



CERTIFICATE OF ANALYSIS

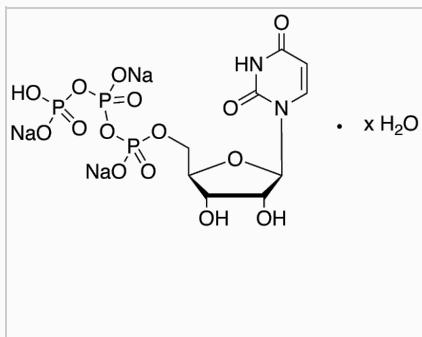
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1. Identification

Catalogue Number: U830025

Product: Uridine 5'-Triphosphate Trisodium Salt Hydrate

Structure:



CAS Number: NA

Synonym: Uridine 5'-(Tetrahydrogen Triphosphate) Trisodium Salt Hydrate; NSC 20260 Hydrate; Trisodium UTP Hydrate; UTP Trisodium Salt Hydrate; Utipina Hydrate;

Molecular Formula:

C₉H₁₂N₂Na₃O₁₅P₃•xH₂O

Molecular weight:

550.09 (anhydrous basis)

Source of Product:

N/A

Solubility:

Water (Slightly)

Lot Number: 1-PQY-141-1

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 | White to Off-White Solid | Off-White Solid |
| NMR | Conforms to Structure | Conforms |
| P NMR | Conforms to Structure | Conforms |
| Water Content | Report Result | 9.4% by Karl Fischer |
| MS | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 98.50% (260 nm) |
| C NMR | 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 ± 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 | 5/30/2022 | 5/28/2026 |