

使用建議 Direction for use

- 倒入50毫升冷水中，攪拌均勻後飲用
Mix the powder into 50ml of cold water,
Stir well before drinking.
- 每次1包於餐後食用，每日1－2包
Consume 1 sachet after meal. Take 1－2 sachets daily

保存方法 Preservation method

- 請存放在陰涼乾燥的地方
Product must be stored in a cool dry place

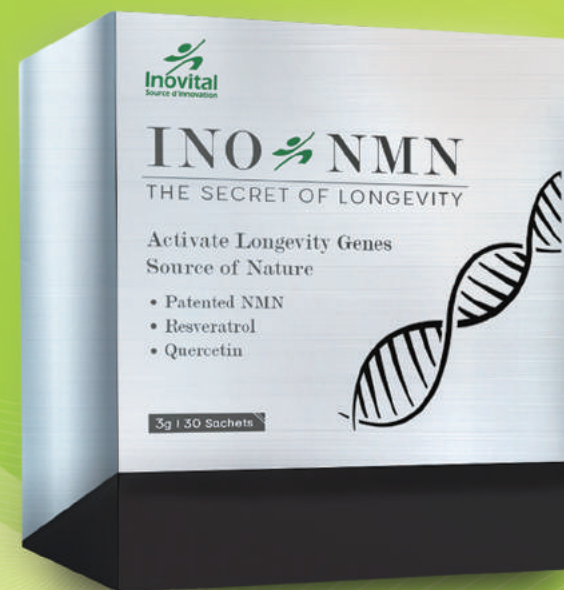
注意事項

Precautions

- 避免存放於兒童容易觸及的地方
Keep out of reach of children
- 懷孕及哺乳中的婦女，需長期服用藥物或正在服用藥物的病患，食用前應先諮詢醫生
Pregnant, breastfeeding, patients under long or short term medical conditions are advised to consult a physician before consume this product.
- 本產品成份均為天然萃取，若有色澤不同或有沉澱物均屬正常現象
The contents of this product are all natural extracts. It is a normal phenomenon if precipitation formed or colour changed.
- 本產品含芒果、芝麻、大豆、堅果、奇異果、麩質、牛奶和乳製品，如對此食品敏感者，請留意!
Product contains mango, sesame, soybean, nuts, kiwi, gluten, milk and dairy.
Please be aware. If people who are allergic to those substances.



賦活寶 INO NMN



通過美國 NSF-GMP, FDA, HACCP, ISO9001 & ISO22000 認證
The certification of NSF- GMP USFDA, HACCP, ISO 9001 and ISO 22000



榮獲國際認證 · GMP - 「優良製造標準」

人的身體、生理活動是經由無數的細胞反應運作而成，而隨著年齡的增長，體內的用作刺激生物細胞反應的物質數量將逐漸下降，從而引發衰老的情況。

煙醯胺腺嘌呤雙核苷酸 (NAD+)，是人體內必不可少的輔酶。NAD+廣泛分佈在人體的所有細胞內，是細胞修復系統的重要物質，參與上千種生物催化反應。

The human body and physiological activities are operated through countless cellular reactions. As we grow older, the amount of substances used to stimulate biological cell responses will gradually decrease, which will lead to aging.

Nicotinamide Adenine Dinucleotide (NAD+) is a coenzyme that is indispensable to the human body. NAD+ is widely distributed in all cells of the human body. It is an important substance in the cell repair system and participates in thousands of bio-catalytic reactions.

經研究顯示NAD+含量減少，將引發身體衰老的表現，包括：

It is proven by research, the decline in NAD+ level will lead to the aging symptoms, including :

- | | |
|------------------|-------------------------------------|
| • 免疫力失調 | • Immunity disorder |
| • 記憶力衰退 | • Memory loss |
| • 心血管功能弱化 | • Weaken on cardiovascular function |
| • 睡眠質素差 | • Poor quality of sleep |
| • 聽力、視力減弱 | • Weaken on hearing and vision |
| • 認知和運動功能障礙 | • Cognitive and motor dysfunction |
| • 脫髮，食欲不振和神經元的退化 | • Loss of hair and appetite |

