# Certificate of Analysis



## NAD+

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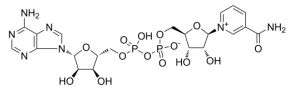
|---|---|
| **Cat. No.:** | HY-B0445 |
| **CAS No.:** | 53-84-9 |
| **Batch No.:** | 59877 |
| **Chemical Name:** | Adenosine 5'-(trihydrogen diphosphate), P'→5'-ester with 3-(aminocarbonyl)-1-β-D-ribofuranosylpyridinium, inner salt |

### PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Molecular Formula:** | $C_{21}H_{27}N_7O_{14}P_2$ | | |
| **Molecular Weight:** | **663.43** | | |
| **Storage:** | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 1 year |
| | | -20°C | 6 months |

**Chemical Structure:**



### ANALYTICAL DATA

| | |
|---|---|
| **Appearance:** | White to off-white (Solid) |
| **LCMS:** | Consistent with structure |
| **Purity (LCMS):** | **99.86%** |
| **Conclusion:** | The product has been tested and complies with the given specifications. |

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite F, Monmouth Junction, NJ 08852, USA