Beta-Nicotinamide Adenine Dinucletide (NAD)

Cas No: 53-84-9

Chemical Formula: $C_{21}H_{27}N_7O_{14}P_2$

Specifications:

Item	Standards
Purity (HPLC)	Min 98% HPLC
Appearance	White powder
Identification	Compliant with the structure C: 47.14±0.4% H: 6.59±0.4% N: 18.32±0.4%
Loss on Drying	≤ 8%
Mesh Size	60 mesh

Description:

Nicotinamide-adenine dinucleotide (NAD+/NADH) is a universal coenzyme that plays a central role in cellular metabolism. It acts as a donor and acceptor of electrons in redox reactions within all eukaryotic cells, influencing various enzymes and processes.

NAD+ is synthesized in the body from precursors such as niacin and nicotinamide, which are essential for human NAD+ metabolism. Supplementing with NAD+ precursors has shown potential health benefits and has been studied in relation to lifespan extension and the prevention of age-associated diseases.

Application:

- Biocatalytic material
- Anti-aging
- Treatment of myocarditis

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