

1. Identification

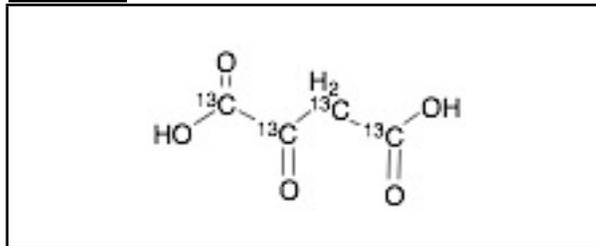
Catalogue Number

O845032

Lot Number

21-KSS-178-3

Structure



Product Name

Oxaloacetic Acid-13C4

Synonyms

Oxobutanedioic Acid-13C4; Oxalacetic Acid-13C4; 2-Ketosuccinic Acid-13C4; 2-Oxobutanedioic Acid-13C4; 2-Oxosuccinic Acid-13C4; Ketosuccinic Acid-13C4; NSC 284205-13C4; NSC 77688-13C4; OAA-13C4; Oxaloacetic Acid-13C4; Oxaloethanoic Acid-13C4; Oxosuccinic Acid-13C4; α-Ketosuccinic Acid-13C4

CAS Number

161096-82-8

Solubility

Acetone (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

¹³C₄H₄O₅

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

136.04

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Beige Solid

Results

White to Pale Beige Solid

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 35.60, %H: 2.59

HPLC Purity

>95%

98.42% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.6%

Additional Information

Normalized Intensity: ¹³C₀ = 0.12%, ¹³C₁ = 0.75%, ¹³C₂ = 0.00%, ¹³C₃ = 2.97%, ¹³C₄ = 96.16%

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

A. Vijaya

Vijaya Annapareddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Nicole Badiali

Nicole Badiali

Quality Assurance Associate

Test Date

8/8/2025

Retest Date

8/6/2029