



PROVIDER PEPTIDE INFORMATION DECK



PROVIDER PEPTIDE INFORMATION SHEET

5-AMINO-1MQ

WHAT IS 5-AMINO-1MQ? +

5-Amino-1MQ (5-amino-1-methylquinolinium) is a small, selective molecule that has gained attention for its potential to enhance fat loss and improve metabolic health. It primarily works by inhibiting an enzyme called NNMT (nicotinamide N-methyltransferase), which plays a role in fat storage and metabolic function.

DOSING? +

Week 1: 50mg QD. Week 2: 50mg 2x QD. Week 3+4: 50mg 3x QD. Month 4: OFF. Month 5+ 6 50mg 3x QD. Month 7: OFF. Month 8+9 50mg 3x QD. Month 10: OFF. Month 11+12 50mg 3x QD

ADVERSE EFFECTS? +

Fairly new- limited data

Interactions with metabolic or hormonal systems, but no major adverse effects have been consistently reported

BENEFITS OF 5-AMINO-1MQ +

FAT LOSS

INCREASED ENERGY LEVELS

IMPROVED INSULIN SENSITIVITY

MUSCLE PRESERVATION

ANTI-AGING

**** GREAT ADJUNCT
WITH GLP-1 THERAPY ****

Clinical Pearls

5-amino-1MQ is a small molecule that blocks the activity of the enzyme called nicotinamide N-methyltransferase (NNMT). NNMT is a very important component in metabolism and energy and is predominantly active in fat tissue. By blocking NNMT, 5-amino-1MQ stimulates an increase in nicotinamide adenine dinucleotide (NAD+), a cofactor that is central to cellular metabolism, thereby increasing metabolic rate and activating a gene called sirtuin-1 (SIRT1). SIRT1 is also known as the "longevity gene" because of its role in reducing the risk of diabetes, obesity, metabolic syndrome, atherosclerosis and other forms of cardiovascular disease, kidney disease, liver disease, neurodegeneration, and cancer. Research in mice given 5-amino-1MQ showed a 7% reduction in body mass over 10 days without any changes in food intake, compared to controls. Research has shown that decreasing NNMT may help shrink fat cells and reduce the size of fat deposits.

PROVIDER PEPTIDE INFORMATION SHEET

BPC-157

WHAT IS BPC 157? +

BPC-157 (Body Protection Compound-157) is a peptide first derived from gastric juices.

BPC-157 is most often used to treat stomach and intestinal conditions such as inflamed intestinal epithelium (leaky gut), eosinophilic esophagitis, and inflammatory bowel disease; however, its abilities to improve type 1 collagen and increase blood flow via angiogenesis means it can be a powerful peptide for wound healing and overall tissue regeneration following injuries.

POTENTIAL SIDE EFFECTS? +

- Injection site reactions
- Nausea
- Edema
- Rash

BENEFITS OF BPC-157? +

- Helps heal tissues
- Neuroprotective
- Gastroprotective
- Promotes Wound Healing
- Speeds Up Tissue Regeneration
- Reduces Inflammation
- Increases Blood Flow (stimulates NO (nitric oxide))
- Relieves Joint Pain
- Boosts Immune Function
- Improves Muscle Strength and Endurance

General Wellness Dosing

01 BPC-157 2mg/mL (5mL MDV)

OR Inject 20 Units SubQ Daily

02 BPC-157 500mcg Oral Capsules

Take 1-2 capsule po daily

Tissue Injury Dosing



03 BPC-157 4mg/mL (5mL MDV)

Inject 15 Units SubQ at the site of injury twice daily

AVAILABLE DOSAGE FORMS:

01 BPC-157 2mg/mL (5mL MDV)

02 BPC 157 500mcg Oral Capsules

03 BPC 4mg/mL (5mL MDV)

PROVIDER PEPTIDE INFORMATION SHEET

CJC1295/IPAMORELIN

WHAT IS CJC 1295/IPAMORELIN?



- CJC 1295 is a growth hormone releasing hormone (GHRH) analogue = Growth hormone mimetic
- Stimulates pituitary endogenous GH (growth hormone)
- Increases endogenous IGF-1 (insulin-like growth factor-1)

CJC 1295/ IPAMORELIN CLINICAL PEARLS



CJC 1295/Ipamorelin is taken together for synergistic effects to maximize the amount of growth hormone being released into your body. The combination will elevate GH and IGF-1 levels above physiological levels with minimal effects on ghrelin, prolactin, ACTH and cortisol. The combination is also used for burns or significant soft-tissue injury, post surgery.

BENEFITS OF CJC 1295/IPAMORELIN?



