



CERTIFICATE OF ANALYSIS

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1. Identification

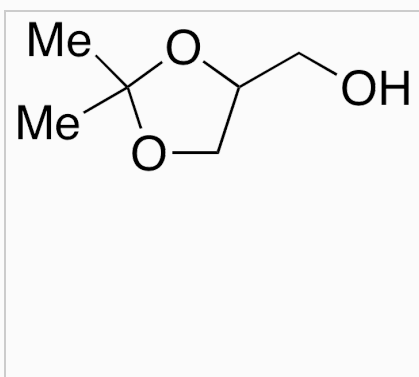
Catalogue Number: D472640

CAS Number: 100-79-8

Product: (R,S)-2,2-Dimethyl-1,3-dioxolane-4-methanol

Synonym: (RS)-Solketal; (+/-)-1,2-O-Isopropylideneglycerol; (+/-)-Glycerol 1,2-Acetonide; 1,2-Isopropylideneglycerin; 1,2-Isopropylideneglycerol; 2,3-(Isopropylidenedioxy)propanol; 2,3-Isopropylideneglycerol; Acetone Glyceryl Acetal; Dioxolan; α,β -Isopropylidene Ether; Glycerolacetone; NSC 59720;

Structure:



Molecular Formula:

$C_6H_{12}O_3$

Molecular weight:

132.16

Source of Product:

N/A

Solubility:

Chloroform (Soluble), DMSO (Slightly), Methanol

Lot Number: 20-SBL-127-1

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:
Elemental Analysis	Conforms	%C: 54.74, %H: 9.47
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+0.4° (c = 1.0, Chloroform)
GC	Report Result	97.68%

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
Nicole Yip	Toni Rantanen	Chanell Chu	1/7/2022	1/5/2026
				