Coenzyme Beta Nad+, oxidized Form Free Acid

Catalog No.	CSI20348A CSI20348B	**Quantity:**	5 g 10 g

Alternate Names: Coenzyme-I, free acid, B-DPN

Description: Nicotinamide adenine dinucleotide, abbreviated NAD+, is a coenzyme found in all living cells. The compound is a dinucleotide, since it consists of two nucleotides joined through their phosphate groups: with one nucleotide containing an adenine base, and the other containing nicotinamide.

The enzymes that make and use NAD+ and NADH are important in both current pharmacology and the research into future treatments for disease.Drug design and drug development exploits NAD+ in three ways: as a direct target of drugs, by designing enzyme inhibitors or activators based on its structure that change the activity of NAD-dependent enzymes, and by trying to inhibit NAD+ biosynthesis.

The coenzyme NAD+ is not itself currently used as a treatment for any disease. However, it is potentially useful in the therapy of neurodegenerative diseases such as Alzheimer's and Parkinson disease

UV Spectral Analysis: Ratios at pH 7.5
A250/A260 (0.83 □ 0.03)
A280/A260 (0.21 + or - 0.02)
□ at 260 nm (18.0 + or - 0.5) x 103
Ratios at pH 10 after reduction with ADH*
A340/A260 (0.43 + or - 0.01)
□ at 340 nm (6.3 + or - 0.2) x 10000

Source: Yeast

Formula Weight: 663.43

Formulation: C21H27N7O14P2

Purity: 96%

CAS No: 53-84-9

Storage & Stability: -20°C

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