- Improved physical performance
- Increased muscle mass
- Weight loss support
- Thermogenic - fat burning
- Improved recovery from exercise and injury
- Increased bone density
- Cardiovascular support
- Improved sex drive
- Neuroprotection
- Improved cognition and memory
- Used for burns or significant soft-tissue injury, post surgery
- Improves Growth Hormone levels w/ minimal effects on ghrelin, prolactin, ACTH and cortisol
- Increases IGF-1
- Energy levels also seem to be improved when using the combination.
- Helps promote deep wave REM sleep

POTENTIAL SIDE EFFECTS?



Flushing	Edema
Injection site reaction	Joint and
Rash	Muscle Pain

WARNINGS:



CJC1295/Ipamorelin should not be used while pregnant or breastfeeding. Always tell your physician about all medications and supplements, especially corticosteroids and thyroid medications, that you are taking.

Growth Hormone may be mitogenic; if patient prone to cancer or has cancer, use with caution

Growth Hormone may mask symptoms of hypothyroidism

DOSAGE

01

Dosage Amount: CJC-1295/Ipamorelin 2mg-2mg/mL (5mL MDV)

02

Inject 10units to 20units (200mcg-400mcg) SubQ at bedtime 5 nights weekly on an empty stomach

PROVIDER PEPTIDE INFORMATION SHEET

DIHEXA

WHAT IS DIHEXA?

Dihexa is a promising nootropic and neurogenic peptide with significant potential for enhancing cognitive function, memory, and neural repair. It promotes neurogenesis, mimics BDNF, and helps repair brain damage, making it a candidate for treating Alzheimer's disease, Parkinson's disease, and other neurodegenerative conditions. Dihexa is also being explored as a nootropic for cognitive enhancement in healthy individuals.

DIHEXA CLINICAL PEARLS

Alzheimer's Disease: Dihexa has been studied for its ability to enhance memory and cognitive function in individuals with Alzheimer's disease by promoting neural growth and repair.
Parkinson's Disease: Its neuroprotective properties make it a candidate for treating Parkinson's disease, potentially helping to repair dopamine neurons.
Traumatic Brain Injury (TBI): Dihexa may support recovery from brain injuries by stimulating neural regeneration and improving cognitive outcomes.
Cognitive Enhancement: As a nootropic, Dihexa is explored for its use in enhancing learning, memory, and focus in healthy individuals or those with cognitive impairments.

BENEFITS OF DIHEXA

- Cognitive enhancement
- Neuroprotection and repair
- Enhanced learning and memory
- Potential for treating Neurodegenerative DX
- Non-toxic and minimal side effects

POTENTIAL SIDE EFFECTS?

- Reported safe in recommended doses*
- Nervousness*
- Irritability*

WARNINGS:

Limited Data: Since Dihexa is a relatively new compound, long-term studies on its side effects are limited, but early research indicates low toxicity and minimal side effects in short-term use.
Unknown Long-Term Effects: As with many novel peptides, the long-term effects of Dihexa are not fully understood and require further research.

DOSAGE

01 20mg po daily, may increase to 40mg daily

02 5mg, 10mg, 20mg available

PROVIDER PEPTIDE INFORMATION SHEET

EPITHALON

WHAT IS EPITHALON? +

EPITHALON/EPITALON

Epithalon is a short, 4 amino acid chain peptide (called a peptide bioregulator) used to regulate the cell cycle through upregulation of telomerase activity. It has been reported to have distinctive anti-aging and anti-tumor activity across many animal and human studies. Epithalon acts as an antioxidant and increases corticosteroids. The life extension and anti-aging properties, amongst a variety of different clinical indications, of Epithalon are profound.

DOSING? +

EPITHALON 10mg/mL (5mL)

Inject 10mg SubQ, Q 3 days for 15 days, repeat twice annually.

ADVERSE EFFECTS? +

Injection site reactions

Safe in recommended doses

BENEFITS OF EPITHALON +

Anti-aging - promotes proliferation of lymphocytes in thymus during aging

Telomere lengthening

Sleep regulation - helps restore melatonin levels

Neuroprotection, cognitive support

Mood support

Antioxidant - decreases lipid oxidation, improves glutathione pools

Clinical Pearls

Telomerase Activation: Epithalon has been shown to stimulate the production of telomerase, an enzyme that helps maintain or lengthen telomeres, the protective caps at the ends of chromosomes. As telomeres shorten with age, their maintenance is linked to cellular health and longevity.

Antioxidant Properties: It is believed to reduce oxidative stress and free radical damage, which are contributing factors to aging and many age-related diseases.

Circadian Rhythm Regulation: Epithalon may help normalize the circadian rhythm by regulating the pineal gland's secretion of melatonin, which could improve sleep patterns and other biological processes tied to this rhythm.

Immune System Support: It may have a beneficial effect on the immune system, potentially improving immune response, especially in older individuals.

Anti-Tumor Effects: Some research has suggested that Epithalon might have a role in cancer prevention by inhibiting tumor growth and supporting normal cellular regulation.

Life Extension in Animal Studies: Animal studies have shown that Epithalon can extend lifespan and improve markers of aging, though more human trials are needed to confirm its efficacy.

