5-AMINO-1MQ

NNMT-INHIBITING METABOLIC COMPOUND

NAD+ Metabolism • Energy Expenditure • Body Comp
Lipid Metabolism • Metabolic Health

"5-Amino-1MQ targets a metabolic bottleneck. By inhibiting NNMT, it may preserve nicotinamide for NAD+ production and shift cellular metabolism away from energy storage."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

SMALL MOLECULE

BENEFITS

- Supports healthy NAD+ metabolism
- Promotes efficient cellular energy production
- Supports healthy lipid metabolism
- May reduce excess fat accumulation
- Supports healthy body composition
- Promotes healthy metabolic flexibility
- May support insulin responsiveness

TARGET AREAS

- BODY COMPOSITION
- ENERGY PRODUCTION
- INSULIN SENSITIVITY
- NAD+ METABOLISM
- LEAN MUSCLE SUPPORT
- METABOLISM
- LIPID METABOLISM
- MITOCHONDRIAL HEALTH

HOW IT'S TAKEN

SUBCUTANEOUS • ORAL

TYPICAL DOSING

2.5 mg 1 -2 x daily

HOW IT WORKS

NNMT INHIBITION
Blocks NNMT, an enzyme involved in nicotinamide metabolism.

NAD+ PRESERVATION
Helps preserve nicotinamide for the NAD+ salvage pathway.

LIPID METABOLISM
May reduce liver fat storage and support healthier lipid handling.

ENERGY EXPENDITURE
Supports metabolic pathways involved in cellular energy use.

BODY COMPOSITION
May support lower fat mass while preserving lean tissue.

TOGETHER THESE MECHANISMS
Support NAD+ availability, metabolism, and healthy body composition.

PAIRS WELL WITH

- MOTS-c
- SS-31
- Retatrutide
- AOD-9604
- Tesamorelin
- CJC / Ipamorelin

Co-Factors

- Nicotinamide
- Magnesium
- Creatine
- CoQ10
- Protein Intake
- Resistance Training

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Cellular & animal studies suggest that NNMT inhibition increases NAD+ availability, influences lipid metabolism, and improves body-comp markers. There are no published peer-reviewed human clinical trials establishing safety, efficacy, pharmacokinetics, or standardized dosing.

ABALOPARATIDE

ANABOLIC BONE-BUILDING PEPTIDE

Bone Formation • Bone Density • Skeletal Strength
Fracture Protection • Healthy Aging

"Abaloparatide uses brief PTH1-receptor signaling to activate osteoblasts and build stronger bone without continuously driving bone turnover."

-Professor Pep

See Notes Below



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

BENEFITS

- Stimulates new bone formation and remodeling
- Increases bone mineral density and strength
- Supports healthy osteoblast number and activity
- Improves trabecular bone microarchitecture
- Reduces vertebral and nonvertebral fracture risk
- Supports stronger skeletal structure with age
- Helps preserve mobility through healthier bones

TARGET AREAS

- BONE DENSITY
- BONE FORMATION
- BONE HEALTH
- SKELETAL STRENGTH
- FRACTURE PROTECTION
- MOBILITY & STABILITY
- HEALTHY AGING
- BONE REMODELING

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

80 mcg daily • 2-year lifetime maximum

HOW IT WORKS

PTH1 RECEPTOR
Activates PTH1 receptors on osteoblasts and bone-forming precursor cells.

TRANSIENT SIGNALING
Produces brief receptor signaling that favors bone formation over resorption.

OSTEOBLAST ACTIVITY
Increases the number and activity of cells responsible for building bone.

BONE MATRIX
Supports formation and mineralization of healthy new bone matrix.

SKELETAL STRENGTH
Improves bone density, microarchitecture, and resistance to fracture.

TOGETHER THESE MECHANISMS
Support new bone formation, stronger skeletal structure, and reduced fracture risk.

PAIRS WELL WITH

- Cartalax
- KLOW
- GHK-Cu
- NAD+
- SS-31
- Glutathione

Co-Factors

- Calcium
- Vitamin D3
- Vitamin K2
- Magnesium
- Protein Intake
- Resistance Training

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

MAX DOSAGE RISK 2-YEAR LIFETIME LIMIT CUMULATIVE TREATMENT

FDA-approved as TYMLOS® for osteoporosis in adults at high fracture risk. The recommended dose of 80 mcg once daily should not be exceeded. Treatment beyond 2 cumulative lifetime years is not recommended because long-term safety and effectiveness have not been established, with additional concern from osteosarcoma findings in animal studies.

ADAMAX

STABILIZED SEMAX - COGNITIVE COMPOUND

Focus • Neuroplasticity • Memory
Cognitive Performance • Neuroprotection



PepTribe
SCIENCE • COMMUNITY • CLARITY

"Adamax builds on the Semax framework with structural modifications designed to improve stability and brain exposure, but its proposed cognitive effects remain highly experimental."

-Professor Pep

BENEFITS

- Supports sustained focus and mental clarity
- May promote healthy learning and memory
- Supports adaptive brain neuroplasticity
- May encourage healthy BDNF-related signaling
- Supports stronger cognitive performance under stress
- May promote neurological resilience and protection
- Is designed for greater metabolic stability than Semax

TARGET AREAS

- FOCUS
- MEMORY
- NEURO-PLASTICITY
- COGNITIVE PERFORMANCE
- BRAIN HEALTH
- MENTAL CLARITY
- NEURO-PROTECTION
- SYNAPTIC HEALTH

HOW IT WORKS

SEMAX-DERIVED SIGNAL
Builds on the neurotropic signaling framework associated with Semax.

BDNF SUPPORT
May support BDNF-related pathways involved in learning and plasticity.

NEURAL CONNECTIVITY
May strengthen signaling involved in synaptic communication and memory.

ENHANCED STABILITY
Structural modifications are intended to resist enzymatic degradation.

BRAIN EXPOSURE
The adamantane component is designed to improve lipophilicity and brain penetration.

TOGETHER THESE MECHANISMS
May support sustained neurotrophic signaling, cognitive performance, and neural resilience.

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

Nasal 300-900 mcg 2-3 times daily
SubQ 200-500 mcg daily

PAIRS WELL WITH

- Selank
- PE-22-28
- SS-31
- NAD+
- Epitalon
- DSIP

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- Citicoline
- Phosphatidylserine
- NAC

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles. Follow formulation-specific instructions.

EVIDENCE LEVEL

Promising mechanistic rationale, but very limited direct evidence. Adamax has no established human clinical data, and its proposed cognitive effects are inferred mainly from Semax biology, structural design, and nonclinical research.

ADIPOTIDE

ADIPOSE-VASCULAR TARGETING PEPTIDE

Fat Reduction • Adipose Targeting • Metabolic Health
Insulin Sensitivity • Body Composition



PepTribe
SCIENCE • COMMUNITY • CLARITY

"Adipotide does not primarily suppress appetite or increase metabolism; it targets the blood supply supporting subcutaneous fat tissue and induces vascular cell death."

-Professor Pep

See Notes Below

BENEFITS

- Produces substantial fat-mass reduction in obese animal models
- Preferentially reduces subcutaneous fat tissue
- May improve insulin sensitivity during fat reduction
- Has improved glucose handling in preclinical models
- Can reduce circulating insulin requirements in obesity models
- Produces weight loss w/o requiring increased energy expenditure
- Demonstrates targeted adipose-vascular selectivity

TARGET AREAS

- BODY COMPOSITION
- ADIPOSE TISSUE
- INSULIN SENSITIVITY
- VISCERAL FAT
- FAT REDUCTION
- GLUCOSE CONTROL
- METABOLIC HEALTH
- WEIGHT REGULATION

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

250-1000 mcg daily for 4 weeks MAX
4 weeks off MIN

HOW IT WORKS

ADIPOSE TARGETING
Binds vascular markers enriched on blood vessels supplying white fat tissue.

CELL ENTRY
Carries its pro-apoptotic payload into targeted vascular endothelial cells.

MITOCHONDRIAL DISRUPTION
Damages endothelial mitochondria and triggers programmed cell death.

BLOOD-SUPPLY LOSS
Reduces capillary support to white adipose tissue, leading to fat-cell loss.

METABOLIC CHANGE
Fat reduction is accompanied by improved glucose and insulin signaling in animal models.

TOGETHER THESE MECHANISMS
Reduce white-fat mass by selectively disrupting the blood vessels that sustain adipose tissue.

PAIRS WELL WITH

- CJC/IPA
- Tesamorelin
- AOD-9604
- 5-Amino-1MQ
- MOTS-c
- Retatrutide

Co-Factors

- Protein
- Vitamin D3
- Creatine
- Omega-3
- Magnesium
- Electrolytes

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

KIDNEY TOXICITY RISK — CAUTION

Adipotide produced substantial fat loss & improved insulin resistance in obese rodents and primates. But it caused dose-dependent proximal kidney-tubule injury in primate studies. The effective research dose overlapped with doses showing renal toxicity, creating a narrow safety margin. Physician oversight & kidney-function monitoring are strongly recommended.

AOD-9604

METABOLIC GROWTH HORMONE FRAGMENT

Lipid Metabolism • Fat Mobilization • Body Composition
Metabolic Support • Energy Utilization



PepTribe
SCIENCE • COMMUNITY • CLARITY

"AOD-9604 isolates the fat-metabolism region of growth hormone. Its purpose is metabolic signaling, without raising GH or IGF-1, supporting fat metabolism without the growth-promoting effects of full GH."

-Professor Pep

BENEFITS

- Supports the breakdown of stored fat
- May reduce new fat formation
- Supports healthy lipid metabolism
- Promotes fat utilization for energy
- Supports healthy body composition
- Does not significantly increase IGF-1
- Provides metabolic signaling without full GH activity

TARGET AREAS

- BODY COMPOSITION
- ENERGY PRODUCTION
- INSULIN SENSITIVITY
- HEALTHY AGING
- FAT UTILIZATION
- METABOLISM
- LIPID METABOLISM
- ACTIVE PERFORMANCE

HOW IT'S TAKEN

SUBCUTANEOUS • ORAL

TYPICAL DOSING

SubQ 300 - 500 mcg daily
Oral 0.25 - 1 mg daily

HOW IT WORKS

GH FRAGMENT
Uses the metabolic region of growth hormone without full GH signaling.

LIPOLYSIS
Promotes the breakdown of stored triglycerides into fatty acids.

ANTI-LIPOGENESIS
May reduce pathways involved in forming and storing new fat.

FAT UTILIZATION
Supports the release and use of fatty acids for energy.

IGF-1 INDEPENDENCE
Acts without significantly increasing GH or IGF-1 activity.

TOGETHER THESE MECHANISMS
Support lipid metabolism, fat mobilization, and healthy body composition.

PAIRS WELL WITH

- MOTS-c
- SS-31
- Retatrutide
- 5-Amino-1MQ
- Tesamorelin
- CJC / Ipamorelin

Co-Factors

- Omega-3
- Magnesium
- Creatine
- Aerobic Exercise
- Protein Intake
- Resistance Training

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles. Follow formulation-specific instructions.

EVIDENCE LEVEL

AOD-9604 has undergone human clinical testing and demonstrated generally favorable short-term tolerability. It remains an unapproved investigational peptide with limited long-term safety data.

ARA-290

NERVE-PROTECTIVE REPAIR PEPTIDE

Nerve Health • Neuroprotection • Neuropathic Comfort
Inflammatory Balance • Tissue Resilience

"ARA-290 separates EPO's repair signal from its blood-building effects, activating an innate repair pathway that protects stressed nerves and supports recovery."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports small-fiber nerve health and function
- Promotes neurological protection during cellular stress
- Supports healthier inflammatory signaling around nerves
- May reduce neuropathic discomfort and sensitivity
- Encourages nerve-fiber repair and regeneration
- Supports cellular survival following tissue injury
- Promotes broader tissue resilience under stress

TARGET AREAS

- PAIN & COMFORT
- CELLULAR RESILIENCE
- NERVE HEALTH
- SENSORY FUNCTION
- INFLAMMATION REDUCTION
- TISSUE REPAIR
- NEUROLOGICAL RECOVERY
- NEURO-PROTECTION

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

4 mg daily

HOW IT WORKS

INNATE REPAIR RECEPTOR
Activates the tissue-protective innate repair receptor on stressed cells.

NERVE PROTECTION
Supports survival signaling in neurons exposed to inflammatory or metabolic stress.

INFLAMMATORY BALANCE
Helps reduce excessive cytokine and microglial inflammatory activity.

PAIN SIGNALING
May reduce abnormal TRPV1 activity involved in neuropathic sensitivity.

CELLULAR REPAIR
Activates pathways that support cell survival, repair, and tissue resilience.

TOGETHER THESE MECHANISMS
Support nerve protection, inflammatory balance, and recovery from neurological stress.

PAIRS WELL WITH

- BPC-157
- KPV
- Semax
- GHK-Cu
- SS-31
- NAD+

Co-Factors

- Omega-3
- Magnesium
- Vitamin B12
- Alpha-Lipoic Acid
- NAC
- Acetyl-L-Carnitine

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

ARA-290 has Phase II human research supporting tissue-protective signaling and benefits in small-fiber neuropathy. Short-term tolerability has been favorable, but larger confirmatory trials and standardized clinical protocols remain limited. It is not FDA-approved.

BPC-157

BODY-WIDE REPAIR PEPTIDE

Tendon Repair • Gut Protection • Angiogenesis
Tissue Recovery • Inflammation Balance



PepTribe
SCIENCE • COMMUNITY • CLARITY

"BPC-157 doesn't appear to function as a traditional growth factor. Instead, it acts like a repair coordinator, helping injured tissues restore structure, blood supply, and cellular communication."
-Professor Pep

BENEFITS

- Supports tendon and ligament repair
- Promotes muscle and soft tissue recovery
- Supports gastrointestinal lining integrity
- Encourages healthy blood vessel formation
- Helps maintain a balanced inflammatory response
- Supports nerve recovery following injury
- Promotes connective tissue remodeling

TARGET AREAS

- RECOVERY & HEALING
- JOINT HEALTH
- INFLAMATION REDUCTION
- GUT HEALTH
- MOBILITY & FLEXIBILITY
- TISSUE REPAIR
- BONE HEALTH
- PERFORMANCE & ENDURANCE

HOW IT'S TAKEN

SUBCUTANEOUS • ORAL

TYPICAL DOSING

0.5 – 1 mg 1 – 3 x daily

HOW IT WORKS

TISSUE REPAIR
Supports cellular repair signaling involved in ligament, muscle, and connective tissue healing.

ANGIOGENESIS
Promotes healthy blood vessel formation to improve oxygen and nutrient delivery.

COLLAGEN REMODELING
Supports organized collagen synthesis and extracellular matrix remodeling.

GUT PROTECTION
Supports gastrointestinal mucosal integrity and healthy barrier function.

INFLAMMATION BALANCE
Helps maintain a balanced inflammatory environment during tissue recovery.

TOGETHER THESE MECHANISMS
Create a coordinated environment for tissue repair, recovery and musculoskeletal health.

PAIRS WELL WITH

- TB-500
- KPV
- GHK-CU
- SS-31
- MOTS-C
- CJC/Ipamorelin

Co-Factors

- Collagen Peptides
- Hyaluronic Acid
- Vitamin C
- Magnesium
- Omega-3
- Resistance Training

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Extensive preclinical evidence supports its role in tissue repair, angiogenesis, and gastrointestinal protection. Human clinical evidence remains limited. BPC-157 should currently be viewed as an investigational research peptide.

BRONCHOGEN

LUNG PEPTIDE BIOREGULATOR

Lung Health • Airway Protection • Epithelial Repair
Respiratory Defense • Healthy Aging



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

"Bronchogen supports the lung's protective lining by regulating gene programs involved in epithelial renewal, surfactant production, and inflammatory balance."

-Professor Pep

BENEFITS

- Supports healthy bronchial epithelial function
- Promotes restoration of the airway lining
- Supports balanced respiratory inflammation
- Encourages healthy surfactant production
- Supports normal mucociliary clearance
- Promotes local respiratory immune defense
- Supports lung resilience during aging

TARGET AREAS

- LUNG HEALTH
- AIRWAY PROTECTION
- RESPIRATORY DEFENSE
- MUCOSAL HEALTH
- HEALTHY AGING
- EPITHELIAL REPAIR
- INFLAMMATORY BALANCE
- AIRWAY CLEARANCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

HOW IT WORKS

GENE REGULATION
Influences gene programs involved in lung-cell maintenance and differentiation.

EPITHELIAL RENEWAL
Supports restoration of bronchial and alveolar epithelial cells.

SURFACTANT SUPPORT
Promotes surfactant proteins involved in healthy alveolar stability.

MUCOCILIARY CLEARANCE
Supports ciliated cells and normal respiratory mucus clearance.

INFLAMMATORY BALANCE
May reduce excessive cytokine and neutrophil activity in lung tissue.

TOGETHER THESE MECHANISMS
Support airway integrity, respiratory defense, and healthier lung-tissue aging.

PAIRS WELL WITH

- KLOW
- Chonluten
- SS-31
- Thymosin Alpha-1
- Glutathione
- ARA-290

Co-Factors

- NAC
- Omega-3
- Vitamin D3
- Vitamin C
- Magnesium
- Quercetin

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Animal & cellular studies suggest that Bronchogen supports bronchial epithelial remodeling, surfactant production, mucociliary function, and inflammatory balance. Human safety, standardized dosing, and controlled clinical efficacy remain unestablished.

