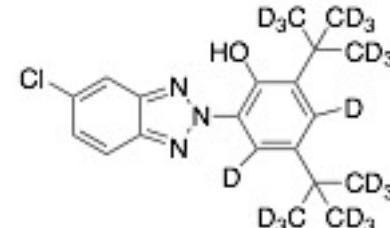


1. Identification

Catalogue Number **Lot Number**
D428017 6-TKN-64-2

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

StructureSynonyms

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)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₀H₄D₂₀CIN₃O

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

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	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 $\pm 2\%$. 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			6/12/2024	6/10/2031

Farnaz Mahmoudi
Product Quality Specialist

Toni Rantanen
Manager, Quality Assurance

Sadaf Samadi
Quality Assurance Associate