



List of Peptides and What They Do

An A to Z reference by name, class, evidence and status.

84 reference entries. 9 families. Every entry labeled.

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How to Read This Chart

Each entry identifies the name, family, research area, evidence, route and status. Evidence and status matter most: they distinguish findings in people from lab work, and consumer products from laboratory research materials.

WHAT EACH FIELD MEANS

Peptide / aliases	The common name and other names used for the entry
Class or family	The structural or functional group it belongs to
Studied for	The research area, not a promised outcome
Evidence	The strength and type of published research
Route	Oral, injectable, topical or intranasal
Status	Consumer supplement, research material or prescription drug

EVIDENCE TIERS · ROUNDED TAGS

HUMAN TRIALS	Randomized controlled trials in people
HUMAN, LIMITED	Small, open label, single center, or from one research group
ANIMAL	Rodent or other animal models only
CELL AND LAB	Cell culture, cell-free systems or computational modeling

STATUS LABELS · SQUARE TAGS

CONSUMER CAPSULE	An oral consumer supplement
CONSUMER TOPICAL	A topical consumer formula
RESEARCH USE ONLY	Laboratory research material, never for personal use
PRESCRIPTION DRUG	An approved medicine requiring a prescription
RESEARCH COMPOUND	A laboratory compound not sold by either BioLongevity brand

This document contains no dosing instructions. Research use only is a regulatory status, not a quality grade. A compound can be 99% pure and still not be something a person should take.



A to Z Index

Find a name, then go to its reference page. Common aliases are included with each entry in the tables.

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Chonluten	8		M			Thymagen	8	
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Cortagen	8		MOTS-c	5		Tirzepatide	5	
D			N			V		
DSIP	6		N-acetyl larazotide	4		Vesilute	8	
E			NAD+	9		Vesugen	8	
Elamipretide	4		Noopept	6		Vilon	8	
Epithalon	6		O			VIP	4	
F			Ovagen	8				
FLGR242	5		Oxytocin	6				
FOXO4-DRI	6		P					
G			Pancragen	8				
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The 21 Khavinson bioregulators and two geroprotector complexes are grouped on page 7 by complex number, Khavinson name and BioLongevity product name.



Repair, Skin, Gut and Immune Peptides

TISSUE REPAIR, SKIN AND RECOVERY

PEPTIDE / ALIASES / FAMILY	STUDIED FOR	EVIDENCE	ROUTE / STATUS
BPC-157 Also: Body Protection Compound 157 15 amino acid gastric pentadecapeptide	Tendon, gut and soft tissue repair; vascular effects	ANIMAL	Oral, injectable, topical CONSUMER CAPSULE oral RESEARCH USE ONLY injectable
TB-500 Also: Thymosin beta-4 fragment Thymosin beta-4-derived research peptide	Actin regulation, cell migration, wound models	ANIMAL	Injectable RESEARCH USE ONLY
GHK-Cu Also: Copper tripeptide-1, Gly-His-Lys-Cu Copper-binding tripeptide	Collagen and elastin synthesis, skin remodeling, hair follicle size	HUMAN, LIMITED	Topical, oral, injectable CONSUMER CAPSULE oral RESEARCH USE ONLY injectable
ARA-290 Also: Cibinetide 11 amino acid erythropoietin-derived peptide	Small nerve fiber abundance, neuropathic pain	HUMAN TRIALS	Injectable RESEARCH USE ONLY
Elamipretide Also: SS-31, BioAmplify Mitochondria-targeting tetrapeptide	Cardiolipin binding and mitochondrial function	HUMAN TRIALS	Injectable RESEARCH USE ONLY
AK peptide complexes Also: AK-1, AK-3, AK-7, AK-8, AK-9, AK-12 Tissue-specific topical peptide complexes	Skin barrier and topical recovery formulas	CELL AND LAB	Topical CONSUMER TOPICAL

