

**1. Identification**Catalogue Number

B204037

Lot Number

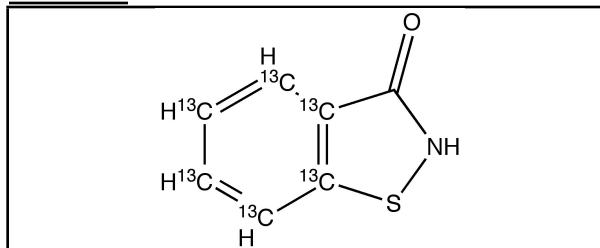
17-VHP-9-2

Product Name

Benzoisothiazol-3-one-13C6

Synonyms

1,2-Benzisothiazol-3(2H)-one-13C6; 3-Hydroxy-1,2-benzisothiazole-13C6; Acticide BIT-13C6; Apizas AP-DS-13C6; BIT-13C6; Benzisothiazolone-13C6; Benzo[d]isothiazol

StructureCAS Number

2751539-26-9

Solubility

DMSO (Slightly), Methanol (Very Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC¹³C₆H₅NOSSource of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

157.14

Purity

>95%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

Off-White to Very Dark Red Solid

Results

Very Dark Orange to Very Dark Red Solid

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 53.20, %H: 3.21, %N: 8.87

HPLC Purity

>95%

99.01% (225 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

>99.9%

Additional InformationNormalized Intensity: ¹³C₀ = 0.01%, ¹³C₁ = 0.00%, ¹³C₂ = 0.00%, ¹³C₃ = 0.01%, ¹³C₄ = 0.01%, ¹³C₅ = 0.00%, ¹³C₆ = 99.97%

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. SignaturesReviewed by

A. Vijaya

Vijaya Annapareddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Christina Gouliaras

Quality Assurance Associate

Test Date

10/24/2024

Retest Date

10/22/2028