



Glu-Asp-Leu (EDL) 20mg Per Vial Ovagen Liver Protection Lyophilized Powder

Our Product Introduction

for more products please visit us on peptide-powder.com

Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: COA, HPLC MR
- Model Number: HBY-Ovagen
- 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: Ovagen 20mg
- Amino Acid Sequence: Glu-Asp-Leu (EDL)
- Molecular Formula: $C_{15}H_{25}N_3O_8$
- Molecular Weight: 375.37
- Synonyms: EDL, Glutamyl-aspartyl-leucine, SCHEMBL5329396, 1a30, CHEBI:137252
- Form: Lyophilized Powder (for Stability)
- Solubility: Highly Soluble In Water
- Packaging: 20mg Per Vial
- Purity: $\geq 99\%$ (HPLC-certified)
- Highlight: Ovagen liver protection peptide, EDL lyophilized powder peptide, Glu-Asp-Leu cosmetic peptide

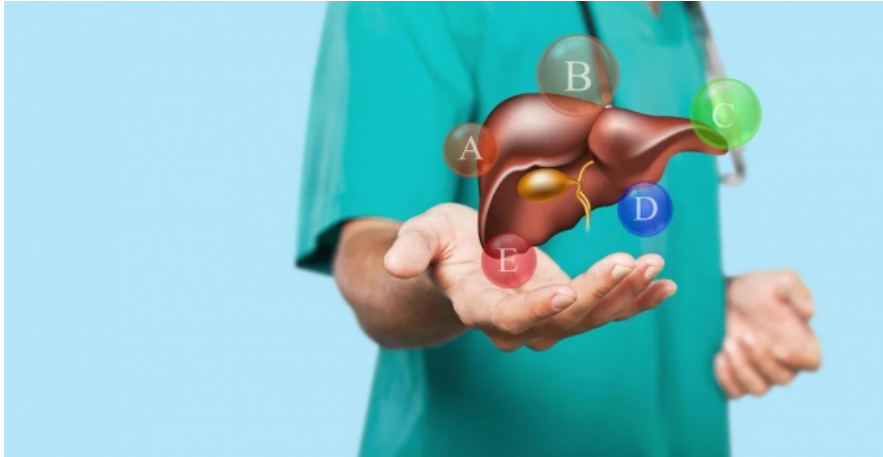


More Images



Product Description

Glu-Asp-Leu (EDL) 20mg Per Vial Ovagen Liver Protection Lyophilized Powder



Overview of Ovagen 20mg Peptide

Ovagen is a synthetic tripeptide bioregulator designed primarily for research into liver and gastrointestinal (GI) tract health. It is not approved for human therapeutic use and is supplied as a lyophilized powder in 20mg vials for laboratory purposes. Developed based on work by Dr. Vladimir Khavinson, it targets age-related changes in DNA expression to promote cellular repair and normalization of organ function.

Property	Details
Molecular Formula	$C_{15}H_{25}N_3O_8$
Molecular Weight	375.37 g/mol
Purity	99%
Synonyms	EDL, glutamyl-aspartyl-leucine
Form	Lyophilized powder (20mg vial)
Solubility	High water solubility
Shelf Life	Up to 36 months (stored properly at -20°C)

It exhibits tissue-specific effects, crossing cell and nuclear membranes to interact with DNA and chromatin proteins via peptide transporters (e.g., PepT1/PepT2), which enhances its bioavailability compared to larger peptides.

How Does Ovagen Work?

Ovagen operates through epigenetic mechanisms: it enters cells via peptide transporters, translocates to the nucleus, and influences chromatin structure to modulate gene expression. This can upregulate genes for cellular repair and stress response while downregulating those linked to inflammation or fibrosis. In liver and GI models, it promotes tissue-specific effects like enhanced protein synthesis and reduced oxidative damage, without relying on traditional receptor binding.

Mechanism of Action

Ovagen works by decondensing age-associated DNA changes in liver fibroblasts and GI mucosal cells, increasing gene availability for transcription. This results in reduced cellular senescence, normalized protein synthesis, and enhanced enzyme production. It also inhibits oxidative stress, lipid peroxidation, and inflammatory signaling, while protecting against fibrosis and toxins. In preclinical models, it acts as an HIV-1 protease inhibitor at low concentrations (e.g., 50 μ M), thereby preventing viral maturation without the development of rapid resistance.

