

1. Identification

Catalogue Number

P359437

Lot Number

21-MAR-109-1

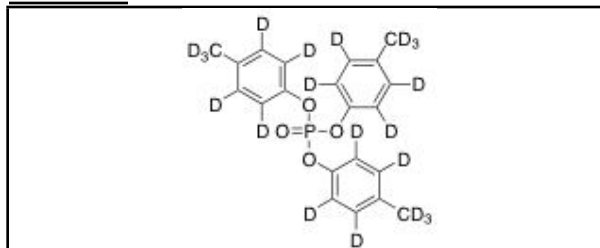
Product Name

Phosphoric Acid Tris(4-methylphenyl)-d21 Ester

Synonyms

Phosphoric Acid Tri-p-tolyl-d21 Ester; NSC 2181-d21; Tri-p-cresyl Phosphate-d21; Tri-p-tolyl Phosphate-d21; Tris(4-methylphenyl) Phosphate-d21; Tris(p-cresyl) Phosphate-d21; Tris(p-methylphenyl) Phosphate-d21; p-Tolyl Phosphate-d21

Structure



CAS Number

N/A

Solubility

Chloroform (Slightly), Ethyl Acetate (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₁D₂₁O₄P

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

389.49

Purity

98%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Yellow Solid

Results

Off-White to Pale Yellow Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 64.59, %H: 5.53

HPLC Purity

Report Result

98.59% (210 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.4%

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.00%, d₃ = 0.00%, d₄ = 0.04%, d₅ = 0.61%, d₆ = 0.00%, d₇ = 0.00%, d₈ = 0.00%, d₉ = 0.01%, d₁₀ = 0.00%, d₁₁ = 0.00%, d₁₂ = 0.01%, d₁₃ = 0.00%, d₁₄ = 0.02%, d₁₅ = 0.00%, d₁₆ = 0.00%, d₁₇ = 0.00%, d₁₈ = 0.00%, d₁₉ = 1.71%, d₂₀ = 20.44%, d₂₁ = 77.18%

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

Farnaz M.

Farnaz Mahmoudi

Product Quality Specialist

Reviewed by

Toni R.

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Sadaf S.

Sadaf Samadi

Quality Assurance Associate

Test Date

6/18/2024

Retest Date

6/16/2031