



Product Plant-based NMN, Pterostilbene, Spermidine  
**Dr.FiLL Phyto NMN Forte**

Pack Size	30 strips, 30strips*3
Category	Other Processed Products (Food)
Functionality	Anti-aging, Energy
Main Ingredient	<ul style="list-style-type: none"> <li>Broccoli Fermented Extract (NMN 50%)</li> <li>Blueberry Extract (Pterostilbene)</li> <li>Rice Germ Extract (Spermidine)</li> </ul>
Subsidiary Ingredient	Berberine, Betaine, Nicotinamide, Quercetin, Resveratrol,
Shelf Life	36 months
Dosage Instruction	Place the film on your tongue and let it dissolve and absorb with
Flavor	Yuzu Honey Flavor
Technology	Deliciously formulated with Dr.FiLL BIOSorbFilm®'s taste-masking technology
Suggested For	<ul style="list-style-type: none"> <li>Easily care for aging with a single film</li> <li>Desire a healthy and vibrant life</li> <li>Maintain youth by activating cellular energy</li> <li>Restore skin health</li> <li>Feel a decline in physical strength</li> </ul>

## Anti-Aging - NMN

Harvard University Aging  
Research Expert,  
Author of 'The End of Aging'

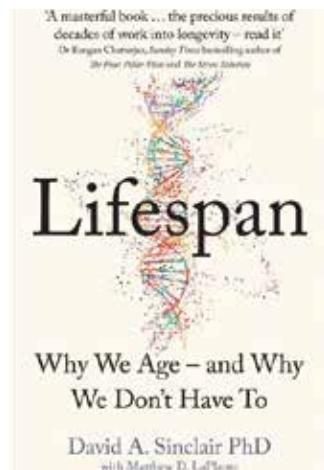
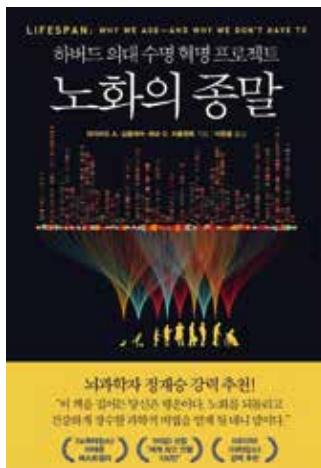


**David A. Sinclair**  
Professor, who mentioned:

**NMN**  
(Nicotinamide mononucleotide)

**Pterostilbene**

**Spermidine**

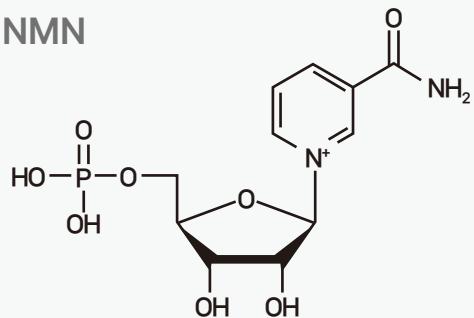


### ■ The Dream of Life Extension: 'Anti-Aging'

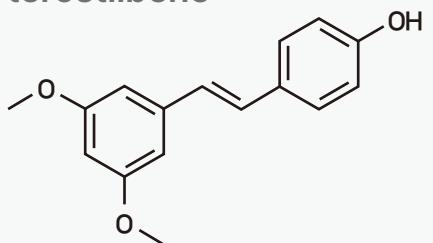
#### 'NMN', 'Pterostilbene', 'Spermidine'

- NMN acts as a crucial key in helping the body produce NAD+, an essential coenzyme that plays an important role in regulating cellular aging
- Pterostilbene is a powerful antioxidant that is effective in improving cardiovascular health and enhancing brain function. It helps reduce oxidative stress in cells and slows down the aging process
- Spermidine is a polyamine that plays a vital role in cell growth and survival. It promotes autophagy, helping to remove cellular waste and damaged components, which is essential for maintaining cell health

