

NAD⁺

Catalog No: tcsc2554



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

53-84-9

Formula:

$C_{21}H_{27}N_7O_{14}P_2$

Pathway:

Metabolic Enzyme/Protease

Target:

Endogenous Metabolite

Purity / Grade:

>98%

Solubility:

H₂O : ≥ 200 mg/mL (301.46 mM)

Alternative Names:

β-DPN;β-NAD;β-Nicotinamide Adenine Dinucleotide

Observed Molecular Weight:

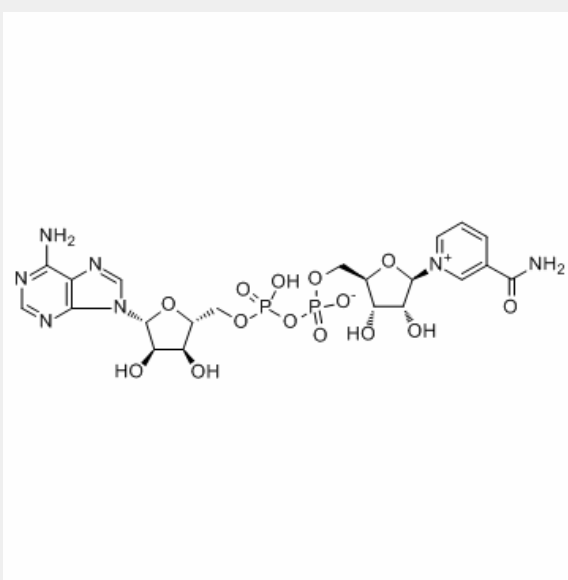
663.43

Product Description

NAD⁺ is a coenzyme composed of ribosylnicotinamide 5\'-diphosphate coupled to adenosine 5\'-phosphate by pyrophosphate linkage.

In Vitro: NAD⁺ is a coenzyme composed of ribosylnicotinamide 5\'-diphosphate coupled to adenosine 5\'-phosphate by pyrophosphate linkage. NAD⁺ is the oxidized form of NADH^[1]. NAD⁺ is found widely in nature and is involved in numerous enzymatic reactions in which it serves as an electron carrier by being alternately oxidized (NAD⁺) and reduced (Nadide) ^[2].

In Vivo: Oral NAD⁺ supplementation has been used to combat simple fatigue as well as such mysterious and energy-sapping disorders as chronic fatigue syndrome and fibromyalgia^[3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!