GUT, BARRIER AND IMMUNE

PEPTIDE / ALIASES / FAMILY	STUDIED FOR	EVIDENCE	ROUTE / STATUS
KPV Also: Lys-Pro-Val, alpha-MSH C-terminal fragment Tripeptide	Intestinal inflammation, NF-kB signaling	ANIMAL	Oral, injectable CONSUMER CAPSULE oral RESEARCH USE ONLY injectable
N-acetyl larazotide Also: Larazotide acetate, AT-1001 8 amino acid tight junction regulator	Intestinal permeability, gluten-related symptoms	HUMAN TRIALS	Oral CONSUMER CAPSULE
LL-37 Also: CAP-18, cathelicidin fragment 37 amino acid antimicrobial peptide	Antimicrobial activity, innate immune signaling	CELL AND LAB	Injectable RESEARCH USE ONLY
Thymosin alpha-1 Also: Thymalfasin, Ta1 28 amino acid thymic peptide	Immune modulation, T-cell function	HUMAN TRIALS	Injectable RESEARCH USE ONLY
Thymulin Also: Zinc-dependent thymic nonapeptide Thymic peptide	T-cell differentiation	CELL AND LAB	Injectable RESEARCH USE ONLY
VIP Also: Vasoactive intestinal peptide 28 amino acid neuropeptide	Vasodilation, gut and immune signaling	CELL AND LAB	Injectable, intranasal RESEARCH USE ONLY



Metabolic, Growth Hormone and Muscle Peptides

METABOLIC AND BODY COMPOSITION

PEPTIDE / ALIASES / FAMILY	STUDIED FOR	EVIDENCE	ROUTE / STATUS
Cagrilintide Also: AM833 Long-acting acylated amylin analog	Appetite regulation, body weight	HUMAN TRIALS	Injectable RESEARCH USE ONLY
Tesamorelin Also: Egrifta GHRH analog	Visceral adipose tissue, muscle density	HUMAN TRIALS	Injectable PRESCRIPTION DRUG RESEARCH USE ONLY lab
MOTS-c Also: Mitochondrial ORF of the 12S rRNA type-c 16 amino acid mitochondrial-derived peptide	Metabolic regulation, AMPK signaling, exercise biology	ANIMAL	Injectable RESEARCH USE ONLY
Semaglutide Also: Ozempic, Wegovy GLP-1 receptor agonist	Glycemic control, body weight	HUMAN TRIALS	Injectable, oral PRESCRIPTION DRUG
Tirzepatide Also: Mounjaro, Zepbound Dual GIP and GLP-1 agonist	Glycemic control, body weight	HUMAN TRIALS	Injectable PRESCRIPTION DRUG
AOD-9604 Also: hGH fragment 176-191 Growth hormone C-terminal fragment	Lipolysis in animal models	ANIMAL	Injectable, oral RESEARCH COMPOUND

GROWTH HORMONE AND MUSCLE SIGNALING

PEPTIDE / ALIASES / FAMILY	STUDIED FOR	EVIDENCE	ROUTE / STATUS
Ipamorelin Pentapeptide growth hormone secretagogue	Selective growth hormone release	ANIMAL	Injectable RESEARCH USE ONLY
CJC-1295 (no DAC) Also: Modified GRF 1-29 GHRH analog	Growth hormone pulse amplitude	ANIMAL	Injectable RESEARCH USE ONLY
PEG-MGF Also: PEGylated mechano growth factor 24 residue IGF-1Ec E-domain fragment	Muscle repair signaling after mechanical load	CELL AND LAB	Injectable RESEARCH USE ONLY
IGF-1 LR3 analogs Also: BiolGF-LR Long-acting IGF-1 analog	IGF-1 axis research	CELL AND LAB	Injectable RESEARCH USE ONLY
FLGR242 Selective myostatin pathway inhibitor	Myostatin signaling in muscle models	CELL AND LAB	Injectable RESEARCH USE ONLY



Brain, Hormone and Longevity Peptides

BRAIN, MOOD AND SLEEP

PEPTIDE / ALIASES / FAMILY	STUDIED FOR	EVIDENCE	ROUTE / STATUS
Semax Also: N-acetyl semax amide, ACTH(4-10) analog Melanocortin-derived neuropeptide	Cognition, neuroprotection, stroke recovery models	HUMAN, LIMITED	Intranasal, injectable RESEARCH USE ONLY
Selank Also: Tuftsin analog Heptapeptide	Anxiety and stress response models	HUMAN, LIMITED	Intranasal RESEARCH COMPOUND
DSIP Also: Delta sleep-inducing peptide 9 amino acid neuropeptide	Sleep architecture, stress response	CELL AND LAB	Injectable RESEARCH USE ONLY
Noopept Also: N-phenylacetyl-L-prolylglycine ethyl ester Dipeptide-derived nootropic	Memory and cognitive endpoints	HUMAN, LIMITED	Oral RESEARCH COMPOUND
Oxytocin 9 amino acid neurohypophysial hormone	Social behavior, uterine contraction	HUMAN TRIALS	Injectable, intranasal PRESCRIPTION DRUG RESEARCH USE ONLY lab