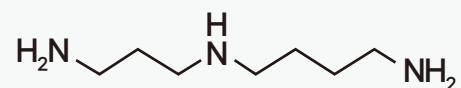
**NMN**



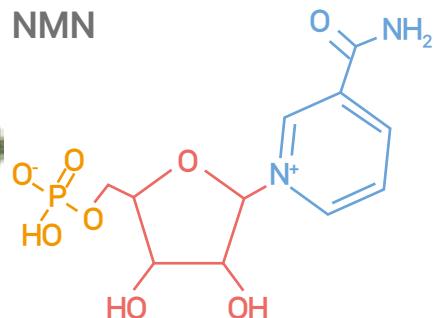
**Pterostilbene**



**Spermidine**



## Natural NMN: Broccoli Extract (Japan-Origin)



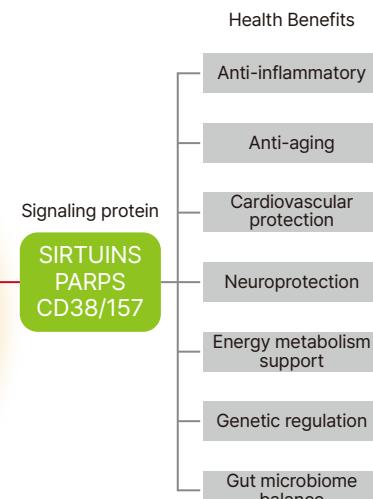
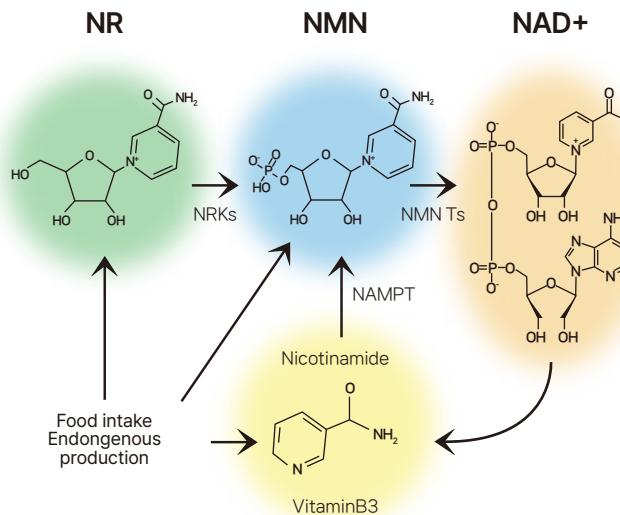
### Broccoli Fermented Extract (containing NMN 50%)

- Well-known as a superfood, broccoli is a cruciferous vegetable rich in vitamin C, sulforaphane, NMN, minerals, and various beneficial compounds
- NMN, naturally found in small amounts in broccoli, is extracted and concentrated for production

### Health Benefits of NMN

- NAD+ is a coenzyme found in all living cells and is essential for energy production
- NAD+ levels naturally decline with age
- Increasing NAD+ levels is crucial for maintaining youthful health
- NMN, once absorbed into the body, is converted into NAD+ and utilized for various cellular functions

### NMN and NAD+



**NMN is directly converted into NAD+ after consumption and utilized by the body**

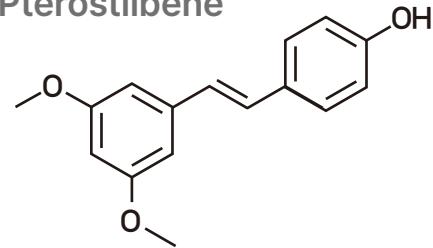
Yoshino, Jun, Joseph A. Baur, and Shin-ichiro Imai. "NAD+ intermediates: the biology and therapeutic potential of NMN and NR." *Cell metabolism* 27.3 (2018): 513-528

Alegre, Gabriela Fabiana Soares, and Glaucia Maria Pastore. "NAD+ precursors nicotinamide mononucleotide (nmn) and nicotinamide riboside (nr): Potential dietary contribution to health." *Current nutrition reports* 12.3 (2023): 445-464..

