



## Buy Pinealon 20mg\* 10vials High-Quality Peptides 99% Purity

### Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-Pinealon
- Minimum Order Quantity: 5 kits
- Price: Negotiable
- Packaging Details: 20mg or according to customer's requirements.
- Delivery Time: 3-5 work days after your payment
- Payment Terms: Alibaba, T/T, Western Union
- Supply Ability: 20,000 boxes /month



### Product Specification

- Product Name: Buy Pinealon 20mg | 99% Purity
- Amino Acid Sequence: Glu-Asp-Arg (EDR)
- Molecular Formula:  $C_{15}H_{26}N_6O_8$
- Molecular Weight: 402.41
- Synonyms: EDR, Glutamyl-aspartyl-arginine
- Form: Lyophilized Powder
- Solubility: >99% (supplier-certified)
- Purity: >99% (HPLC-tested)
- Highlight: **Pinealon 20mg cosmetic peptide, high purity Pinealon vials, 99% pure Pinealon peptide**



### More Images



## Product Description

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#### Pinealon 20mg (Bioregulator) Introduction

Pinealon is a synthetic tripeptide bioregulator (Khavinson peptide) designed to support brain health and cellular rejuvenation, particularly in the central nervous system (CNS). Composed of the amino acid sequence Glu-Asp-Arg (EDR), it originates from peptides extracted from the pineal gland and cerebral cortex, functioning by directly interacting with DNA and histones to modulate gene expression, reduce oxidative stress, and promote neuroprotection. Research highlights its potential in mitigating age-related cognitive decline, enhancing serotonin signaling, and protecting against hypoxia or inflammation. Supplied as a 20mg vial of lyophilized powder for laboratory research only, Pinealon is not approved for human or therapeutic use.

#### Chemical and Physical Properties

| Property            | Details                                 |
|---------------------|-----------------------------------------|
| Amino Acid Sequence | Glu-Asp-Arg (EDR)                       |
| Molecular Formula   | $C_{15}H_{26}N_6O_8$                    |
| Molecular Weight    | 418.41 g/mol                            |
| Synonyms            | Glutamylaspartylarginine, T-33 peptide  |
| PubChem CID         | Not widely assigned (research-specific) |
| Form                | Lyophilized powder (for stability)      |
| Solubility          | Soluble in water                        |
| Packaging           | 20mg per vial                           |

#### Research Applications

**Neuroprotection and Oxidative Stress Reduction:** In rat models, Pinealon shields neurons from hypoxia and reactive oxygen species (ROS) by activating anti-oxidative enzymes, inhibiting apoptosis, and modulating NMDA receptors to prevent excitotoxicity. It supports cognitive function and motor coordination while reducing necrotic cell damage.

**Cognitive Enhancement and Brain Aging:** By influencing MAPK/ERK pathways, it decreases ROS production, promotes cell proliferation (via PCNA/Ki67 markers), and delays senescence in CNS cells. Studies suggest improved memory, learning, and mood through epigenetic regulation of genes like those for irisin and serotonin synthesis (up to 1.9-fold increase in TPH expression).

**Anti-Inflammatory and Anti-Apoptotic Effects:** Blocks caspase-3 activation in hypoxic conditions (e.g., stroke or myocardial infarction models), restores cytokine balance (e.g., IL-6, TNF- $\alpha$ ), and enhances cell survival in dermal, epidermal, and muscle tissues. Preliminary data indicate anabolic effects on CNS activity in aging patients.

**Sleep and Circadian Regulation:** Resets pineal gland function to normalize melatonin rhythms, potentially alleviating sleep disorders and metabolism issues linked to circadian disruptions.

**Longevity and Cellular Vitality:** Protects telomeres, boosts muscle building via irisin modulation, and mitigates metabolic/oxidative stress, with broader anti-aging benefits in fibroblast and neuronal cultures.

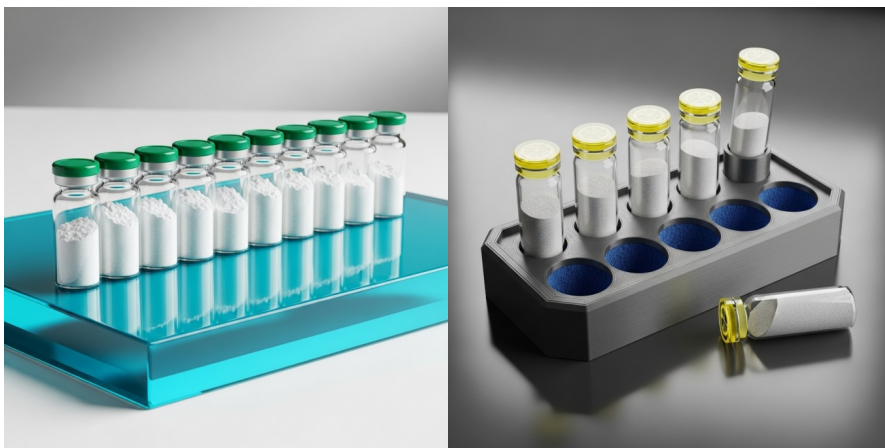
#### Handling and Storage

Exclusively for in vitro laboratory research; not for human, animal, or clinical use.

Store lyophilized form refrigerated (2-8°C) for optimal stability; reconstitute with bacteriostatic water.

Purity typically  $\geq 98-99\%$  via HPLC; handle with care, assuming all risks.

#### Product Images



#### FAQ

Q1: Can I get some samples?

A: Yes, we can provide samples. However, customers must bear the shipping cost.

Q2: How to pay?

A: We accept various payment methods, including T/T and other options.

Q 3: What is your MOQ (Minimum Order Quantity)?

A: Our standard MOQ is 5kits. However, smaller quantities, such as 100 grams, can be arranged for a corresponding sample fee.

Q 4: What is the shipping time?

A: Orders are usually shipped within 3-7 days with a tracking number. Delivery times vary by destination. Please get in touch with us for details.



**Shaanxi Hongbaiyi Biotech Co., Ltd.**



18192109180



tracy@sxhongbaiyi.com



peptide-powder.com

Hengjia Business Building, No.115 Weiyang Road, E&T Development Zone, Xi'an, Shaanxi, China.