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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2023

Re-test Date: Oct 2026

**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

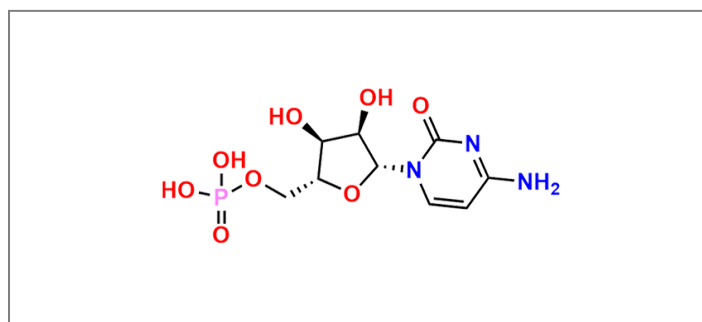
Molecular Formula : C<sub>9</sub>H<sub>14</sub>N<sub>3</sub>O<sub>8</sub>P

Molecular Weight : 323.20

Batch Number : CP-CYT-ACI-1123

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 By LCMS	Confirm to structure
4)	Purity By HPLC	98.78%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

Approved By

Ms Rohini Gagare  
(QA Head)

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