## Natural Pterostilbene – Blueberry Extract (USA Origin)



Pterostilbene

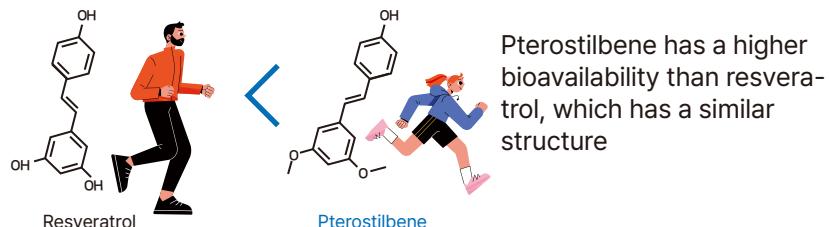


### ■ Blueberry Extract (Pterostilbene 5%)

Blueberries, a well-known superfood and a type of lingonberry, are found in various species worldwide. They are rich in anthocyanins, pterostilbene, pectin, dietary fiber, and minerals

### ■ Health Benefits of Pterostilbene

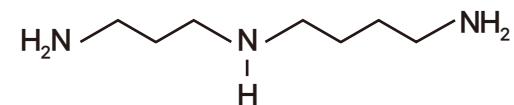
Pterostilbene is a powerful antioxidant known for reducing cellular oxidative stress and supporting NAD<sup>+</sup> to slow down aging. It shares a similar structure with resveratrol, offering comparable bioactivity but with superior bioavailability, making it more efficient for cellular utilization.



## Natural Spermidine, Rice Germ Extract(Miricell™) (Made in China)



Spermidine



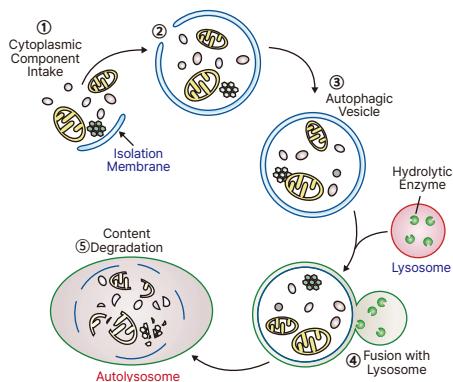
### ■ Rice Germ Extract(Rice Germ extract\_Spermidine 1%)

A byproduct of rice milling, rice germ contains various nutrients such as vitaminE and spermidine

