

1. Identification

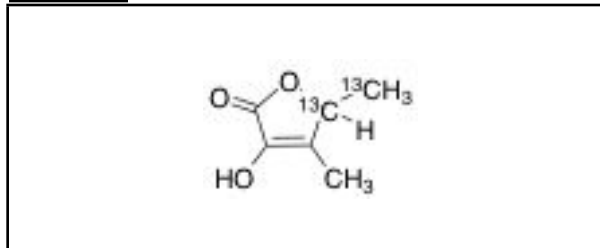
Catalogue Number

D473603

Lot Number

17-GAC-80-2

Structure



Product Name

4,5-Dimethyl-3-hydroxy-2(5H)-furanone-13C2

Synonyms

3-Hydroxy-4,5-dimethyl-2(5H)furanone-13C2;

CAS Number

156420-66-5

Solubility

Chloroform (Slightly), DMSO (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₄¹³C₂H₈O₃

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

130.11

Purity

>95%

2. Warnings

Volatile

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Pale Yellow Oil

Results

Clear Colourless to Pale Yellow Oil

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 55.18, %H: 6.59

GC Purity

>95%

99.41%

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.8%

Additional Information

Normalized Intensity: ¹³C₀ = 0.02%, ¹³C₁ = 0.33%, ¹³C₂ = 99.65%

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

R. Swathi

swathi reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Quality Assurance Associate

Test Date

6/11/2024

Retest Date

6/9/2028