

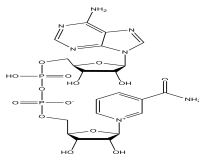
Product: NAD⁺, Free acid

ALTERNATE NAME: Nicotinamide adenine dinucleotide, β-DPN, β-NAD, Coenzyme 1, Cozymase, DPN, Diphosphopyridine nucleotide, Nadide

CATALOG #: 2734-500, 1000

AMOUNT: 500 mg, 1 g

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₂₇N₇O₁₄P₂

MOLECULAR WEIGHT: 663.43

CAS NUMBER: 53-84-9

APPEARANCE: White solid

SOLUBILITY: H₂O (50 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: A major electron acceptor molecule in biological oxidations. . Acts as a coenzyme for hydride-transfer enzymes and a substrate for NAD(+)-consuming enzymes, which include ADP-ribose transferases, poly(ADP-ribose) polymerases, cADP-ribose synthases and sirtuins. Recently reported to be a P2Y₁₁ agonist.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

β-Nicotinamide mononucleotide (Cat. No. 2733-25, 100, 250)

β-NAD (Cat. No. 2734-100, 250, 1000)

NADH (Cat. No. 2735-500, 1000, 5000)

NADP, disodium salt (Cat. No. 2736-500, 1000, 5000)

NADP, sodium salt (Cat. No. 2737-500, 1000, 5000)

NADPH, tetrasodium salt (Cat. No. 2738-50, 250, 1000)

FOR RESEARCH USE ONLY! Not to be used on humans.