PROVIDER PEPTIDE INFORMATION SHEET

GHK-Cu (Copper Peptide)

WHAT IS GHK-Cu? +

GHK-Cu is a human plasma copper-binding peptide with a wide assortment of biological activities that appear to counter age-associated metabolic imbalances and health conditions. Copper is required for more than a dozen vital enzymes in the human body and skin including those that participate in connective tissue formation, antioxidant defense and cellular respiration.

POTENTIAL SIDE EFFECTS? +

- Injection site reactions

- Monitor for zinc/copper imbalance, recommend patient to take OTC zinc supplement daily

BENEFITS OF GHK-Cu? +

- Anti-aging Support
- Skin Regeneration
- Improves Skin Elasticity
- UV Protection
- Hair Growth/Re-Growth
- Anti-Inflammatory
- Neuroprotective
- Cognitive/Neurodegeneration Support
- Stimulates Wound Healing
- Increases Hair Growth, Thickness & Hair Follicle Size

Anti-Aging Dosing

GHK-Cu 10mg/mL (5mL MDV)
Inject 15 Units SubQ Daily for 20 days/month

Topical Anti Wrinkle Cream

GHK-Cu 0.5% Biopeptide Cream
Apply 1-2 pumps to face every evening

Hair Re-Growth Foam

GHK-Cu 0.5%/Biotin 0.5% Scalp Foam
Apply 2-3 pumps to scalp daily

AVAILABLE DOSAGE FORMS:

01 GHK-Cu 10mg/mL (5mL MDV)

GHK-Cu 0.5% Biopeptide Cream **02**
(30g)

GHK-Cu 0.5%/Biotin 0.5% Scalp Foam **03**
(30g)

PROVIDER PEPTIDE INFORMATION SHEET

IBUTAMOREN/MK-677

WHAT IS MK-677/ IBUTAMOREN?



Ibutamoren (also known as MK-677) is a non-peptide compound that mimics the action of ghrelin, a hormone that stimulates growth hormone (GH) release. It is commonly grouped with peptides due to its similar effects on growth hormone levels, but technically, it is not a peptide. Ibutamoren acts as a growth hormone secretagogue, meaning it promotes the secretion of growth hormone.

MK-677/IBUTAMOREN CLINICAL PEARLS



Ibutamoren binds to ghrelin receptors in the brain, stimulating the release of growth hormone from the pituitary gland. This results in increased levels of growth hormone and insulin-like growth factor 1 (IGF-1), both of which are crucial for muscle growth, tissue repair, and metabolism regulation.

BENEFITS OF IBUTAMOREN/MK-677



- Increases Growth Hormone Levels/ IGF-1 Levels
- Promotes Muscle Growth and strength Enhances Fat Loss
- Improves Sleep Quality
- Supports Bone Health
- Increases Appetite

POTENTIAL SIDE EFFECTS?



- Increased hunger
- Water retention and edema
- Possible insulin resistance
- Joint pain

WARNINGS:



- Insulin Resistance and Blood Sugar Issues
- Water Retention and Edema
- Increased Appetite
- Potential for Lethargy
- Joint Pain and Stiffness
- Possible Impact on Cortisol and Prolactin Levels
- Risk of Tumor Growth

DOSAGE

01

25mg capsule at bedtime

02

Also available in 50mg capsule.

PROVIDER PEPTIDE INFORMATION SHEET

METHYLENE BLUE

WHAT IS METHYLENE BLUE

Methylene blue is a versatile compound with nootropic and neuroprotective properties, supporting brain health and mitochondrial function. It enhances memory, improves cognitive performance, and protects neurons from oxidative stress, making it a potential treatment for neurodegenerative conditions like Alzheimer's and Parkinson's disease. MB can also boost mood and energy levels, though it carries some risks, such as the possibility of serotonin syndrome when used with certain medications. It is used primarily in low doses, often in research or therapeutic settings, for its cognitive and mitochondrial benefits.

METHYLENE BLUE CLINICAL PEARLS

Methylene Blue (MB) is a synthetic compound with a long history of use in medicine, primarily as a dye and antiseptic. More recently, it has gained attention for its potential nootropic, neuroprotective, and mitochondrial-enhancing properties. While it is not a peptide, methylene blue has been studied for its ability to improve cognitive function, protect against neurodegenerative diseases, and enhance cellular energy production. It is used in low doses to support brain health, improve memory, and enhance overall cognitive performance.

BENEFITS OF METHYLENE BLUE

- Cognitive enhancement
- Neuroprotective
- Mood stabilization
- Mitochondrial enhancement
- Anti-aging effects
- ADHD
- Long COVID

POTENTIAL SIDE EFFECTS?

