PRODUCT INFORMATION

ε-NADP⁺ (sodium salt)

Item No. 38387

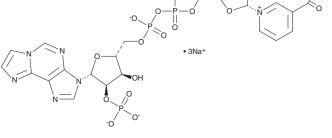|	
Formal Name:	(2R,3R,4R,5R)-5-(((((((2R,3S,4R,5R)-5-(3-carbamoylpyridin-1-ium-1-yl)-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)oxidophosphoryl)oxy)oxidophosphoryl)oxy)methyl)-4-hydroxy-2-(3H-imidazo[2,1-i]purin-3-yl)tetrahydrofuran-3-yl phosphate, trisodium salt
Synonyms:	N^6-Ethenoadenine dinucleotide phosphate, β-Nicotinamide-1, ε-Nicotinamide adenine dinucleotide phosphate
MF:	$C_{23}H_{25}N_7O_{17}P_3 \bullet 3Na$
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

ε-NADP⁺ is a fluorescent derivative of the cofactor NADP⁺ (Item No. 10004675).[1] ε-NADP⁺ displays an emission maximum of 400 upon excitation at 310 nm.[1] ε-NADP⁺ has been used to determine the binding stoichiometry of NADP⁺ 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 β-ketoacyl reductase. *J. Biol. Chem.* **258(24),** 15305-15311 (1983).