CARDIOGEN

CARDIAC PEPTIDE BIOREGULATOR

Heart Health • Cardiac Resilience • Cellular Repair
Healthy Circulation • Cardiac Aging

"Cardiogen supports heart-tissue resilience by influencing gene programs involved in cardiomyocyte survival, structural integrity, and cardiac remodeling."
-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy cardiomyocyte function and survival
- Promotes structural resilience in cardiac tissue
- Encourages healthy myocardial-cell renewal
- Helps regulate cardiac stress-response pathways
- May reduce excessive cardiomyocyte apoptosis
- Supports healthier post-stress cardiac remodeling
- Promotes long-term heart-tissue resilience

TARGET AREAS

- CARDIAC RESILIENCE
- CARDIAC RENEWAL
- CARDIAC ENERGY
- HEALTHY AGING
- HEART HEALTH
- CARDIAC FUNCTION
- MYOCARDIAL HEALTH
- CELLULAR RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

HOW IT WORKS

GENE REGULATION
Influences gene-expression programs involved in cardiac structure and repair.

CELLULAR STRUCTURE
Supports proteins that maintain cardiomyocyte shape and mechanical integrity.

CELL SURVIVAL
May reduce apoptosis signaling in stressed myocardial cells.

CARDIAC RENEWAL
Promotes cardiomyocyte proliferation in preclinical tissue models.

TISSUE REMODELING
May support healthier myocardial remodeling following cellular stress.

TOGETHER THESE MECHANISMS
Support cardiac-cell survival, structural integrity, and healthier heart-tissue aging.

PAIRS WELL WITH

- Vesugen
- VIP
- SS-31
- KLOW
- Glutathione
- ARA-290

Co-Factors

- CoQ10
- Magnesium
- Taurine
- L-Carnitine
- Omega-3
- Potassium-Rich Foods

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Cardiogen has organotypic, cellular, and animal research involving cardiomyocyte proliferation, apoptosis regulation, structural proteins, and myocardial remodeling. human pharmacokinetic, safety, dosing, and clinical-outcome data remain very limited.

CARTALAX

CARTILAGE PEPTIDE BIOREGULATOR

Cartilage Health • Joint Support • Collagen
Mobility • Connective Tissue

"Cartalax is designed to support cartilage from within by influencing gene-expression programs tied to collagen production, cellular aging, and matrix integrity."

-Professor Pep



PepTribe

SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy cartilage-cell function
- Promotes collagen and matrix production
- Helps maintain joint structure and resilience
- Supports connective-tissue integrity with age
- May reduce cartilage-degrading enzyme activity
- Encourages healthier cellular renewal patterns
- Supports mobility and long-term joint function

TARGET AREAS

- PAIN & COMFORT
- JOINT HEALTH
- COLLAGEN SUPPORT
- HEALTHY AGING
- CARTILAGE HEALTH
- MOBILITY & FLEXIBILITY
- BONE HEALTH
- CONNECTIVE TISSUE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

2 mg daily for 10-20 days
Cycled 2-4 times a year

HOW IT WORKS

GENE REGULATION
Influences gene-expression programs involved in cartilage maintenance and aging.

COLLAGEN SUPPORT
Promotes collagen and extracellular-matrix synthesis in connective-tissue cells.

MMP-9 CONTROL
May reduce MMP-9 activity associated with matrix and collagen breakdown.

CELL SURVIVAL
Supports healthier proliferation while reducing apoptosis and senescence signals.

MATRIX RESILIENCE
Helps preserve cartilage structure during mechanical and inflammatory stress.

TOGETHER THESE MECHANISMS
Support cartilage integrity, connective-tissue resilience, and healthier joint aging.

PAIRS WELL WITH

- BPC-157
- TB-500
- GHK-Cu
- KPV
- SS-31
- ARA-290

Co-Factors

- Vitamin C
- Magnesium
- Hyaluronic Acid
- Collagen Peptides
- Omega-3
- Resistance Training

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Cartalax has cellular, animal, and limited regional clinical research involving cartilage, fibroblasts, collagen synthesis, matrix degradation, and cellular aging. However, large randomized human trials, standardized dosing, and long-term safety data remain limited.

CHONLUTEN

BRONCHIAL MUCOSA BIOREGULATOR

Bronchial Health • Mucosal Protection • Airway Balance
Respiratory Defense • Cellular Resilience

"Chonluten helps regulate the bronchial lining by supporting mucosal integrity, stress-response genes, and balanced inflammatory signaling."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy bronchial-mucosa function
- Promotes stronger airway epithelial integrity
- Helps regulate respiratory inflammatory signaling
- Supports healthier mucus characteristics and clearance
- Encourages antioxidant and cellular stress defenses
- Supports bronchial-cell survival during inflammation
- Promotes long-term respiratory tissue resilience

TARGET AREAS

- BRONCHIAL HEALTH
- AIRWAY PROTECTION
- RESPIRATORY DEFENSE
- MUCOSAL HEALTH
- IMMUNE SURVEILLANCE
- AIRWAY CLEARANCE
- EPITHELIAL REPAIR
- CELLULAR RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

HOW IT WORKS

GENE REGULATION
Modulates genes involved in airway inflammation, stress response, and tissue maintenance.

CYTOKINE BALANCE
Helps regulate TNF-α, IL-6, and related inflammatory signaling pathways.

MUCOSAL INTEGRITY
Supports the structure and function of the bronchial mucosal lining.

STRESS RESPONSE
Promotes antioxidant enzymes and HSP70-related cellular protection.

CELL SURVIVAL
Helps balance proliferation and apoptosis in stressed bronchial cells.

TOGETHER THESE MECHANISMS
Support bronchial integrity, inflammatory balance, and respiratory tissue resilience.

PAIRS WELL WITH

- Bronchogen
- ARA-290
- KLOW
- Thymosin Alpha-1
- SS-31
- Glutathione

Co-Factors

- NAC
- Omega-3
- Quercetin
- Vitamin C
- Vitamin D3
- Magnesium

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Cellular & animal studies suggest that Chonluten supports bronchial-mucosa integrity, inflammatory regulation, antioxidant defenses, and epithelial stress responses. controlled human efficacy, standardized dosing, and long-term safety remain poorly established.

CJC-1295 (NO DAC)

SHORT-ACTING GH SIGNALING PEPTIDE

Growth Hormone Support • Recovery • Lean Muscle
Sleep • Body Composition



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

"CJC-1295 without DAC is designed to work with the body's natural rhythm. Rather than producing prolonged stimulation, it supports physiologic growth hormone pulses that more closely resemble normal endocrine signaling."

-Professor Pep

BENEFITS

- Supports natural GH release
- Promotes healthy IGF-1 production
- Supports recovery following exercise
- Encourages lean muscle maintenance
- Supports healthy body composition
- Supports restorative sleep quality
- Supports healthy aging and recovery

HOW IT WORKS

GHRH RECEPTOR
Stimulates GHRH receptors to support natural growth hormone release.

GH PULSES
Supports physiologic GH pulses that resemble the body's normal secretion pattern.

SHORT-ACTING SIGNAL
Rapid clearance allows natural GH rhythms to resume between doses.

IGF-1 SUPPORT
Promotes healthy IGF-1 production associated with recovery and tissue maintenance.

RECOVERY & BODY COMPOSITION
Supports recovery, lean body composition, and healthy aging.

TOGETHER THESE MECHANISMS
Supports physiologic GH pulses through GHRH signaling.

TARGET AREAS

- METABOLISM
- SLEEP QUALITY
- GH SUPPORT
- HEALTHY AGING
- LEAN MUSCLE GROWTH
- BODY COMPOSITION
- RECOVERY & REPAIR
- PERFORMANCE & ENDURANCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

100–600 mcg nightly (fasted)
12 week cycle • 4 week break

PAIRS WELL WITH

- Ipamorelin
- BPC-157
- TB-500
- Retatrutide
- MOTS-c
- SS-31

Co-Factors

- Protein Intake
- Creatine
- Magnesium
- Zinc
- Vitamin D3
- Quality Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Preclinical research demonstrates that CJC-1295 (No DAC) stimulates endogenous GH release through GHRH receptor activation while preserving physiologic pulsatility. Mechanistic evidence is well established but it is still an investigational research peptide.

CJC-1295 (WITH DAC)

LONG-ACTING GH SIGNALING PEPTIDE

Growth Hormone Support • Recovery • Lean Muscle
Sleep • Body Composition



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

"The addition of DAC changes the strategy. Rather than amplifying individual growth hormone pulses, CJC-1295 DAC provides sustained GHRH stimulation, creating a longer-lasting anabolic environment."

-Professor Pep

BENEFITS

- Supports sustained GH signaling
- Promotes healthy IGF-1 production
- Supports lean muscle maintenance
- Encourages healthy body composition
- Supports restorative sleep quality
- Supports recovery following exercise
- Supports healthy aging and recovery

HOW IT WORKS

CJC-1295 DAC
Long-Acting GH Support • Sustained IGF-1 • Recovery • Lean Mass • Healthy Aging

IPAMORELIN
Ghrelin Signaling • GH Pulse • Recovery • Body Composition • Sleep

ALBUMIN BINDING (DAC)
DAC binds albumin, extending CJC-1295 activity and supporting prolonged GHRH signaling.

SUSTAINED GH SIGNALING
Combined GHRH and ghrelin signaling supports sustained GH and IGF-1 activity.

RECOVERY & BODY COMPOSITION
Supports recovery, lean body composition, and healthy tissue maintenance.

TOGETHER THESE MECHANISMS
Provides prolonged GH support through albumin binding.

TARGET AREAS

- METABOLISM
- SLEEP QUALITY
- GH SUPPORT
- RECOVERY & REPAIR
- LEAN MUSCLE GROWTH
- BODY COMPOSITION
- POWER & STRENGTH
- PERFORMANCE & ENDURANCE

PAIRS WELL WITH

- Ipamorelin
- BPC-157
- TB-500
- Retatrutide
- MOTS-c
- SS-31

HOW IT'S TAKEN

SUBCUTANEOUS

Co-Factors

- Protein Intake
- Creatine
- Magnesium
- Zinc
- Vitamin D3
- Quality Sleep

TYPICAL DOSING

1–2 mg weekly (fasted)
12 week cycle • 4 week break

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Early human studies demonstrate that CJC-1295 DAC produces sustained elevations in GH and IGF-1 through prolonged albumin binding, with effects lasting several days. The combination should be considered an investigational research protocol.

CJC/IPA (NO DAC)

GROWTH HORMONE SIGNALING BLEND

Growth Hormone Support • Recovery • Lean Muscle
Sleep • Body Composition



PepTribe
SCIENCE • COMMUNITY • CLARITY

"Growth hormone isn't meant to stay elevated all day, it's released in pulses. CJC-1295 and Ipamorelin work through complementary pathways to support the body's own growth hormone rhythm rather than replacing it."

-Professor Pep

BENEFITS

- Supports natural growth hormone release
- Promotes recovery following training
- Supports lean muscle maintenance
- Encourages healthy body composition
- Supports restorative sleep quality
- Promotes healthy IGF-1 signaling

HOW IT WORKS

CJC-1295
Growth Hormone Signaling • IGF-1 Support • Recovery
Lean Mass • Sleep

IPAMORELIN
Ghrelin Signaling • GH Pulse • Recovery • Body Composition • Sleep

DUAL PATHWAY ACTIVATION
CJC activates GHRH receptors while Ipa stimulates ghrelin receptors, providing complementary signals.

IGF-1 SUPPORT
The resulting GH pulses promote IGF-1 production involved in body comp and tissue maintenance.

RECOVERY & SLEEP
GH release during sleep supports recovery, tissue repair, and normal metabolic function.

TOGETHER THESE MECHANISMS
Combine GHRH and ghrelin signaling for coordinated endogenous GH support.

TARGET AREAS

- METABOLISM
- SLEEP QUALITY
- GH SUPPORT
- RECOVERY & REPAIR
- LEAN MUSCLE GROWTH
- BODY COMPOSITION
- POWER & STRENGTH
- PERFORMANCE & ENDURANCE

PAIRS WELL WITH

- BPC-157
- TB-500
- GHK-Cu
- Retatrutide
- MOTS-c
- SS-31

HOW IT'S TAKEN

SUBCUTANEOUS

Co-Factors

- Protein Intake
- Creatine
- Magnesium
- Zinc
- Vitamin D3
- Quality Sleep

TYPICAL DOSING

100–700 mcg nightly (fasted)
12 week cycle • 4 week break

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Preclinical and early human studies demonstrate that CJC-1295/Ipamorelin stimulate GH release through complementary pathways. Mechanistic evidence is strong, but the combination should be considered an investigational research protocol.

CORTAGEN

BRAIN PEPTIDE BIOREGULATOR

Brain Health • Neuroprotection • Nerve Recovery
Cognitive Resilience • Healthy Aging



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

"Cortagen supports brain and nerve resilience by influencing gene-expression programs involved in cellular repair, stress response, and neurological recovery."

-Professor Pep

BENEFITS

- Supports healthy brain-cell function and resilience
- Promotes protection during neurological stress
- Supports peripheral nerve repair and signaling
- Encourages healthier cognitive function with age
- Helps regulate oxidative and inflammatory stress
- Supports neurological recovery after tissue injury
- Promotes long-term nervous-system resilience

TARGET AREAS

- COGNITIVE RESILIENCE
- MEMORY
- NERVE HEALTH
- HEALTHY AGING
- BRAIN HEALTH
- NEURO-PROTECTION
- NEUROLOGICAL RECOVERY
- CELLULAR RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 30 days
Cycled 2-4 times a year

HOW IT WORKS

GENE REGULATION
Influences gene-expression programs involved in neural repair and cellular stress response.

CHROMATIN ACCESS
May support chromatin changes that reactivate protective cellular pathways.

NERVE REGENERATION
Supports peripheral nerve regrowth and functional signal conduction.

STRESS PROTECTION
Helps neurons and glial cells respond to oxidative and ischemic stress.

INFLAMMATORY BALANCE
May regulate cytokine activity within neural and immune tissues.

TOGETHER THESE MECHANISMS
Support neural resilience, nerve recovery, and healthier brain aging.

PAIRS WELL WITH

- Semax
- NAD+
- Selank
- Epitalon
- SS-31
- ARA-290

Co-Factors

- NAC
- Magnesium
- Citicoline
- Vitamin B12
- Omega-3
- Quality Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Cortagen has animal, ex vivo, gene-expression, and limited clinical research involving nerve regeneration, neurological stress, cognition, and tissue regulation. Human trials, validated dosing, long-term safety data, and standardized clinical protocols remain unavailable.

CRYSTAGEN

THYMIC PEPTIDE BIOREGULATOR

Thymic Function • T-Cell Support • Immune Balance
Immune Resilience • Healthy Aging

"Crystagen is designed to support the thymus; the organ that helps develop and regulate T cells while influencing gene activity tied to immune resilience and cellular aging."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy thymic structure and function
- Promotes T-cell development and immune balance
- Supports healthy CD4/CD8 immune-cell ratios
- May improve thymocyte proliferation during stress
- Supports immune resilience during aging
- Helps regulate inflammatory and cytokine responses
- May support cellular antioxidant and survival pathways

TARGET AREAS

- IMMUNE BALANCE
- THYMIC FUNCTION
- IMMUNE RESILIENCE
- T-CELL SUPPORT
- INFLAMMATORY BALANCE
- IMMUNE DEFENSE
- HEALTHY AGING
- CELLULAR RESILIENCE

HOW IT WORKS

GENE REGULATION
May interact with DNA and chromatin to influence immune-related gene activity.

THYMIC SUPPORT
Supports thymocyte proliferation and preservation of healthy thymus structure.

T-CELL BALANCE
Helps regulate T-cell development and immune-cell proportions.

STRESS RESPONSE
Influences heat-shock proteins, cytokines, and cellular stress pathways.

CELL SURVIVAL
May support antioxidant defenses and reduce excessive apoptosis signaling.

TOGETHER THESE MECHANISMS
Support thymic function, T-cell balance, immune resilience, & age-related immune regulation.

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

PAIRS WELL WITH

- Thymosin Alpha-1
- LL-37
- VIP
- KLOW
- Glutathione
- SS-31

Co-Factors

- Zinc
- Vitamin D3
- NAC
- Omega-3
- Magnesium
- Selenium

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Crystagen has early evidence for thymic support, T-cell balance, and immune regulation. Large clinical trials, standardized dosing, and long-term safety data are lacking. Because Crystagen may influence gene expression, cell survival, and proliferation, long-term tumor-related safety has not been established.

DIHEXA

SYNAPTOGENIC COGNITIVE COMPOUND

Synaptic Growth • Memory • Neuroplasticity
Learning • Cognitive Recovery

"Dihexa is designed to strengthen neural connectivity by amplifying HGF/c-Met signaling, a pathway involved in forming new synapses."

See Notes Below

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

SMALL MOLECULE

BENEFITS

- Supports the formation of new neural connections
- Promotes healthy learning and memory function
- Supports adaptive brain neuroplasticity
- Encourages stronger synaptic communication
- Supports cognitive performance and recall
- May support recovery from cognitive impairment
- Promotes long-term neural-network resilience

TARGET AREAS

- COGNITIVE PERFORMANCE
- MEMORY
- NEURO-PLASTICITY
- HEALTHY AGING
- BRAIN HEALTH
- LEARNING
- NEUROLOGICAL RECOVERY
- SYNAPTIC HEALTH

HOW IT'S TAKEN

ORAL

TYPICAL DOSING

10-50 mg daily

HOW IT WORKS

HGF BINDING
Binds HGF and enhances its downstream signaling activity.

C-MET ACTIVATION
Amplifies HGF-dependent activation of the c-Met receptor.

SPINE FORMATION
Promotes new dendritic spines on hippocampal neurons.

SYNAPTOGENESIS
Supports the formation of functional connections between neurons.

COGNITIVE SIGNALING
Strengthens pathways involved in learning, memory, and recall.