- Urine and skin discoloration*
- Serotonin syndrome*
- Digestive issues*
- Photosensitivity*
- Hemolytic anemia- for patients with G6PD deficiency*

WARNINGS:

- People with renal failure*
- People who are pregnant or breastfeeding*
- Take meds that raise serotonin levels*
- People with a G6PD deficiency*

DOSAGE

01 Lyme disease: 50mg 2x daily
ADHD: 100mg 3x daily
Dementia: 25mg 1x daily

02 IV Therapy: 1-2mg/kg body weight infused over 5 minutes. May repeat dose after 1 hour prn. Max dose 7mg/kg.

PROVIDER PEPTIDE INFORMATION SHEET

MOT-C

WHAT IS MOT-C? +

MOT-C peptide is a short bioactive peptide that has garnered attention in the field of metabolic research, especially for its potential effects on energy regulation and longevity. MOTS-C holds great potential as a target to treat metabolic signaling issues by regulating muscle and fat physiology, and perhaps even extend a healthy lifespan. MOTS-C is a 16-amino acid peptide encoded within the 12S rRNA region of mtDNA. It is measured in plasma and multiple tissues including muscle, brain and liver. MOTS-C levels are correlated with insulin resistance in lean, not obese, individuals. MOTS-C is also involved in bone and cardiovascular health.

DOSING? +

→ **MOT-C 10mg/mL (5mL)**

Inject 5mg, SQ 2x per week, can go up to 10mg

ADVERSE EFFECTS? +

Injection site reactions

*****Monitor Folate/Homocysteine Levels OR supplement with OTC Folate 1200mcg Daily**

BENEFITS OF MOT-C +

Metabolic regulation/weight loss

Exercise Mimetic

Anti Aging Properties

Helps Mitochondrial Dysfunction

Anti Inflammatory

Clinical Pearls

Mitochondrial origin: Unlike most proteins, which are encoded by nuclear DNA, MOTS-c is encoded by mitochondrial DNA. This peptide plays a role in mitochondrial function, which is crucial for energy production in cells.

Metabolic regulation: MOTS-c has been found to regulate metabolism, particularly by enhancing glucose metabolism and promoting insulin sensitivity. This makes it a topic of interest in the context of metabolic disorders like obesity and type 2 diabetes.

Exercise mimetic effects: Research suggests that MOTS-c mimics some of the beneficial effects of exercise by influencing metabolic pathways that control fat and carbohydrate metabolism. It has been linked to improved endurance and protection against metabolic stress.

Anti-aging potential: There is some evidence suggesting that MOTS-c may have protective effects against age-related metabolic decline, possibly by improving mitochondrial function and reducing inflammation.

PROVIDER PEPTIDE INFORMATION SHEET

NAD+

WHAT IS NAD+?



NAD+ is a vital coenzyme involved in various metabolic processes, playing a central role in energy production, DNA repair, and cellular communication. NAD+ levels naturally decline with age, which has been linked to decreased cellular function and the aging process.

NAD+ CLINICAL PEARLS



NAD+ is the biologically functional form of NAD containing catalytic properties. The state of NAD is modified after it receives electrons which sees it transform into a diminished form of NAD, referred to as NADH. NAD+ plays a pivotal role in cellular metabolism and is a co-substrate for enzymes that play key roles in pathways that modify aging. Thus, interventions that increase NAD+ may slow aspects of the aging trajectory.

BENEFITS OF NAD+?



Boosts energy levels and combats fatigue

Enhances cognitive function and mental clarity.

Supports healthy aging by maintaining optimal cellular function.

Improves muscle recovery and physical performance.

Promotes healthy skin by aiding in tissue repair and regeneration.

Supplements addiction recovery.

Assists in weight management.

Supports pain management.

Improves mood- boosts serotonin.

POTENTIAL SIDE EFFECTS?



Nausea
Brain fog
Cramping during therapy
Redness, swelling at site
Bruising at injection site

Headaches
Phlebitis (rare)
Fatigue
Diarrhea
Abdominal pain

WARNINGS:



People with a history of bipolar disorder, psychosis, or suicidal thoughts.

Additionally, people with a known allergy to NAD or its components should not receive NAD therapy.

DOSAGE

01

200mg/mL MDV (10mL)
Inject 25-50 units IM 1-3x weekly
Inject 25-50 units SQ 3x weekly

02

IV Therapy: 250-1000mg infused over 1-3 Hours

PROVIDER PEPTIDE INFORMATION SHEET

PT-141

WHAT IS PT-141? +

PT-141 (Bremelanotide) is a peptide treatment for sexual dysfunction in both men and women. It works by stimulating the brain's melanocortin receptors, which are involved in sexual desire and arousal. Its benefits include treating female sexual arousal disorder and erectile dysfunction, particularly in cases where other treatments may be ineffective. While it offers a non-hormonal option for enhancing libido, side effects such as nausea and increased blood pressure should be monitored.

