Creative Enzymes®

β-NADP

Cat. No. NPGZ-0001

Lot. No. (See product label)

Introduction

Description	β-NADP is the monosodium salt of oxidized nicotinamide adenine dinucleotide phosphate, a pyridine nucleotide coenzyme that serves as an electron acceptor in enzyme-catalyzed redox reactions.
Applications	Dehydrogenase assays; enzyme-catalyzed oxidation-reduction studies; cofactor-dependent biochemical research.
Synonyms	β-Nicotinamide adenine dinucleotide phosphate monosodium salt; Coenzyme II monosodium salt; TPN monosodium salt; Triphosphopyridine nucleotide monosodium salt

Product Information

Appearance	White powder
Form	Powder
CAS No.	1184-16-3
Molecular Formula	$C_{21}H_{27}N_7NaO_{17}P_3$
Chemical Name	β-Nicotinamide adenine dinucleotide phosphate monosodium salt
Molecular Weight	765.39 g/mol
Purity	98%
Structure	Oxidized pyridine nucleotide coenzyme; monosodium salt.
Specificity	Cofactor for NADP-dependent oxidoreductases.
Function	Accepts reducing equivalents in NADP-dependent enzymatic reactions and is converted to NADPH.
Solubility	Soluble in water and methanol; slightly soluble in ethanol; practically insoluble in ether and ethyl acetate.
Quality	Oxidized form; monosodium salt.
Usage	For use as an oxidized cofactor in NADP-dependent enzymatic and biochemical assays.

Usage and Packaging

Package	100 mg 250 mg 1 g

Storage and Shipping Information

Storage	-20°C