



CERTIFICATE OF ANALYSIS

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1. Identification

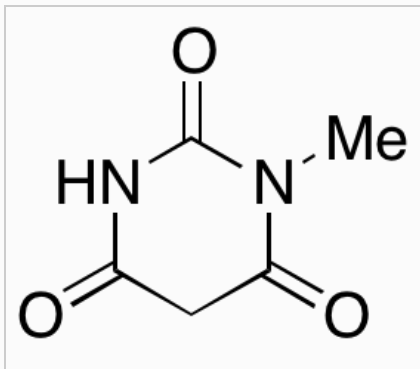
Catalogue Number: M294025

CAS Number: 2565-47-1

Product: 1-Methylbarbituric Acid

Synonym: 1-Methylpyrimidine-2,4,6(1H,3H,5H)-trione;
3-Methylbarbituric Acid; N-Methylbarbituric
Acid; NSC 81440; Trelagliptin Impurity 14

Structure:



Molecular Formula:

C₅H₆N₂O₃

Molecular weight:

142.11

Source of Product:

N/A

Solubility:

DMSO (Sparingly), Methanol
(Slightly)

Lot Number: TRC-1075660-3-1

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: |
|--------------------|--------------------------|--------------------------------|
| NMR | Conforms to Structure | Conforms |
| C NMR | Conforms to Structure | Conforms |
| MS | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 99.91% (260 nm) |
| Appearance | White to Off-White Solid | White to Off-White Solid |
| Elemental Analysis | Conforms | %C: 39.95, %H: 4.15, %N: 18.66 |

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 | 6/9/2022 | 6/7/2026 |
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