Creative Enzymes®

β-Nicotinamide adenine dinucleotide (NAD)

Cat. No. NADGZ-0001

Lot. No. (See product label)

Introduction

Description	β-Nicotinamide adenine dinucleotide is the oxidized form of the NAD^+/NADH coenzyme pair and accepts reducing equivalents in enzyme-catalyzed oxidation-reduction reactions.
Applications	Biochemical research; dehydrogenase assays; oxidoreductase studies; coenzyme-dependent enzyme analysis.
Synonyms	β-Nicotinamide adenine dinucleotide, oxidized form; β-Diphosphopyridine nucleotide; Coenzyme I, oxidized form; Cozymase, oxidized form

Product Information

Appearance	White to almost white powder or crystals.
Form	Solid
CAS No.	53-84-9
Molecular Formula	$C_{21}H_{27}N_7O_{14}P_2$
Chemical Name	β-Nicotinamide adenine dinucleotide, oxidized form
Molecular Weight	663.43 g/mol
Function	Electron acceptor and hydride-transfer coenzyme in oxidation-reduction reactions.
Solubility	Soluble in water.