

1. Identification

Catalogue Number

D494577

Lot Number

13-MAR-49-1

Product Name

Di-o-tolyl-phosphate-d14

Synonyms

Bis(2-methylphenyl) Ester Phosphoric Acid-d14; Di-o-Cresyl Hydrogen Phosphate-d14; Di-o-cresyl Phosphate-d14; Di-o-tolyl Phosphate-d14; Phosphoric Acid Di-o-tolyl Ester-d14

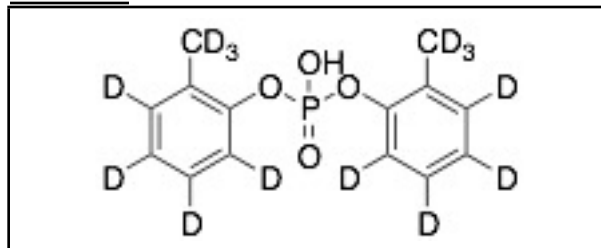
CAS Number

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₄HD₁₄O₄P

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere

Molecular Weight

292.33

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

Pale Yellow Thick Oil to Semi-Solid

Results

Pale Yellow Semi-Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 57.22, %H: 5.26

HPLC Purity

>95%

97.46% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.5%

Additional Information

TLC Conditions: SiO₂; Dichloromethane : Methanol : Acetic Acid = 9 : 1 : 0.1; Visualized with UV, AMCS, and KMnO₄; Single Spot, R_f = 0.50.

Elemental Analysis: (Theoretical) %C: 57.52, %H: 5.17

Normalized Intensity: d₀ = 0.12%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 0.03%, d₄ = 0.00%, d₅ = 0.00%, d₆ = 0.00%, d₇ = 0.01%, d₈ = 0.00%,

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

Hanxiang Li

Hanxiang Li

Product Quality Specialist

Reviewed by

Neha

Neha Khanna

Product Quality Specialist

C of A Approved by

My

My Nguyen

Quality Assurance Associate

Test Date

11/27/2019

Retest Date

11/25/2026