CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

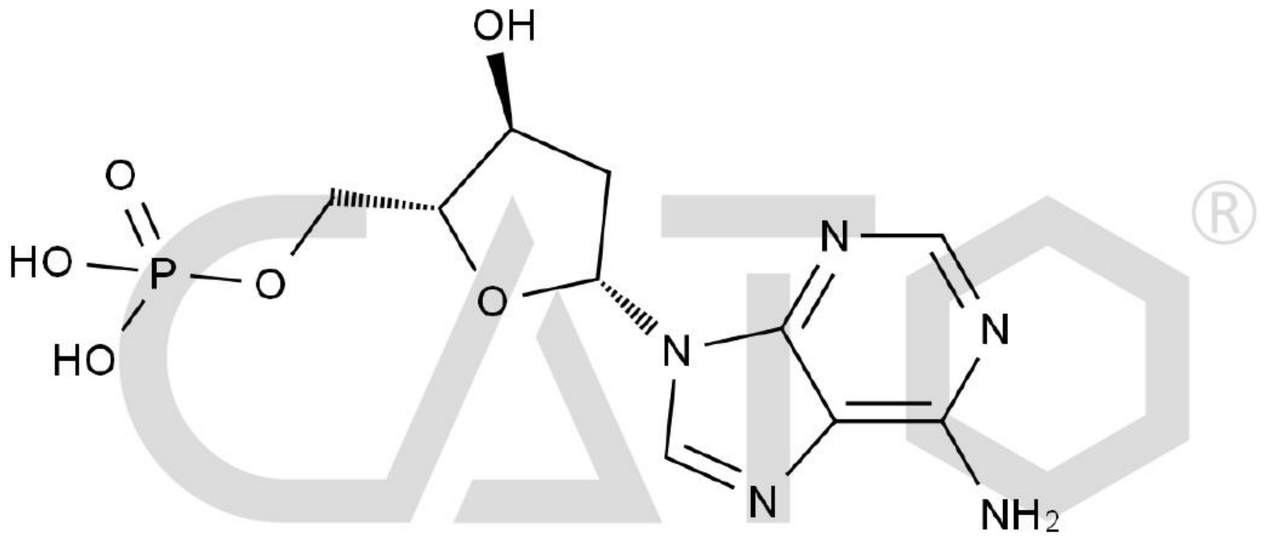
No.: 202601120048

Certificate of Analysis

Reference Material & Standard

Product Name:	2’-Deoxyadenosine 5’-Monophosphate	**Catalogue Number:**	CCHM704119
Synonyms:	N/A	**Lot Number:**	0926-RD-0028
CAS Number:	653-63-4	**Expiry Date:**	Jan 13, 2030
Molecular Formula:	$C_{10}H_{14}N_5O_6P$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	331.22	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.478%
Loss On Drying	TGA	1.0245%
Assay		96.5%
Uncertainty		±0.5%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss On Drying) * Purity HPLC (%) /100%*
Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Lisa Reviewed by: Hinlam Approved by General Manager: David

CATO Research Chemicals Inc.

Date: Jan 15, 2026 Date: Jan 15, 2026 Date: Jan 15, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

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