



CERTIFICATE OF ANALYSIS

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1. Identification

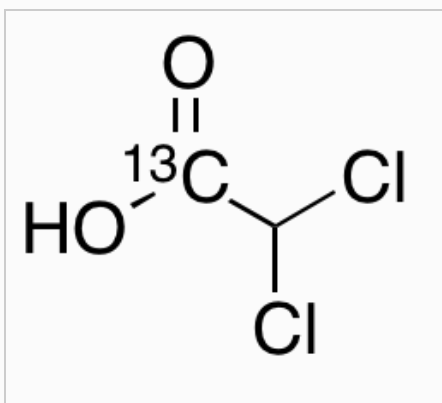
Catalogue Number: D431828

CAS Number: 173470-70-7

Product: 2,2-Dichloroacetic Acid-1-¹³C

Synonym:

Structure:



Molecular Formula:

$C^{13}CH_2Cl_2O_2$

Molecular weight:

129.93

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Slightly)

Lot Number: 16-ISU-112-2

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped With Blue Ice

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:

Specifications:

Results:

Appearance

Colourless to Yellow Oil

Clear Colourless Oil

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.9% ($^{13}C_0 = 0.11\%$)

MS

Conforms to Structure

Conforms

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

Evan Burns

Toni Rantanen

Chanell Chu

1/27/2022

1/25/2026