



CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

N/A

Catalogue Number:

TRC-I873052

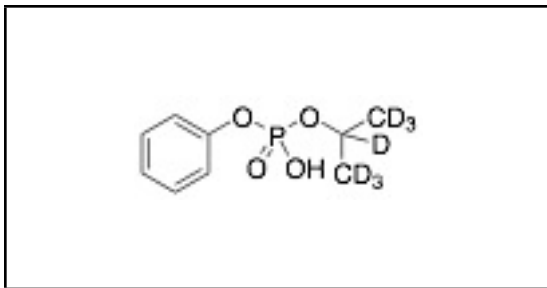
Product:

Isopropyl Phenyl Phosphate-d7

Synonyms:

Mono(1-methylethyl) Phosphoric Acid Monophenyl Ester-d7

Structure:



Molecular Formula:

C₉H₆D₇O₄P

Molecular Weight:

223.21

Source of Product:

Synthetic

2. Analytical Information

Lot Number:

13-MGG-25-2

Atmosphere:

Inert Gas

Melting Point:

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly)

Appearance of Product:

Clear Colourless Oil

Stability

Hygroscopic

Method for Determining Identity:

¹H NMR (CDCl₃), ³¹P NMR (CDCl₃), and MS

Long Term Storage Condition:

4°C, Hygroscopic

Purity:

Chemical Purity: 97%

Isotopic Purity: 99.8%

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with UV and AMCS; Single Spot, R_f = 0.25.

¹H NMR, ³¹P NMR, and MS conform to structure.

Elemental Analysis: (Found) %C: 47.97, %H: 5.84; (Calculated) %C: 48.43, %H: 5.87

Normalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 0.00%, d₄ = 0.00%, d₅ = 0.00%, d₆ = 1.22%, d₇ = 98.78%

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.

Philip Chan, Head of Quality Assurance

QC Test Date

June 27, 2017

Retest Date

June 25, 2021