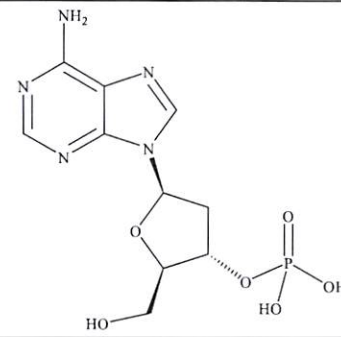


Certificate of Analysis



Certificate No.: 20260608003-2

Date: June 8, 2026

Retest date: June 3, 2029

Compound Name:	2'-Deoxyadenosine 3'-Phosphate	
Synonyms:	(2R,3S,5R)-5-(6-amino-9H-purin-9-yl)-2-(hydroxymethyl)tetrahydrofuran-3-yl dihydrogen phosphate	
TLC Catalogue Number:	A-267142	
CAS Number:	15731-72-3	
Alternate CAS Number:	102832-10-0 (Disodium salt)	
Molecular Weight:	331.22	
Molecular Formula:	C ₁₀ H ₁₄ N ₅ O ₆ P	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7261-078A4	
Storage Conditions:	Hygroscopic, store at 2-8 °C	
Solubility:	DMSO, Alkaline solution, Acidic solution	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.0%
Impurity (HPLC)	RT 1.39, 1.00%	
Water Content (KF)	N/A	6.4%
Optical Rotation	N/A	[α] _D ^{25.0} (c=0.57, DMSO): -16.6°
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	92.7%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/24/2026
Approved by:	Quality Assurance		06/24/2026

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