

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)

Synonyms

2-(2-Hydroxy-3,5-di-tert-amylphenyl)-2H-benzotriazole-d12; 2-(2-Hydroxy-3,5-di-tert-amylphenyl)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-amylphenyl)benzotriazole; 2-(3,5-Di-tert-amyl-2-hydroxyphenyl)-2H-benzotriazole-

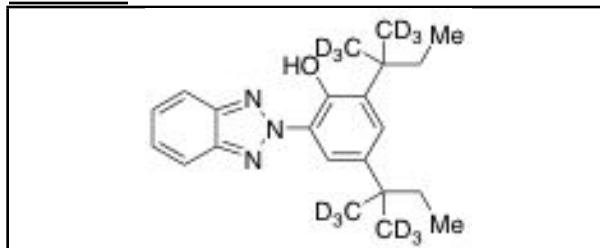
CAS Number

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly, Heated, Sonicated)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₂H₁₇D₁₂N₃O

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere

Molecular Weight

363.56

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

Purple to Dark Purple Solid

Results

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%, d₈ = 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 ± 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

Evan Burns

Reviewed by

Toni Rantanen

C of A Approved by

Christina Gouliaras

Test Date

10/8/2021

Retest Date

10/6/2025

Evan Burns
Product Quality Specialist

Toni Rantanen
Manager, Quality Assurance

Christina Gouliaras
Quality Assurance Associate