



HC BIOLOGICS

SHARING THE PEPTIDE SCIENCE



PEPTIDES CATALOG 2026 EDITION

PROFESSIONAL USE

Pharmaceutical-grade peptides for licensed clinical practice.

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Certificate of Analysis per lot



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ABOUT THIS CATALOG

Every compound listed is stocked by HC BioLogics. Entries summarise mechanism and published research directions only — this catalog contains no dosing guidance or protocols.



HC BIOLOGICS

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OUR STANDARD

Purity you can verify.

HC BioLogics supplies sterile-filled, lyophilised peptides produced by solid-phase synthesis and released only against a lot-specific certificate of analysis. Every batch is assayed by an independent laboratory before it leaves our facility.

> 99%

HPLC purity

Reverse-phase HPLC on every lot, with the chromatogram supplied.

MS

Mass spec identity

Molecular weight confirmed by mass spectrometry against theoretical.

< 0.1 EU

Endotoxin

LAL testing on sterile-filled presentations.

USP

Fill and finish

Lyophilised under nitrogen into depyrogenated borosilicate vials.



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METABOLIC & WEIGHT MANAGEMENT

Incretin receptor agonists and lipolytic fragments

Tirzepatide / GLP-1T

GIP / GLP-1 dual receptor agonist

Semaglutide / GLP-1S

GLP-1 receptor agonist

GLP-3 / GLP-1R

GIP / GLP-1 / glucagon triple agonist

AOD-9604

hGH fragment 176-191

Tirzepatide / GLP-1T

GLP-1 / GLP-1 dual receptor agonist

A single 39-amino-acid peptide that activates both the GIP and GLP-1 receptors. The dual signal slows gastric emptying, augments glucose-dependent insulin release and acts on hypothalamic appetite centres, producing markedly greater effects on body weight and HbA1c than GLP-1 activation alone.

RESEARCH AREAS

- Body-weight and adiposity models
- Glycaemic control and insulin sensitivity
- Hepatic steatosis and lipid handling
- Appetite and satiety signalling



RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin B12 · Electrolytes (sodium, potassium, magnesium) · Protein intake support / essential amino acids · Digestive enzymes · Fibre · Creatine (lean-mass preservation)

PRESENTATIONS

10 mg

20 mg

30 mg

60 mg

75 mg

90 mg

120 mg

Semaglutide / GLP-1S

GLP-1 receptor agonist

A long-acting GLP-1 analogue stabilised against DPP-4 cleavage by an AIB substitution and a C18 fatty-diacid chain that drives albumin binding. Enhances glucose-dependent insulin secretion, suppresses glucagon, delays gastric emptying and reduces appetite centrally.

RESEARCH AREAS

- Weight regulation and energy intake
- Type 2 diabetes glycaemic models
- Cardiovascular risk markers
- Hepatic fat fraction



RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin B12 · Electrolytes · Fibre and prebiotics · Protein / essential amino acids · Digestive enzymes · Ginger (nausea support)

PRESENTATIONS

5 mg

10 mg

20 mg

25 mg

30 mg

GLP-3 / GLP-1R

GIP / GLP-1 / glucagon triple agonist

A triple-receptor agonist adding glucagon-receptor activity to the GIP/GLP-1 backbone. The glucagon arm raises energy expenditure and drives hepatic lipid mobilisation, complementing the appetite and insulinotropic effects of the other two receptors.

RESEARCH AREAS

- Advanced adiposity models
- Energy expenditure and thermogenesis
- Hepatic lipid clearance
- Metabolic syndrome markers



RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin B12 · Electrolytes · Protein / essential amino acids · Fibre · Creatine · Omega-3 fatty acids

PRESENTATIONS

10 mg

15 mg

20 mg

AOD-9604

hGH fragment 176-191

The C-terminal lipolytic domain of human growth hormone, isolated from the full sequence. Stimulates lipolysis and inhibits lipogenesis in adipose tissue through a beta-3 adrenergic mechanism without the IGF-1 rise or glucose effects associated with intact GH.