Benefits and Research Findings

Research (primarily preclinical and from Eastern European studies) highlights Ovagen's potential in organ repair and anti-aging. Key benefits include:

Liver Protection and Regeneration: Reduces long-term fibrosis, normalizes enzyme levels (e.g., ALT/AST), and promotes hepatocyte proliferation to prevent cirrhosis from toxins, alcohol, or medications.

GI Tract Support: Strengthens mucosal barriers against antibiotics, chemotherapy, malnutrition, and environmental insults, aiding detoxification and barrier function.

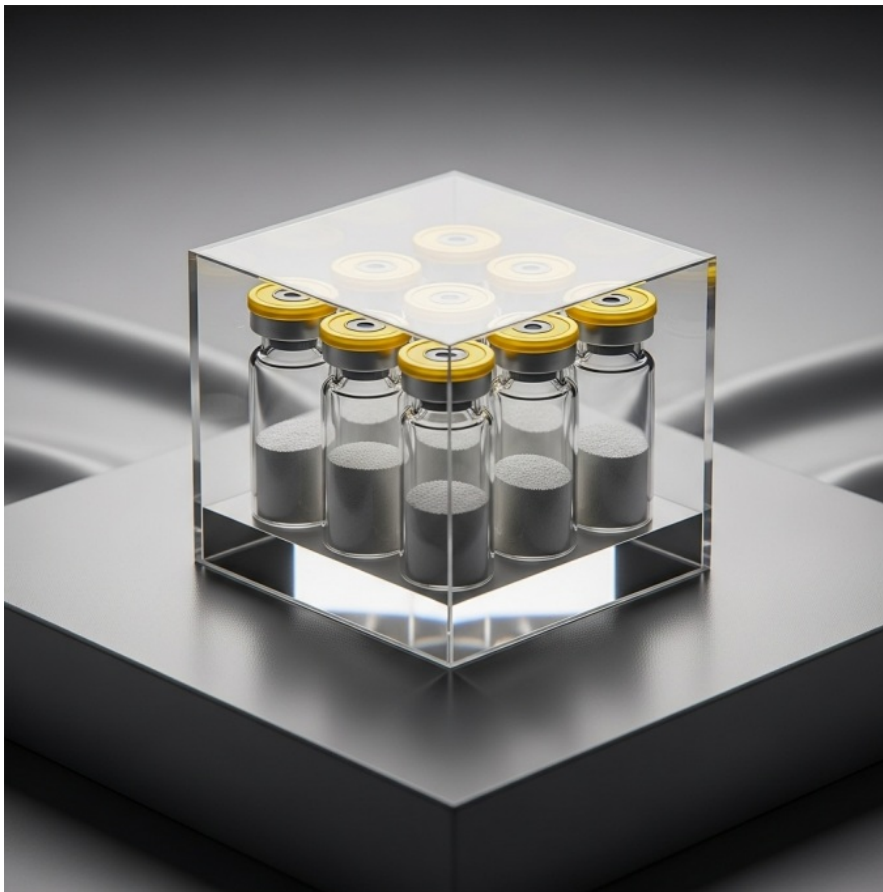
Anti-Aging Effects: Resets DNA to a youthful state in aging liver and gut cells, slowing functional decline and supporting mitochondrial health.

Immune and Recovery Modulation: Balances inflammation, enhances redox balance, and speeds recovery from stress, with potential in postoperative care, diabetes prevention, and hormone regulation.

Other Potential: Inhibits HIV replication; may improve nutrient handling and energy production for performance enhancement.

Studies show robust effects in older models, with well-tolerated profiles and no significant immunogenicity.

Product Images



Usage and Dosage

Ovagen is studied in oral capsules, injectables, or sublingual forms. Example protocols (not for human use):

Form	Intensive Protocol	Maintenance Protocol
Oral Capsules	2 capsules/day for 30 days	2 capsules/day for 10 days every 3 months
Injectable (Subcutaneous)	20 units (0.2 mL) before bed for 20 days	10 days every 3-6 months

Form	Intensive Protocol	Maintenance Protocol
Sublingual Drops	Follow specific reconstitution; limited data	As above

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.