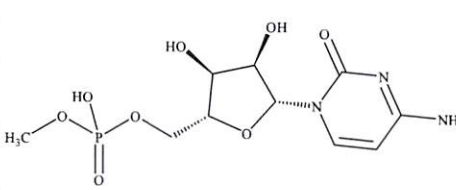


## Certificate of Analysis



Certificate No.: 20260610013

Date: June 10, 2026

Retest date: June 10, 2029

<b>Compound Name:</b>	<b>Cytidine 5'-Monophosphate Methyl Ester</b>	
<b>Synonyms:</b>	((2R,3S,4R,5R)-5-(4-amino-2-oxypyrimidin-1(2H)-yl)-3,4-dihydroxytetrahydrofuran-2-yl)methyl methyl hydrogen phosphate	
<b>TLC Catalogue Number:</b>	C-4534	
<b>CAS Number:</b>	52448-10-9	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	337.22	
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>16</sub> N <sub>3</sub> O <sub>8</sub> P	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7456-064A2	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Water	

Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>98.3%</b>
<b>Impurity (HPLC)</b>	RT 1.24, 1.68%	
<b>Water Content (KF)</b>	N/A	<b>6.1%</b>
<b>Optical Rotation</b>	N/A	[α] <sub>D</sub> <sup>25.0</sup> (c=0.83, H <sub>2</sub> O): <b>+23.9°</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>92.3%</b>
<b>Recommendation:</b>	<b>Release.</b> The compound contains 1.7% M+14 impurity (RT 1.24) according to its HPLC and LC-MS.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/10/2026
Approved by:	Quality Assurance		06/10/2026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.