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CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2027

Product Name: Citicoline IP Impurity B

Identification:

Chemical Name: ((2R,3S,4R,5R)-5-(4-Amino-2-oxypyrimidin-1(2H)-yl)-3,4-dihydroxytetrahydrofuran-2-yl)methyl dihydrogen phosphate

Synonyms : 5'-Cytidylic Acid (USP) ; Cytidine
5'-Monophosphate

CAS Number : 63-37-6

CAT Number : CP-C79004

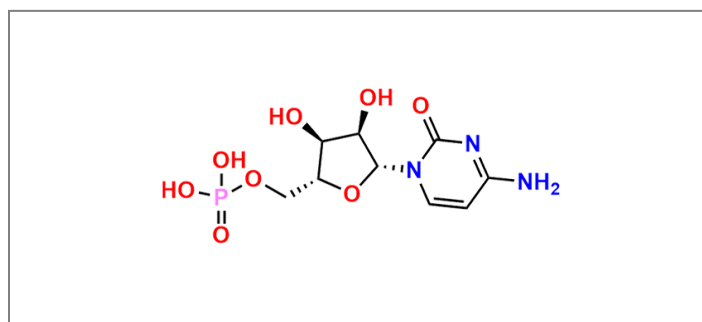
Molecular Formula : C₉H₁₄N₃O₈P

Molecular Weight : 323.20

Batch Number : CP-CIT-B-0125

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	99.19%
5)	¹ HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency	>92%



Prepared and Reviewed By



Mr. Shubham Bondre
(Quality Control)

Approved By



Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.