



## CERTIFICATE OF ANALYSIS

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### 1. Identification

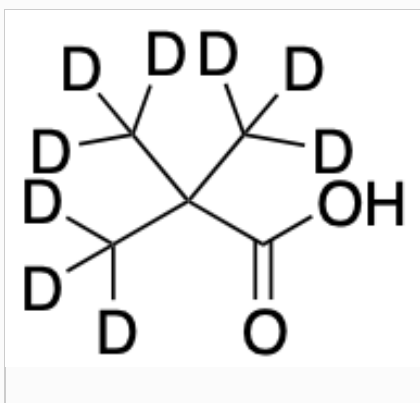
**Catalogue Number:** P520004

**CAS Number:** 42983-07-3

**Product:** Pivalic acid-d9

**Synonym:** 2,2-Di(methyl-d3)propanoic-3,3,3-d3 Acid; 2,2-Dimethylpropanoic Acid-d9; 2,2,2-Trimethylacetic Acid-d9; 2,2-Dimethylpropanoic Acid-d9; 2,2-Dimethylpropionic Acid-d9; NSC 65449-d9; Neopentanoic Acid-d9; Neovaleric Acid-d9; Trimethylacetic Acid-d9; Trimethylmethanecarboxylic Acid-d9; Versatic 5 Acid-d9; tert-Pentanoic Acid-d9;  $\alpha,\alpha$ -Dimethylpropionic Acid-d9;

**Structure:**



**Molecular Formula:**

$C_5H_9O_2$

**Molecular weight:**

111.19

**Source of Product:**

Synthetic

**Solubility:**

Aqueous Base (Slightly),  
Dichloromethane (Slightly),  
Methanol (Slightly)

**Lot Number:** AC-316

**Purity:** 97%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Semi-Solid	White to Off-White Semi-Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 53.34, %H: 8.82
GC	>95%	100.00%
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.0% (d0 = 0.00%)

**Additional Information:**

\*\*\*Material was manufactured at CDN Isotopes, an affiliate of TRC\*\*\*

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**

Meenakshi Sharma



**Reviewed By**

Toni Rantanen



**C of A Approved  
By**

Chanell Chu



**Test Date**

6/29/2021

**Retest Date**

6/27/2025