

# IRON STEED LABS

Research Compound Catalog & Quick Reference Guide

For Research Use Only

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# Quick Reference Table

Compound	Category	Key Research Focus	Dosing Frequency
Retatrutide	Triple Agonist (GLP-1/GIP/Glucagon)	Metabolic regulation, energy expenditure, fat loss	Weekly
Semaglutide	GLP-1 Agonist	Appetite regulation, weight management	Weekly
Tirzepatide	Dual Agonist (GLP-1/GIP)	Metabolic health, glycemic control, weight management	Weekly
Cagrilinitide	Amylin Agonist	Satiety, synergistic weight loss with GLP-1	Weekly
Ipamorelin	Growth Hormone Secretagogue	Natural GH release, recovery, lean muscle	5x/Week (1-3x daily)
Sermorelin	GHRH Analog	Natural HGH release, recovery, vitality	5x/Week
CJC-1295 No DAC	GHRH Analog	Pulsatile GH stimulation, tissue repair	5x/Week (1-3x daily)
AOD-9604	Lipolytic Peptide / HGH Fragment	Targeted fat metabolism, lipolysis	Daily (5x/Week)
BPC-157	Tissue Repair / Regenerative	Musculoskeletal repair, GI protection	5x/Week (1-3x daily)
TB-500	Tissue Repair / Regenerative	Systemic healing, tissue regeneration	2x/Week
GHK-Cu	Copper Peptide / Anti-Aging	Collagen synthesis, skin repair, hair growth	Daily
GLOW Blend	Multi-Peptide (TB-500/BPC-157/GHK-Cu)	Tissue regeneration, collagen, anti-aging	3x/Week
KLOW Blend	Multi-Peptide (GHK-Cu/KPV/BPC-157/TB-500)	Tissue support, inflammation control, collagen	Daily (5-7x/Week)
PT-141	Melanocortin Agonist	Sexual arousal and desire via CNS pathway	As-needed (max 8x/month)
SS-31	Mitochondrial Support	Mitochondrial function, ATP, anti-aging	Daily
MOTS-C	Exercise Mimetic	Exercise mimetic, metabolic flexibility	Weekly (variable)
SLU-PP-332	Exercise Mimetic	Fat oxidation, endurance, exercise mimetic	Daily (oral)
Selank	Nootropic / Anxiolytic	Anxiety reduction, cognitive enhancement	Daily
Semax	Neuroprotective / Nootropic	Neuroprotection, memory, mood support	Daily (5-7x/Week)

# Compound Summaries

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## Retatrutide

Triple Agonist (GLP-1/GIP/Glucagon)

Triple receptor agonist researched for simultaneous engagement of GLP-1, GIP, and glucagon pathways, supporting metabolic regulation, energy expenditure, and fat loss.

Key Research Benefits:

- Significant weight loss observed — among the highest reported in the GLP peptide class
- Improved glucose tolerance and enhanced energy expenditure studied
- Anti-inflammatory potential and liver/cardiovascular metabolic support under investigation
- Triple-receptor mechanism provides additive metabolic effects beyond dual agonists

Dosing Frequency: Weekly

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## Semaglutide

GLP-1 Agonist

GLP-1 receptor agonist researched for appetite regulation, weight management, and broad metabolic health support.

Key Research Benefits:

- Significant weight management support when combined with diet and exercise studied
- Cardiovascular risk reduction observed in research
- Neuroprotective potential under investigation
- Anti-inflammatory properties and craving reduction researched

Dosing Frequency: Weekly

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## Tirzepatide

Dual Agonist (GLP-1/GIP)

Dual GLP-1 and GIP receptor agonist researched for metabolic health, appetite regulation, weight management, and glycemic control.

Key Research Benefits:

- Significant body weight reductions observed in study subjects
- Appetite suppression and enhanced satiety signaling researched
- Improved insulin sensitivity and glycemic markers studied
- Enhanced fat oxidation and metabolic rate support investigated

Dosing Frequency: Weekly

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## Cagrilinitide

### Amylin Agonist

Long-acting amylin analog researched for appetite regulation, satiety signaling, and gastric emptying — often studied alongside GLP-1 agonists for synergistic weight loss.

