



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## $\epsilon$ -NADP<sup>+</sup> (sodium salt)

Item No. 38387

**Formal Name:** (2R,3R,4R,5R)-5-(((((((2R,3S,4R,5R)-5-(3-carbamoylpyridin-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, trisodium salt

**Synonyms:** N<sup>6</sup>-Ethenoadenine dinucleotide phosphate,  $\beta$ -Nicotinamide-1,  $\epsilon$ -Nicotinamide adenine dinucleotide phosphate

**MF:** C<sub>23</sub>H<sub>25</sub>N<sub>7</sub>O<sub>17</sub>P<sub>3</sub> • 3Na

**FW:** 833.4

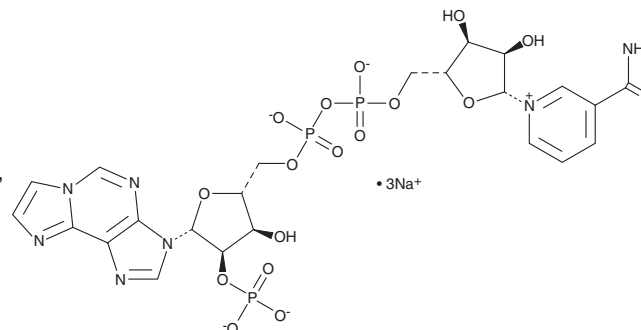
**Purity:** ≥95%

**Ex./Em. Max:** 310/400 nm

**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.

### Description

$\epsilon$ -NADP<sup>+</sup> is a fluorescent derivative of the cofactor NADP<sup>+</sup> (Item No. 10004675).<sup>1</sup> It displays excitation/emission maxima of 310/400 nm, respectively.  $\epsilon$ -NADP<sup>+</sup> has been used to determine the binding stoichiometry of NADP<sup>+</sup> to fatty acid synthase (FASN).

### Reference

1. Wong, H., Mattick, J.S., and Wakil, S.J. The architecture of the animal fatty acid synthetase. III. Isolation and characterization of  $\beta$ -ketoacyl reductase. *J. Biol. Chem.* **258**(24), 15305-15311 (1983).

#### 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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