染色體結構與衰老的關係

染色體(Chromosome)由DNA組成。在染色體的末端，包圍著端粒(Telomere)，是一系列重複的DNA鏈，可以用作保護染色體。

當細胞經過不斷的複製分裂後，端粒會不斷縮短，直至無法保護染色體，就會失去增殖分裂能力，進入衰老的狀態。

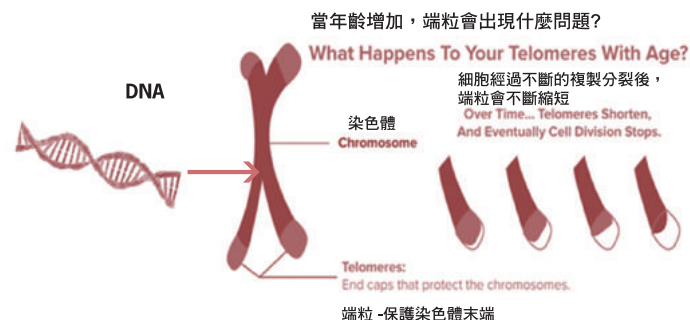
The relationship between chromosome structure and aging

Chromosomes are composed of DNA. Telomere, is a series of repeated DNA strands, they are used to protect the chromosome and surround at the end of the chromosome.

After the on and on replications and division of cells, the telomeres will be shorten continually until they cannot protect the chromosomes, telomeres will lose the ability to proliferate and divide, and enter to the state of aging eventually.

而NAD+ 可以幫助保持端粒長度，維持細胞生命力

NAD+ can help to maintain the length of Telomere, retain the cell longevity

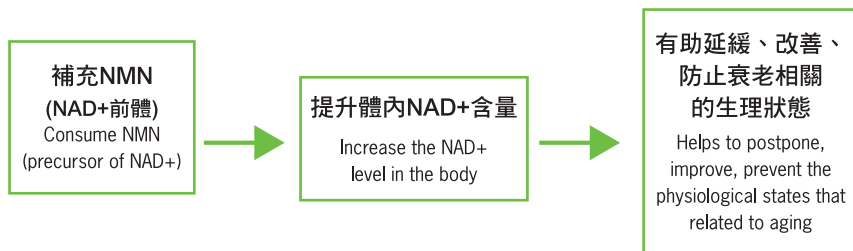


要達致抗衰老效果，我們需要提升體內NAD+水平。可是，NAD+並不能穩定儲存於室溫狀態，亦不能透過口服後直接提升體內NAD+水平。

因此，可透過吸收NAD+的前體NMN**，由NMN於體內轉化成NAD+ 以達到抗衰老的功效。

To fight against aging, the NAD+ level have to be increased in our body. However, NAD+ cannot be stored and stabilized in room temperature, and the NAD+ level cannot be increased directly by oral consumption.

Therefore, NMN** (precursor of NAD+) can be absorbed and transformed into NAD+ in the body. Anti-aging function can be achieved.



** NMN是什麼？

全名是Nicotinamide mononucleotide (NMN)，煙醯胺單核苷酸，是一種自然存在於人體的生物活性核苷酸，是煙醯胺腺嘌呤雙核苷酸(NAD+)的前體。

NMN 亦存在於日常的自然食物當中，包括西蘭花、藍莓、菠菜及堅果食物等（每100克食物中約含0.06-1.12毫克的NMN不等）。

** What is NMN?

Nicotinamide mononucleotide (NMN) is a biologically active nucleotide that naturally present in the human body, and NMN is the precursor of Nicotinamide Adenine Dinucleotide (NAD+).

NMN is also exist in natural food substances, such as broccoli, blueberries, spinach and nuts, etc (approximately from 0.06 -1.12mg of NMN per 100g of food).

有關NMN及NAD+的研究發展

*NAD+於1904年首次被發現，經過超過100年研究，

於2019年，美國華盛頓大學的科學家們，發現口服NMN有助提升人體NAD+的轉運/合成機制。

同時，目前有7位健在的諾貝爾生理學，醫學、化學獎得主都對NAD+抗衰老理論表示了強烈的支持!

而對NMN有深入研究的美國哈佛大學醫學院遺傳學David A. Sinclair教授，2019年曾於電台訪問中提及自己保持年輕的祕訣：每天早上補充白藜蘆醇及NMN，藉此活化體內青春蛋白質，保持年輕健康體魄。

(David A. Sinclair教授現時50多歲，體質有如40歲時年輕健康!)

Research and development of NMN & NAD+

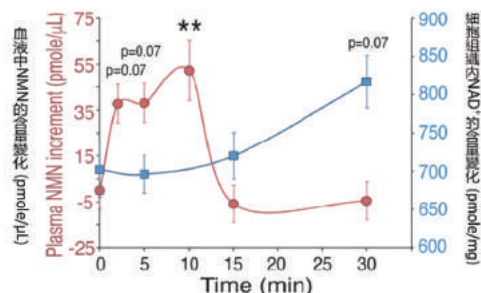
*NAD+ was firstly found in 1904, and being researched for over 100 years

In 2019, the scientists at University of Washington, USA have found that oral intake of NMN can help to improve the transport/ synthesis mechanism of NAD+ in the body. At the same time, there are 7 living Nobel Prize Winners in the category of Physiology, Medicine and Chemistry expressed their strong support on the NAD+ anti-aging theory! Also, the Professor of Genetics at Harvard Medical School, David A. Sinclair, has been in-depth research on NMN. He mentioned his secret of staying young in a radio interview (2019) : by taking supplement of resveratrol and NMN every morning, in order to activate the youth protein in the body and to maintain youth and health.

