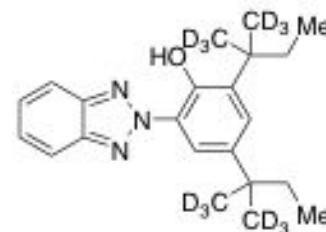


1. Identification

Catalogue Number B207047 Lot Number 17-VSB-17-1

Product Name
2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol-d12 (Major)

StructureSynonyms

2-(2-Hydroxy-3,5-di-tert-amylophenyl)-2H-benzotriazole-d12; 2-(2-Hydroxy-3,5-di-tert-amylophenyl)benzotriazole-d12; 2-(2-Hydroxy-3,5-di-tert-pentylphenyl)benzotriazole-d12; 2-(2H-Benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol-d12; 2-(2H-Benzotriazol-2-yl)-4,6-di-tert-pentylphenol-d12; 2-(2'-Hydroxy-3',5'-di-tert-amylophenyl)benzotriazole; 2-(3,5-Di-tert-amylo-2-hydroxyphenyl)-2H-benzotriazole-

CAS Number

N/A Solubility
Chloroform (Slightly), Methanol (Slightly, Heated, Sonicated)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₂H₁₇D₁₂N₃O

Long Term Storage Conditions

4°C, Inert atmosphere

Molecular Weight

363.56 Purity
>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Purple to Dark Purple Solid	Purple to Dark Purple Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 73.07, %H: 8.20, %N: 11.22
HPLC Purity	>95%	97.79% (303 nm)
MS	Conforms to Structure	Conforms

Additional Information

Normalized Intensity (d₁₂): d₀ = 0.43%, d₁ = 0.69%, d₂ = 0.00%, d₃ = 0.81%, d₄ = 0.28%, d₅ = 0.37%, d₆ = 0.33%, d₇ = 0.58%, d₀ = 5.49%, d₉ = 9.91%, d₁₀ = 18.80%, d₁₁ = 27.74%, d₁₂ = 34.57%

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>
Evan Burns			10/8/2021	10/6/2025
Evan Burns Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Christina Gouliaras Quality Assurance Associate		