

NMN (β -Nicotinamide Mononucleotide)

Improves sleep | Boosts immunity | Strengthens bones | Protects nervous system | Slows down arterial aging
Enhances exercise performance | Protects liver

 READLINE

NMN

β -Nicotinamide Mononucleotide

CAS

1094-61-7

Molecular Weight

334.22

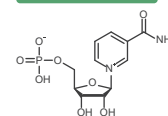
Molecular Formula

$C_{11}H_{15}N_2O_8P$

Appearance

White to off-white crystalline powder

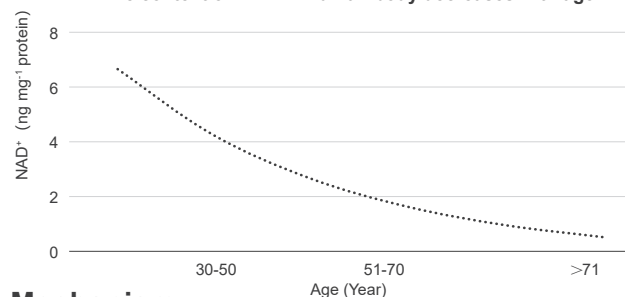
Structure



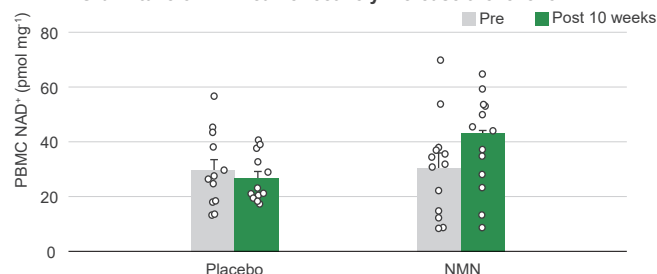
Product Information

NMN (β -nicotinamide mononucleotide) is a naturally occurring nucleotide in the body and a direct precursor to NAD⁺. NAD⁺ is a crucial coenzyme involved in human metabolism, but its level decreases with age. Research has shown that taking NMN orally is the most effective way to supply NAD⁺, activate longevity proteins known as sirtuins, boost immunity, and delay the effects of aging. With regular use, NMN can help promote overall health and vitality.

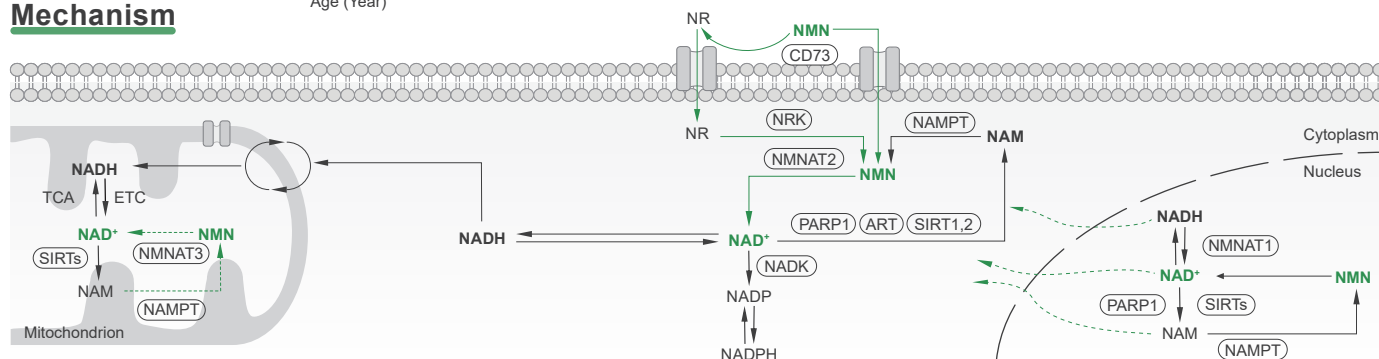
The content of NAD⁺ in human body decreases with age



Oral intake of NMN can effectively increase the level of NAD⁺

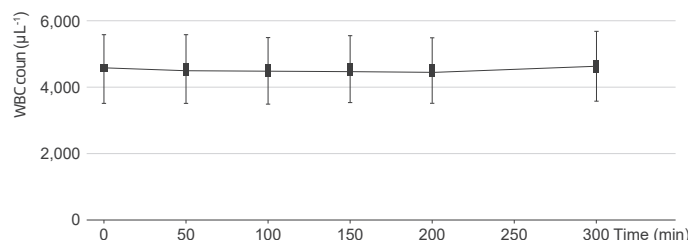
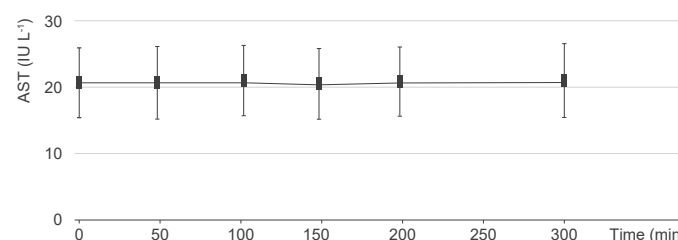


Mechanism



NMN is a healthcare supplement that has been shown to enter cells directly through transport proteins, where it can be converted to NAD⁺ by NMNAT2. NMN can also be converted to nicotinamide riboside (NR) on the surface of cell membranes and then enter cells in the NR form. Once inside, it can be converted to NAD⁺ by NRK and NMNAT2. NRKs and NMNATs are found in various organs and tissues throughout the body, with the liver containing the highest concentration. Hence NMN is an ideal supplement for anyone looking to boost their cellular energy levels and support overall health and vitality.

Safety



After taking 500 mg NMN, the test group showed no abnormal fluctuations in aspartate transaminase (AST) and white blood cell (WBC) count in their serum after 5 hours.

PMC-DY-YYJK-0031-151-202304-v1.0-EN

ABOUT US

READLINE is a bio-tech company focusing on developing and manufacturing active ingredients for cosmetics, nutritional supplements and pharmaceuticals in a green and sustainable manner. We are driven by a shared value to enable customer success with high quality green active ingredients, from making to using, from health to beauty.

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CONTACT US

www.szreadline.com
+86 755 2665 9310
sales@szreadline.com



LinkedIn

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