



CERTIFICATE OF ANALYSIS

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1. Identification

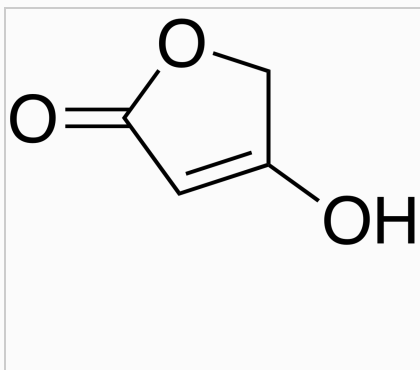
Catalogue Number: T309513

CAS Number: 541-57-1

Product: β -Tetronic Acid

Synonym: 4-Hydroxy-2(5H)-furanone; 3-Hydroxy-2H-furan-5-one; 4-Hydroxy-5H-furan-2-one

Structure:



Molecular Formula:

C₄H₄O₃

Molecular weight:

100.07

Source of Product:

N/A

Solubility:

DMSO (Sparingly), Methanol (Slightly)

Lot Number: 22-SBL-79-1

Purity: 96%

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: |
|--------------------|----------------------------|----------------------------|
| Elemental Analysis | Conforms | %C: 48.27, %H: 3.96 |
| Appearance | Light Beige to Beige Solid | Light Beige to Beige Solid |
| NMR | Conforms to Structure | Conforms |
| C NMR | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 96.92% (230 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 |
|-------------|---------------|--------------------|-----------|-------------|
| Evan Burns | Toni Rantanen | Chanell Chu | 4/21/2022 | 4/19/2026 |
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