PT-141 CLINICAL PEARLS +

PT-141 was originally developed as a tanning agent, but its primary use today is for the treatment of sexual dysfunction. Unlike other sexual health drugs, such as sildenafil (Viagra), which work by affecting blood flow, PT-141 works by directly stimulating the central nervous system, specifically targeting the melanocortin receptors involved in sexual arousal.

BENEFITS OF PT-141 +

Treatment of sexual dysfunction in women (FSAD)

Treatment of erectile dysfunction in men (ED)

Increased libido

Non-hormonal

POTENTIAL SIDE EFFECTS? +

Nausea and vomiting

Headache

Flushing

Increased blood pressure

WARNINGS: !

GI distress is common (including nausea)

Using before bedtime may affect sleep

Do not use if patient has hypertension

If tachycardia develops, stop use

If priapism develops, stop use (erection longer than 4 hours)

Do not use more than 1 dose in 24 hours and not more than 8 doses per month.

DOSAGE

01 10mg/mL (2mL) Inject 10 units up to 20 units SQ, 1 hour before intercourse

02 Nasal spray: 1-2 sprays per nostril, 1-4 hour before sexual activity

PROVIDER PEPTIDE INFORMATION SHEET

RAPAMYCIN (SIROLIMUS)

WHAT IS RAPAMYCIN (SIROLIMUS)?



Rapamycin is a versatile drug primarily used for its immunosuppressive properties in organ transplants and as a treatment for certain cancers. Its ability to inhibit the mTOR pathway has made it a subject of intense research in the field of longevity and anti-aging, with studies showing potential benefits in extending lifespan, improving metabolic health, and protecting against age-related diseases

RAPAMYCIN CLINICAL PEARLS



Rapamycin (also known as sirolimus) is a drug originally discovered in the 1970s, derived from a bacterium found on Easter Island (Rapa Nui). It is primarily used as an immunosuppressant to prevent organ transplant rejection and as a treatment for certain cancers. More recently, rapamycin has gained attention for its potential role in anti-aging and longevity research due to its ability to inhibit the mTOR (mechanistic target of rapamycin) pathway, which is linked to cellular growth, metabolism, and aging processes.

BENEFITS OF RAPAMYCIN



- Organ Transplantation
- Cancer Treatment
- Longevity and Anti-Aging
- Neuroprotection
- Improved Metabolic Health

POTENTIAL SIDE EFFECTS?



- Delayed wound healing since it slows cell growth*
- Metabolic issues*
- Mouth Ulcers*
- Lung + Kidney toxicity- prolonged use*

WARNINGS:



- Not safe for pregnant or breastfeeding women.*
- Should only be used to prevent organ rejection in kidney transplant patients, but never in liver or lung transplant patients, due to increased risk of serious complications.*

DOSAGE

01

6mg capsules: anti-aging 1 capsule/week

02

2mg, 4mg and 6mg capsules available

PROVIDER PEPTIDE INFORMATION SHEET

SELANK

WHAT IS SELANK?



Selank is a synthetic peptide that offers anxiolytic, nootropic, and neuroprotective benefits. It helps reduce anxiety, improve mood, and enhance cognitive function by modulating neurotransmitter levels, such as serotonin and dopamine, while also supporting immune balance. Unlike traditional anti-anxiety medications, Selank does not have sedative effects, making it a popular choice for those seeking relief from anxiety and stress while maintaining mental clarity and focus. With minimal side effects and versatile applications, Selank is used to promote mental well-being, cognitive performance, and stress resistance.

SELANK CLINICAL PEARLS



Selank is a synthetic peptide derived from the naturally occurring peptide tuftsin, which plays a role in the immune system. It is primarily used for its anxiolytic (anti-anxiety), nootropic (cognitive-enhancing), and neuroprotective effects. Selank is widely utilized for reducing anxiety, improving mood, enhancing cognitive function, and supporting overall brain health, without the sedative side effects typically associated with traditional anti-anxiety medications.

BENEFITS OF SELANK



- Anxiolytic- affects GABAergic system
- No addiction potential or hangover
- Nootropic (cognitive support)
- Immune support- antiviral, anticancer
- Adaptogenic
- Inflammatory regulation
- Gastric ulcer healing
- Improves post-meal digestive issues

POTENTIAL SIDE EFFECTS?



- Injection site erythema*
- Rash*
- Edema*
- Joint and muscle pain*

WARNINGS:



- Reported safe in recommended dosages.*
- Safety in pediatrics not established.*
- Use with caution if using other anti-anxiety or psychotropic drugs.*
- Closed/sealed can be stored outside fridge for up to 4 weeks.*
- Open can be stored outside fridge for 2 weeks.*

DOSAGE

01

Nasal .15% (3mL) Use 2-3 drops (400-600mcg) in each nostril 2-3x daily

02

Used for quick anxiety relief!