### ■ Health Benefits of Spermidine

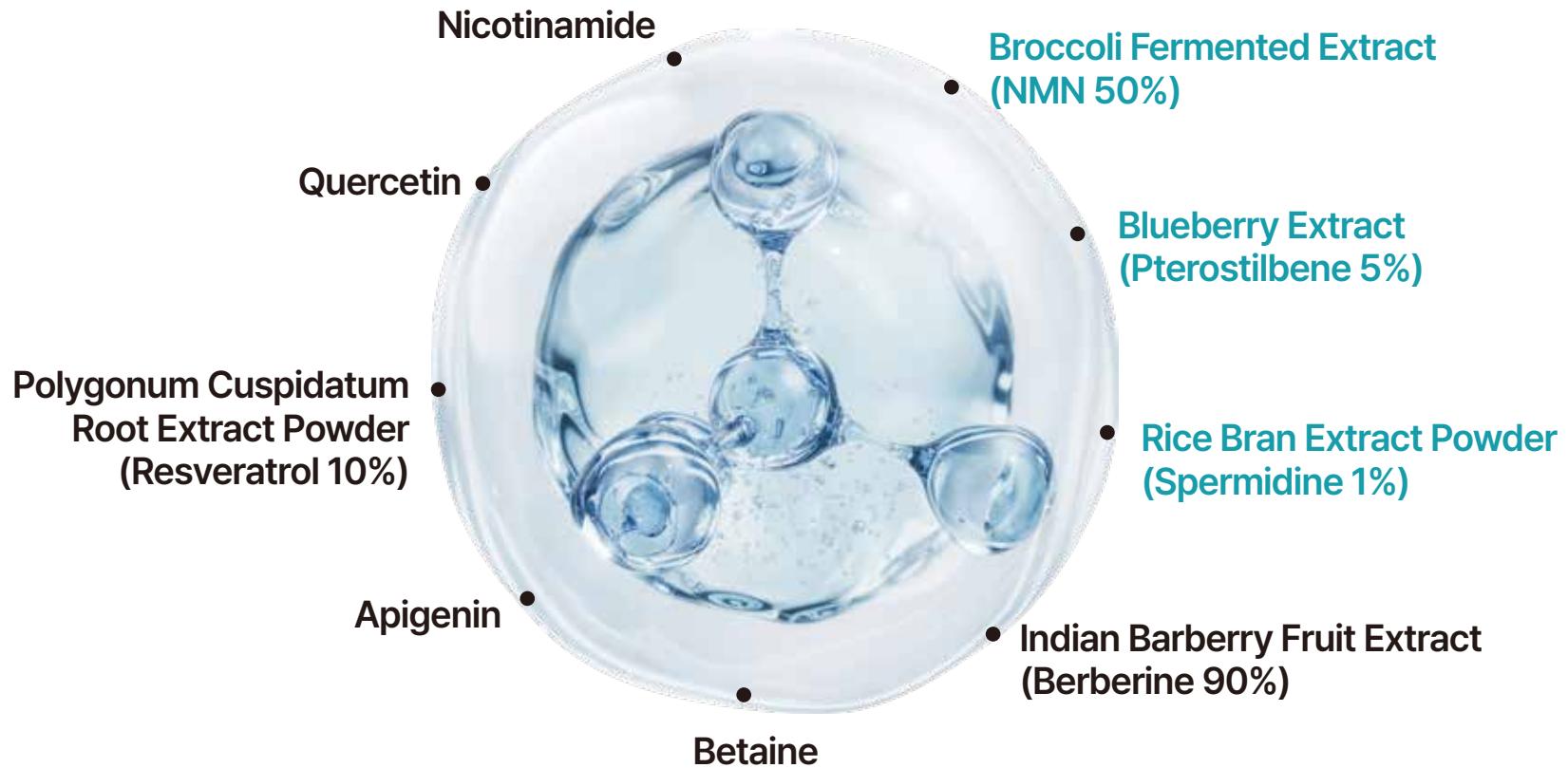
Spermidine is one of the naturally occurring compounds in living organisms, known for its anti-aging effects.

It activates autophagy, a process in which aged cytoplasmic proteins or organelles (mitochondria) are broken down and reused, providing energy and amino acids essential for cell survival.



Nature Cell Biology volume 9, pages1102–1109(2007)

## NMN synergy formula\_Anti-Aging, Energy



- **Berberine-containing Indian Barberry Fruit Extract** : Helps regulate blood sugar levels and improves insulin sensitivity, reducing the risk of age-related diseases.
- **Betaine** : Lowers homocysteine levels to improve cardiovascular health and supports methylation processes.
- **Nicotinamide** : Converted into NMN in the body, involved in increasing NAD+ levels, which are essential for energy production.
- **Quercetin** : Exerts strong antioxidant effects to suppress inflammation and support immune function.
- **Polygonum Cuspidatum Root Extract Powder(Resveratrol)** : An antioxidant that amplifies NMN's NAD+ boosting effect and promotes cardiovascular health.
- **Apigenin** : Provides antioxidant, anti-inflammatory, neuro-protective, and cancer-preventive effects.