TOGETHER THESE MECHANISMS
Support synaptic connectivity, neuroplasticity, and cognitive performance.

PAIRS WELL WITH

- Semax
- Selank
- SS-31
- NAD+
- MOTS-c
- Cerebrolysin

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- Citicoline
- Quality Sleep
- Cognitive Training

STORAGE & HANDLING

Store according to the research formulation's instructions in a cool, dry environment protected from heat, light, and moisture.

⚠ EVIDENCE LEVEL ⚠

CANCER RISK

Do not use dihexa if you have a personal history of cancer or precancerous conditions. The HGF/c-Met pathway is a well-established oncogenic pathway, and multiple pharmaceutical companies have developed c-Met inhibitors specifically because excessive c-Met signaling drives tumor progression. Whether dihexa's level of c-Met activation is sufficient to promote tumorigenesis is unknown. No carcinogenicity studies have been conducted. This is a genuine safety concern, not a hypothetical one.

DSIP

SLEEP & STRESS-REGULATION PEPTIDE

Sleep Quality • Circadian Rhythm • Stress Resilience
Relaxation • Neuroendocrine Balance

"DSIP appears to regulate sleep and stress signaling rather than simply sedating the brain, but its exact receptor and biological role remain unresolved."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports more restorative sleep architecture
- Promotes healthy sleep-wake cycle regulation
- Supports resilience during periods of stress
- Encourages a calmer nighttime mental state
- May support healthy cortisol rhythm regulation
- Supports neuroendocrine balance during sleep
- May promote recovery through improved rest

TARGET AREAS

- SLEEP HORMONES
- STRESS RESILIENCE
- CALM & RELAXATION
- RECOVERY & HEALING
- BRAIN HEALTH
- SLEEP QUALITY
- CIRCADIAN RHYTHM
- EMOTIONAL REGULATION

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

100-300 mcg nightly 5-10 nights then evaluate
OR 100-300 mcg 3-5x weekly at night

HOW IT WORKS

SLEEP ARCHITECTURE
May influence delta-wave activity and restorative sleep patterns.

CIRCADIAN SIGNALING
Supports biological rhythms involved in sleep and wake timing.

STRESS RESPONSE
May help regulate cortisol and other stress related signaling pathways.

NEUROENDOCRINE BALANCE
Influences hormonal activity associated with different sleep stages.

RECOVERY SUPPORT
May support physical and neurological recovery by improving restorative rest.

TOGETHER THESE MECHANISMS
Support sleep regulation, stress resilience, and nighttime recovery signaling.

PAIRS WELL WITH

- Selank
- SS-31
- NAD+
- Epitalon
- Semax
- CJC/Ipamorelin

Co-Factors

- Omega-3
- Magnesium
- L-Theanine
- Glycine
- Taurine
- Consistent Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

DSIP has historical human and animal research involving sleep, stress regulation, pain, and neuroendocrine signaling. Results are inconsistent, its receptor remains unidentified, and modern pharmacokinetic, long-term safety, and controlled efficacy data are limited.

EPITALON

PINEAL LONGEVITY BIOREGULATOR

Healthy Aging • Circadian Rhythm
Sleep • Cellular Resilience • Telomere Support

"Epitalon is a pineal signaling peptide studied for helping restore circadian rhythm while supporting cellular maintenance and telomere biology."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy circadian rhythm regulation
- Promotes more balanced melatonin signaling
- Supports healthy sleep-wake cycle function
- Encourages cellular repair and resilience
- Supports antioxidant defense during aging
- May help preserve healthy telomere function
- Supports long-term neuroendocrine balance

TARGET AREAS

- TELOMERE SUPPORT
- LONGEVITY
- CELLULAR RESILIENCE
- HEALTHY AGING
- ENERGY REGULATION
- SLEEP
- CIRCADIAN RHYTHM
- PINEAL FUNCTION

HOW IT'S TAKEN

SUBCUTANEOUS & INTRAMUSCULAR

TYPICAL DOSING

0.5-1.0 mg daily for 10-20 days

HOW IT WORKS

PINEAL SIGNALING
Supports signaling associated with pineal and neuroendocrine function.

CIRCADIAN RHYTHM
May help normalize biological-clock and sleep-wake signaling.

MELATONIN REGULATION
Supports more youthful patterns of nighttime melatonin secretion.

TELOMERE BIOLOGY
May influence telomerase activity and telomere maintenance in cell models.

CELLULAR RESILIENCE
Supports antioxidant defense, DNA stability, and healthy-aging pathways.

TOGETHER THESE MECHANISMS
Support circadian balance, cellular resilience, and healthy-aging biology.

PAIRS WELL WITH

- SS-31
- MOTS-c
- NAD+
- DSIP
- Semax
- GHK-Cu

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- Glycine
- Morning Light Exposure
- Consistent Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Epitalon has mechanistic, animal, and limited regional human research involving circadian regulation, melatonin signaling, telomere biology, and healthy aging. However, large modern randomized trials, standardized dosing studies, and long-term safety data remain limited.

FOXO4-DRI

TARGETED SENOLYTIC PEPTIDE

Cellular Senescence • Senescent-Cell Clearance
Healthy Aging • Tissue Resilience • Inflammatory Balance

"FOXO4-DRI disrupts a survival signal used by senescent cells, allowing p53 to trigger their selective removal."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Promotes selective clearance of senescent cells
- Helps reduce senescence associated inflammatory signaling
- Supports healthier cellular turnover with age
- May improve tissue function in aging models
- Supports resilience against senescent-cell accumulation
- May reduce fibrosis-related cellular signaling
- Supports broader healthy-aging research pathways

TARGET AREAS

- CELLULAR SENESCENCE
- FIBROSIS BALANCE
- TISSUE RESILIENCE
- INFLAMMATORY BALANCE
- SENESCENT-CELL CLEARANCE
- CELLULAR RENEWAL
- HEALTHY AGING
- CELLULAR RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

2-3 mg every other day, 3x total
1-3x yearly

HOW IT WORKS

FOXO4-P53 DISRUPTION
Competitively disrupts the survival interaction between FOXO4 and p53.

P53 RELOCATION
Allows p53 to move from the nucleus into the cell's cytoplasm.

APOPTOSIS SIGNALING
Triggers programmed cell death in susceptible senescent cells.

SENESCENT-CELL CLEARANCE
Preferentially removes cells that depend on FOXO4–p53 signaling for survival.

SASP REDUCTION
May reduce inflammatory and tissue-degrading signals released by senescent cells.

TOGETHER THESE MECHANISMS
Support targeted senescent-cell clearance and healthier tissue aging.

PAIRS WELL WITH

- Epitalon
- MOTS-c
- GHK-Cu
- NAD+
- SS-31
- Glutathione

Co-Factors

- Omega-3
- Glycine
- Magnesium
- NAC
- CoQ10
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

⚠ EVIDENCE LEVEL ⚠

Studies suggest that FOXO4-DRI selectively removes senescent cells and improves some aging-related tissue markers. FOXO4-DRI directly alters p53 localization and signaling. Because p53 is central to tumor suppression, long-term effects on cancer surveillance and premalignant cells remain unknown.

GHK-CU

REGENERATIVE & TISSUE REMODELING

Collagen Support • Skin Renewal • Tissue Remodeling
Hair Health • Wound Recovery



PepTribe
SCIENCE • COMMUNITY • CLARITY

GHK-Cu isn't simply a collagen peptide. It acts like a remodeling signal. Rather than just stimulating repair, it helps guide how tissues rebuild, influencing collagen organization, skin quality, and long-term structural integrity."

-Professor Pep

BENEFITS

- Supports collagen and elastin production
- Promotes skin firmness and healthy aging
- Encourages wound healing and tissue repair
- Supports healthy hair growth and scalp function
- Helps maintain balanced inflammatory signaling
- Supports connective tissue remodeling
- Promotes healthy extracellular matrix integrity

HOW IT WORKS

COLLAGEN SIGNALING
Supports collagen synthesis while promoting balanced extracellular matrix remodeling.

GENE REGULATION
Modulates gene expression associated with tissue repair, antioxidant defense, and healthy aging.

COPPER DELIVERY
Supplies bioavailable copper to enzymes involved in tissue repair and regeneration.

ANTIOXIDANT DEFENSE
Supports endogenous antioxidant systems and helps reduce oxidative tissue stress.

TISSUE REMODELING
Promotes healthy wound repair, angiogenesis, and connective tissue organization.

TOGETHER THESE MECHANISMS
Support collagen remodeling, healthy tissue renewal, and long-term structural integrity.

TARGET AREAS

- RECOVERY & HEALING
- COLLAGEN SUPPORT
- INFLAMATION REDUCTION
- ANTI-AGING
- SKIN HEALTH
- TISSUE REPAIR
- HAIR HEALTH
- BONE HEALTH

HOW IT'S TAKEN

SUBCUTANEOUS • TOPICAL

TYPICAL DOSING

Topical .01 – .1%
SubQ 1 – 3 mg daily

PAIRS WELL WITH

- TB-500
- BPC-157
- SS-31
- KPV
- MOTS-c
- Epitalon

Co-Factors

- Vitamin C
- Hyaluronic Acid
- Zinc
- Collagen
- Magnesium
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Extensive preclinical and cosmetic research supports GHK-Cu's role in collagen remodeling, skin rejuvenation, wound healing, and tissue repair. Human evidence is strongest for topical dermatologic applications, while systemic use remains investigational.

GHRP-2

GROWTH HORMONE RELEASE PEPTIDE

GH Release • Recovery Support • Lean Mass
Appetite • Body Composition

"GHRP-2 is a potent growth-hormone secretagogue, but unlike Ipamorelin it also stimulates appetite and can activate cortisol and prolactin pathways."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Strongly stimulates endogenous growth hormone release
- Supports growth-hormone pulse signaling
- Recovery and tissue remodeling through GH/IGF-1 pathways
- May support lean-mass and body-composition goals
- Stimulates appetite and food intake
- Can complement GHRH-based signaling pathways
- Has demonstrated direct hormonal activity in human studies

TARGET AREAS

- BODY COMPOSITION
- LEAN MASS
- RECOVERY & HEALING
- TISSUE RECOVERY
- GH SUPPORT
- RECOVERY SUPPORT
- APPETITE SUPPORT
- CELLULAR GROWTH

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

100–300 mcg 1–3 x daily (fasted)
Cycled 12-16 weeks on, 4 weeks off

HOW IT WORKS

GHRELIN RECEPTOR
Activates ghrelin receptors in the hypothalamus and pituitary.

GH RELEASE
Triggers pituitary cells to release a strong growth-hormone pulse.

DUAL-PATHWAY SYNERGY
Works through a different pathway than GHRH peptides, allowing synergistic GH release.

APPETITE SIGNALING
Activates ghrelin-related pathways that can increase hunger and food intake.

BROADER PITUITARY SIGNALING
Can also increase cortisol, ACTH, and prolactin, making it less selective than Ipamorelin.

TOGETHER THESE MECHANISMS
Increase endogenous GH release while also influencing appetite & pituitary-hormone signaling.

PAIRS WELL WITH

- CJC-1295 No DAC
- SS-31
- KLOW
- MOTS-c

Co-Factors

- Creatine
- Quality Sleep
- Vitamin D3
- Magnesium
- Zinc
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

GHRP-2 can increase cortisol, ACTH, prolactin, and appetite in addition to GH. Long-term effects of repeated GH/IGF-1 stimulation remain uncertain. Standardized therapeutic dosing, long-term safety, and FDA-approved treatment indications are lacking.

GLOW

THE BEAUTY & REGENERATION BLEND

Skin Renewal • Collagen Support • Tissue Repair
Recovery • Healthy Aging

"Healthy skin isn't created by one pathway. It depends on coordinated repair, collagen remodeling, and cellular recovery. GLOW brings together three complementary peptides that support the biology behind healthy skin and connective tissue."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports collagen production and skin firmness
- Promotes tissue repair and wound recovery
- Encourages healthy hair and connective tissue
- Supports skin hydration and elasticity
- Helps maintain balanced inflammatory signaling
- Promotes healthy aging and tissue remodeling
- Supports long-term skin and structural integrity

HOW IT WORKS

GHK-CU
Collagen Support • Skin Renewal
Tissue Remodeling • Hair Health • Wound Recovery

BPC-157
Tendon Repair • Gut Protection • Angiogenesis
Tissue Recovery • Inflammation Balance

TB-500
Recovery • Cell Migration • Tissue Remodeling
Flexibility • Performance

SKIN REPAIR & RECOVERY
These peptides support healthy skin renewal, connective tissue remodeling, and recovery.

TOGETHER THESE MECHANISMS
Create a environment for skin renewal, connective tissue repair, and healthy aging.

TARGET AREAS

- SKIN HEALTH
- COLLAGEN SUPPORT
- INFLAMATION REDUCTION
- ANTI-AGING
- HAIR HEALTH
- TISSUE REPAIR
- BARRIER PROTECTION
- RECOVERY & HEALING

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

10-20 units daily

PAIRS WELL WITH

- KPV
- SS-31
- MOTS-c
- VIP
- ARA-290
- Cartalax

Co-Factors

- Vitamin C
- Omega-3
- Hyaluronic Acid
- Collagen Peptides
- Magnesium
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

GLOW combines three investigational peptides with complementary roles in collagen remodeling, tissue repair, angiogenesis, and connective tissue regeneration. It should be viewed as an investigational regenerative research blend.

GLUTATHIONE

ENDOGENOUS TRIPEPTIDE ANTIOXIDANT

Antioxidant Defense • Detoxification • Cellular Resilience
Immune Support • Mitochondrial Health

"Glutathione is the cell's central redox buffer, helping neutralize oxidative stress, recycle antioxidants, and support detoxification."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports the body's primary antioxidant defenses
- Helps neutralize reactive oxygen species
- Supports healthy liver detoxification pathways
- Promotes mitochondrial protection and function
- Helps maintain balanced immune-system activity
- Supports cellular repair during oxidative stress
- Promotes long-term cellular resilience

TARGET AREAS

- ANTIOXIDANT DEFENSE
- CELLULAR RESILIENCE
- IMMUNE SUPPORT
- INFLAMMATION BALANCE
- REDOX BALANCE
- HEALTHY AGING
- MITOCHONDRIAL HEALTH
- DETOXIFICATION

HOW IT WORKS

REDOX BUFFER
Balances reduced and oxidized glutathione to maintain cellular redox stability.

ROS NEUTRALIZATION
Helps antioxidant enzymes neutralize reactive oxygen species and peroxides.

DETOXIFICATION
Supports conjugation pathways that help process toxins and reactive compounds.

ANTIOXIDANT RECYCLING
Helps restore antioxidants such as vitamins C & E to active forms.

MITOCHONDRIAL PROTECTION
Helps protect mitochondrial membranes, energy production, and cell survival.

TOGETHER THESE MECHANISMS
Support antioxidant defense, detoxification, and cellular resilience during oxidative stress.

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

100-200 mg 3 x weekly
Cycle 8-12 weeks

PAIRS WELL WITH

- NAD+
- SS-31
- MOTS-c
- GHK-Cu
- BPC-157
- KPV

Co-Factors

- NAC
- Glycine
- Selenium
- Vitamin C
- Alpha-Lipoic Acid
- Riboflavin

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Glutathione's role in antioxidant defense, detoxification, redox regulation, and cellular survival is well established. Human studies show that it can raise glutathione levels, but absorption, clinical effects, and dosing vary. Injectable applications remain unapproved.

HCG

REPRODUCTIVE HORMONE SIGNAL

Fertility • Testosterone Production • Ovulation
Sperm Production • Reproductive Function



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

"hCG, or human chorionic gonadotropin hormone, acts like the body's ovulation and testosterone signal, activating reproductive tissue directly to support egg maturation in women and testosterone production in men."

-Professor Pep

See Notes Below

BENEFITS

- Stimulates natural testosterone production in the testes
- Helps preserve testicular function and fertility
- Supports sperm-production pathways in male fertility protocols
- Triggers final egg maturation and ovulation
- Supports ovarian hormone production after ovulation
- Helps maintain progesterone signaling during early pregnancy
- Has established clinical use in reproductive medicine

TARGET AREAS

- FERTILITY SUPPORT
- OVARIAN FUNCTION
- TESTICULAR FUNCTION
- SPERM PRODUCTION
- TESTOSTERONE PRODUCTION
- OVULATION SUPPORT
- PROGESTERONE SUPPORT
- REPRODUCTIVE HORMONES

HOW IT'S TAKEN

SUBCUTANEOUS & INTRAMUSCULAR

TYPICAL DOSING

200-500 IU 2-3 x weekly with TRT
1000-1500 IU 2-3 x weekly w/o TRT

HOW IT WORKS

REPRODUCTIVE RECEPTOR
Activates hormone receptors on the ovaries and testes.

TESTOSTERONE SIGNAL
Stimulates testicular cells responsible for testosterone production.

SPERM SUPPORT
Higher testicular testosterone helps support normal sperm production.

OVULATION TRIGGER
Mimics the natural hormone surge that completes egg maturation and triggers ovulation.

PROGESTERONE SUPPORT
Supports ovarian progesterone production after ovulation and during early pregnancy.

TOGETHER THESE MECHANISMS
Support testosterone production, fertility, ovulation, sperm, and reproductive hormone function.

PAIRS WELL WITH

- HMG
- Kisspeptin-10
- Testagen
- PT-141
- Oxytocin
- SS-31

Co-Factors

- Zinc
- Vitamin D3
- Selenium
- Omega-3
- Magnesium
- Folate

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

HORMONE & FERTILITY RISK – NOT FOR WEIGHT LOSS

hCG is an FDA-approved prescription hormone. hCG can overstimulate reproductive hormone production. In women, fertility protocols can cause ovarian hyperstimulation and multiple pregnancy; in men, excessive exposure may cause elevated estrogen, breast tenderness, acne, or fluid retention. Medical monitoring is required.

