



CERTIFICATE OF ANALYSIS

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1. Identification

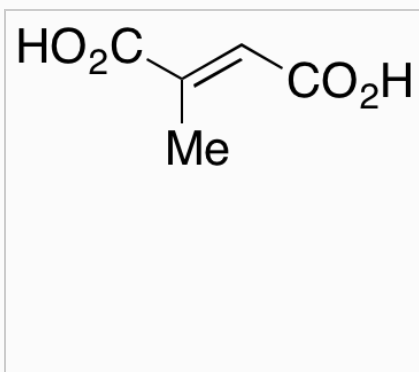
Catalogue Number: M225690

CAS Number: 498-24-8

Product: Mesaconic Acid

Synonym: (E)-2-Methyl-2-butenedioic Acid; (2E)-2-Methyl-2-butenedioic Acid; (E)-Citraconic Acid; 2-Methylfumaric Acid; Citronic Acid; Methylfumaric Acid; NSC 65438; trans-1-Propene-1,2-dicarboxylic Acid; trans-2-Methyl-2-butenedioic Acid

Structure:



Molecular Formula:

C₅H₆O₄

Molecular weight:

130.1

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 1-MSW-90-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.99% (220 nm)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	My Nguyen	9/28/2020	9/26/2027