(Professor David A. Sinclair is now in his 50s, and his physique is as young and healthy as he was at 40!)

據研究結果顯示，NMN能在10分鐘內被人體快速吸收，血液中達到最高值；並在30分鐘內，細胞的NAD+含量顯著增加（NMN在吸收後轉化成NAD+）。

According to the research result, NMN can be absorbed by human body within 10 minutes and reached the highest level in the blood; and the NAD+ level in cells increase significantly in 30 minutes (NMN is converted into NAD+ after absorption).



特點 Features

- 是通過美國 NSF-GMP, FDA, HACCP, ISO9001 & ISO22000 認證的監控條件所製造的產品，產品品質優良

The product is manufactured through the monitoring and achieved the certification of NSF-GMP US, FDA, HACCP, ISO9001 and ISO22000 with excellent quality



- 使用天然NMN來源，每包添加含NMN有效成分的專利西蘭花萃取
Natural resource of NMN is used, the effective NMN ingredient - patented broccoli extract is added in each sachet.

- 搭配白藜蘆醇(Resveratrol)及槲皮素(Quercetin)，有助有效活化青春蛋白質(Sirtuin)的因子

Match with Resveratrol and Quercetin that helps to activate the factor of Sirtuin

- 啟動體內協同作用，同時幫助補充體內不足的NMN及活化體內原有的青春蛋白質

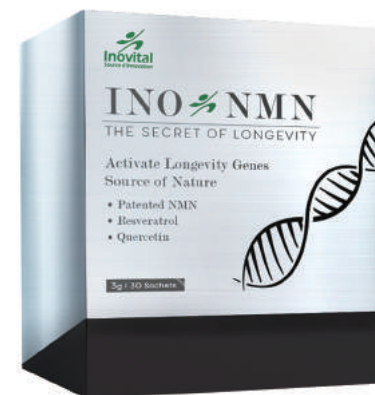
Initiate the synergy in the body, and help to replenish the insufficient NMN; activate the existing Sirtuin in the body in the same time

- 雙效活化體內青春因子，幫助強化內在健康，恢復外在青春

Dual effect to the activation of youth factor in the body, that helps to strengthen inner health and restore the youth on appearance.

- 一般素食者可食用

Can be consumed by general vegetarians



賦活寶 每份含 “專利天然NMN原料 - 專利西蘭花萃”

168毫克，輔以青春之泉的白藜蘆醇及植物多酚的槲皮素，有助於刺激抗衰老機制、活化長壽基因，進而恢復年輕。通過補充NMN專利天然原料、激活SIRT1基因和增強腸道功能，三個具功能性的機制同時結合在一個配方中，可以幫助恢復青春並維持健康生活。

INO NMN contains patented natural NMN, patented Broccoli Extract 168mg combined with Resveratrol so-called Fountain of Youth, and plant polyphenol from Quercetin which helps stimulate anti-aging mechanisms, activate longevity genes, and restore youth. By supplementing the patented raw materials of NMN, activating the SIRT1 gene, and enhancing intestinal function, the three mechanisms are completed in one formula which helps to restore youth and maintain a healthy life.

主要成份 Ingredient

1. 專利西蘭花萃取 (含NMN)

Patented Broccoli Extract (Contains NMN)



原料來自美國大廠，並獲得多種專利證實原料效果，包括：
The raw materials come from the major American factories and it has obtained a variety of patents to prove on the effect of the raw materials, including：

- 製程專利 Process patent
- 癌症食療專利 Cancer dietary patent
- 自閉症治療專利及符合美國GRAS概念
確認原料的安全性
Autism treatment patent and fit for the concept of
GRAS (USA) on confirming the safeness of raw materials



專利西蘭花萃取在每1000公斤西蘭花才能濃縮萃取出1公斤西蘭花萃取是穩定的標準化成分，其活性化合物不會隨著時間而降解。

在蔬菜水果類中，西蘭花中的NMN含量最高 -- 提供絕佳抗氧化功效，幫助提升體內NAD+含量。

From every 1000kg of broccoli, only 1 kg of patented broccoli extract are concentrated and extracted. It is a stable and standardized ingredient; its active compound will not be degraded over time.