#### Key Research Benefits:

- Significant weight loss observed as monotherapy and in combination with GLP-1 agonists
- Synergistic effects may amplify weight loss beyond GLP-1 monotherapy alone
- Cardiovascular and bone health support under investigation
- Enhanced satiety and gastric emptying modulation researched

Dosing Frequency: Weekly

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## Ipamorelin

### Growth Hormone Secretagogue

Selective GH secretagogue researched for stimulating natural GH release with minimal impact on cortisol or prolactin.

#### Key Research Benefits:

- Supports lean muscle and bone health through collagen and GH-mediated pathways
- Researched for enhanced fat metabolism, gut health, and tissue recovery
- Studied for cognitive resilience and immune function support
- Minimal off-target hormonal effects (cortisol, prolactin) investigated

Dosing Frequency: 5x/Week (1–3x daily)

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## Sermorelin

### GHRH Analog

Synthetic GHRH analog researched for stimulating natural HGH release, supporting metabolism, recovery, and vitality.

#### Key Research Benefits:

- Studied for boosting energy, metabolism, and reducing fatigue
- Supports lean muscle development and abdominal fat reduction
- Accelerates muscle recovery and cellular regeneration
- Researched for improved sleep quality, bone density, and cognitive support

Dosing Frequency: 5x/Week

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## CJC-1295 No DAC

### GHRH Analog

Short-acting GHRH analog researched for pulsatile GH stimulation without long-term axis suppression.

#### Key Research Benefits:

- Supports lean muscle growth and fat reduction
- Accelerates connective tissue and ligament repair
- Promotes collagen synthesis, skin health, and improved sleep
- Studied for immune resilience and cognitive recovery

Dosing Frequency: 5x/Week (1–3x daily)

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## AOD-9604

Lipolytic Peptide / HGH Fragment

HGH peptide fragment researched for targeted fat metabolism and lipolysis without affecting blood glucose.

Key Research Benefits:

- Researched for stimulating lipolysis in areas of high fat deposits
- Studied for increasing metabolic rate and calorie-burning efficiency
- Investigated for inhibiting conversion of non-fat foods into body fat
- Supports bone, cartilage, and collagen repair without affecting insulin sensitivity

Dosing Frequency: Daily (5x/Week)

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## BPC-157

Tissue Repair / Regenerative

Synthetic pentadecapeptide researched for musculoskeletal repair, GI protection, CNS health, and angiogenesis.

Key Research Benefits:

- Researched for accelerating healing of muscles, tendons, ligaments, and bone-to-tendon injuries
- Studied for GI tract protection and maintaining gut-brain axis integrity
- Reduces systemic inflammation and supports CNS health investigated
- Improves blood flow and tissue oxygenation via angiogenesis

Dosing Frequency: 5x/Week (1-3x daily)

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## TB-500

Tissue Repair / Regenerative

Thymosin Beta-4 fragment researched for systemic healing, tissue regeneration, and anti-inflammatory effects.

Key Research Benefits:

- Researched for accelerating healing of muscles, tendons, ligaments, and bone
- Reduces systemic inflammation and supports inflammatory condition research
- Promotes cardiovascular regeneration through angiogenesis and nerve regeneration
- Investigated for reducing hepatic and pulmonary fibrosis and scarring

Dosing Frequency: 2x/Week

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## GHK-Cu

Copper Peptide / Anti-Aging

Copper-binding tripeptide researched for collagen synthesis, skin repair, hair growth, and angiogenesis.

Key Research Benefits:

- Stimulates collagen and elastin synthesis for skin repair and anti-aging researched
- Accelerates hair growth and increases follicle size studied
- Promotes angiogenesis and nerve regeneration for wound healing
- Potent anti-inflammatory and antioxidant activity investigated

Dosing Frequency: Daily

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## GLOW Blend

Multi-Peptide (TB-500/BPC-157/GHK-Cu)

Pre-mixed 70mg blend researched for tissue regeneration, collagen synthesis, anti-aging, and systemic healing.