HGH

HUMAN GROWTH HORMONE

GH Signaling • IGF-1 • Tissue Growth
Protein Synthesis • Fat Metabolism • Recovery

"HGH is more than a growth signal. It activates the GH receptor and drives IGF-1 signaling that influences protein metabolism, fat metabolism, bone, and tissue growth."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE

BENEFITS

- Supports GH/IGF-1 signaling
- Promotes protein synthesis
- Supports lean tissue maintenance
- Promotes lipolysis and fat metabolism
- Supports bone and connective-tissue biology
- Supports tissue growth and repair
- Helps maintain body composition

TARGET AREAS

- GH SUPPORT
- LEAN MASS
- FAT LOSS
- BONE HEALTH
- JOINT HEALTH
- RECOVERY SUPPORT
- BODY COMPOSITION
- TISSUE REPAIR

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-4 IU daily

HOW IT WORKS

GROWTH HORMONE RECEPTOR
Binds the GH receptor and activates downstream JAK2/STAT and related signaling.

IGF-1 ACTIVATION
Stimulates hepatic and local IGF-1 production.

PROTEIN SIGNALING
Promotes amino-acid uptake and protein synthesis while reducing protein breakdown.

LIPOLYSIS
Stimulates fat mobilization through lipolytic pathways.

BONE & TISSUE GROWTH
Influences cartilage, bone, connective tissue, and broader tissue growth.

TOGETHER THESE MECHANISMS
Coordinate growth signaling, tissue maintenance, protein metabolism, and fat metabolism.

PAIRS WELL WITH

- CJC-1295
- Ipamorelin
- Sermorelin
- Tesamorelin

Co-Factors

- Protein
- Creatine
- Omega-3
- Vitamin D3
- Magnesium
- Electrolytes

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

HGH/Somatropin is an FDA-approved prescription hormone for specific growth-related and deficiency indications. Evidence does not support routine anti-aging, general-wellness, or performance use, and dosing should be medically individualized.

HMG

FERTILITY GONADOTROPIN HORMONE

Follicle Growth • Egg Maturation • Ovulation Support
Sperm Production • Fertility

"HMG provides both follicle-stimulating and luteinizing hormone activity, directly supporting ovarian follicle development in women and sperm production in men."

See Notes Below

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

BENEFITS

- Stimulates ovarian follicle growth and maturation
- Supports development of multiple eggs during fertility treatment
- Promotes estrogen production during follicular development
- Supports final hormone signaling before ovulation
- Supports sperm production in appropriate male fertility protocols
- Helps maintain testicular hormone signaling when paired with hCG
- Has established clinical use in assisted reproduction

TARGET AREAS

- HORMONAL SIGNALING
- OVARIAN FUNCTION
- FEMALE FERTILITY
- SPERM PRODUCTION
- FOLLICLE GROWTH
- OVULATION SUPPORT
- MALE FERTILITY
- EGG MATURATION

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

75 IU 1-3x weekly

HOW IT WORKS

FOLLICLE SIGNALING
FSH activity stimulates ovarian follicles to grow and mature.

ESTROGEN PRODUCTION
Supports ovarian cells that convert hormone precursors into estrogen.

LH-LIKE SIGNALING
Provides luteinizing activity that supports follicular maturation and ovarian hormone production.

SPERM PRODUCTION
In men, FSH activity supports the cells responsible for developing sperm.

TESTICULAR SIGNALING
When paired with hCG, supports testosterone production needed for spermatogenesis.

TOGETHER THESE MECHANISMS
Support follicle development, egg maturation, reproductive hormone production, and sperm.

PAIRS WELL WITH

- HCG
- Kisspeptin-10
- Testagen
- PT-141
- Oxytocin
- SS-31

Co-Factors

- Omega-3
- Vitamin D3
- Zinc
- Selenium
- Magnesium
- Folate

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

HMG/menotropins are FDA-approved for controlled ovarian stimulation in assisted reproduction. HMG can cause ovarian hyperstimulation syndrome (OHSS), ovarian enlargement, fluid shifts, blood clots, and multiple pregnancy. Treatment requires ultrasound and hormone monitoring, and hCG should be withheld if OHSS risk becomes excessive.

IPAMORELIN

SELECTIVE GROWTH HORMONE SECRETAGOGUE

Growth Hormone Support • Recovery • Lean Muscle
Sleep • Body Composition



PepTribe
SCIENCE • COMMUNITY • CLARITY

"Ipamorelin stands out because of its selectivity. Rather than broadly stimulating multiple hormone pathways, it primarily activates the ghrelin receptor to support natural growth hormone pulses while minimizing unwanted hormonal effects."

-Professor Pep

BENEFITS

- Supports natural growth hormone release
- Promotes healthy recovery following exercise
- Supports lean muscle maintenance
- Encourages healthy body composition
- Promotes restorative sleep quality
- Supports healthy IGF-1 production
- Supports healthy aging and recovery

HOW IT WORKS

GHRELIN RECEPTOR
Selectively activates ghrelin receptors to stimulate natural GH release.

GH PULSES
Supports physiologic GH pulses without continuous stimulation.

SELECTIVE SIGNALING
Designed to primarily stimulate GH with minimal effects on other pituitary hormones.

IGF-1 SUPPORT
Supports healthy IGF-1 production involved in tissue maintenance and recovery.

RECOVERY & BODY COMPOSITION
Supports recovery, lean body composition, and healthy aging.

TOGETHER THESE MECHANISMS
Selectively stimulate the ghrelin receptors to trigger natural GH pulses.

TARGET AREAS

- METABOLISM
- SLEEP QUALITY
- GH SUPPORT
- RECOVERY & HEALING
- LEAN MUSCLE GROWTH
- BODY COMPOSITION
- HEALTHY AGING
- PERFORMANCE & ENDURANCE

PAIRS WELL WITH

- CJC-1295 (No DAC)
- BPC-157
- TB-500
- Retatrutide
- MOTS-c
- SS-31

HOW IT'S TAKEN

SUBCUTANEOUS

Co-Factors

- Protein Intake
- Creatine
- Magnesium
- Zinc
- Vitamin D3
- Quality Sleep

TYPICAL DOSING

200–300 mcg 1–2x daily/nightly (fasted)
12 week cycle • 4 week break

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Preclinical studies support Ipamorelin's ability to selectively stimulate endogenous GH release through ghrelin receptor activation. Pharmacology is well characterized, long-term clinical outcome data remain limited. Considered an investigational research peptide.

KISSPEPTIN-10

REPRODUCTIVE HORMONE SIGNALING PEPTIDE

Reproductive Signaling • Fertility • Ovarian Function
Testicular Function • Hormonal Coordination

"Kisspeptin-10 acts upstream of reproductive hormones, activating the brain signal that tells the pituitary to release LH and FSH."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports natural GnRH signaling and reproductive-axis activity
- Promotes physiologic LH and FSH release
- Supports ovarian follicular and ovulatory signaling
- Supports testicular testosterone signaling
- Helps coordinate reproductive hormone feedback
- Supports fertility-related endocrine function
- Provides an upstream alternative to directly replacing sex hormones

TARGET AREAS

- HORMONAL SIGNALING
- SEXUAL FUNCTION
- OVARIAN FUNCTION
- SPERM PRODUCTION
- REPRODUCTIVE HEALTH
- FERTILITY SUPPORT
- TESTICULAR FUNCTION
- OVULATION SUPPORT

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

100-200 mcg every other day
Cycle 2-8 weeks on 4+ weeks off

HOW IT WORKS

KISS1R ACTIVATION
Binds KISS1R receptors on GnRH-producing neurons.

REPRODUCTIVE HORMONE SIGNAL
Triggers the brain signal (GnRH) that starts the reproductive hormone cascade.

SEX-HORMONE SIGNALING
Promotes the hormone signal (LH) that supports testosterone production and ovulation.

FERTILITY SIGNALING
Supports hormone signals (FSH) involved in egg development and sperm production.

REPRODUCTIVE HORMONE CASCADE
Coordinates brain, pituitary, and reproductive organ signaling.

TOGETHER THESE MECHANISMS
Activate upstream reproductive signaling to coordinate GnRH, LH, FSH, and gonadal function.

PAIRS WELL WITH

- Testagen
- Oxytocin
- PT-141
- SS-31
- NAD+
- hCG

Co-Factors

- Magnesium
- Omega-3
- Zinc
- Vitamin D3
- Selenium
- Quality Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Human studies confirm that kisspeptin-10 can stimulate GnRH, LH, and FSH signaling and support reproductive physiology. However, Kisspeptin-10 remains investigational, with no FDA-approved indication, standardized therapeutic dose, or established long-term safety.

KLOW

THE COMPLETE REGENERATIVE SYSTEM

Repair • Recovery • Immune Balance
Tissue Remodeling • Cellular Renewal



PepTribe
SCIENCE • COMMUNITY • CLARITY

"The best repair isn't driven by one signal, it's coordinated by many. KLOW brings together four peptides with complementary roles to create one of the most complete regenerative research stacks available today."

-Professor Pep

BENEFITS

- Supports whole-body tissue repair and recovery
- Promotes connective tissue remodeling
- Encourages healthy immune and inflammatory balance
- Supports skin, gut, and musculoskeletal health
- Enhances wound healing and structural integrity
- Helps optimize recovery following physical stress
- Promotes long-term regenerative health

HOW IT WORKS

BPC-157
Tendon Repair • Gut Protection • Angiogenesis
Tissue Recovery • Inflammation Balance

TB-500
Recovery • Cell Migration • Tissue Remodeling
Flexibility • Performance

KPV
Inflammation Control • Immune Balance • Barrier
Repair Gut • Protection • Tissue Recovery

GHK-CU
Collagen Support • Skin Renewal • Tissue Remodeling

TOGETHER THESE MECHANISMS
Create a comprehensive environment for repair, regeneration, and long-term tissue health.

TARGET AREAS

- RECOVERY & HEALING
- COLLAGEN SUPPORT
- INFLAMMATION REDUCTION
- GUT HEALTH
- SKIN HEALTH
- TISSUE REPAIR
- JOINT HEALTH
- BONE HEALTH

PAIRS WELL WITH

- ARA-290
- Thymosin Alpha-1
- SS-31
- LL-37
- MOTS-c
- Cartalax

HOW IT'S TAKEN

SUBCUTANEOUS

Co-Factors

- Vitamin C
- Omega-3
- Zinc
- Collagen Peptides
- Magnesium
- Protein Intake

TYPICAL DOSING

2 – 8 mg daily

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

The KLOW stack combines four investigational peptides with complementary mechanisms supported primarily by preclinical and mechanistic research. It should be viewed as an experimental regenerative research protocol.

KPV

IMMUNE & GUT BARRIER PEPTIDE

Gut Protection • Immune Balance • Barrier Repair
Inflammation Control • Tissue Recovery

"KPV doesn't simply suppress inflammation, it helps restore immune balance while protecting epithelial barriers. That's why its greatest potential may lie in calming inflammation without broadly suppressing immune function."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports healthy gastrointestinal barrier integrity
- Helps maintain a balanced inflammatory response
- Promotes intestinal epithelial repair
- Supports skin and mucosal tissue health
- Helps regulate pro-inflammatory signaling pathways
- Supports recovery from inflammatory tissue stress
- Encourages healthy immune system balance

HOW IT WORKS

NF-κB MODULATION
Helps regulate NF-κB signaling to reduce excessive inflammatory mediator production.

GUT BARRIER SUPPORT
Supports intestinal epithelial integrity and healthy barrier function.

PEPT1 TARGETING
Utilizes intestinal peptide transport pathways to concentrate activity within inflamed gut tissue.

IMMUNE BALANCE
Supports balanced cytokine signaling while preserving normal immune function.

TISSUE RECOVERY
Supports epithelial repair and recovery following inflammatory stress.

TOGETHER THESE MECHANISMS
Support immune balance, gut barrier integrity, and healthy tissue recovery.

TARGET AREAS

- RECOVERY & HEALING
- BARRIER PROTECTION
- INFLAMMATION REDUCTION
- GUT HEALTH
- SKIN HEALTH
- TISSUE REPAIR
- IMMUNE SUPPORT
- MUCOSAL HEALTH

PAIRS WELL WITH

- TB-500
- BPC-157
- GHK-CU
- Thymosin Alpha-1
- LL-37
- ARA-290

HOW IT'S TAKEN

ORAL • SUBCUTANEOUS • TOPICAL

Co-Factors

- L-Glutamine
- Zinc Carnosine
- Omega-3
- Probiotics
- Vitamin D3
- Butyrate

TYPICAL DOSING

200–500+ mcg daily
Cycle 8-12 weeks

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Strong preclinical evidence supports KPV's role in immune regulation, gut barrier protection, and inflammatory signaling. Human clinical evidence remains very limited, and KPV should currently be viewed as an investigational research peptide.

LIVAGEN

LIVER PEPTIDE BIOREGULATOR

Liver Function • Cellular Renewal • Protein Synthesis
GI Support • Healthy Aging

"Livagen is unusual because it appears to work at the level of chromatin, reopening age-silenced genetic regions that regulate protein production and cellular function."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy liver-cell function and resilience
- May restore age-related protein-synthesis activity
- Supports liver-cell renewal and biosynthetic capacity
- May help normalize age-disrupted cellular rhythms
- Supports gastrointestinal mucosal protection
- May support age-related immune-cell function
- Influences gene-expression programs involved in cell activity

TARGET AREAS

- LIVER HEALTH
- HEPATIC FUNCTION
- CELLULAR RENEWAL
- MUCOSAL HEALTH
- GENE REGULATION
- GI PROTECTION
- IMMUNE SUPPORT
- HEALTHY AGING

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

HOW IT WORKS

CHROMATIN OPENING
Decondenses compacted DNA regions, increasing access to previously silenced genes.

GENE REGULATION
Modulates transcription involved in cellular activity, stress response, and protein production.

RIBOSOMAL ACTIVATION
Reactivates ribosomal genes needed for cellular protein synthesis.

HEPATIC SUPPORT
In aged hepatocyte models, increases protein-production capacity and cellular activity.

GI SIGNALING
May influence vagal, nitric-oxide, prostaglandin, and opioid pathways supporting mucosal protection.

TOGETHER THESE MECHANISMS
Restore cellular activity by reopening gene programs supporting protein synthesis, liver function, & resilience.

PAIRS WELL WITH

- KLOW
- MOTS-c
- NAD+
- Thymosin Alpha-1
- Glutathione
- SS-31

Co-Factors

- Omega-3
- Vitamin D3
- NAC
- Selenium
- Magnesium
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Livagen has in vitro, animal, ex vivo, and small human evidence for chromatin regulation, protein synthesis, liver-cell function, and immune-cell activity. Large modern randomized trials and standardized clinical dosing are lacking. Livagen alters chromatin and gene-expression activity. Long-term effects on abnormal cell growth and oncologic risk have not been established.

LL-37

ANTIMICROBIAL HOST-DEFENSE PEPTIDE

Antimicrobial Defense • Immune Regulation
Barrier Protection • Wound Repair • Tissue Defense

"LL-37 is part of the body's built-in defense system, combining direct antimicrobial activity with immune signaling and tissue-repair support."

See Notes Below

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports broad antimicrobial defense
- Helps disrupt bacterial and fungal membranes
- May support reduced biofilm formation
- Supports immune-cell antimicrobial activity
- Promotes wound healing and re-epithelialization
- Supports barrier and epithelial defense
- Helps coordinate inflammatory signaling during infection or injury

TARGET AREAS

- ANTIMICROBIAL DEFENSE
- IMMUNE SUPPORT
- BARRIER PROTECTION
- MUCOSAL HEALTH
- INFLAMMATORY BALANCE
- WOUND HEALING
- EPITHELIAL REPAIR
- CELLULAR RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

100-200 mcg daily
Cycle 2-6 weeks on 2-4 weeks off

HOW IT WORKS

MICROBIAL MEMBRANE DISRUPTION
Binds microbial membranes and creates structural damage that can lead to cell death.

ANTI-BIOFILM ACTIVITY
Helps limit biofilm formation and supports microbial clearance.

IMMUNE REGULATION
Modulates neutrophil and macrophage activity during host defense.

BARRIER DEFENSE
Supports epithelial and mucosal protection during microbial stress.

WOUND REPAIR
Promotes keratinocyte and fibroblast migration, angiogenesis, and re-epithelialization.

TOGETHER THESE MECHANISMS
Support antimicrobial defense, immune coordination, barrier protection, and tissue repair.

PAIRS WELL WITH

- Thymosin Alpha-1
- KLOW
- SS-31
- Glutathione
- VIP
- Bronchogen

Co-Factors

- Zinc
- Vitamin D3
- NAC
- Omega-3
- Magnesium
- Vitamin C

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

LL-37 has extensive mechanistic and preclinical evidence for antimicrobial, immune-regulating, and wound-healing activity. Higher LL-37 exposure can damage human cells and may worsen inflammatory or autoimmune signaling in some contexts. Systemic dosing and long-term safety are not established.

MELANOTAN I

PIGMENTATION & PHOTOPROTECTION PEPTIDE

Skin Pigmentation • Photoprotection
Eumelanin Production • UV Resilience • Skin Defense

"Melanotan I increases protective eumelanin by activating melanocortin signaling in pigment-producing skin cells."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Promotes increased eumelanin production
- Supports darker skin pigmentation
- Improves natural photoprotective capacity
- Helps absorb and scatter ultraviolet radiation
- Supports antioxidant defense within pigmented skin
- Increases tolerance to light exposure in approved EPP use
- May support healthier pigment response in photosensitive skin

HOW IT WORKS

MC1R ACTIVATION
Activates melanocortin receptors on pigment-producing skin cells.