PROVIDER PEPTIDE INFORMATION SHEET

SEMAX

WHAT IS SEMAX? +

Semax is a powerful nootropic and neuroprotective peptide known for its ability to enhance cognitive function, improve memory, and protect the brain from damage due to stroke or neurodegenerative diseases. By increasing BDNF levels and modulating neurotransmitters, it promotes learning, mood enhancement, and mental clarity while offering significant protection for neurons. Semax is widely used for cognitive enhancement, stress reduction, and neurological recovery with minimal side effects. Its primary administration method is via a nasal spray, making it convenient for regular use.

SEMAX CLINICAL PEARLS +

Semax is a synthetic peptide originally developed in Russia to treat various neurological conditions. It is derived from a fragment of the adrenocorticotrophic hormone (ACTH) but lacks hormonal activity, focusing instead on its nootropic and neuroprotective effects. Semax is widely used for improving cognitive function, enhancing memory, reducing stress, and protecting the brain from damage due to stroke or other neurological conditions.
****Alternate with Selank to improve cognitive function.**

BENEFITS OF SEMAX +

- Cognitive enhancement
- Neuroprotection
- Mood enhancement and stress reduction
- Treatment for neurological conditions
- Increased attention and focus
- Stroke Recovery
- Traumatic brain injury (TBI)
- Cognitive impairment
- ADHD

POTENTIAL SIDE EFFECTS? +

- Injection site erythema*
- Rash*
- Edema*
- Joint and muscle pain*

WARNINGS: !

- Reported safe in recommended dosages.*
- Safety in pediatrics not established.*
- Reported to have more sedative activity than selank.*
- Closed/sealed can be stored outside fridge for up to 4 weeks.*
- Open can be stored outside fridge for 2 weeks.*

DOSAGE

01

.75% = 7.5mg/mL (5mL) 1 spray each nostril 1x daily for cognitive improvement, general neuroprotection, anxiety

02

1% = 10mg/mL. 1-2 spray each nostril 3-4x daily for strokes, TBI, migraines- depending on severity

PROVIDER PEPTIDE INFORMATION SHEET

SERMORELIN/IPAMORELIN

WHAT IS SERMORELIN/IPAMORELIN? +

Sermorelin and Ipamorelin are both peptides that stimulate the release of growth hormone (GH) from the pituitary gland, but they function through different mechanisms and are often used together for synergistic effects in growth hormone therapy. In conclusion, combining Sermorelin with Ipamorelin offers a powerful and balanced approach to naturally boosting growth hormone levels, making it beneficial for individuals looking to enhance muscle growth, fat loss, recovery, and overall health, particularly as they age.

POTENTIAL SIDE EFFECTS? +

- Injection site reactions
- Some patients may develop anti GRF antibodies at least once during treatment.
- Prohibited by use in athletics

BENEFITS OF SERMORELIN/IPAMORELIN +

- Regeneration + wound healing
- Improved energy
- Muscle growth, strength, maintenance
- Reduced risk of cardiovascular disease
- Improved bone density
- Anti-aging- skin quality + collagen density
- Improved Sleep
- Cognitive/Neurodegeneration Support
- Improved libido
- Improve athletic performance

Sermorelin Monotherapy Dosing

Inject 200-300mcg SubQ QD before bed

Sermorelin/Ipamorelin 3mg-2mg/mL (5mL)

Inject 15 units SubQ QD before bed

Sermorelin/Ipamorelin 2mg-2mg/mL (5mL)

Inject 17 units SubQ QD before bed

AVAILABLE DOSAGE FORMS:

01 Sermorelin Monotherapy 2mg/mL (5mL)

02 Sermorelin/Ipa 3mg-2mg/mL (5mL)

03 Sermorelin/Ipa 2mg-2mg/mL (5mL)

PROVIDER PEPTIDE INFORMATION SHEET

TESAMORELIN/IPAMORELIN

WHAT IS TESAMORELIN/IPAMORELIN? +

CJC 1295 is a growth hormone releasing hormone (GHRH) analogue = Growth hormone mimetic

Stimulates pituitary endogenous GH (growth hormone)

Increases endogenous IGF-1 (insulin-like growth factor-1)

TESAMORELIN/ IPAMORELIN CLINICAL PEARLS +

Tesamorelin and Ipamorelin are taken together for synergistic effects to maximize the amount of growth hormone being released into your body. The combination will elevate GH and IGF-1 levels above physiological levels with minimal effects on aldosterone, prolactin, ACTH and cortisol. Together, they work synergistically to stimulate the pituitary gland to produce and secrete your own natural GH at more youthful levels. Research shows the net effect of combining these peptides results in better deeper sleep, reduced triglycerides, VAT and cIMT, improved cognition and overall better metabolic function.

BENEFITS OF TESAMORELIN/IPAMORELIN +

Improved physical performance

Increased muscle mass

Weight loss support

Anti-Aging - improves skin elasticity

Improved recovery from exercise and injury

Decreases triglycerides

Cardiovascular support

Improved axonal repair + regeneration after nerve injury

Improved cognition and memory

Reduces visceral fat in HIV patients with lipodystrophy

Improves Growth Hormone levels w/ minimal effects on ghrelin, prolactin, ACTH and cortisol

Increases IGF-1

Energy levels also seem to be improved when using the combination.