SEXUAL HEALTH AND HORMONE SIGNALING

PEPTIDE / ALIASES / FAMILY	STUDIED FOR	EVIDENCE	ROUTE / STATUS
PT-141 Also: Bremelanotide, Vyleesi 7 amino acid melanocortin receptor agonist	Sexual desire and related distress	HUMAN TRIALS	Injectable, intranasal PRESCRIPTION DRUG RESEARCH USE ONLY lab
Melanotan-1 Also: Afamelanotide, Scenesse Alpha-MSH analog	Photoprotection, melanin density	HUMAN TRIALS	Injectable implant PRESCRIPTION DRUG RESEARCH USE ONLY lab
Melanotan-2 Also: MT-2 Alpha-MSH analog	Pigmentation and melanocortin signaling	CELL AND LAB	Injectable RESEARCH COMPOUND
Kisspeptin-10 Also: KP-10 Decapeptide	GnRH release and the reproductive axis	HUMAN, LIMITED	Injectable RESEARCH USE ONLY

CELLULAR AGING AND LONGEVITY

PEPTIDE / ALIASES / FAMILY	STUDIED FOR	EVIDENCE	ROUTE / STATUS
Epithalon Also: Epitalon, AEDG Khavinson tetrapeptide	Telomerase activity in cell models, melatonin rhythm	HUMAN, LIMITED	Injectable, oral RESEARCH USE ONLY
FOXO4-DRI Also: Proxofim D-retro-inverso peptide	Senescent cell clearance	ANIMAL	Injectable RESEARCH USE ONLY
Klotho Also: AlphaKlotho-LR Recombinant protein with albumin-binding peptide	Aging biology and kidney signaling	ANIMAL	Injectable RESEARCH USE ONLY
PNC-27 32 residue p53 HDM-2 chimeric peptide	Tumor cell membrane models	CELL AND LAB	Injectable RESEARCH USE ONLY



Khavinson Peptide Bioregulators

A-1 to A-21

These oral bioregulators are named for their tissue focus. The table pairs each Khavinson name with its BioLongevity product name.

CONSUMER CAPSULE

HUMAN, LIMITED

All 23 entries share the same route and status: oral capsule, consumer supplement.

COMPLEX	KHAVINSON NAME	BIOLONGEVITY NAME	TISSUE FOCUS
A-1	Suprefort	BioPancreas	Pancreas
A-2	Thyreogen	BioThyroid	Thyroid
A-3	Ventfort	BioBloodVessels	Blood vessels
A-4	Sigumir	BioCartilage	Cartilage
A-5	Cerluten	BioNervousSystem	Nervous system
A-6	Vladonix	BioThymus	Thymus
A-7	Svetinorm	BioLiver	Liver
A-8	Endoluten	BioPineal	Pineal gland
A-9	Pielotax	BioKidney	Kidney
A-10	Stamakort	BioStomach	Stomach
A-11	Visoluten	BioRetina	Retina
A-12	Chitomur	BioBladder	Bladder
A-13	Testoluten	BioTestes	Testes
A-14	Chelohart	BioHeart	Heart
A-15	Zhenoluten	BioOvary	Ovary
A-16	Libidon	BioProstate	Prostate
A-17	Glandokort	BioAdrenal	Adrenal glands
A-18	Gotratix	BioMuscle	Skeletal muscle
A-19	Taxorest	BioLung	Lungs
A-20	Bonomarlot	BioBoneMarrow	Bone marrow
A-21	Bonothyrc	BioParathyroid	Parathyroid
Geroprotector	GPL Man	BioMale	Multi-system complex for men
Geroprotector	GPL Femme	BioFemale	Multi-system complex for women

Published human work on this family comes predominantly from one research program in St Petersburg. Family evidence tier: HUMAN, LIMITED.



Khavinson Short Peptides and Peptide Blends

KHAVINSON INJECTABLE SHORT PEPTIDES (CYTOGENS)

RESEARCH USE ONLY

CELL AND LAB

Lyophilized powder for laboratory research. Not for personal use.