EUMELANIN PRODUCTION
Increases production of darker, UV-absorbing eumelanin pigment.

MELANIN TRANSFER
Supports formation and transfer of pigment into surrounding skin cells.

UV DEFENSE
Eumelanin absorbs and scatters ultraviolet radiation before it reaches deeper tissue.

OXIDATIVE PROTECTION
Pigment-associated defenses help reduce light-induced oxidative stress.

TOGETHER THESE MECHANISMS
Increase protective pigmentation and improve the skin's resistance to light exposure.

TARGET AREAS

- SKIN PIGMENTATION
- EUMELANIN PRODUCTION
- SKIN DEFENSE
- SKIN HEALTH
- PHOTO-PROTECTION
- UV RESILIENCE
- LIGHT TOLERANCE
- OXIDATIVE PROTECTION

PAIRS WELL WITH

- KLOW
- GHK-Cu
- KPV
- Glutathione
- Thymosin Alpha-1
- ARA-290

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

250-500 mcg daily 10-14 days loading
250-500 mcg 1-2 x weekly maintenance

Co-Factors

- Vitamin C
- Vitamin A
- Zinc
- Copper
- Omega-3
- Hydration

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Afamelanotide is FDA and EMA-approved as SCENESSE to increase pain-free light exposure in adults with erythropoietic protoporphyria. Cosmetic tanning use is unapproved, lacks established safety and dosing standards.

MELANOTAN II

MULTI-RECEPTOR MELANOCORTIN PEPTIDE

Skin Pigmentation • Sexual Arousal • Appetite Regulation
Eumelanin Production • Energy Balance



PepTribe
SCIENCE • COMMUNITY • CLARITY

"Melanotan II activates several melanocortin receptors, so its effects extend beyond pigmentation into sexual arousal, appetite, and central nervous-system signaling."

See Notes Below

-Professor Pep

BENEFITS

- Increases eumelanin and skin pigmentation
- Supports darker tanning response with less UV exposure
- Can increase sexual arousal and erectile response
- May reduce appetite and food intake
- Influences reward and motivation pathways
- May increase thermogenic and energy-balance signaling
- Has demonstrated melanocortin activity in human & animal research

HOW IT WORKS

MC1R ACTIVATION
Stimulates melanocytes to increase eumelanin production and skin pigmentation.

MC3/MC4 SIGNALING
Activates central melanocortin pathways involved in arousal, appetite, and reward.

SEXUAL RESPONSE
Influences hypothalamic and spinal circuits involved in erection and sexual arousal.

APPETITE SIGNALING
Can reduce food intake through central melanocortin pathways.

ENERGY BALANCE
May influence thermogenesis and energy expenditure in experimental models.

TOGETHER THESE MECHANISMS
Increase pigmentation while also affecting sexual response, appetite, reward, and energy balance.

TARGET AREAS

- SKIN PIGMENTATION
- SEXUAL AROUSAL
- ERECTILE FUNCTION
- REWARD SIGNALING
- EUMELANIN PRODUCTION
- UV RESILIENCE
- APPETITE REGULATION
- ENERGY REGULATION

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

250-500 mcg daily 10-14 days loading
250-500 mcg 1-2 x weekly maintenance

PAIRS WELL WITH

- KLOW
- SS-31
- Testagen
- hCG
- Oxytocin
- Kisspeptin-10

Co-Factors

- Vitamin C
- Vitamin E
- Zinc
- Copper
- Omega-3
- Magnesium

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Melanotan II has small human and preclinical studies supporting pigmentation and sexual-arousal effects, but it is not FDA-approved. It has been linked to priapism, kidney injury, atypical or changing moles, and serious neurologic or cardiovascular events. Long-term cancer risk is uncertain, and regulators warn against unapproved use.

METHYLENE BLUE

MITOCHONDRIAL REDOX COMPOUND

Mitochondrial Function • Cellular Energy
Redox Balance• Brain Energy • Cognitive Resilience



PepTribe
SCIENCE • COMMUNITY • CLARITY

SMALL MOLECULE

"Methylene blue is unusual because it can cycle between oxidized and reduced forms, allowing it to shuttle electrons and influence mitochondrial energy production."

-Professor Pep

See Notes Below

BENEFITS

- Supports mitochondrial electron-transfer efficiency
- Promotes cellular energy production under metabolic stress
- Supports healthy redox and oxidative balance
- May enhance brain energy metabolism and neuronal resilience
- Has shown effects on memory-related brain activity
- Supports cellular respiration through mitochondrial redox cycling
- Restores normal hemoglobin function.

TARGET AREAS

- CELLULAR ENERGY
- MITOCHONDRIAL HEALTH
- REDOX BALANCE
- OXIDATIVE PROTECTION
- BRAIN HEALTH
- MEMORY
- COGNITIVE PERFORMANCE
- CELLULAR RESILIENCE

HOW IT'S TAKEN

ORAL LIQUID

TYPICAL DOSING

Up to 10mg (20 drops) daily

HOW IT WORKS

ELECTRON SHUTTLING
Cycles between oxidized and reduced forms to transfer electrons within mitochondria.

CELLULAR RESPIRATION
Supports electron flow through pathways involved in mitochondrial oxygen utilization.

ENERGY PRODUCTION
May improve mitochondrial efficiency and ATP-generating capacity at low concentrations.

REDOX BALANCE
Accepts and donates electrons, helping regulate cellular oxidative conditions.

BRAIN METABOLISM
Crosses into the brain and may support energy-demanding neuronal activity.

TOGETHER THESE MECHANISMS
Support electron flow, cellular energy production, redox balance, and neuronal resilience.

PAIRS WELL WITH

- MOTS-c
- NAD+
- Pinealon
- ARA-290
- Glutathione
- SS-31

Co-Factors

- Creatine
- CoQ10
- Riboflavin (B2)
- Omega-3
- Magnesium
- Alpha-Lipoic Acid

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Methylene blue is FDA-approved for acquired methemoglobinemia. Do not combine with serotonergic medications without physician approval. SSRIs, SNRIs, MAOIs, certain antidepressants and opioids may cause a potentially life-threatening interaction. Contraindicated in G6PD deficiency.

MK-677

ORAL GROWTH HORMONE SECRETAGOGUE

GH Release • IGF-1 Signaling
Lean Mass • Appetite • Recovery

"MK-677 mimics ghrelin to raise GH and IGF-1 orally, but its long activity also increases appetite and can disrupt glucose, cortisol, and prolactin signaling."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

SMALL MOLECULE

BENEFITS

- Reliably increases endogenous growth-hormone secretion
- Raises circulating IGF-1 concentrations
- Supports increases in fat-free mass
- May help preserve lean tissue during calorie restriction
- Supports anabolic and recovery signaling
- May influence sleep architecture and nighttime recovery
- Increases markers of bone turnover and remodeling

TARGET AREAS

- BODY COMPOSITION
- APPETITE SIGNALING
- LEAN MASS
- RECOVERY SUPPORT
- GH RELEASE
- GROWTH SIGNALING
- SLEEP QUALITY
- BONE REMODELING

HOW IT'S TAKEN

ORAL

TYPICAL DOSING

10–25 mg daily
Cycle 8–16 weeks

HOW IT WORKS

GHRELIN RECEPTOR
Activates GHS-R1a receptors that regulate appetite and growth-hormone release.

GH RELEASE
Stimulates release of stored growth hormone from the pituitary.

SOMATOSTATIN EFFECT
Ghrelin-pathway signaling may reduce inhibitory somatostatin tone, amplifying GH release.

IGF-1 SIGNALING
Increased GH drives downstream hepatic IGF-1 production and anabolic signaling.

SUSTAINED SIGNALING
Its long activity produces prolonged ghrelin-receptor stimulation rather than a short pulse.

TOGETHER THESE MECHANISMS
Raise GH & IGF-1 through ghrelin signaling while affecting appetite, glucose, and pituitary hormones.

PAIRS WELL WITH

- KLOW
- MOTS-c
- NAD+
- ARA-290
- Glutathione
- SS-31

Co-Factors

- Creatine
- Protein Intake
- NAC
- Quality Sleep
- Magnesium
- Vitamin D3

STORAGE & HANDLING

Store in a cool, dry place at room temperature, protected from heat, moisture, and direct light. Keep tightly sealed in the original container. Refrigeration is generally not required for properly manufactured capsules or tablets.

EVIDENCE LEVEL

Multiple human trials show reliable increases in GH, IGF-1, and fat-free mass. Functional strength gains have not been demonstrated, and long-term metabolic and cardiovascular concerns remain. May raise fasting glucose, reduce insulin sensitivity, increase appetite, cause water retention, and elevate prolactin or cortisol during prolonged use.

MOTS-C

MITOCHONDRIAL METABOLIC PEPTIDE

Metabolic Health • Mitochondrial Function
Energy Production • Exercise Adaptation • Body Comp



PepTribe
SCIENCE • COMMUNITY • CLARITY

"MOTS-c doesn't tell the body to burn more calories—it teaches cells to use energy more efficiently. Think of it as a mitochondrial messenger that helps your metabolism adapt to stress, much like the benefits of regular exercise."

-Professor Pep

BENEFITS

- Supports healthy mitochondrial function
- Promotes metabolic flexibility
- Supports healthy insulin sensitivity
- Encourages efficient energy production
- Supports healthy body composition
- Promotes exercise adaptation and endurance
- Supports healthy aging and metabolic resilience

TARGET AREAS

- METABOLISM
- ENERGY PRODUCTION
- ACTIVE PERFORMANCE
- HEALTHY AGING
- INSULIN SENSITIVITY
- BODY COMPOSITION
- PERFORMANCE & ENDURANCE
- MITOCHONDRIAL HEALTH

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1 mg daily or
2 - 5 mg 2 -3 times weekly

HOW IT WORKS

MITOCHONDRIAL SIGNALING
Acts as a mitochondrial messenger that regulates cellular metabolism.

AMPK ACTIVATION
Supports AMPK signaling to promote healthy energy balance and metabolic adaptation.

METABOLIC FLEXIBILITY
Helps cells efficiently switch between carbohydrate and fat utilization.

INSULIN SENSITIVITY
Supports healthy glucose uptake and insulin responsiveness.

EXERCISE ADAPTATION
Promotes cellular adaptations associated with physical activity and metabolic resilience.

TOGETHER THESE MECHANISMS
Support efficient energy metabolism, metabolic flexibility, and healthy body composition.

PAIRS WELL WITH

- CJC / Ipamorelin
- Tesamorelin
- AOD-9604
- Retatrutide
- 5-Amino-1MQ
- SS-31

Co-Factors

- Protein Intake
- Creatine
- Magnesium
- CoQ10
- Alpha-Lipoic Acid
- Resistance Training

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Early human studies suggest MOTS-c supports mitochondrial signaling, insulin sensitivity, metabolic flexibility, and exercise adaptation. MOTS-c should currently be considered an investigational research peptide.

NAD+

CELLULAR ENERGY & REPAIR COENZYME

Cellular Energy • Mitochondrial Health • DNA Repair
Metabolic Function • Healthy Aging



PepTribe
SCIENCE • COMMUNITY • CLARITY

"NAD+ is cellular currency. It helps transfer energy, supports DNA repair, and powers enzymes that coordinate how cells respond to stress and aging."
-Professor Pep

BENEFITS

- Supports cellular energy production
- Promotes healthy mitochondrial function
- Supports DNA repair pathways
- Helps maintain cellular redox balance
- Supports healthy metabolic function
- Promotes cellular stress resilience
- Supports healthy aging pathways

TARGET AREAS

- RECOVERY & HEALING
- ENERGY PRODUCTION
- CELLULAR REPAIR
- HEALTHY AGING
- BRAIN HEALTH
- METABOLISM
- PERFORMANCE & ENDURANCE
- MITOCHONDRIAL HEALTH

HOW IT'S TAKEN

IV • SUBCUTANEOUS
ORAL PRECURSORS

TYPICAL DOSING

SubQ 50 – 100 mg once daily

HOW IT WORKS

REDOX TRANSFER
Transfers electrons between NAD+ and NADH during energy metabolism.

ATP PRODUCTION
Supports glycolysis, the TCA cycle, and mitochondrial respiration.

SIRTUIN ACTIVITY
Supplies NAD+ to enzymes involved in metabolism and stress response.

DNA REPAIR
Supports PARP enzymes that help detect and repair DNA damage.

CELLULAR RESILIENCE
Links energy availability with repair, adaptation, and cell survival.

TOGETHER THESE MECHANISMS
Support cellular energy, DNA repair, and resilience during metabolic stress.

PAIRS WELL WITH

- SS-31
- MOTS-c
- GHK-Cu
- 5-Amino-1MQ
- Epitalon
- Semax

Co-Factors

- Magnesium
- Creatine
- Riboflavin
- CoQ10
- Alpha-Lipoic Acid
- Quality Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Human studies show that oral precursors can increase NAD+ levels, but consistent clinical benefits remain under investigation. Evidence for direct IV or injectable NAD+ is limited, and compounded injectable products carry quality and safety concerns.

OVAGEN

LIVER & GI PEPTIDE BIOREGULATOR

Liver Health • Detoxification • GI Protection
Mucosal Health • Cellular Renewal

"Ovagen supports liver and gastrointestinal resilience by influencing gene programs involved in cellular renewal, protein synthesis, and mucosal protection."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy liver-cell function and resilience
- Promotes recovery following hepatic stress
- Supports normal protein-synthesis activity
- Encourages gastrointestinal mucosal integrity
- Helps maintain healthier inflammatory signaling
- May support balanced fibrosis-related pathways
- Promotes long-term liver and GI tissue health

TARGET AREAS

- LIVER HEALTH
- HEPATIC RECOVERY
- GI PROTECTION
- MUCOSAL HEALTH
- DETOXIFICATION
- INFLAMMATORY BALANCE
- HEALTHY AGING
- CELLULAR RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg nightly for 10-20 days
Cycled 2-4 times a year

HOW IT WORKS

CHROMATIN ACCESS
May open compacted DNA regions and reactivate age-silenced cellular programs.

GENE REGULATION
Influences transcription involved in liver metabolism, stress response, and repair.

PROTEIN SYNTHESIS
Supports ribosomal activity and healthy protein production in target cells.

MUCOSAL PROTECTION
Helps maintain gastrointestinal epithelial integrity and barrier function.

FIBROSIS BALANCE
May regulate signaling involved in excessive hepatic scarring and remodeling.

TOGETHER THESE MECHANISMS
Support liver resilience, gastrointestinal protection, and healthier cellular renewal.

PAIRS WELL WITH

- Livagen
- KPV
- BPC-157
- NAD+
- SS-31
- Glutathione

Co-Factors

- NAC
- Glycine
- Selenium
- Alpha-Lipoic Acid
- Choline
- Omega-3

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Cellular, animal & regional research suggests Ovagen supports liver resilience, gastrointestinal mucosal integrity, protein synthesis, & fibrosis-related signaling. Controlled human efficacy, standardized dosing, and long-term safety remain poorly established.

OXYTOCIN

SOCIAL & REPRODUCTIVE NEUROPEPTIDE

Social Bonding • Emotional Connection • Sexual Function
Stress Regulation • Reproductive Signaling

"Oxytocin connects social and reproductive biology, coordinating bonding, emotional signaling, sexual response, and smooth-muscle contraction through one receptor system."

See Notes Below -Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

BENEFITS

- Supports healthy social bonding and connection
- Promotes emotional recognition and social awareness
- Supports intimacy and healthy sexual response
- May help regulate stress-related emotional signaling
- Supports maternal bonding and lactation physiology
- Coordinates reproductive smooth-muscle activity
- May support social functioning in research settings

TARGET AREAS

- SOCIAL BONDING
- SEXUAL FUNCTION
- SOCIAL AWARENESS
- MOOD
- REPRODUCTIVE HEALTH
- MATERNAL FUNCTION
- EMOTIONAL CONNECTION
- STRESS REGULATION

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

Nasal: 100-400 mcg daily or as needed

HOW IT WORKS

OXYTOCIN RECEPTOR
Activates Gq-coupled oxytocin receptors throughout the brain and body.

SOCIAL SIGNALING
Modulates neural pathways involved in bonding, trust, and social recognition.

STRESS RESPONSE
Influences limbic and HPA-axis signaling involved in emotional stress.

SEXUAL FUNCTION
Supports arousal, orgasm-related signaling, and reproductive contractions.

SMOOTH MUSCLE
Raises intracellular calcium to contract uterine and mammary smooth muscle.

TOGETHER THESE MECHANISMS
Coordinate social behavior, emotional, reproductive, and smooth-muscle activity.

PAIRS WELL WITH

- Selank
- Semax
- DSIP
- Kisspeptin
- NAD+
- PT-141

Co-Factors

- Magnesium
- Omega-3
- Zinc
- Vitamin D3
- L-Theanine
- Quality Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Synthetic oxytocin is FDA-approved for specific obstetric uses. Systemic oxytocin can cause excessive uterine contractions, fetal distress, uterine rupture, cardiovascular effects, and water intoxication when improperly dosed. Obstetric use requires medical supervision and continuous monitoring.

P21

NEUROTROPHIC & COGNITIVE PEPTIDE

Focus • Memory • Neuroplasticity
Learning • Neurogenesis • Cognitive Resilience



PepTribe
SCIENCE • COMMUNITY • CLARITY

"P21 is interesting because it targets the biology behind learning and memory; supporting neurogenesis, synaptic plasticity, and neurotrophic signaling rather than simply stimulating the brain."

