



CERTIFICATE OF ANALYSIS

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1. Identification

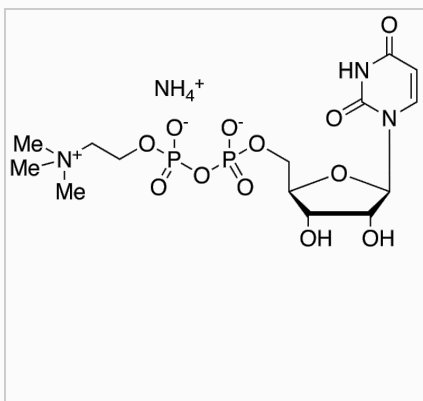
Catalogue Number: U829930

CAS Number: NA

Product: Uridine Diphosphate Choline Ammonium Salt

Synonym: Uridine 5'-(Trihydrogen Diphosphate) P¹-[2-(Trimethylammonio)ethyl] Ester Ammonium Salt;

Structure:



Molecular Formula:

C₁₄H₂₈N₄O₁₂P₂

Molecular weight:

506.34

Source of Product:

Synthetic

Solubility:

DMSO (Slightly, Heated, Sonicated), Methanol (Slightly, Heated), Water (Slightly)

Lot Number: 6-GMG-82-5

Purity: 96%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Dark Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	96.20% (265 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-1.3° (c = 0.2, Water)
Ammonium Content	Report Result	3.15% by Ion Chromatography
Elemental Analysis	Conforms	%C: 32.41, %H: 5.91, %N: 10.90
P 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	7/13/2022	7/11/2026
				