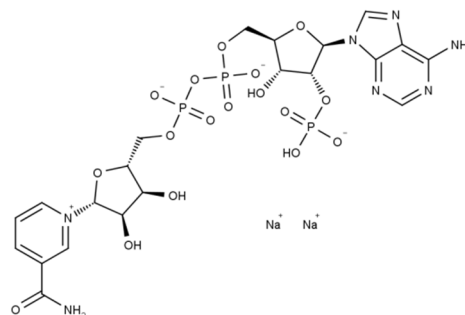




NADP⁺, disodium salt

Catalog No: 62263
Lot No: XXXXX
Cas No: 24292-60-2
Formula: C₂₁H₂₆N₇O₁₇P₃ · 2Na
MW: 787.4
Supplied as: solid
Stability: store at -20°C



Background

Nicotinamide adenine dinucleotide phosphate, abbreviated NADP⁺ or, in older notation, TPN (triphosphopyridine nucleotide), is a coenzyme used in anabolic reactions, such as lipid and nucleic acid synthesis, which require NADPH as a reducing agent. NADPH is the reduced form of NADP⁺. NADP⁺ differs from NAD⁺ in the presence of an additional phosphate group on the 2' position of the ribose ring that carries the adenine moiety.

Tests

Appearance:
Appearance of solution (50 mg/ml):
Water content (K.F.):
Assay of NADP, di-Na (enzym.):
NADP (enzym., abs. at 340 nm):
NADP (abs. at 260 nm):
NAD (enzym.):
A₃₆₀ (10 mg/ml water)
A₃₄₀ (0.01 mg/ml, pH 7.0)
Na content (flame photometry):
Methanol (GC):

Specifications

yellowish amorphous powder
 clear, colourless to slightly yellowish
 ≤6%
 ≥97% (calc. on dry basis)
 ≥85%
 ≥85%
 ≤0.5%
 ≤0.6
 ≤0.005
 4 - 5%
 ≤3%

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.