification

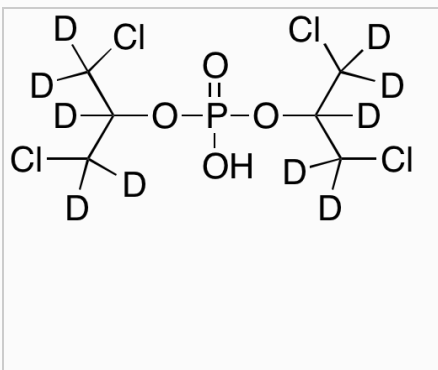
Catalogue Number: B419097

CAS Number: 1477495-19-4

Product: Bis(1,3-dichloro-2-propyl) Phosphate-d10

Synonym: 1,3-Dichloro-2,2'-(Hydrogen Phosphate) 2-Propan-1,1,2,3,3-d5

Structure:



Molecular Formula:

$C_6D_{10}HCl_4O_4P$

Molecular weight:

330

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 21-KSS-136-5

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Off-White to Brown Thick Oil to Waxy Solid	Pale Brown to Brown Gel
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 22.19, %H: 3.50
HPLC Purity	Report Result	100.00% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.4%
P NMR	Conforms to Structure	Conforms

Additional Information:

Normalized Intensity: d0 = 0.00%, d1 = 0.00%, d2 = 0.00%, d3 = 0.01%, d4 = 0.02%, d5 = 0.01%, d6 = 0.25%, d7 = 0.67%, d8 = 0.58%, d9 = 11.69%, d10 = 86.77%

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

Nicole Yip

Reviewed By

Toni Rantanen

C of A Approved By

Chanell Chu

Test Date

9/23/2022

Retest Date

9/21/2026