-Professor Pep

BENEFITS

- Supports neurogenesis and neuronal maturation
- Supports learning and memory
- Promotes synaptic plasticity
- Supports dendritic and synaptic structure
- Supports BDNF-related neurotrophic signaling
- May support cognitive resilience
- Investigated for age-related cognitive decline

TARGET AREAS

- COGNITIVE PERFORMANCE
- MEMORY
- NEURO-PLASTICITY
- COGNITIVE BALANCE
- BRAIN HEALTH
- LEARNING
- NEUROLOGICAL RECOVERY
- SYNAPTIC HEALTH

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

Nasal 500-1,000 mcg 1-2x daily
SubQ 100-500 mcg daily
Cycled 4–6 weeks

HOW IT WORKS

NEUROTROPHIC SIGNALING
Supports pathways involved in neuronal growth and survival.

BDNF SUPPORT
Promotes BDNF-related signaling associated with neuroplasticity.

NEUROGENESIS
Supports formation and maturation of new neurons.

SYNAPTIC PLASTICITY
Supports adaptive changes in neuronal connections.

COGNITIVE SIGNALING
Supports pathways involved in learning and memory.

TOGETHER THESE MECHANISMS
Support neurogenesis, synaptic plasticity, and cognitive resilience.

PAIRS WELL WITH

- Semax
- Selank
- SS-31
- NAD+
- PE-22-28
- Epitalon

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- Citicoline
- Phosphatidylserine
- NAC

STORAGE & HANDLING

Store according to the research formulation's instructions in a cool, dry environment protected from heat, light, and moisture.

EVIDENCE LEVEL

Primarily preclinical evidence from animal models. Studies report effects on neurogenesis, synaptic plasticity, BDNF signaling, and cognition, but controlled human clinical evidence and validated long-term safety data are lacking

PANCRAGEN

PANCREATIC PEPTIDE BIOREGULATOR

Pancreatic Function • Insulin Support
Glucose Regulation • Cellular Renewal • Metabolic Health

"Pancragen is designed to influence pancreatic gene activity, supporting the cells responsible for insulin production, digestive function, and tissue renewal."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy pancreatic cell function
- Promotes insulin-producing beta-cell activity
- Supports balanced glucose-regulation pathways
- Encourages pancreatic cell differentiation and renewal
- Supports healthy exocrine digestive function
- May help normalize pancreatic cellular turnover
- Supports pancreatic resilience during aging and metabolic stress

TARGET AREAS

- PANCREATIC HEALTH
- INSULIN SUPPORT
- PANCREATIC RENEWAL
- TISSUE REMODELING
- GLUCOSE REGULATION
- METABOLIC HEALTH
- HEALTHY AGING
- CELLULAR RESILIENCE

HOW IT WORKS

GENE REGULATION
Influences pancreatic gene-expression programs involved in cell function and differentiation.

BETA-CELL SUPPORT
Supports insulin-producing pancreatic cells and healthy islet activity.

CELL DIFFERENTIATION
Promotes maturation of endocrine and digestive pancreatic cell types.

TISSUE REMODELING
Influences matrix-remodeling pathways involved in pancreatic tissue renewal.

PANCREATIC BALANCE
Helps regulate proliferation, apoptosis, and functional cell composition.

TOGETHER THESE MECHANISMS
Support pancreatic cell function, tissue renewal, insulin signaling, and metabolic resilience.

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

PAIRS WELL WITH

- MOTS-c
- SS-31
- NAD+
- Glutathione
- Ovagen
- 5-Amino-1MQ

Co-Factors

- Magnesium
- Omega-3
- Zinc
- Vitamin D3
- Chromium
- Berberine

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Cell and animal studies suggest Pancragen may influence pancreatic gene expression, beta-cell function, cellular differentiation, and tissue remodeling. Human evidence remains limited, with no large controlled trials, validated dosing, or established long-term safety.

PE-22-28

TREK-1-TARGETING MOOD PEPTIDE

Mood Regulation • Emotional Resilience • Neurogenesis
Synaptic Health • Brain Plasticity



PepTribe
SCIENCE • COMMUNITY • CLARITY

"PE-22-28 targets the TREK-1 potassium channel, linking mood regulation with new neuron growth and stronger synaptic connections."

-Professor Pep

BENEFITS

- Supports healthy mood-related neural signaling
- Promotes emotional resilience during mental stress
- Encourages the development of new neurons
- Supports stronger communication between brain cells
- Promotes adaptive synaptic plasticity and connectivity
- May support learning and cognitive flexibility
- Supports long-term neurological resilience

TARGET AREAS

- NEURO-PLASTICITY
- STRESS RESILIENCE
- NEUROGENESIS
- SYNAPTIC HEALTH
- BRAIN HEALTH
- MOOD
- COGNITIVE BALANCE
- EMOTIONAL REGULATION

HOW IT WORKS

TREK-1 BLOCKADE
Selectively inhibits TREK-1 potassium-channel activity in neural cells.

NEURAL EXCITABILITY
May shift neuronal signaling toward healthier mood-related activity.

NEUROGENESIS
Promotes new neuron development in preclinical brain models.

SYNAPTOGENESIS
Supports the formation of stronger functional connections between neurons.

EXTENDED ACTIVITY
Shows longer-lasting preclinical activity than the original spadin peptide.

TOGETHER THESE MECHANISMS
Support mood-related signaling, neurogenesis, and stronger neural connectivity.

PAIRS WELL WITH

- Selank
- Semax
- Adamax
- DSIP
- SS-31
- NAD+

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- Phosphatidylserine
- NAC
- Consistent Sleep

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

100–500 mcg daily
Nasal 100-500 1-2x daily

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Studies show that PE-22-28 selectively inhibits TREK-1, promotes neurogenesis and synaptic-marker expression, and produces antidepressant-like effects. However, human safety, pharmacokinetics, clinical efficacy, and standardized dosing remain unestablished.

PINEALON

NEURAL PEPTIDE BIOREGULATOR

Brain Health • Neuroprotection • Memory
Cognitive Resilience • Healthy Aging

"Pinealon supports aging neurons by influencing gene activity, oxidative balance, and cellular-survival pathways tied to cognitive function."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy neuronal function during aging
- Promotes protection from oxidative cellular stress
- Supports healthy memory and cognitive performance
- Helps maintain attention and mental processing
- May reduce excessive neuronal apoptosis signaling
- Supports neurological resilience after brain stress
- Promotes healthier long-term brain aging

TARGET AREAS

- COGNITIVE RESILIENCE
- MEMORY
- NEUROLOGICAL RECOVERY
- COGNITIVE PERFORMANCE
- BRAIN HEALTH
- NEURO-PROTECTION
- HEALTHY AGING
- CELLULAR RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

2 mg daily for 10-20 days
Cycled 2-4 times a year

HOW IT WORKS

GENE REGULATION
May influence neuronal gene activity involved in function and survival.

OXIDATIVE BALANCE
Helps limit excessive reactive oxygen species in stressed neural cells.

CELL SURVIVAL
May reduce apoptosis and necrotic death during cellular stress.

SYNTHESIS
Supports proteins involved in maintaining healthy neuronal activity.

COGNITIVE RESILIENCE
May help preserve memory and processing during neurological aging.

TOGETHER THESE MECHANISMS
Support neuronal protection, cognitive resilience, and healthier brain aging.

PAIRS WELL WITH

- Cortagen
- Semax
- Epitalon
- NAD+
- SS-31
- Selank

Co-Factors

- NAC
- Vitamin B12
- Omega-3
- Magnesium
- Citicoline
- Phosphatidylserine

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Pinealon may regulate neuronal gene activity, reduce oxidative stress, and support cell survival. Limited human reports describe cognitive and neurological benefits, but modern controlled trials, validated dosing, and long-term safety data remain lacking.

PNC-27

CANCER-TARGETING MEMBRANE PEPTIDE

Cancer Targeting • Membrane Lysis • HDM2 Binding
Tumor Research • Cell Death

"PNC-27 targets HDM2 on cancer-cell membranes and appears to kill by physically forming membrane pores rather than relying on conventional apoptosis."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Selectively targets HDM2 in studied cancer cells
- Forms pores within cancer-cell plasma membranes
- Causes rapid membrane lysis and necrotic cell death
- Has spared several untransformed cell types in laboratory models
- Demonstrated activity across multiple cancer-cell models
- Reduced tumor burden in several animal studies
- Has shown preclinical synergy with paclitaxel in ovarian-cancer models

TARGET AREAS

- BREAST CANCER
- PANCREATIC CANCER
- CANCER CELLS
- HDM2 TARGETING
- OVARIAN CANCER
- COLON CANCER
- TUMOR MEMBRANE
- CELL LYSIS

HOW IT WORKS

HDM2 TARGETING
Binds HDM2 expressed on the surface of susceptible cancer cells.

MEMBRANE BINDING
The p53-derived region anchors the peptide to membrane-associated HDM2.

PORE FORMATION
Peptide–HDM2 complexes organize into membrane-disrupting pore structures.

MEMBRANE LYSIS
Loss of membrane integrity causes rapid leakage and cell destruction.

NECROTIC DEATH
Kills primarily through membranolytic necrosis rather than classical apoptosis.

TOGETHER THESE MECHANISMS
Targets membrane HDM2 and forms destructive pores that rapidly lyse susceptible cancer cells.

PAIRS WELL WITH

- Chemotherapy
- Thymosin Alpha-1

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

100-500 mcg daily
Cycle 8–12 weeks

Research Monitoring

- CBC
- CMP
- Kidney Function
- Liver Function
- Tumor Imaging
- Oncology Oversight

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

PNC-27 has substantial cell-culture, ex-vivo, and animal evidence showing HDM2-dependent cancer-cell membrane lysis. Human safety, dosing, pharmacokinetics, and long-term toxicity are unknown. PNC-27 should not be presented as an established cancer treatment or substituted for oncology-directed therapy.

PROSTAMAX

PROSTATE PEPTIDE BIOREGULATOR

Prostate Health • Urinary Function • Prostate Resilience
Male Reproductive Health • Healthy Aging

"Prostamax is designed as a prostate-specific bioregulator, using short-peptide signaling to influence cellular gene activity rather than directly altering testosterone."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy prostate tissue function
- Supports age-related prostate resilience
- May help maintain normal prostate cellular activity
- Supports healthy urinary function associated with prostate health
- May influence age-related gene-expression patterns
- Supports prostate tissue homeostasis and cellular balance
- Provides prostate-specific support without acting as a sex hormone

TARGET AREAS

- PROSTATE HEALTH
- PROSTATE FUNCTION
- MALE WELLNESS
- CELLULAR BALANCE
- TISSUE RESILIENCE
- URINARY FUNCTION
- HEALTHY AGING
- CELLULAR REGULATION

HOW IT WORKS

GENE REGULATION
May influence gene activity associated with age-related prostate cell function.

CHROMATIN ACTIVITY
Short-peptide signaling may help reopen age-silenced regions of cellular DNA.

CELLULAR BALANCE
Supports regulation of normal prostate-cell activity and tissue homeostasis.

TISSUE RESILIENCE
May help prostate tissue maintain function during age-related cellular stress.

PROSTATE SUPPORT
Targets regulatory pathways associated with maintaining healthy prostate tissue.

TOGETHER THESE MECHANISMS
Support prostate-specific cellular regulation, tissue resilience, and healthier age-related prostate function.

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

0.5-2 mg daily for 10-30 days
Cycled 2-4 times a year

PAIRS WELL WITH

- Kisspeptin-10
- hCG
- Testagen
- KLOW
- SS-31
- Glutathione

Co-Factors

- Zinc
- Vitamin D3
- Selenium
- Omega-3
- Magnesium
- Lycopene

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Prostamax has mechanistic human-cell evidence showing effects on chromatin organization and gene activity, with additional prostate-specific claims derived largely from the Khavinson research tradition. Controlled human trials of Prostamax are lacking. It is not FDA-approved.

PT-141

SEXUAL AROUSAL SIGNALING PEPTIDE

Sexual Desire • Arousal Signaling • Libido
Sexual Response • Intimacy



PepTribe
SCIENCE • COMMUNITY • CLARITY

"PT-141 works in the brain's sexual-arousal pathways, increasing desire and response without acting like testosterone or a traditional blood-flow medication."

-Professor Pep

See Notes Below

BENEFITS

- Supports sexual desire and arousal signaling
- May improve sexual response in appropriate patients
- Acts through central nervous-system pathways
- Does not require direct testosterone replacement
- Works differently from PDE5 erectile-dysfunction drugs
- May support libido in both male and female research settings
- Has an FDA-approved prescription form for a specific female sexual-desire disorder

TARGET AREAS

- SEXUAL DESIRE
- LIBIDO
- SEXUAL RESPONSE
- REPRODUCTIVE WELLNESS
- SEXUAL AROUSAL
- INTIMACY SUPPORT
- SENSORY RESPONSE
- BRAIN AROUSAL

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg before sexual activity
8 dose monthly MAX

HOW IT WORKS

MELANOCORTIN SIGNALING
Activates melanocortin receptors involved in sexual motivation and arousal.

BRAIN AROUSAL PATHWAYS
Stimulates central neural circuits that influence sexual desire and response.

SEXUAL MOTIVATION
Enhances signaling associated with libido and interest in sexual activity.

AUTONOMIC RESPONSE
Influences nervous-system pathways involved in genital sexual response.

NON-HORMONAL ACTION
Works without directly replacing testosterone, estrogen, or other sex hormones.

TOGETHER THESE MECHANISMS
Enhance sexual-arousal signaling & sexual responsiveness w/o replacing reproductive hormones.

PAIRS WELL WITH

- Kisspeptin-10
- hCG
- Testagen
- Selank
- Oxytocin
- NAD+

Co-Factors

- Zinc
- Vitamin D3
- L-Citrulline
- Omega-3
- Magnesium
- Quality Sleep

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

PT-141 is FDA-approved as Vyleesi for acquired, generalized hypoactive sexual desire disorder in premenopausal women. PT-141 can temporarily raise blood pressure and lower heart rate. Nausea, flushing, headache, and injection-site reactions are also common.

RETATRUTIDE

ADVANCED TRIPLE METABOLIC AGONIST

Metabolic Health • Appetite Control
Energy Expenditure • Glucose Balance • Liver Support



PepTribe
SCIENCE • COMMUNITY • CLARITY

"Retatrutide isn't simply another GLP-1 peptide. It represents a new generation of metabolic signaling by combining GLP-1, GIP, and glucagon into one coordinated system that influences both energy intake and energy expenditure."

-Professor Pep

BENEFITS

- Supports healthy body weight management
- Promotes appetite regulation and satiety
- Supports healthy glucose metabolism
- Encourages healthy energy expenditure
- Supports metabolic flexibility and efficient energy utilization
- Promotes healthy liver fat metabolism
- Supports overall cardiometabolic health

HOW IT WORKS

GLP-1 SIGNALING
Supports satiety, slows gastric emptying, promotes healthy glucose-dependent insulin secretion.

GIP SIGNALING
Supports coordinated insulin response, nutrient handling, and metabolic adaptation alongside GLP-1.

GLUCAGON SIGNALING
Supports energy expenditure, fatty acid oxidation, and metabolic flexibility, making Retatrutide distinct.

METABOLIC REPROGRAMMING
Coordinates appetite regulation, glucose control, and fuel utilization through complementary pathways.

LIVER FAT METABOLISM
Supports hepatic fat reduction and healthier metabolic function in research settings.

TOGETHER THESE MECHANISMS
Support appetite regulation, metabolic flexibility, energy expenditure & healthy body composition.

TARGET AREAS

- METABOLISM
- INSULIN SENSITIVITY
- APPETITE CONTROL
- BODY COMPOSITION
- LEAN MUSCLE GROWTH
- BLOOD SUGAR REGULATION
- ENERGY PRODUCTION
- PERFORMANCE & ENDURANCE

PAIRS WELL WITH

- Tesamorelin
- SS-31
- MOTS-c
- CJC-1295/Ipamorelin
- AOD-9604
- 5-Amino-1MQ

HOW IT'S TAKEN

SUBCUTANEOUS • ONCE WEEKLY

Co-Factors

- Protein Intake
- Creatine
- Magnesium
- Electrolytes
- Omega-3
- Resistance Training

TYPICAL DOSING

1 - 10 mg Weekly

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Retatrutide has one of the strongest human clinical evidence bases among investigational metabolic peptides, with Phase 2 studies and positive Phase 3 topline results demonstrating substantial effects on body weight, liver fat, and metabolic health.

SELANK

ANXIOLYTIC & STRESS-REGULATION PEPTIDE

Calm • Stress Resilience • Mood
Focus • Cognitive Balance

"Selank is the original calming neuropeptide, supporting stress regulation and clear focus without heavy sedation."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports a calm, balanced mental state
- Promotes healthy stress-response regulation
- Supports emotional resilience under pressure
- Encourages clear focus without sedation
- Supports healthy mood and cognitive balance
- May reduce anxiety-related mental distraction
- Supports long-term neurological resilience

TARGET AREAS

- FOCUS
- STRESS RESILIENCE
- CALM & RELAXATION
- COGNITIVE BALANCE
- BRAIN HEALTH
- MOOD
- NEURO-PROTECTION
- EMOTIONAL REGULATION

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

Nasal 200-400 mcg 1-3x daily
SubQ 200-600 mcg 1-2x daily
(Cycle 4-6 weeks on; 1-2 weeks off)

HOW IT WORKS

GABA MODULATION
Supports inhibitory signaling involved in calm and emotional regulation.

STRESS RESPONSE
Helps regulate neural pathways activated during psychological stress.

ENKEPHALIN SIGNALING
May influence endogenous peptide systems involved in mood and stress adaptation.

COGNITIVE BALANCE
Supports attention and mental clarity without strong stimulation.

TUFTSIN-DERIVED SIGNALING
Uses a tuftsin-related peptide sequence involved in neural and immune regulation.

