

1. Identification

Catalogue Number

T884652

Lot Number

12-MPT-46-1

Product Name

Tris(2-ethylhexyl) Phosphate-d51

Synonyms

Disflamoll TOF-d51; Durad TOP-d51; Flexol TOF-d51; NSC 407921-d51; Reomol TOF-d51; TEHP-d51; TOF-d51; TOP-d51; Tri(2-ethylhexyl) Phosphate-d51; Trioctyl Phosphate-d51; Tris(2-ethylhexyl) Phosphate-d51

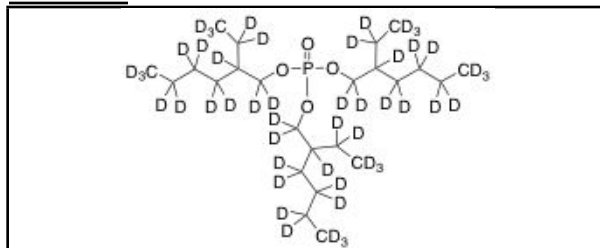
CAS Number

1259188-37-8

Solubility

Acetonitrile (Slightly), Chloroform (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₄D₅₁O₄P

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

485.95

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests	Specifications	Results
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 59.40, %H: 10.55
GC Purity	>95%	96.06%
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	96.4%

Additional Information

Normalized Intensity: d₀ = 0.03%, d₁ = 0.12%, d₂ = 0.09%, d₃ = 0.02%, d₄ = 0.06%, d₅ = 0.00%, d₆ = 0.12%, d₇ = 0.17%, d₈ = 0.16%, d₉ = 0.14%, d₁₀ = 0.02%, d₁₁ = 0.03%, d₁₂ = 0.01%, d₁₃ = 0.02%, d₁₄ = 0.09%, d₁₅ = 0.13%, d₁₆ = 0.24%, d₁₇ = 0.28%, d₁₈ = 0.00%, d₁₉ = 0.06%, d₂₀ = 0.02%, d₂₁ = 0.01%, d₂₂ = 0.04%, d₂₃ = 0.02%, d₂₄ = 0.01%, d₂₅ = 0.01%, d₂₆ = 0.11%, d₂₇ = 0.00%, d₂₈ = 0.00%, d₂₉ = 0.01%, d₃₀ = 0.12%, d₃₁ = 0.06%, d₃₂ = 0.06%, d₃₃ = 0.10%, d₃₄ = 0.00%, d₃₅ = 0.13%, d₃₆ = 0.07%, d₃₇ = 0.11%, d₃₈ = 0.18%, d₃₉ = 0.03%, d₄₀ = 0.01%,

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
R. Swathi			3/7/2025	3/5/2029
Swathi Reddy	Toni Rantanen	Sadaf Samadi		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		