

## 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<sup>+</sup>/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<sub>21</sub>H<sub>27</sub>N<sub>7</sub>O<sub>14</sub>P<sub>2</sub>

#### 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.