TOGETHER THESE MECHANISMS
Support calm focus, emotional balance, and resilience during mental stress.

PAIRS WELL WITH

- Semax
- SS-31
- DSIP
- Pinealon
- BPC-157
- Epitalon

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- L-Theanine
- Quality Sleep
- Meditation

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles. Follow formulation-specific instructions.

EVIDENCE LEVEL

Selank has preclinical and regional human research supporting anxiolytic, stress-regulating, and cognitive effects. However, large international randomized trials remain limited, and Selank is not FDA-approved.

SELANK AMIDATE

STABILIZED STRESS-REGULATION PEPTIDE

Calm • Stress Resilience • Emotional Balance
Focus • Extended Stability

"Selank Amidate preserves Selank's calming framework while protecting both ends of the peptide for greater enzymatic stability."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports a calm, balanced mental state
- Promotes healthy stress-response regulation
- Supports emotional resilience under pressure
- Encourages clear focus without sedation
- Supports healthy mood and cognitive balance
- Offers increased resistance to enzymatic breakdown
- Supports longer-lasting neuroregulatory research activity

TARGET AREAS

- FOCUS
- STRESS RESILIENCE
- CALM & RELAXATION
- COGNITIVE BALANCE
- BRAIN HEALTH
- MOOD
- NEURO-PROTECTION
- EMOTIONAL REGULATION

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

Nasal 200-400 mcg 1-3x daily
SubQ 200-600 mcg 1-2x daily
(Cycle 4-6 weeks on; 1-2 weeks off)

HOW IT WORKS

GABA MODULATION
Supports inhibitory signaling involved in calm and emotional regulation.

STRESS RESPONSE
Helps regulate neural pathways activated during psychological stress.

ENKEPHALIN SIGNALING
May influence endogenous peptide systems involved in mood and stress adaptation.

TERMINAL PROTECTION
Acetylation and amidation protect the peptide's vulnerable terminal regions.

BRAIN EXPOSURE
The adamantane group is designed to increase lipophilicity and support greater brain penetration.

TOGETHER THESE MECHANISMS
Support calm focus, emotional balance, and more stable neuropeptide signaling.

PAIRS WELL WITH

- Semax
- SS-31
- DSIP
- Pinealon
- BPC-157
- Epitalon

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- L-Theanine
- Quality Sleep
- Meditation

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles. Follow formulation-specific instructions.

EVIDENCE LEVEL

Selank has preclinical and regional human research supporting anxiolytic, stress-regulating, and cognitive effects. However, large international randomized trials remain limited, and Selank is not FDA-approved.

SEMAX

NEUROTROPHIC & COGNITIVE PEPTIDE

Focus • Memory • Neuroplasticity
Mental Performance • Brain Health



PepTribe
SCIENCE • COMMUNITY • CLARITY

"Semax helps the brain adapt and learn. Rather than acting as a stimulant, it supports neuroplasticity and cognitive function through neurotrophic signaling."

-Professor Pep

BENEFITS

- Supports sustained focus and attention
- Promotes healthy learning and memory
- Supports adaptive brain neuroplasticity
- Encourages healthy BDNF signaling activity
- Supports clear cognitive performance
- Promotes resilience during mental stress
- Supports long-term neurological health

TARGET AREAS

- FOCUS
- MEMORY
- NEURO-PLASTICITY
- COGNITIVE PERFORMANCE
- BRAIN HEALTH
- LEARNING
- NEURO-PROTECTION
- SYNAPTIC HEALTH

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

Nasal 300-600 mcg 1-2x daily
SubQ 200-600 mcg daily
Cycle 2 weeks on 2 weeks off

HOW IT WORKS

NEUROTROPHIC SIGNALING
Supports neurotrophic pathways involved in brain function and adaptation.

BDNF SUPPORT
Promotes healthy brain-derived neurotrophic factor (BDNF) activity.

NEUROPLASTICITY
Supports the formation and strengthening of neural connections.

COGNITIVE FUNCTION
Supports attention, memory, and mental performance.

STRESS RESILIENCE
Supports healthy brain function during periods of physical and mental stress.

TOGETHER THESE MECHANISMS
Support learning, memory, focus, and long-term brain health.

PAIRS WELL WITH

- Selank
- PE-22-28
- SS-31
- Pinealon
- Epitalon
- DSIP

Co-Factors

- Omega-3
- Magnesium
- Vitamin D3
- Citicoline
- Phosphatidylserine
- NAC

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles. Follow formulation-specific instructions.

EVIDENCE LEVEL

Semax has been studied extensively in Russia for cognitive function, neurological recovery, and neuroprotection. While preclinical and regional clinical evidence is encouraging, large randomized international trials remain limited, and Semax is considered investigational.

SERMORELIN

GHRH SIGNALING PEPTIDE

GH Release • Recovery • Lean Mass
Body Composition • Sleep Support

"Sermorelin stimulates your own pituitary to release growth hormone, preserving the body's natural GH signaling rather than replacing GH directly."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

BENEFITS

- Supports endogenous growth hormone release
- Promotes natural GH pulse signaling
- May support recovery and tissue remodeling
- Supports lean-mass maintenance and body composition
- May support sleep-related GH secretion
- Supports downstream IGF-1 signaling
- Preserves pituitary-controlled hormone release

TARGET AREAS

- BODY COMPOSITION
- LEAN MASS
- RECOVERY SUPPORT
- TISSUE RECOVERY
- GH RELEASE
- GROWTH SIGNALING
- SLEEP QUALITY
- HEALTHY AGING

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

200-500 mcg nightly (fasted)
Cycled 8-12 weeks

HOW IT WORKS

GHRH RECEPTOR
Activates growth hormone–releasing hormone receptors on pituitary cells.

GH RELEASE
Signals the pituitary to release the body's own growth hormone.

PULSE SUPPORT
Works with normal hypothalamic control to preserve pulsatile GH secretion.

IGF-1 SIGNALING
Increased GH can stimulate downstream IGF-1 production and anabolic signaling.

PITUITARY CONTROL
Relies on a functioning pituitary rather than directly replacing growth hormone.

TOGETHER THESE MECHANISMS
Support physiologic GH release, downstream growth signaling, recovery, and body composition.

PAIRS WELL WITH

- Ipamorelin
- NAD+
- Glutathione
- SS-31
- MOTS-c
- KLOW

Co-Factors

- Creatine
- Vitamin D3
- Zinc
- Quality Sleep
- Magnesium
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Sermorelin was previously FDA-approved as Geref. Current compounded uses for adult GH support are off-label and lack standardized FDA-approved dosing. Sermorelin increases endogenous GH signaling and may raise IGF-1. Medical monitoring is recommended, for people with pituitary disorders or conditions where growth signaling may be undesirable.

SLU-PP-332

EXPERIMENTAL EXERCISE-MIMETIC COMPOUND

Exercise Adaptation • Endurance
Mitochondrial Function • Fat Oxidation • Metabolic Health

"SLU-PP-332 activates exercise-responsive ERR pathways, helping muscle cells shift toward greater mitochondrial activity, fat oxidation, and endurance."

-Professor Pep

See Notes Below



PepTribe
SCIENCE • COMMUNITY • CLARITY

SMALL MOLECULE

BENEFITS

- Supports exercise-responsive metabolic signaling
- Promotes mitochondrial activity in muscle cells
- Encourages greater fatty-acid utilization
- Supports endurance and aerobic exercise capacity
- Promotes fatigue-resistant muscle characteristics
- May support insulin sensitivity and metabolic health
- May reduce excess fat accumulation in animal models

HOW IT WORKS

ERR ACTIVATION
Activates ERRα, ERRβ, and ERRγ nuclear receptors involved in energy metabolism.

EXERCISE GENE PROGRAM
Triggers gene activity associated with an acute aerobic exercise response.

MITOCHONDRIAL ACTIVITY
Promotes cellular respiration and mitochondrial energy metabolism in muscle.

FAT OXIDATION
Supports pathways that increase fatty-acid utilization and energy expenditure.

OXIDATIVE MUSCLE
Encourages fatigue-resistant oxidative muscle-fiber characteristics.

TOGETHER THESE MECHANISMS
Support exercise adaptation, mitochondrial metabolism, and endurance-related performance.

TARGET AREAS

- BODY COMPOSITION
- ENERGY PRODUCTION
- INSULIN SENSITIVITY
- ACTIVE PERFORMANCE
- FAT UTILIZATION
- METABOLISM
- MITOCHONDRIAL HEALTH
- PERFORMANCE & ENDURANCE

PAIRS WELL WITH

- MOTS-c
- 5-Amino-1MQ
- AOD-9604
- Retatrutide
- SS-31
- NAD+

Co-Factors

- Creatine
- Magnesium
- CoQ10
- PQQ
- Omega-3
- Protein Intake

HOW IT'S TAKEN

ORAL

TYPICAL DOSING

1-20+mg daily
Dosing is not well established.

STORAGE & HANDLING

SLU-PP-332 is a lipophilic small molecule that does NOT dissolve in water — DMSO is required as the primary solvent. Store the lyophilized peptide in a cool, dry place. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Studies show that SLU-PP-332 activates ERR-dependent exercise gene programs, increases mitochondrial respiration and oxidative muscle characteristics, and improves endurance and metabolic markers in mice. Human safety and standardized dosing remain unestablished.

SNAP-8

ANTI-WRINKLE SIGNALING PEPTIDE

Expression Lines • Wrinkle Appearance
Skin Smoothness • Facial Tension • Skin Aging

"SNAP-8 is designed to soften expression-line signaling by interfering with the protein machinery involved in neurotransmitter release rather than paralyzing the muscle itself."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

SMALL MOLECULE

BENEFITS

- May reduce the appearance of expression-related wrinkles
- Supports smoother-looking forehead and eye-area skin
- May reduce visible depth of fine facial lines
- Targets signaling involved in repetitive facial contraction
- Provides a noninvasive topical anti-aging approach
- May complement hydration and skin-remodeling ingredients
- Has demonstrated wrinkle improvement in cosmetic formulations

TARGET AREAS

- EXPRESSION LINES
- WRINKLE APPEARANCE
- SKIN SMOOTHNESS
- FOREHEAD LINES
- EYE WRINKLES
- FACIAL TENSION
- SKIN TEXTURE
- HEALTHY AGING

HOW IT'S TAKEN

TOPICAL

TYPICAL DOSING

Topical 1–2x daily

HOW IT WORKS

SNARE INTERFERENCE
Interferes with protein assembly involved in neurotransmitter-vesicle fusion.

SIGNAL RELEASE
May reduce release of contraction-associated neurotransmitter signals.

MUSCLE SIGNALING
May lessen signaling that contributes to repeated facial-muscle contraction.

EXPRESSION LINES
Reduced repetitive contraction may soften expression-related wrinkle appearance.

TOPICAL ACTION
Acts locally in cosmetic formulations, with effectiveness strongly dependent on skin delivery.

TOGETHER THESE MECHANISMS
May soften expression lines by reducing signaling involved in repetitive facial contraction.

PAIRS WELL WITH

- GHK-Cu
- GLOW
- SS-31
- Melanotan I
- ARA-290

Co-Factors

- Hyaluronic Acid
- Retinoids
- Niacinamide
- Snail Mucin
- Vitamin C
- Vitamin E

STORAGE & HANDLING

Store in a cool, dry place at room temperature, protected from heat, moisture, and direct light. Keep tightly sealed in the original container.

EVIDENCE LEVEL

SNAP-8 has mechanistic support and small human cosmetic studies showing wrinkle improvement in multi-ingredient formulations, but standalone clinical evidence is limited. Generally studied as a cosmetic topical. Avoid broken or irritated skin unless the formulation is specifically designed for that use. Discontinue if persistent irritation occurs.

SS-31

MITOCHONDRIAL PROTECTION PEPTIDE

Mitochondrial Health • Energy Production
Oxidative Stress • Cellular Resilience • Healthy Aging



PepTribe
SCIENCE • COMMUNITY • CLARITY

"SS-31 protects the machinery that produces cellular energy. By stabilizing the inner mitochondrial membrane, it helps stressed cells generate ATP more efficiently with less oxidative damage."

-Professor Pep

BENEFITS

- Supports mitochondrial membrane integrity
- Promotes efficient cellular energy production
- Helps reduce mitochondrial oxidative stress
- Supports healthy ATP production
- Promotes cellular resilience during metabolic stress
- Supports muscle and cardiovascular function
- Supports healthy aging, cognition, brain and tissue maintenance

HOW IT WORKS

CARDIOLIPIN TARGETING
Binds cardiolipin within the inner mitochondrial membrane.

MEMBRANE STABILITY
Helps preserve mitochondrial structure and membrane potential.

ELECTRON TRANSFER
Supports efficient electron flow through the respiratory chain.

OXIDATIVE STRESS
Reduces electron leak and excess reactive oxygen species.

ATP PRODUCTION
Supports efficient cellular energy production under stress.

TOGETHER THESE MECHANISMS
Protect mitochondrial function, preserve ATP production and improve cellular resilience.

TARGET AREAS

- RECOVERY & HEALING
- ENERGY PRODUCTION
- MUSCLE HEALTH
- HEALTHY AGING
- BRAIN HEALTH
- METABOLISM
- PERFORMANCE & ENDURANCE
- MITOCHONDRIAL HEALTH

PAIRS WELL WITH

- MOTS-c
- BPC-157
- GHK-Cu
- Semax
- Epitalon
- TB-500

HOW IT'S TAKEN

SUBCUTANEOUS

Co-Factors

- Protein Intake
- Creatine
- Omega-3
- CoQ10
- NAC or Glutathione
- Aerobic Exercise

TYPICAL DOSING

1-2 mg daily

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

SS-31 has extensive preclinical research and human clinical-trial data. Elamipretide has received accelerated FDA approval for Barth syndrome, while cardiovascular, neurological, renal, performance and healthy-aging applications remain investigational.

TB-500

SYSTEMIC RECOVERY & REPAIR PEPTIDE

Recovery • Cell Migration • Tissue Remodeling
Flexibility • Performance

"TB-500 appears to function less as a direct repair signal and more as a coordinator of cellular movement, helping repair cells reach injured tissues where healing is needed."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports recovery from muscle, tendon, and ligament injuries
- Promotes cellular migration during tissue repair
- Supports flexibility and range of motion
- Encourages healthy blood vessel development
- Supports connective tissue remodeling
- Helps maintain balanced inflammatory signaling
- Promotes recovery following physical stress

TARGET AREAS

- RECOVERY & HEALING
- JOINT HEALTH
- INFLAMMATION REDUCTION
- Active Performance
- MOBILITY & FLEXIBILITY
- TISSUE REPAIR
- BONE HEALTH
- Performance & Endurance

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

2.5 mg 2x weekly

HOW IT WORKS

CELL MIGRATION
Supports the movement of repair cells toward damaged tissues during the healing process.

ANGIOGENESIS
Promotes healthy blood vessel formation to improve oxygen and nutrient delivery.

ACTIN REGULATION
Supports actin organization, an essential component of cellular movement and repair.

TISSUE REMODELING
Supports connective tissue remodeling following injury and mechanical stress.

RECOVERY SUPPORT
Helps coordinate repair processes that restore tissue structure and function.

TOGETHER THESE MECHANISMS
Create an environment for tissue repair, cellular movement, flexibility, and long-term musculoskeletal recovery.

PAIRS WELL WITH

- BPC-157
- KPV
- GHK-CU
- SS-31
- MOTS-C

Co-Factors

- Collagen Peptides
- Omega-3
- Vitamin C
- Magnesium
- L-Citrulline

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Extensive preclinical research supports TB-500's role in cellular migration, tissue remodeling, angiogenesis, and musculoskeletal recovery. Human clinical evidence remains limited, and TB-500 should currently be viewed as an investigational research peptide.

TESA/IPA/CJC

DUAL-PATHWAY GH PEPTIDE BLEND

GH Signaling • Visceral Fat • Recovery
Lean Muscle • Body Composition



PepTribe
SCIENCE • COMMUNITY • CLARITY

"This blend combines two GHRH analogs with selective ghrelin-receptor signaling to amplify endogenous GH release while emphasizing visceral-fat and body-comp support."

-Professor Pep

BENEFITS

- Supports coordinated endogenous growth hormone release
- Promotes healthy downstream IGF-1 signaling
- Supports reduction of visceral abdominal fat
- Encourages healthier overall body composition
- Supports lean muscle maintenance and recovery
- Promotes restorative nighttime recovery signaling
- Supports metabolic health and physical performance

TARGET AREAS

- BODY COMPOSITION
- LEAN MUSCLE SUPPORT
- SLEEP QUALITY
- RECOVERY & HEALING
- VISCERAL FAT
- METABOLISM
- GH SUPPORT
- PERFORMANCE & ENDURANCE

HOW IT'S TAKEN

[redacted]

TYPICAL DOSING

10-20 units nightly (fasted)
12 week cycle • 4 week break

HOW IT WORKS

TESAMORELIN
Activates pituitary GHRH receptors and supports visceral-fat reduction.

CJC-1295 NO DAC
Provides short-acting GHRH signaling that supports physiologic GH pulses.

IPAMORELIN
Activates ghrelin receptors to selectively stimulate endogenous GH release.

GH & IGF-1 AXIS
Supports downstream signaling involved in recovery and body composition.

DUAL-PATHWAY SIGNALING
Combines GHRH and ghrelin pathways for coordinated GH stimulation.

TOGETHER THESE MECHANISMS
Support physiologic GH release, recovery, and healthy body composition.

