

NADP-Na₂

(β -Nicotinamide Adenine-dinucleotide Phosphate Disodium Salt, Oxidising agent for biochemical assays)

Product Number: 1014

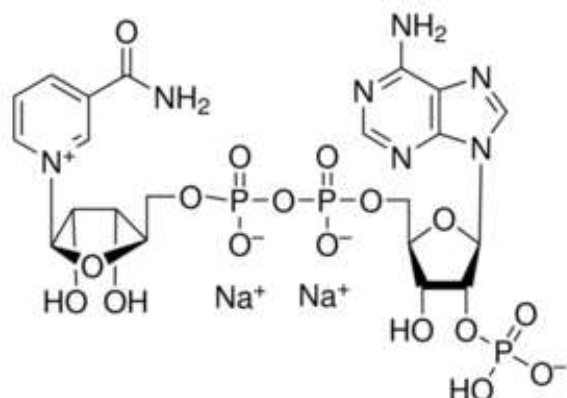
CAS Number: [24292-60-2]

Storage Condition: Keep well closed at -20 °C in a dark and dry place. Very Hygroscopic

Description

β -Nicotinamide Adenine-dinucleotide Phosphate Disodium Salt (NADP-Na₂, NADP disodium salt), an oxidising agent for biochemical assays. Purity $\geq 97\%$

Structural Formula NADP-Na₂



Specification

Yellowish powder soluble

Molecular weight-787.4g/mol

Molecular formula C₂₁H₂₆N₇Na₂O₁₇P₃ (Hill Notation)

Nicotinamide adenine dinucleotide phosphate (NADP) and NADPH create a redox pair. The coenzyme NADP/NADPH underpins redox reactions through the transport of electrons in a wide spectrum of applications, particularly anaerobic reactions such as lipid and nucleic acid synthesis. Intracellular redox potential is regulated by the ratio of NADPH/NADP, through which metabolic reactions in vivo are influenced.

Application

The β -Nicotinamide Adenine-dinucleotide Phosphate Disodium Salt has been utilised for the biochemical measurement of glucose in glycogen. Notably, NADP-Na₂ has been used for the hexokinase assay.

Quality

For laboratory use only

Offering Sizes

Available in 250mg, 1g, and 5g package sizes