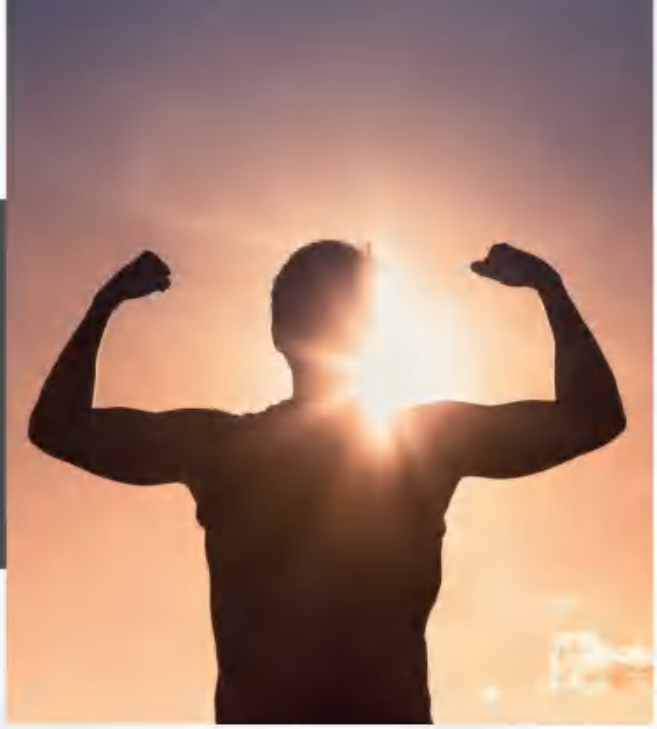
NUGENE
核芯医药

PQQ

PrimePQQ

(Pyrroloquinoline Quinone Disodium Salt)



PRODUCT OVERVIEW

Pyrroloquinoline quinone (PQQ) is a small quinone molecule that has gained attention for its presence in various foods and its potential impact on human health. As a novel compound, PQQ is recognized for its antioxidant properties, which contribute to its ability to support cellular energy production and protect cells from oxidative stress. PQQ's mechanism of action is thought to involve the modulation of cellular signaling pathways and support for mitochondrial function, which is crucial for energy production in cells.

PRODUCT SPECIFICATIONS

Items	Specifications
Appearance	Reddish Brown Powder
Purity	≥99.0%
Packaging	1kg/bag
Customization of specifications is available based on customer requirements.	

PRODUCT APPLICATIONS

- Dietary Supplements
- Functional Drinks
- Etc.

MAIN EFFICACY

- **Helping Heart, Nerve & Liver's Functioning**
- **Boosting Immune System**
- **Promoting Body Synthesis**

OUR STRENGTHS

- **USP Standard**
- **No Chemically Synthesized Materials**
- **No Toxic or Harmful Solvent Residues**

*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, care, or prevent any disease.
*Our products will not be sold in countries or regions where patents are in effect.

Digital Version

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Cognitive Functioning

PQQ has shown promise in enhancing cognitive functions. A study on elderly subjects showed that daily intake of 20 mg of PQQ for 12 weeks improved selective attention and visual-spatial cognitive functions without adverse effects, suggesting PQQ's potential to prevent cognitive decline in aging, particularly in attention and working memory (Itoh, 2016).

Heart Functioning

PQQ shows potential in CHF prevention by enhancing mitochondrial function. Research published in Cardiovascular Diagnosis & Therapy highlights PQQ's role in improving cardiac remodeling and regulating ROS levels, indicating its value in cardiac health through anti-oxidative effects and mitochondrial biogenesis stimulation (Xu, 2020).

Anti-oxidative Activity

PQQ demonstrates significant antioxidant activity by enhancing NAD+-dependent sirtuin activity, which plays a crucial role in mitochondrial function and cellular energy metabolism. This effect not only showcases PQQ's antioxidant capabilities but also underscores its potential as a nutraceutical beyond mere anti-oxidation (Jonscher, 2021).

Itoh et al., (2016). Effect of the Antioxidant Supplement Pyrroloquinoline Quinone Disodium Salt on Cognitive Functions. Advances in experimental medicine and biology, 876, 319–325.
Jonscher et al., (2021). Pyrroloquinoline-Quinone is More Than an Antioxidant: A Vitamin-like Accessory Factor Important in Health and Disease Prevention. Biomolecules, 11(10), 1441.
Xu et al., (2020). Pyrroloquinoline quinone can prevent chronic heart failure by regulating mitochondrial function. Cardiovascular Diagnosis and Therapy, 10(3).