

1. Identification

Catalogue Number

D428017

Lot Number

6-TKN-64-2

Product Name

2,4-Di-tert-butyl-6-(5-chloro-2H-benzotriazol-2-yl)phenol-d20

Synonyms

2,4-Di-(tert-butyl)-6-(5-chloro-2H-benzo[d][1,2,3]triazol-2-yl)phenol-d18; 2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol-d18; 2-(2-Hydroxy-3,5-di-tert-butylphenyl)-5-chloro-2H-benzotriazole-d18; 2-(2-Hydroxy-3,5-di-tert-butylphenyl)-5-chlorobenzotriazole-d18; 2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)-5-chlorobenzotriazole-d18; 2-(3,5-Di-tert-butyl-2-hydroxyphenyl)-5-chloro-2H-

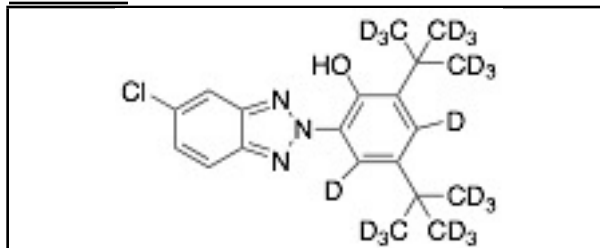
CAS Number

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₀H₄D₂₀ClN₃O

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere, Light sensitive

Molecular Weight

378

Purity

>95%

2. Warnings

Light Sensitive

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

97.92% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

97.6%

Additional Information

Normalized Intensity: d₀ = 0.20%, d₁ = 0.14%, d₂ = 0.72%, d₃ = 0.03%, d₄ = 0.03%, d₅ = 0.00%, d₆ = 0.11%, d₇ = 0.00%, d₈ = 0.08%, d₉ = 0.02%, d₁₀ = 0.01%, d₁₁ = 0.10%, d₁₂ = 0.10%, d₁₃ = 0.00%, d₁₄ = 0.31%, d₁₅ = 0.27%, d₁₆ = 0.26%, d₁₇ = 0.20%, d₁₈ = 1.42%, d₁₉ = 15.95%, d₂₀ = 80.03%

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

Farnaz Mahmoudi

Farnaz Mahmoudi

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Sadaf Samadi

Sadaf Samadi

Quality Assurance Associate

Test Date

6/12/2024

Retest Date

6/10/2031