

**1. Identification**Catalogue Number

B207012

Lot Number

3-NES-74-2

Product Name

2-Benzotriazolyl-4-tert-octylphenol-13C6

Synonyms

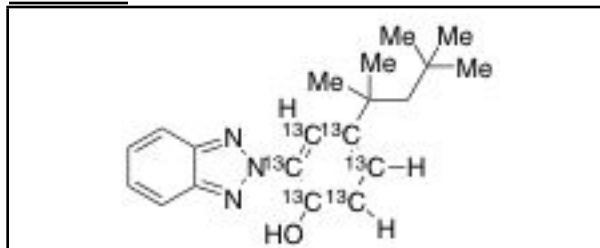
1268A-13C6; 2-(2-Hydroxy-5-tert-octylphenyl)-2H-benzotriazole-13C6; 2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole-13C6; 2-(2-Hydroxy-5-tert-octylphenyl)-2H-benzotriazole-13C6; 2-(2-Hydroxy-5-tert-octylphenyl)benzotriazole-13C6; 2-(2H-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol-13C6; 2-(2H-Benzotriazol-2-yl)-4-(2,4,4-trimethylpentan-2-yl)phenol-13C6; 2-(2H-Benzotriazol-2-yl)-4-tert-octylphenol-13C6

CAS Number

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly)

StructureShipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_{14}^{13}C_6H_{25}N_3O$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

329.39

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	95.87% (205 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.8%

Additional InformationNormalized Intensity: $^{13}C_0 = 0.06\%$, $^{13}C_1 = 0.06\%$, $^{13}C_2 = 0.00\%$, $^{13}C_3 = 0.02\%$, $^{13}C_4 = 0.12\%$, $^{13}C_5 = 0.00\%$, $^{13}C_6 = 99.75\%$ 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. SignaturesReviewed by

Jingning Zhou

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

7/16/2024

Retest Date

7/14/2028