

1. Identification

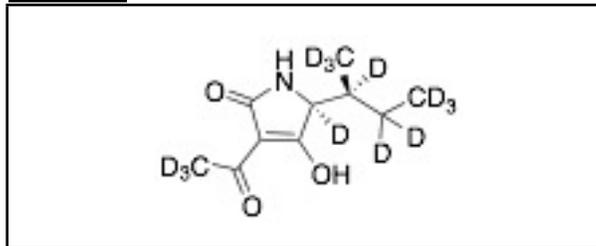
Catalogue Number

T019628

Lot Number

13-GAC-28-1

Structure



Product Name

Tenuazonic Acid-d13 (Major)

Synonyms

(5S)-3-Acetyl-1,5-dihydro-4-hydroxy-5-[(1S)-1-methylpropyl]-2H-pyrrol-2-one-d13; L-Tenuazonic Acid-d13;

CAS Number

N/A

Solubility

Dichloromethane (Very Slightly),
Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula

C₁₀H₂D₁₃NO₃

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

210.31

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Light Yellow to Dark Orange Sticky Solid to Solid

Results

Light Orange Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 57.27, %H: 7.16, %N: 6.69

HPLC Purity

>95%

99.20% (280 nm)

MS

Conforms to Structure

Conforms

Additional Information

Normalized Intensity: d₀ = 0.01%, d₁ = 0.01%, d₂ = 0.04%, d₃ = 0.01%, d₄ = 0.01%, d₅ = 0.01%, d₆ = 0.00%, d₇ = 0.01%, d₈ = 0.02%, d₉ = 0.07%, d₁₀ = 1.42%, d₁₁ = 7.25%, d₁₂ = 30.28%, d₁₃ = 60.86%

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

Neha

Neha Khanna

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

8/1/2024

Retest Date

7/30/2028