

1. Identification

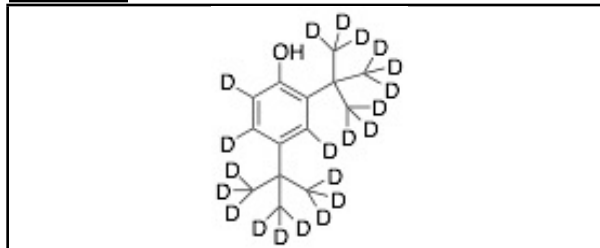
Catalogue Number

D429474

Lot Number

6-TKN-53-2

Structure



Product Name

2,4-Di-tert-butylphenol-d21 (>90%)

Synonyms

2,4-Bis[1,1-di(methyl-d3)ethyl-2,2,2-d3]phen-2,3,5-d3-ol

CAS Number

1413431-25-0

Solubility

Chloroform (Slightly), Ethyl Acetate (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₄HD₂₁O

Source of Product

N/A

Long Term Storage Conditions

20°C

Molecular Weight

227.45

Purity

>90%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Light Beige Low-Melting Solid

Results

Pale Beige to Light Beige Low-Melting Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

Report Result

92.26% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.7%

Additional Information

Normalized Intensity: d₀ = 0.05%, d₁ = 0.23%, d₂ = 0.00%, d₃ = 0.01%, d₄ = 0.01%, d₅ = 0.04%, d₆ = 0.00%, d₇ = 0.00%, d₈ = 0.02%, d₉ = 0.01%, d₁₀ = 0.00%, d₁₁ = 0.01%, d₁₂ = 0.01%, d₁₃ = 0.03%, d₁₄ = 0.00%, d₁₅ = 0.01%, d₁₆ = 0.04%, d₁₇ = 0.00%, d₁₈ = 0.03%, d₁₉ = 0.62%, d₂₀ = 17.85%, d₂₁ = 81.03%

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

R. Reddy

Reviewed by

Toni Rantanen

C of A Approved by

Sadaf Samadi

Test Date

5/8/2025

Retest Date

5/6/2029

Swathi Reddy

Toni Rantanen

Sadaf Samadi

Product Quality Specialist

Manager, Quality Assurance

Quality Assurance Associate