RESEARCH AREAS

- Adipose tissue metabolism
- Body-composition models
- Cartilage and joint repair research
- Non-glycaemic fat-loss pathways



RECOMMENDED SUPPORT SUPPLEMENTS

L-carnitine · Omega-3 fatty acids · Vitamin D3 · Magnesium · Collagen peptides (joint research)

PRESENTATIONS

5 mg



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GROWTH HORMONE SECRETAGOGUES

GHRH analogues and selective GH releasing peptides

Sermorelin	GHRH (1-29) analogue
Ipamorelin	Selective ghrelin receptor agonist (GHRP)
CJC-1295 (no DAC)	Modified GRF (1-29) · Mod-GRF
CJC-1295 DAC	GHRH analogue with Drug Affinity Complex
CJC-1295 + Ipamorelin	GHRH / GHRP combination blend
Tesamorelin	Stabilised GHRH (1-44) analogue

Sermorelin

GHRH (1-29) analogue

The shortest fully active fragment of growth-hormone-releasing hormone. Binds pituitary GHRH receptors to restore pulsatile, physiologic GH release while leaving negative feedback via somatostatin intact.

RESEARCH AREAS

- Age-related GH decline
- Sleep architecture and slow-wave sleep
- Body composition and lean mass
- Recovery capacity



RECOMMENDED SUPPORT SUPPLEMENTS

Zinc · Magnesium glycinate · Vitamin B6 · Arginine / ornithine · Glycine · Vitamin D3

PRESENTATIONS

5 mg

10 mg

15 mg

Ipamorelin

Selective ghrelin receptor agonist (GHRP)

A pentapeptide GHRP that triggers GH release through the GHS-R1a receptor with high selectivity — notably without the cortisol, prolactin or appetite stimulation seen with earlier-generation growth-hormone releasing peptides.

RESEARCH AREAS

- Selective GH pulse research
- Lean tissue and recovery
- Bone mineral density models
- Sleep quality



RECOMMENDED SUPPORT SUPPLEMENTS

Zinc · Magnesium · Vitamin B6 · Glycine · GABA precursors

PRESENTATIONS

5 mg

10 mg

CJC-1295 (no DAC)

Modified GRF (1-29) · Mod-GRF

A tetra-substituted GHRH analogue resistant to enzymatic degradation, with a short half-life that preserves natural pulsatility. Frequently paired with a GHRP so that GHRH and ghrelin-receptor pathways act synergistically on the same pulse.

RESEARCH AREAS

- Pulsatile GH signalling
- Body composition
- Recovery and repair capacity
- Sleep depth



RECOMMENDED SUPPORT SUPPLEMENTS

Zinc · Magnesium · Vitamin B6 · Arginine · Vitamin D3

PRESENTATIONS

5 mg

10 mg

CJC-1295 DAC

GHRH analogue with Drug Affinity Complex

Adds a maleimidopropionic acid linker that binds covalently to serum albumin, extending the half-life from minutes to roughly six to eight days. Produces a sustained elevation in GH and IGF-1 rather than discrete pulses.

RESEARCH AREAS

- Sustained IGF-1 elevation
- Long-interval dosing models
- Lean mass and adiposity
- Connective tissue turnover



RECOMMENDED SUPPORT SUPPLEMENTS

Zinc · Magnesium · Vitamin B6 · Vitamin D3 · Omega-3 fatty acids

PRESENTATIONS

5 mg

CJC-1295 + Ipamorelin

GHRH / GHRP combination blend

Pairs a GHRH analogue with a selective ghrelin-receptor agonist. The two act on distinct pituitary receptors, so the combined GH release is greater than either alone while preserving the physiologic pulse shape.

RESEARCH AREAS

- Synergistic GH release
- Body recomposition
- Recovery and tissue repair
- Sleep and restoration



RECOMMENDED SUPPORT SUPPLEMENTS

Zinc · Magnesium glycinate · Vitamin B6 · Glycine · Vitamin D3

PRESENTATIONS

10 mg (5+5)

Tesamorelin

Stabilised GHRH (1-44) analogue

A trans-3-hexenoyl-modified GHRH analogue with pronounced activity against visceral adipose tissue. The only GH-axis peptide with a regulatory approval specifically for visceral fat reduction.

RESEARCH AREAS

- Visceral adipose tissue
- Hepatic fat and metabolic markers
- Cognitive research in ageing
- Lipid profile



RECOMMENDED SUPPORT SUPPLEMENTS

Omega-3 fatty acids · Vitamin D3 · Magnesium · Choline · B-complex · Berberine (glycaemic support)

PRESENTATIONS

2 mg (10-vial kit)

5 mg

10 mg

15 mg



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RECOVERY & TISSUE REPAIR

Cytoprotective and angiogenic repair peptides

BPC-157

Body Protection Compound 157

TB-500

Thymosin Beta-4 fragment

BPC-157 + TB-500

Dual repair blend

Glow Blend

GHK-Cu + BPC-157 + TB-500

Klow Blend

KPV + GHK-Cu + BPC-157 + TB-500

ARA-290

Cibinetide - erythropoietin-derived 11-mer 11

BPC-157

Body Protection Compound 157

A stable 15-amino-acid sequence derived from human gastric juice protein. Upregulates VEGFR2 signalling and the nitric oxide system, promoting angiogenesis, fibroblast migration and tendon-to-bone healing, with pronounced cytoprotection along the gut lining.

