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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

PRODUCT INFORMATION

N^6-(2-aminoethyl)-NAD$^+$

Item No. 38569

Formal Name: N-(2-aminoethyl)-adenosine 5′-(trihydrogen diphosphate), P′→5′-ester with 3-(aminocarbonyl)-1-β-D-ribofuranosylpyridinium, inner salt, monosodium salt

Synonym: N^6-(2-aminoethyl)-Nicotinamide adenine dinucleotide

MF: $C_{23}H_{31}N_8O_{14}P_2 \bullet Na$

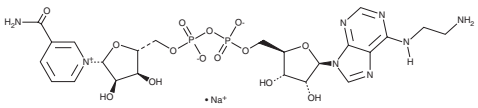
FW: 728.5

Purity: ≥95%

Supplied as: A solid

Storage: -80°C

Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

N^6-(2-aminoethyl)-NAD$^+$ is supplied as a solid. A stock solution may be made by dissolving the N^6-(2-aminoethyl)-NAD$^+$ in water. We do not recommend storing the aqueous solution for more than one day.

Description

N^6-(2-aminoethyl)-NAD$^+$ is a derivative of the signaling molecule and enzyme cofactor NAD$^+$ (Item No. 16077).[1] It has been conjugated to various matrices, including sepharose and dextran, for affinity chromatography of NAD$^+$-dependent enzymes. N^6-(2-aminoethyl)-NAD$^+$ has also been conjugated to silylated chips *via* pyrroloquinoline quinone (PQG; Item No. 20681) to act as a biosensor for lactate.[2]

References

1. Schmidt, H.-L. and Grenner, G. Coenzyme properties of NAD$^+$ bound to different matrices through the amino group in the 6-position. *Eur. J. Biochem.* **67(1)**, 295-302 (1976).
2. Zayats, M., Kharitonov, A.B., Katz, E., *et al.* An integrated NAD+-dependent enzyme-functionalized field-effect transistor (ENFET) system: Development of a lactate biosensor. *Biosens. Bioelectron.* **15(11-12)**, 671-680 (2000).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM