CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

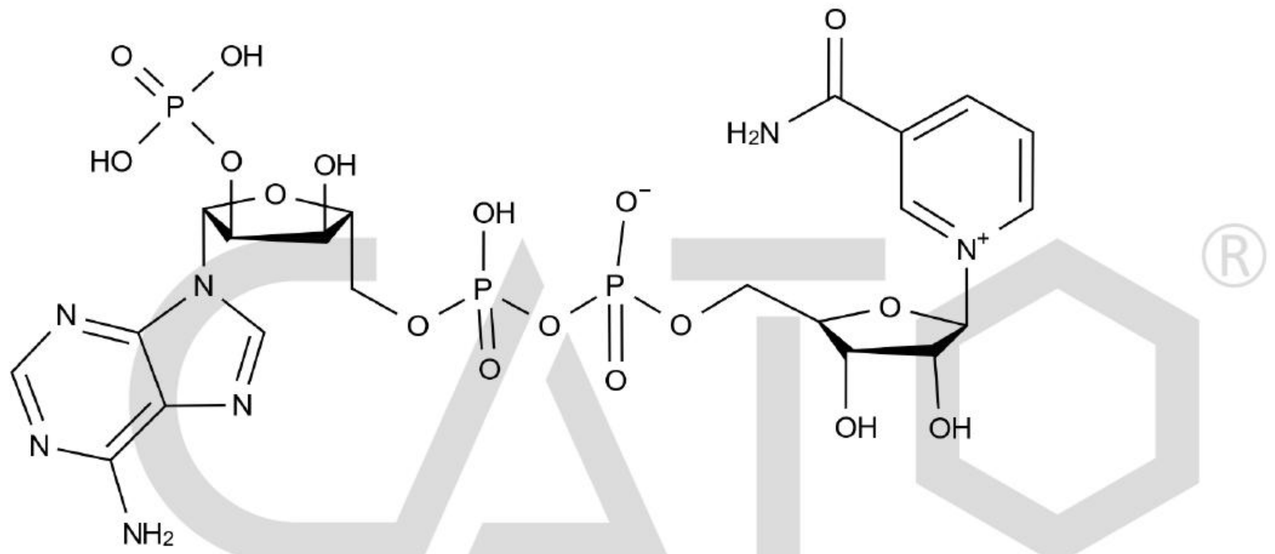
No.: 202510240179

Certificate of Analysis

Reference Material & Standard

Product Name:	Triphosphopyridine nucleotide	**Catalogue Number:**	CS352424
Synonyms:	N/A	**Lot Number:**	1026-RG-0085
CAS Number:	53-59-8	**Expiry Date:**	Oct 28, 2029
Molecular Formula:	$C_{21}H_{28}N_7O_{17}P_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	743.41	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Water	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.458%
Loss On Drying	TGA	5.0925%
Assay		91.5%
Uncertainty		±0.9%

CATO Research Chemicals Inc.

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: Alice Date: Oct 29, 2025

Reviewed by: Lisa Date: Oct 29, 2025

Approved by General Manager: David Date: Oct 29, 2025

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China
Tel: +86-20-81960175 Email: supports@cato-chem.com Web: Https://www.cato-chem.com

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

Official WeChat