

β-Nicotinamide-Adenine Dinucleotide, Oxidized Form (NAD)

Cat. No. NATE-0785

Lot. No. (See product label)

Introduction

Description

Nicotinamide adenine dinucleotide (NAD) is a coenzyme found in all living cells. The compound is a dinucleotide, because it consists of two nucleotides joined through their phosphate groups. One nucleotide contains an adenine base and the other nicotinamide. Nicotinamide adenine dinucleotide exists in two forms, an oxidized and reduced form abbreviated as NAD⁺ and NADH respectively.

Synonyms

β-DPN; β-NAD; Coenzyme 1; Cozymase; DPN; Diphosphopyridine nucleotide; NAD; Nadide; 53-84-9

Product Information

CAS No.

53-84-9

Molecular Weight

663.4 (As anhydrous free acid) 681.4 (as monohydrate)

Purity

> 95%

Structure

C₂₁H₂₇N₇O₁₄P₂

Specificity

Water content: < 8% by Karl Fischer

Storage and Shipping Information

Storage

Keep tightly stoppered in the dark below 5°C. Moisture will reduce the purity. For prolonged storage, keep below -20°C.