Helps promote deep wave REM sleep

POTENTIAL SIDE EFFECTS? +

Flushing

Edema

Injection site reaction

Joint and muscle pain

Rash

WARNINGS: !

Tesamorelin/Ipamorelin contraindications:
Hypersensitivity to any component of product.

Pregnancy

Pituitary conditions including disruption of HPA axis.

Existing head trauma

Growth Hormone may be mitogenic;

if patient prone to cancer or has cancer, use with caution

Use with caution: elevated IGF-1, Neoplasms, Fluid retention

May impact cytochrome P-450 metabolized drugs (anticonvulsants, corticosteroids, cyclosporine, ritonavir, sex hormones, simvastatin)

DOSAGE

01

Dosage Amount: Tesamorelin/Ipamorelin 3mg-.3mg/mL (10mL MDV)

02

Inject 1-2mg SubQ Daily at bedtime on an empty stomach

PROVIDER PEPTIDE INFORMATION SHEET

THYMOSIN ALPHA-1

WHAT IS THYMOSIN ALPHA-1?



Thymosin Alpha-1 ($T\alpha 1$) is a naturally occurring peptide that plays an essential role in the immune system. It is derived from prothymosin alpha, a protein produced in the thymus gland, which is responsible for regulating immune responses. $T\alpha 1$ has been studied for its immunomodulatory properties and potential to enhance immune function, making it useful in treating infections, autoimmune diseases, and even cancer.

THYMOSIN ALPHA 1 CLINICAL PEARLS?



$T\alpha 1$ boosts the immune system by stimulating the activity of T-cells, particularly helper T-cells and cytotoxic T-cells, which are crucial for fighting infections and abnormal cells (like cancer cells). It also increases the production of cytokines, signaling molecules that regulate inflammation and immune responses. **Antiviral and Antimicrobial Activity:** $T\alpha 1$ enhances the body's defense against viruses and bacteria by promoting the activity of immune cells like macrophages and natural killer cells.

BENEFITS OF THYMOSIN ALPHA-1?



Hepatitis B +

HIV/AIDS

Cancer- non small cell lung (NSCLC)

Chemotherapy adjunct Chronic

inflammatory conditions;
autoimmunity Cystic fibrosis

Lyme Disease

Blocks steroid-induced apoptosis of
thymocytes

Depressed response to vaccinations;
adjunct to flu vaccine or Geriatric immune
support

DiGeorge's syndrome



POTENTIAL SIDE EFFECTS?



Injection site reaction

Rash

WARNINGS:



Well-Tolerated: Thymosin Alpha-1 is generally considered safe and well-tolerated with minimal side effects in most users.

Mild Side Effects: In rare cases, some individuals might experience injection site reactions, mild flu-like symptoms, or gastrointestinal discomfort.

Long-Term Safety: While $T\alpha 1$ has been widely studied, its long-term use in healthy individuals is still under research.

Use caution in pregnant or nursing women.

RARE: erythema, transient muscle atrophy, polyarthralgia combined with hand edema and rash.

DOSAGE

01

Dosage Amount: 1.5mg SQ every 3rd day

02

Treatment from 2 weeks for viral infection and 3 months or longer for HIV/Cancer/ Hep B, C or complicated immune suppression or over-activation

PROVIDER PEPTIDE INFORMATION SHEET

THYMOSIN BETA-4

WHAT IS THYMOSIN BETA-4 ?



Thymosin Beta-4 (Tβ4) is a naturally occurring peptide found in almost all human and animal cells. It is part of the thymosin family of peptides and plays a key role in tissue repair, regeneration, and inflammation regulation. Tβ4 is especially notable for its ability to promote wound healing, muscle recovery, and reduce inflammation, making it valuable in medical treatments and sports recovery.

BENEFITS OF THYMOSIN BETA 4



- Hepatitis B + C
- HIV/AIDS
- Sports/athletic injury
- Soft tissue repair (tendon/ligament/muscle repair)
- Pressure ulcers/ venous stasis ulcers
- Immune support (as monotherapy or with TA1)
- Cardioprotective
- Brain issues if autoimmunity suspected
- Neuroinflammation- microglial inflammation
- Multiple sclerosis
- Ischemic stroke
- Spinal cord injuries
- TBI: concussion support (in conjunction with BPC157)
- Eye Disorders:
 - Diabetic retinopathy
 - Dry eye disorders
 - Ocular tissue injuries including corneal

THYMOSIN BETA-4 CLINICAL PEARLS

Tissue Repair and Regeneration:
Promotes the healing of damaged tissues by regulating actin, a protein involved in cell movement, structure, and division. This helps cells migrate and repair wounds more efficiently.