PAIRS WELL WITH

- KLOW
- Epitalon
- Glutathione
- SS-31
- MOTS-c
- NAD+

Co-Factors

- Creatine
- Magnesium
- Zinc
- Vitamin D3
- Quality Sleep
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Tesamorelin has substantial human clinical evidence and an approved indication for reducing excess visceral abdominal fat in adults. CJC/Ipamorelin have mechanistic evidence for stimulating GH, but this three-compound blend lacks controlled human trials.

TESAMORELIN

GH-RELEASING HORMONE (GHRH) ANALOG

Visceral Fat • Body Composition • GH Signaling
Recovery • Metabolic Health

"Tesamorelin is designed to restore physiologic growth hormone signaling, with its strongest clinical evidence supporting the reduction of visceral abdominal fat—not general weight loss."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

HORMONE ANALOG

BENEFITS

- Supports endogenous growth hormone release
- Promotes healthy IGF-1 production
- Reduces visceral abdominal fat
- Supports healthy body composition
- Helps preserve lean muscle mass
- Helps supports metabolic health
- Promotes recovery and healthy aging

TARGET AREAS

- BODY COMPOSITION
- LEAN MUSCLE SUPPORT
- INSULIN SENSITIVITY
- HEALTHY AGING
- VISCERAL FAT
- METABOLISM
- GH SUPPORT
- ACTIVE PERFORMANCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1 - 2 mg daily

HOW IT WORKS

GHRH RECEPTOR
Activates GHRH receptors to stimulate natural GH release.

GH & IGF-1
Supports physiologic GH secretion and healthy IGF-1 production.

VISCERAL FAT
Promotes reduction of visceral adipose tissue while preserving lean mass.

BODY COMPOSITION
Supports healthier body composition through endogenous GH signaling.

METABOLIC HEALTH
Supports metabolic function associated with reduced visceral fat.

TOGETHER THESE MECHANISMS
Support physiologic GH signaling, reduced visceral fat, and healthier body composition.

PAIRS WELL WITH

- MOTS-c
- SS-31
- Retatrutide
- 5-Amino-1MQ
- AOD-9604
- CJC / Ipamorelin

Co-Factors

- Omega-3
- Magnesium
- Creatine
- Quality Sleep
- Protein Intake
- Resistance Training

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution Tesamorelin does NOT need to be refridgerated. Store at 68–77°F and avoid extreme cold or heat. Follow formulation-specific instructions.

EVIDENCE LEVEL

Tesamorelin is FDA-approved for the reduction of excess visceral abdominal fat. It has extensive human clinical data supporting endogenous GH stimulation and visceral fat reduction.

TESTAGEN

TESTICULAR PEPTIDE BIOREGULATOR

Testicular Function • Hormone Balance
Sperm Production • Male Fertility • Healthy Aging

"Testagen is designed to regulate male endocrine tissue at the gene-expression level, supporting testicular function without acting as direct testosterone replacement."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy testicular cell function
- May support natural testosterone-related signaling
- Supports sperm-production pathways
- May help maintain male fertility function
- Supports age-related endocrine resilience
- May influence thyroid–gonadal coordination
- Supports healthy gene-expression patterns in reproductive tissue

HOW IT WORKS

GENE REGULATION
May influence DNA and histone activity involved in endocrine gene expression.

TESTICULAR SUPPORT
Supports activity and differentiation of Leydig, Sertoli, and germ cells.

HORMONE SIGNALING
May influence pathways involved in testosterone and thyroid-related endocrine function.

SPERM PRODUCTION
Supports cellular processes involved in spermatogenesis and reproductive function.

ENDOCRINE BALANCE
May help coordinate pituitary, thyroid, and testicular signaling during aging.

TOGETHER THESE MECHANISMS
Support testicular function, reproductive signaling, sperm production, & endocrine resilience.

TARGET AREAS

- HORMONE BALANCE
- MALE FERTILITY
- TESTICULAR FUNCTION
- SPERM PRODUCTION
- TESTOSTERONE SUPPORT
- ENDOCRINE FUNCTION
- HEALTHY AGING
- CELLULAR REGULATION

PAIRS WELL WITH

- Kisspeptin-10
- hCG
- Prostamax
- Oxytocin

Co-Factors

- Zinc
- Vitamin D3
- CoQ10
- Omega-3
- Magnesium
- Selenium

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Testagen has early evidence for endocrine, testicular, and sperm-production support, but large controlled trials, standardized dosing, and long-term safety data are lacking. Because Testagen may influence gene expression and cell differentiation in endocrine tissue, long-term tumor-related safety has not been established.

THYMOSIN ALPHA-1

THYMIC IMMUNE-REGULATION PEPTIDE

Immune Balance • T-Cell Support • Antigen Recognition
Viral Defense • Immune Resilience

"Thymosin alpha-1 helps coordinate immune defense by improving antigen recognition, T-cell activity, and immune balance rather than simply stimulating immunity."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BENEFITS

- Supports healthy T-cell development and activity
- Promotes effective antigen recognition and presentation
- Supports dendritic-cell maturation and signaling
- Encourages healthy natural-killer-cell activity
- Helps maintain balanced inflammatory responses
- Supports immune resilience during physiological stress
- Promotes coordinated innate and adaptive immunity

TARGET AREAS

- IMMUNE BALANCE
- IMMUNE SUPPORT
- ANTIGEN RECOGNITION
- T-CELL FUNCTION
- IMMUNE SURVEILLANCE
- INFLAMMATORY BALANCE
- VIRAL DEFENSE
- IMMUNE RESILIENCE

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1.6 mg 2x a week or 500 mcg daily
4-8 weeks on 4 weeks off

HOW IT WORKS

TOLL-LIKE RECEPTORS
Modulates TLR2 and TLR9 signaling involved in immune recognition.

DENDRITIC CELLS
Supports dendritic-cell maturation and stronger antigen presentation.

T-CELL ACTIVITY
Promotes healthy CD4+ and CD8+ T-cell development and function.

IMMUNE SURVEILLANCE
Supports NK-cell activity and recognition of abnormal or infected cells.

CYTOKINE BALANCE
Helps coordinate protective cytokine signaling while limiting excess inflammation.

TOGETHER THESE MECHANISMS
Support immune recognition, coordinated defense, and healthier immune regulation.

PAIRS WELL WITH

- KLOW
- KPV
- Glutathione
- SS-31
- NAD+
- Bronchogen

Co-Factors

- Vitamin D3
- Omega-3
- Zinc
- Vitamin C
- Selenium
- Magnesium

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Thymosin alpha-1 has decades of international clinical research and use across immune-related conditions. Human evidence supports immunomodulatory activity and generally favorable tolerability, but it is not FDA-approved for routine use in USA.

TRI-HEAL

ADVANCED HEALING & RECOVERY BLEND

Repair • Recovery • Immune Balance
Barrier Protection • Inflammation Control



PepTribe
SCIENCE • COMMUNITY • CLARITY

Tri-Heal combines three complementary peptides that coordinate repair, calm excessive inflammation, and support recovery where healing is needed most."

-Professor Pep

BENEFITS

- Supports collagen production and skin firmness
- Promotes tissue repair and wound recovery
- Encourages healthy hair and connective tissue
- Supports skin hydration and elasticity
- Helps maintain balanced inflammatory signaling
- Promotes healthy aging and tissue remodeling

TARGET AREAS

- RECOVERY & HEALING
- JOINT HEALTH
- INFLAMATION REDUCTION
- GUT HEALTH
- MOBILITY & FLEXIBILITY
- TISSUE REPAIR
- BARRIER PROTECTION
- IMMUNE SUPPORT

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1.5-3 mg daily

HOW IT WORKS

BPC-157
Tendon Repair • Gut Protection • Angiogenesis • Tissue Recovery • Inflammation Balance

TB-500
Recovery • Cell Migration • Tissue Remodeling • Flexibility • Performance

KPV
Gut Protection • Immune Balance • Barrier Repair • Inflammation Control • Tissue Recovery

REPAIR + REMODELING
BPC-157 coordinates repair while TB-500 supports cellular migration and connective tissue remodeling.

IMMUNE + BARRIER SUPPORT
KPV promotes immune balance & supports epithelial barrier integrity.

TOGETHER THESE MECHANISMS
Create a coordinated environment for tissue repair, immune balance, and long-term recovery.

PAIRS WELL WITH

- GHK-Cu
- SS-31
- MOTS-c
- Cartalax
- ARA-290
- Thymosin Alpha-1

Co-Factors

- Vitamin C
- Zinc Carnosine
- L-Glutamine
- Collagen Peptides
- Magnesium
- Omega-3

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Tri-Heal combines three investigational peptides with complementary roles. While each peptide has encouraging preclinical support, the blend itself has not been evaluated in clinical trials and should be considered an investigational research blend.

VESUGEN

VASCULAR PEPTIDE BIOREGULATOR

Vascular Health • Endothelial Function
Healthy Circulation • Vessel Resilience • Healthy Aging

"Vesugen targets vascular endothelium—the inner lining of blood vessels—with research spanning circulation, vascular aging, and even blood-flow-related erectile function."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports healthy vascular endothelial function
- Promotes blood-vessel integrity and resilience
- May support healthy circulation with aging
- Supports endothelial-cell renewal pathways
- May improve vascular blood flow in compromised tissue
- May support vasculogenic erectile function
- Supports healthier age-related vascular function

TARGET AREAS

- VASCULAR HEALTH
- ENDOTHELIAL FUNCTION
- HEALTHY CIRCULATION
- VESSEL INTEGRITY
- ERECTILE FUNCTION
- VASCULAR RENEWAL
- HEALTHY AGING
- CELLULAR RESILIENCE

HOW IT WORKS

GENE REGULATION
May influence gene activity involved in vascular-cell function and renewal.

ENDOTHELIAL SUPPORT
Targets cells lining blood vessels to support healthy vascular function.

CELL RENEWAL
May restore age-related declines in endothelial-cell proliferation.

VESSEL INTEGRITY
Supports healthy structure and function of the vascular wall.

VASCULAR AGING
May help preserve blood-vessel function during age-related cellular decline.

TOGETHER THESE MECHANISMS
Support endothelial function, vascular integrity, cellular renewal, and healthier blood-vessel aging.

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

1-2 mg daily for 10-20 days
Cycled 2-4 times a year

PAIRS WELL WITH

- Cardiogen
- VIP
- SS-31
- KLOW
- Glutathione
- ARA-290

Co-Factors

- CoQ10
- Vitamin C
- NAC
- Omega-3
- Magnesium
- L-Citrulline

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Vesugen has endothelial-cell research and limited human vascular studies suggesting possible support for blood flow and vascular function. However, large independent trials, standardized dosing, and long-term safety data are lacking. It is not FDA-approved.

VILON

THYMIC PEPTIDE BIOREGULATOR

Thymic Function • T-Cell Support • Gene Regulation
Immune Resilience • Healthy Aging

"Vilon is a two-amino-acid thymic bioregulator studied for reopening silenced chromatin and supporting the gene activity that guides immune-cell function and aging."

-Professor Pep



PepTribe
SCIENCE • COMMUNITY • CLARITY

BIOREGULATOR

BENEFITS

- Supports thymic immune-cell activity and regulation
- Promotes T-cell activation and differentiation
- May reactivate age-silenced gene expression
- Supports ribosomal activity and protein synthesis
- May improve immune resilience during aging or stress
- Supports chromatin remodeling in aging cells
- Has demonstrated broader geroprotective effects in animal models

TARGET AREAS

- IMMUNE BALANCE
- THYMIC FUNCTION
- IMMUNE RESILIENCE
- T-CELL SUPPORT
- CELL MATURATION
- IMMUNE DEFENSE
- CELL SURVIVAL
- HEALTHY AGING

HOW IT WORKS

CHROMATIN REMODELING
May decondense silenced chromatin, improving access to previously inactive genes.

GENE REGULATION
Modulates transcription involved in immune activity, aging, and cellular adaptation.

RIBOSOMAL ACTIVATION
May reactivate ribosomal genes and increase protein-synthesis capacity.

T-CELL SIGNALING
Supports thymocyte activation and differentiation toward functional T-cell populations.

IMMUNE MODULATION
Influences lymphocyte activation, receptor expression, and cytokine-related signaling.

TOGETHER THESE MECHANISMS
Support thymic renewal and immune-cell maturation.

PAIRS WELL WITH

- Thymosin Alpha-1
- Crystagen
- LL-37
- VIP
- Glutathione
- SS-31

Co-Factors

- Zinc
- Selenium
- NAC
- Omega-3
- Magnesium
- Vitamin D3

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

5 mg daily for 7-12 days
Repeat every 4-6 months

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Vilon has cell, animal, and limited human research supporting thymic immune regulation, chromatin remodeling, T-cell activity, and geroprotective effects. Vilon influences gene expression, chromatin structure, and immune-cell activity. Long-term human safety and effects of repeated exposure have not been established.

VIP

NEUROIMMUNE & VASCULAR SIGNALING PEPTIDE

Immune Balance • Healthy Circulation • Airway Function
Gut Regulation • Circadian Rhythm



PepTribe
SCIENCE • COMMUNITY • CLARITY

"VIP is a multi-system signaling peptide that links the nervous system with immune activity, blood-vessel tone, smooth-muscle function, and the body's circadian clock."

-Professor Pep

BENEFITS

- Supports balanced inflammatory and immune signaling
- Promotes healthy vascular tone and blood flow
- Supports airway relaxation and respiratory function
- Helps regulate gastrointestinal motility and secretion
- Supports mucosal and epithelial function
- Helps synchronize circadian rhythms and biological timing
- May support neuronal survival during oxidative or inflammatory stress

TARGET AREAS

- IMMUNE BALANCE
- AIRWAY FUNCTION
- GUT FUNCTION
- MUCOSAL HEALTH
- INFLAMMATORY BALANCE
- NEURO-PROTECTION
- CIRCADIAN RHYTHM
- HEALTHY CIRCULATION

HOW IT'S TAKEN

INTRANASAL & SUBCUTANEOUS

TYPICAL DOSING

Nasal 200-400 mcg 2-4 x daily
SubQ 200-400 mcg 1-2 x daily
Cycle data unknown

HOW IT WORKS

VPAC RECEPTORS

Activates VPAC1 and VPAC2 receptors across neural, immune, vascular, and epithelial tissues.

CAMP / PKA ACTIVATION

Raises cellular cAMP and activates PKA to influence signaling and gene expression.

SMOOTH-MUSCLE RELAXATION

Relaxes vascular, airway, and gastrointestinal smooth muscle to support blood flow, breathing, and motility.

IMMUNE REGULATION

Modulates cytokine signaling & can shift immune activity away from excessive pro-inflammatory.

CIRCADIAN SIGNALING

Influences CREB and clock genes such as Per1 and Per2 to help synchronize circadian rhythms.

TOGETHER THESE MECHANISMS

Coordinate vascular tone, immune balance, gastrointestinal function, and circadian signaling.

PAIRS WELL WITH

- Bronchogen
- Chonluten
- Pinealon
- Cardiogen
- Thymosin Alpha-1
- SS-31

Co-Factors

- NAC
- CoQ10
- Vitamin D3
- Omega-3
- Magnesium
- Quercetin

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

VIP biology is well established, and synthetic VIP (aviptadil) has been studied in humans for pulmonary and respiratory conditions. VIP can cause vasodilation, hypotension, flushing, increased heart rate, and diarrhea, particularly with systemic exposure. It is not FDA-approved in the U.S. and should be used with careful monitoring.

WOLVERINE

THE ULTIMATE RECOVERY BLEND

Tendon Repair • Tissue Recovery • Angiogenesis
Cell Migration • Performance Recovery



PepTribe
SCIENCE • COMMUNITY • CLARITY

"If BPC-157 is the repair coordinator and TB-500 is the repair crew, Wolverine brings them together into one regenerative system. One peptide directs the healing process while the other helps deliver the cells needed to rebuild damaged tissue."
-Professor Pep

BENEFITS

- Supports recovery from muscle, tendon, and ligament injuries
- Promotes connective tissue remodeling
- Encourages healthy blood vessel formation
- Supports flexibility and range of motion
- Helps maintain balanced inflammatory signaling
- Promotes faster recovery following physical stress
- Supports long-term musculoskeletal health

HOW IT WORKS

BPC-157
Tendon Repair • Gut Protection • Angiogenesis
Tissue Recovery • Inflammation Balance

TB-500
Recovery • Cell Migration • Tissue Remodeling
Flexibility • Performance

SIGNAL + DELIVERY
BPC-157 helps coordinate repair signaling while TB-500 supports the movement of repair cells.

REMODELING + RECOVERY
Together they promote tissue remodeling, connective tissue recovery, and restoration of structural function.

TOGETHER THESE MECHANISMS
Create a coordinated environment for tissue repair, and long-term musculoskeletal recovery.

TARGET AREAS

- RECOVERY & HEALING
- COLLAGEN SUPPORT
- INFLAMATION REDUCTION
- PERFORMANCE & ENDURANCE
- MOBILITY & FLEXIBILITY
- TISSUE REPAIR
- JOINT HEALTH
- BONE HEALTH

HOW IT'S TAKEN

SUBCUTANEOUS

TYPICAL DOSING

0.5 - 1 mg 1 - 2 times daily

PAIRS WELL WITH

- ARA-290
- KPV
- SS-31
- GHK-Cu
- MOTS-c
- Cartalax

Co-Factors

- Vitamin C
- Omega-3
- L-Citrulline
- Collagen Peptides
- Magnesium
- Protein Intake

STORAGE & HANDLING

Store the lyophilized peptide in a cool, dry place away from heat, light, and moisture. After reconstitution, refrigerate at 36–46°F and avoid repeated freeze-thaw cycles.

EVIDENCE LEVEL

Wolverine combines two investigational peptides with complementary roles in tissue repair, angiogenesis, cellular migration, and connective tissue remodeling and should be viewed as an investigational regenerative research blend.