Among fruits and vegetables, broccoli has the highest NMN content ; it provides excellent ant-oxidizing effect that helps to increase the NAD+ level in the body.

天然來源 Natural resource	NMN含量/100克 NMN content /100g
西蘭花 Broccoli	0.25 - 1.12毫克(mg)
大白菜 Chinese cabbage	0.0 - 0.90 毫克(mg)
牛油果 Avocado	0.36 - 1.60毫克(mg)
蕃茄 Tomato	0.26 - 0.30毫克(mg)

更有研究顯示*，西蘭花含有多種植物生化素，有助於活化體內抗癌酵素：
第二階段酵素 (Phase2 enzyme) - 有助預防癌症

A research* showed that broccoli contains multiple phytochemicals, that helps to activate anti-cancer enzymes in the body – the Phase 2 enzyme – helps to prevent cancer

* Cancer Epidemiol Biomarkers Prev . 2007 Apr;16(4):847-51

功效 Effectiveness

- 高效抗氧化
- 幫助提升體內NAD+含量
- 幫助修復細胞
- 增加肌膚細胞能量
- 幫助細胞排走毒素
- 增強細胞的免疫力
- 多種植物生化素有助預防癌症
- High effectiveness on anti-oxidizing
- Help to increase the level of NAD+ in body
- Help on cell repairing
- Increase of the quantity of skin cell
- Help to remove the toxin from cell
- Enhance the immunity of cell
- Help to prevent cancer by multiple phytochemicals

2. 葡萄皮提取物 (白藜蘆醇)

Grape Skin Extrac (Contains Resveratrol)



萃取自天然葡萄來源，含有原花青素OPC、花青素、葡萄多酚白藜蘆醇屬植物多酚類化合物，為其中一種天然的抗氧化劑，幫助保護細胞膜、蛋白質等，免受自由基的破壞而導致細胞功能不正常運作和凋亡。

Extracted from source of natural grapes, resveratrol contains proanthocyanidins OPC, anthocyanins and grape polyphenols. It is a polyphenol compound from plant, which is one of the natural antioxidants. It helps to protect cell membranes, proteins, etc. to free from the damage of free radicals that lead to abnormal cell function and apoptosis.

功效 Effectiveness

- 幫助活化青春蛋白質 Sirtuin
(包含有助延長細胞壽命的長壽基因SIRT 1)
- 抗氧化、抗衰老

- 具有殺菌、抗發炎效能
- 有助抑制自由基增生及脂質過氧化
- 幫助促進新陳代謝

- Help to activate sirtuin
(Contains the longevity gene SIRT 1 that helps to prolong lifespan of cell)
- Anti-oxidizing, anti-aging
- Ability of Sterilization, anti-inflammatory
- Help to inhibit the growth of free radical and lipid peroxidation
- Help to promote body metabolism

3. 洋蔥提取物 (含槲皮素) Onion Extract (Contains Quercetin)

從洋蔥中萃取，槲皮素為多酚類，是具活性的類黃酮，存在於水果、蔬菜及穀物等植物中。

Quercetin is a polyphenol which extracted from onion, it is an active flavonoid and can be found in plants such as fruits, vegetables and grains.

功效 Effectiveness

- 具抗氧化、抗過敏效能
- 有助抑制自由基
- 有助細胞保護，幫助細胞修復
- 幫助改善高血壓
- 有助提高呼吸道抵抗力
- 有助減少致病細菌的生長，幫助提升消化系統及腸道健康
- Ability of anti- oxidation and anti-allergic
- Help to inhibit free radicals
- Help on cell protection and cell repair
- Help to improve high blood pressure
- Help to enhance the immunity of respiratory tract
- Help to reduce the growth of pathogen, and help to improve the health of intestinal tract and digestive system



4. 白柚汁粉

White Pomelo Juice Powder

白柚子含豐富的蛋白質、檸檬酸、維他命及礦物質如鈣、磷、鎂、鈉等。

White pomelo is rich in protein, citric acid vitamins and minerals such as calcium, phosphorus, magnesium, sodium, etc. .

功效 Effectiveness

- 有助防老抗癌
- 有助降血壓
- Help to prevent cancer and anti-aging
- Help to reduce blood pressure

5. 冬蟲夏草粉

Cordyceps Militaris Powder

功效 Effectiveness

- 抗疲勞
- 有助延緩衰老，增強免疫力
- Anti-fatigue
- Help to postpone aging and enhance immunity

6. DL-蘋果酸

DL- Malic Acid

功效 Effectiveness

- 有助改善腦組織的能量代謝
- 幫助短時間內為肌肉提供能量，消除疲勞
- Help to improve the energy metabolism of brain tissues
- Help to provide energy for muscles in a short time, anti-fatigue