Key Research Benefits:

- TB-500 component researched for systemic muscle, tendon, and cardiovascular healing
- BPC-157 component studied for GI tract protection and angiogenesis
- GHK-Cu component researched for collagen/elastin synthesis and antioxidant activity
- Combined protocol for tissue regeneration and skin anti-aging in a single administration

Dosing Frequency: 3x/Week

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## KLOW Blend

Multi-Peptide (GHK-Cu/KPV/BPC-157/TB-500)

80mg multi-peptide blend researched for broad tissue support, inflammation control, and collagen synthesis.

Key Research Benefits:

- Accelerates repair of muscles, connective tissue, and nerves researched
- Studied for balanced immune and inflammatory response via KPV component
- Improves skin elasticity, reduces wrinkles, and minimizes scarring investigated
- Promotes gut repair and digestive health researched

Dosing Frequency: Daily (5-7x/Week)

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## PT-141

Melanocortin Agonist

Synthetic peptide researched for sexual arousal and desire via central nervous system melanocortin stimulation.

Key Research Benefits:

- Researched for increasing sexual desire via CNS melanocortin stimulation
- Studied for reducing sexual anxiety and improving confidence
- Investigated for enhancing orgasmic response and overall satisfaction
- Compatibility with alcohol without adverse interactions noted in research

Dosing Frequency: As-needed (max 8x/month)

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## SS-31

Mitochondrial Support

Mitochondria-targeted peptide researched for ATP production, oxidative stress reduction, and anti-aging effects.

Key Research Benefits:

- Potent energy support through mitochondrial optimization researched
- Antioxidant and anti-aging properties studied
- Anti-inflammatory effects including neuroinflammation investigated
- Researched for organ support and improving insulin sensitivity

Dosing Frequency: Daily

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## MOTS-C

### Exercise Mimetic

Mitochondrial-derived peptide researched as an exercise mimetic for metabolic flexibility and longevity support.

Key Research Benefits:

- Studied for supporting metabolism, weight loss, and reduction of visceral fat
- Researched for improving muscle function and physical performance
- Investigated for longevity and healthy aging markers
- Studied for enhanced insulin sensitivity and infection defense

Dosing Frequency: Weekly (variable)

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## SLU-PP-332

### Exercise Mimetic

Small-molecule pan-ERR agonist researched as an exercise mimetic for fat oxidation and endurance enhancement.

Key Research Benefits:

- Researched for enhancing metabolic rate and promoting fat oxidation
- Studied for improving endurance, VO2 max, and oxidative muscle performance
- Supports glucose uptake and insulin sensitivity
- Investigated for suppressing age-associated inflammatory markers

Dosing Frequency: Daily (oral)

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## Selank

### Nootropic / Anxiolytic

Tuftsian analog researched for anxiety reduction, cognitive enhancement, and immune modulation.

Key Research Benefits:

- Anxiety and stress reduction studied without observed addictive potential
- Cognitive enhancement and neuroprotection researched
- Immune system support via interferon stimulation investigated
- Studied for mood regulation and adjunct psychiatric research support

Dosing Frequency: Daily

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## Semax

### Neuroprotective / Nootropic

ACTH analog researched for neuroprotection, memory enhancement, and mood support via BDNF stimulation.

Key Research Benefits:

- Memory enhancement observed in research testing
- Researched for neuroprotection from stroke, trauma, and neurodegeneration
- Antidepressant and anti-anxiety potential investigated
- Studied for ADHD symptom support and optic nerve health

Dosing Frequency: Daily (5-7x/Week)

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# Ordering & Contact Information

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## How to Order

- Visit [ironsteedlabs.com](https://ironsteedlabs.com) to browse and purchase
- Send a direct message on Instagram: @ironlabsllc
- Email: [inquiries@ironsteedlabs.com](mailto:inquiries@ironsteedlabs.com)

## Shipping Information

All orders ship via USPS Flat Rate — \$15 shipping on all orders.

### Research Use Only Disclaimer

All compounds sold by Iron Steed Labs are intended for research and laboratory use only (RUO). These products are not intended for human consumption, medical diagnosis, or treatment. Not FDA-approved. Iron Steed Labs is a registered entity in the Commonwealth of Virginia.

## Contact Us

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