



CERTIFICATE OF ANALYSIS

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1. Identification

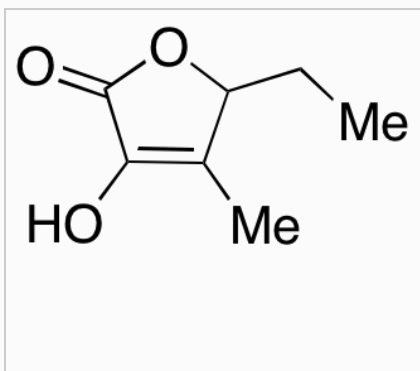
Catalogue Number: E919005

CAS Number: 698-10-2

Product: 5-Ethyl-3-hydroxy-4-methyl-2(5H)-furanone

Synonym: 2,4-Dihydroxy-3-methyl-2-hexenoic Acid γ -Lactone; 3-Hydroxy-4-methyl-5-ethyl-2(5H)-furanone; Abhexone; Homosotolone; α -Hydroxy- β -methyl- $\Delta\alpha,\beta$ - γ -hexenolactone; α -Hydroxy- β -methyl- γ -hexenolactone

Structure:



Molecular Formula:

C₇H₁₀O₃

Molecular weight:

142.15

Source of Product:

N/A

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 1-XPL-46-1

Purity: 95%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless to Pale Yellow Oil to Low-Melting Solid	Off-White Low-Melting Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 58.37, %H: 7.19
HPLC Purity	Report Result	98.86% (235 nm)
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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	10/27/2021	10/25/2025