RESEARCH AREAS

- Tendon, ligament and muscle repair
- Gastrointestinal mucosal integrity
- Angiogenesis and microcirculation
- Neuroprotection models

RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin C · Zinc · Collagen peptides · L-glutamine · Magnesium · Omega-3 fatty acids

PRESENTATIONS

5 mg

10 mg



TB-500

Thymosin Beta-4 fragment

The active fragment of thymosin beta-4, the principal actin-sequestering protein in mammalian cells. Drives cell migration, endothelial differentiation and new vessel formation, with systemic distribution that reaches poorly vascularised tissue.

RESEARCH AREAS

- Soft-tissue and wound repair
- Cardiac tissue models
- Flexibility and adhesion reduction
- Hair follicle research

RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin C · Zinc · Collagen peptides · Magnesium · Omega-3 fatty acids · Copper

PRESENTATIONS

5 mg

10 mg



BPC-157 + TB-500

Dual repair blend

Combines the localised cytoprotective and angiogenic action of BPC-157 with the systemic cell-migration effects of TB-500. The two operate on complementary stages of the repair cascade and are the most frequently studied pairing in tissue-recovery research.

RESEARCH AREAS

- Complex or stalled soft-tissue injury
- Post-surgical repair models
- Connective tissue remodelling
- Systemic recovery capacity



RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin C · Zinc · Collagen peptides · L-glutamine · Magnesium · Omega-3 fatty acids

PRESENTATIONS

10 mg (5+5)

20 mg (10+10)

Glow Blend

GHK-Cu + BPC-157 + TB-500

A three-peptide aesthetic and repair blend. GHK-Cu supplies the copper complex that drives collagen and elastin synthesis, while BPC-157 and TB-500 provide the angiogenic and cell-migration substrate — targeting skin quality and connective tissue simultaneously.

RESEARCH AREAS

- Skin firmness and collagen density
- Wound and scar remodelling
- Hair and nail research
- Systemic connective tissue repair



RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin C · Copper · Zinc · Collagen peptides · Hyaluronic acid · Silica

PRESENTATIONS

45 mg (GHK-Cu 30 / BPC 5 / TB 10)

70 mg (GHK-Cu 50 / BPC 10 / TB 10)

Klow Blend

KPV + GHK-Cu + BPC-157 + TB-500

Extends the Glow blend with KPV, the C-terminal tripeptide of alpha-MSH, adding a distinct anti-inflammatory arm that acts on NF-kB signalling. Studied where inflammation is limiting the repair response — particularly gut and dermal models.

RESEARCH AREAS

- Inflammatory bowel research
- Inflammatory skin conditions
- Compound repair with an inflammatory component
- Mucosal integrity



RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin C · Copper · Zinc · L-glutamine · Omega-3 fatty acids · Curcumin

PRESENTATIONS

Blend

ARA-290

Cibinetide · erythropoietin-derived 11-mer

An 11-amino-acid peptide mapped to the helix-B surface of erythropoietin. Binds the innate repair receptor to deliver EPO's tissue-protective and anti-inflammatory signalling without any effect on haematocrit or erythropoiesis.

RESEARCH AREAS

- Small-fibre neuropathy
- Neuropathic pain models
- Sarcoidosis research
- Metabolic and inflammatory endpoints



RECOMMENDED SUPPORT SUPPLEMENTS

Alpha-lipoic acid · Acetyl-L-carnitine · B-complex (B1, B6, B12) · Magnesium · Omega-3 fatty acids

PRESENTATIONS

16 mg



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LONGEVITY & CELLULAR ENERGY

Mitochondrial, telomeric and redox-active compounds

NAD⁺

Nicotinamide adenine dinucleotide

Epithalon

Epitalon · AEDG tetrapeptide

MOTS-c

Mitochondrial-derived peptide

SS-31

Elamipretide · cardiolipin-targeting peptide

Pinealon

EDR tripeptide bioregulator

NAD⁺

Nicotinamide adenine dinucleotide

The central redox cofactor of cellular metabolism and the obligate substrate for sirtuins and PARP enzymes. Tissue NAD⁺ falls substantially with age; direct administration bypasses the salvage pathway to restore the pool available for DNA repair and mitochondrial function.

