

1. Identification

Catalogue Number

F500382

Lot Number

2023-SAP-051

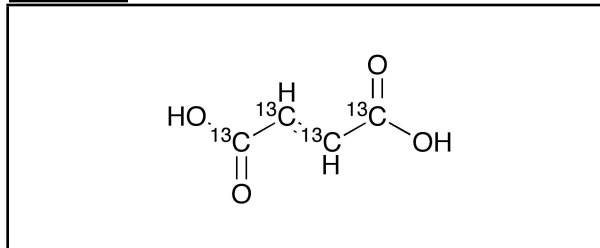
Product Name

Fumaric Acid-13C4

Synonyms

(2E)-2-Butenedioic Acid-13C4; (2E)-But-2-enedioic Acid-13C4; (E)-2-Butenedioic Acid-13C4; 2-(E)-Butenedioic Acid-13C4; (E)-Butenedioic Acid-13C4; Allomaleic Acid-13C4; Bakeshure 451-13C4; Bakeshure 470-13C4; Boletic Acid-13C4; FC 33-13C4; Lichenic Acid-13C4; NSC 2752-13C4; Petrom-13C4; trans-1,2-Ethylenedicarboxylic Acid-13C4; trans-2-Butenedioic Acid-13C4; trans-Butenedioic

Structure



CAS Number

201595-62-2

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

¹³C₄H₄O₄

Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

120.04

Purity

98%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 39.54, %H: 3.31

HPLC Purity

Report Result

99.65% (210 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.4%

Additional Information

Normalized Intensity: ¹³C₀ = 0.01%, ¹³C₁ = 0.02%, ¹³C₂ = 0.17%, ¹³C₃ = 2.13%, ¹³C₄ = 97.68%

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

Henry Tieu
Product Quality Specialist

Reviewed by

Toni Rantanen
Manager, Quality Assurance

C of A Approved by

Chanell Chu
Jr. Quality Assurance

Test Date

3/3/2023

Retest Date

3/1/2027