Anti-Inflammatory Properties: It reduces inflammation by decreasing pro-inflammatory cytokines and promoting the activity of anti-inflammatory molecules.

Angiogenesis: stimulates the formation of new blood vessels which enhances blood supply to healing tissues.

POTENTIAL SIDE EFFECTS?



- Injection site reaction
- Rash

WARNINGS:



Generally Safe: Thymosin Beta-4 is considered safe with minimal side effects when used in therapeutic settings.

Mild Side Effects: In rare cases, users may experience mild skin reactions or irritation at the injection site. There are no severe side effects commonly associated with Tβ4.

DOSAGE

01

Dosage Amount: inj 600mcg SQ daily

02

Treatment from 2 weeks for viral infection and 3 months or longer for HIV/Cancer/ Hep B, C or complicated immune suppression or over-activation

SEMAGLUTIDE/ TIRZEPATIDE/B6

PATIENT EDUCATION SHEET



Ph: 512-377-1999



WHAT IS SEMAGLUTIDE?

Semaglutide is a glucagon-like peptide (GLP-1) analog approved in 2017 as a treatment method for improving glycemic control in patients with Type 2 diabetes. Semaglutide shows great promise for patients who are having difficulty losing weight.

Studies have demonstrated that Semaglutide reduced appetite, improved control of eating, and reduced food cravings in addition to improved glycemic control. The greatest weight loss benefits were observed when Semaglutide is used in combination with lifestyle changes, such as improved diet and consistent exercise.

REPORTED BENEFITS:

- ✓ Weight Loss
- ✓ Treatment of PCOS
- ✓ Neuroprotective
- ✓ Smoking Cessation
- ✓ Improved Fertility
- ✓ Cardiovascular Benefits
- ✓ Decrease Food Intake
- ✓ Improves Insulin Sensitivity



SCAN HERE FOR INJECTION
INSTRUCTIONS (APPLIES TO
BOTH SEMAGLUTIDE AND
TIRZEPATIDE)



WHAT IS THE MOST COMMON SIDE EFFECT I CAN EXPECT?

Nausea is the most common side effect. **Recommendations to limit nausea:** eat bland, low-processed-fat foods like crackers, toast, and rice. Eat foods that contain water like soups. Avoid laying down after eating. Eat slowly. Go outdoors for fresh air. Consider taking an over the counter anti reflux medication such as Prilosec or Nexium. Also, the addition of Pyridoxine (Vitamin B6), will also help decrease nausea and aid in weight loss.



HOW DOES IT WORK?

It aids in weight loss by slowing down stomach emptying and signaling to your brain that your stomach is full. This allows patients to experience less hunger and feel satisfied with fewer calories.



WHAT SHOULD I MONITOR?

Contact your healthcare provider for specific labs to be monitored.

COMPOUNDED SEMAGLUTIDE/ TIRZEPATIDE/B6



WHY COMPOUNDED SEMAGLUTIDE/PYRIDOXINE?

We're happy to bring you compounded semaglutide/B6, a weight loss medication similar to popular injectable prescription products. This compounded product is designed to deliver Semaglutide with Pyridoxine (Vitamin B6) both effectively and safely. The addition of Pyridoxine (also known as vitamin B6) has clinical evidence that supports decreasing nausea and helps aid with weight loss.



HOW SHOULD I STORE THIS MEDICINE?

Keep product refrigerated. Keep all medications out of the reach of children and pets.

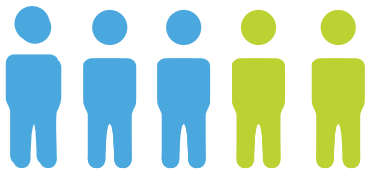
WHAT IS TIRZEPATIDE?

Tirzepatide is a new medication that has been found to be very effective in weight reduction. Patients have lost up to 20% of their body weight in a recent study. Tirzepatide is similar to Semaglutide in that it helps patients decrease their appetite thus consuming less calories leading to weight loss over time. Unlike Semaglutide, which is solely a GLP-1 agonist, Tirzepatide mimics the GLP-1 hormone AS WELL AS the GIP hormone. The GIP hormone can also trigger insulin creation and sensations of fullness further increasing efficaciousness in aiding in weight loss.



SEMAGLUTIDE AVERAGE WEIGHT LOSS

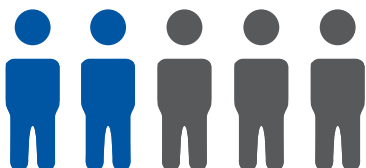
MAXIMIZE YOUR RESULTS BY ALSO TAKING THESE WEIGHT LOSS SUPPORTING SUPPLEMENTS TODAY!



-20% body weight

33%

patients lost at least 20% of body weight



-15% body weight

50%

patients lost at least 15% of body weight

-10% body weight

70%

patients lost at least 10% of body weight



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please reach out to us, we are always
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