RESEARCH AREAS

- Cellular energy and mitochondrial output
- DNA repair and sirtuin activity
- Cognitive and neuroprotective models
- Recovery and endurance



RECOMMENDED SUPPORT SUPPLEMENTS

Nicotinamide riboside or NMN · Resveratrol / pterostilbene · TMG (methyl donor support) · Magnesium · CoQ10 · B-complex

PRESENTATIONS

100 mg

500 mg

1000 mg

Epithalon

Epitalon · AEDG tetrapeptide

A four-amino-acid pineal peptide (Ala-Glu-Asp-Gly) shown to induce telomerase expression in somatic cell culture and to normalise melatonin rhythm. Among the most-studied compounds in the Russian peptide-bioregulator literature.

RESEARCH AREAS

- Telomere length and cellular senescence
- Circadian and melatonin rhythm
- Antioxidant capacity
- Longevity models



RECOMMENDED SUPPORT SUPPLEMENTS

Melatonin · Vitamin D3 · Zinc · Magnesium · Resveratrol · Astaxanthin

PRESENTATIONS

10 mg

50 mg

MOTS-c

Mitochondrial-derived peptide

A 16-amino-acid peptide encoded in mitochondrial DNA rather than the nucleus. Translocates to the nucleus under metabolic stress and activates AMPK, improving insulin sensitivity and shifting substrate use — effectively an exercise-mimetic signal.

RESEARCH AREAS

- Insulin sensitivity and glucose handling
- Exercise capacity and VO2
- Mitochondrial biogenesis
- Age-related metabolic decline



RECOMMENDED SUPPORT SUPPLEMENTS

CoQ10 · Alpha-lipoic acid · L-carnitine · Magnesium · B-complex · PQQ

PRESENTATIONS

10 mg

40 mg

SS-31

Elamipretide · cardiolipin-targeting peptide

A cell-permeable tetrapeptide that concentrates on the inner mitochondrial membrane and binds cardiolipin. Stabilises cristae architecture, restores electron-transport efficiency and reduces reactive oxygen species at the source.

RESEARCH AREAS

- Mitochondrial myopathy models
- Cardiac and renal protection
- Age-related muscle function
- Oxidative stress reduction



RECOMMENDED SUPPORT SUPPLEMENTS

CoQ10 / ubiquinol · Alpha-lipoic acid · Acetyl-L-carnitine · Magnesium · PQQ · Riboflavin

PRESENTATIONS

140 mg

Pinealon

EDR tripeptide bioregulator

A short peptide bioregulator (Glu-Asp-Arg) that penetrates the blood-brain barrier and is reported to act at the level of gene expression in neuronal tissue, supporting protein synthesis and resistance to hypoxic and oxidative stress.

RESEARCH AREAS

- Neuroprotection and hypoxic stress
- Cognitive function in ageing
- Circadian regulation
- Cellular stress resistance



RECOMMENDED SUPPORT SUPPLEMENTS

Omega-3 (DHA) · Vitamin D3 · Magnesium L-threonate · Citicoline · B-complex

PRESENTATIONS

50 mg



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PHOTOS
VIDEOS
MUSIC

COGNITIVE, MOOD & SLEEP

Neuropeptides and regulatory sleep factors

Semax

Selank

DSIP

ACTH (4-10) analogue

Tuftsian analogue

Delta Sleep-Inducing Peptide

Semax

ACTH (4-10) analogue

A synthetic heptapeptide derived from adrenocorticotrophic hormone but stripped of hormonal activity. Raises BDNF and NGF expression in the hippocampus and modulates dopaminergic and serotonergic tone.

RESEARCH AREAS

- Cognitive performance and focus
- Neuroprotection after ischaemia
- BDNF and neuroplasticity
- Attention and executive function



RECOMMENDED SUPPORT SUPPLEMENTS

Omega-3 (DHA) · Citicoline or alpha-GPC · Magnesium L-threonate · B-complex · Vitamin D3 · Lion's mane

PRESENTATIONS

10 mg

15 mg

Selank

Tuftsins analogue

A synthetic analogue of the immunopeptide tuftsins with anxiolytic activity mediated through GABAergic and enkephalin pathways. Modulates anxiety without the sedation, tolerance or withdrawal profile of benzodiazepines.