PEPTIDE	SEQUENCE	TISSUE FOCUS IN RESEARCH
Bronchogen	Ala-Glu-Asp-Leu (AEDL)	Bronchial and lung tissue
Cardiogen	Ala-Glu-Asp-Arg (AEDR)	Cardiac fibroblasts and cardiomyocytes
Cartalax	Ala-Glu-Asp (AED)	Cartilage and bone metabolism
Chonluten	Tripeptide, also labelled T-34	Bronchial mucosa
Cortagen	Ala-Glu-Asp-Pro (AEDP)	Brain cortex and nervous system
Livagen	Lys-Glu-Asp-Ala (KEDA)	Liver tissue models
Ovagen	Glu-Asp-Leu (EDL)	Kidney tissue models
Pancragen	Lys-Glu-Asp-Trp (KEDW)	Pancreatic tissue
Pinealon	Short peptide cytogen	Neuronal cell models
Prostamax	Tetrapeptide	Prostate tissue
Testagen	Lys-Glu-Asp-Gly (KEDG)	Pituitary and thyroid signaling
Thymagen	Glu-Trp (Thymogen)	Thymus and immune signaling
Vesilute	Glu-Asp	Urinary tract tissue
Vesugen	Lys-Glu-Asp (KED)	Vascular endothelium
Vilon	Khavinson short peptide	Immune cell signaling and gene expression

PEPTIDE BLENDS SOLD UNDER A SINGLE NAME

BLEND	COMPOSITION	ROUTE / STATUS
GLOW	GHK-Cu, BPC-157, TB-500	Injectable RESEARCH USE ONLY
KLOW	GHK-Cu, BPC-157, TB-500, KPV	Injectable RESEARCH USE ONLY

KPV is the only difference between the two listed blends. Composition identifies the ingredients; it is not a dosing or use instruction.



Related Compounds and Collagen Peptides

Most entries below are small molecules, coenzymes or amino acid derivatives that are often grouped with peptides. Collagen peptides are the exception: they are peptide fragments.

COMPOUND / IDENTITY	STUDIED FOR	EVIDENCE	ROUTE / LISTING STATUS
SLU-PP-332 Synthetic ERR nuclear receptor agonist	Energy expenditure and fatty acid oxidation	ANIMAL	Oral, injectable CONSUMER CAPSULE ShredMAX (BioLongevity Supplements)
5-Amino-1MQ Small-molecule NNMT inhibitor	NAD salvage pathway, muscle stem cell activity	ANIMAL	Oral, injectable RESEARCH USE ONLY Research use only as a standalone
BAM15 Mitochondrial protonophore and uncoupler	Energy expenditure, glycemic control	ANIMAL	Oral CONSUMER CAPSULE BioBam-15 (BioLongevity Supplements)
ATX-304 Direct AMPK activator	AMPK pathway activation	EARLY STAGE	Oral CONSUMER CAPSULE BioAmp (BioLongevity Supplements)
Tesofensine Triple monoamine reuptake inhibitor	Appetite and body weight	HUMAN TRIALS	Oral CONSUMER CAPSULE BioFlow (BioLongevity Supplements)
NAD+ Coenzyme, not a peptide	Cellular energy and sirtuin activity	HUMAN, LIMITED	Oral, injectable RESEARCH USE ONLY Injectable status only Research use only as an injectable
Collagen peptides Hydrolyzed protein fragments	Skin and joint endpoints	HUMAN TRIALS	Oral CONSUMER SUPPLEMENT Widely sold as a food supplement
L-carnitine Quaternary ammonium compound	Fatty acid transport	HUMAN TRIALS	Oral, injectable RESEARCH USE ONLY Injectable status only Research use only as an injectable

EARLY STAGE marks ATX-304 as an early-stage entry, distinct from the human-trial tier.

Collagen peptides are peptides. They are hydrolyzed protein fragments used as a nutritional ingredient, rather than the same category of signaling compound as most entries in this index.

Want the version organized by goal?

This chart is the index. The peptide cheat sheet is the guide, with forms, labels and how to read a Certificate of Analysis. Both are free on the blog.

Where to find the ones you can buy

The peptide capsules collection includes oral versions of entries on this list, including BPC-157, KPV, GHK-Cu and N-acetyl larazotide. Review the product label and batch Certificate of Analysis before you buy.

[Explore the peptide capsules collection](#)

Sources. See the companion article and its reference list for the supporting research and DOI links.

This document contains no dosing instructions. Research use only compounds are supplied for laboratory research and are not intended for human use. Nothing here is a recommendation to use any compound.

Ask a qualified clinician before starting any supplement if you are pregnant, nursing, taking medication, or managing a medical condition.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.