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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



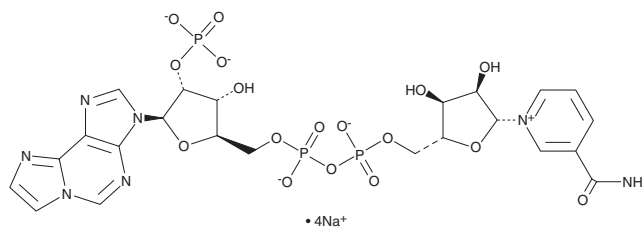
ϵ -NAADP⁺ (sodium salt)

Item No. 38490

Formal Name: (2R,3R,4R,5R)-5-(((((((2R,3S,4R,5R)-5-(3-carboxypyridin-1-ium-1-yl)-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)oxidophosphoryl)oxy)oxidophosphoryl)oxy)methyl)-4-hydroxy-2-(3H-imidazo[2,1-i]purin-3-yl)tetrahydrofuran-3-yl phosphate

Synonyms: Etheno-NAADP, N⁶-Ethenoadenine dinucleotide phosphate, Nicotinic Acid adenine dinucleotide phosphate, β -Nicotinic Acid-1

MF: C₂₃H₂₄N₆O₁₈P₃ • 4Na
FW: 857.4
Purity: ≥95%
Supplied as: A solid
Ex./Em. Max.: 275/410 nm
Storage: -80°C
Stability: ≥2 years



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

Laboratory Procedures

ϵ -NAADP⁺ (sodium salt) is supplied as a solid. A stock solution may be made by dissolving the ϵ -NAADP⁺ (sodium salt) in water. We do not recommend storing the aqueous solution for more than one day.

Description

ϵ -NAADP⁺ is a fluorescent derivative of the calcium mobilization inducer NAADP (Item No. 25992).¹ It induces calcium release in sea urchin egg homogenates (EC₅₀ = 5 μ M). ϵ -NAADP⁺ displays excitation/emission maxima at 275 and 410 nm, respectively, and its relative emission increases three-fold in DMSO.

Reference

1. Lee, H.C. and Aarhus, R. Fluorescent analogs of NAADP with calcium mobilizing activity. *Biochim. Biophys. Acta* **1425**(1), 263-271 (1998).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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