RESEARCH AREAS

- Anxiety and stress-response models
- Cognitive performance under load
- Immune modulation
- Sleep quality and mood



RECOMMENDED SUPPORT SUPPLEMENTS

Magnesium glycinate · L-theanine · Vitamin B6 · Omega-3 · Zinc · Adaptogens (ashwagandha, rhodiola)

PRESENTATIONS

10 mg

15 mg

20 mg

DSIP

Delta Sleep-Inducing Peptide

A nonapeptide first isolated from the cerebral venous blood of sleeping rabbits. Promotes delta-wave (slow-wave) sleep and shows modulatory effects on corticotropin and stress-hormone rhythm.

RESEARCH AREAS

- Slow-wave sleep architecture
- Circadian normalisation
- Stress-hormone modulation
- Chronic pain research



RECOMMENDED SUPPORT SUPPLEMENTS

Magnesium glycinate · Glycine · L-theanine · Melatonin · Apigenin · Zinc

PRESENTATIONS

5 mg

10 mg



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IMMUNE & BARRIER

Thymic, antimicrobial and anti-inflammatory peptides

Thymosin Alpha-1

TA-1 · Thymalfasin

KPV

alpha-MSH (11-13) tripeptide

Thymosin Alpha-1

TA-1 · Thymalfasin

A 28-amino-acid thymic peptide that matures T-cells and restores balance between Th1 and Th2 responses. Signals through Toll-like receptors on dendritic cells and is used clinically in more than thirty countries for immune restoration.

RESEARCH AREAS

- Immune reconstitution
- Chronic viral infection models
- Vaccine response enhancement
- Oncology adjunct research



RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin D3 · Zinc · Vitamin C · Selenium · Quercetin · Beta-glucans

PRESENTATIONS

10 mg

KPV

alpha-MSH (11-13) tripeptide

The C-terminal tripeptide of alpha-melanocyte-stimulating hormone, retaining the parent molecule's anti-inflammatory activity without its pigmentary effects. Enters cells directly and inhibits NF-κB and inflammatory cytokine transcription.

RESEARCH AREAS

- Inflammatory bowel disease models
- Inflammatory skin conditions
- Mucosal barrier integrity
- Antimicrobial activity



RECOMMENDED SUPPORT SUPPLEMENTS

L-glutamine · Zinc carnosine · Omega-3 fatty acids · Curcumin · Probiotics · Vitamin D3

PRESENTATIONS

15 mg



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AESTHETIC & SEXUAL HEALTH

Melanocortin and copper-complex peptides

GHK-Cu

Melanotan II

PT-141

Copper tripeptide-1

Cyclic alpha-MSH analogue

Bremelanotide · MC4R agonist

GHK-Cu

Copper tripeptide-1

A naturally occurring copper-binding tripeptide (Gly-His-Lys) present in plasma, where concentration falls by roughly two-thirds between age twenty and sixty. Stimulates collagen, elastin and glycosaminoglycan synthesis and modulates several hundred genes toward a younger expression profile.

RESEARCH AREAS

- Collagen and elastin synthesis
- Skin firmness and photoageing
- Wound remodelling and scar quality
- Hair follicle stimulation

RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin C · Copper · Zinc · Collagen peptides · Hyaluronic acid · Silica

PRESENTATIONS

50 mg



Melanotan II

Cyclic alpha-MSH analogue

A cyclic lactam analogue of alpha-melanocyte-stimulating hormone that acts non-selectively across melanocortin receptors. MC1R activation drives eumelanin synthesis; MC4R activity accounts for the effects on appetite and sexual arousal.

RESEARCH AREAS

- Melanogenesis and UV-protective pigmentation
- Photoprotection research
- Appetite regulation
- Sexual function models

RECOMMENDED SUPPORT SUPPLEMENTS

Vitamin D3 · Antioxidants (vitamin C, E) · Astaxanthin · Zinc · Hydration and electrolytes

PRESENTATIONS

15 mg



PT-141

Bremelanotide · MC4R agonist

A melanocortin-4 receptor agonist that acts centrally in the hypothalamus rather than on the vasculature. Because it works upstream of blood flow, it addresses desire rather than mechanical function and is effective in both sexes.

RESEARCH AREAS

- Hypoactive sexual desire
- Central arousal pathways
- Female sexual dysfunction
- Non-vascular erectile research



RECOMMENDED SUPPORT SUPPLEMENTS

L-citrulline · Zinc · Vitamin D3 · Magnesium · Ginger (nausea support) · Omega-3 fatty acids

PRESENTATIONS

10 mg



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Sharing the peptide science.

IMPORTANT NOTICE

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Mechanism, research summaries and
supporting literature for every compound.

