

- + Cellular energy
- + Mitochondrial support
- + Metabolic balance
- + Longevity pathways

RiboCARE[®] LONGEVITY

Supports **cellular energy** and **metabolic function**, contributing to longevity.

WHAT IS RiboCARE[®] LONGEVITY?

RiboCARE[®] LONGEVITY is a nucleotide-based functional ingredient derived from yeast, designed to support cellular and mitochondrial metabolism, key processes involved in maintaining tissue functionality during aging.

Beneficial effects for different scopes:



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SCIENTIFIC EVIDENCE



SCIENTIFIC RATIONALE

Nucleotides are essential for cellular function and play a key role in:

- DNA synthesis and repair
- Energy metabolism (ATP)
- Mitochondrial function
- Cellular stress response



EVIDENCE FROM LITERATURE

Studies on nucleotide supplementation have shown:

- Reduction of epigenetic biological age
- Improvement of insulin sensitivity
- Positive effects on body composition



AGING & NUCLEOTIDES DEMAND

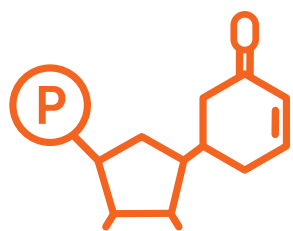
With aging, the body's ability to synthesize nucleotides de novo declines, increasing the need for exogenous supply.



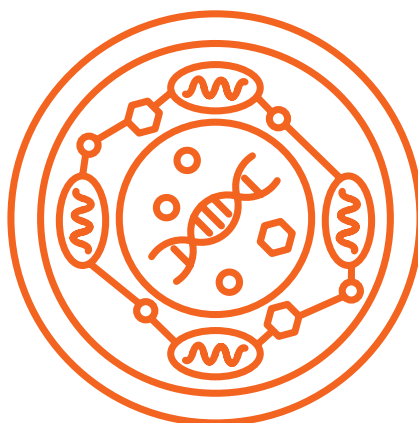
CELLULAR ENERGY SYSTEM

Nucleotide metabolism is closely linked to ATP and NAD+ production, supporting:

- Cellular energy production
- Mitochondrial activity
- Activation of longevity related pathways



Nucleotides



Mitochondrial activity



Longevity

The clinical evidence cited refers to published studies on nutritional formulations containing nucleotides and is not directly attributable to RiboCARE® LONGEVITY.

Selected references:

Bester et al., Cell, 2011, Nucleotide deficiency promotes genomic instability.
Pai & Kearsy, EMBO Journal, 2017, Regulation of nucleotide metabolism and genome stability.
Houtkooper et al., Cell, 2012, The role of NAD* metabolism in aging and mitochondrial function.
Gomes et al., Cell, 2013, Declining NAD* induces mitochondrial dysfunction during aging.

