
True Pharmaceutical



Peptide Pen Solutions

Stop Aging, Boost Wellness, Prolong Longevity

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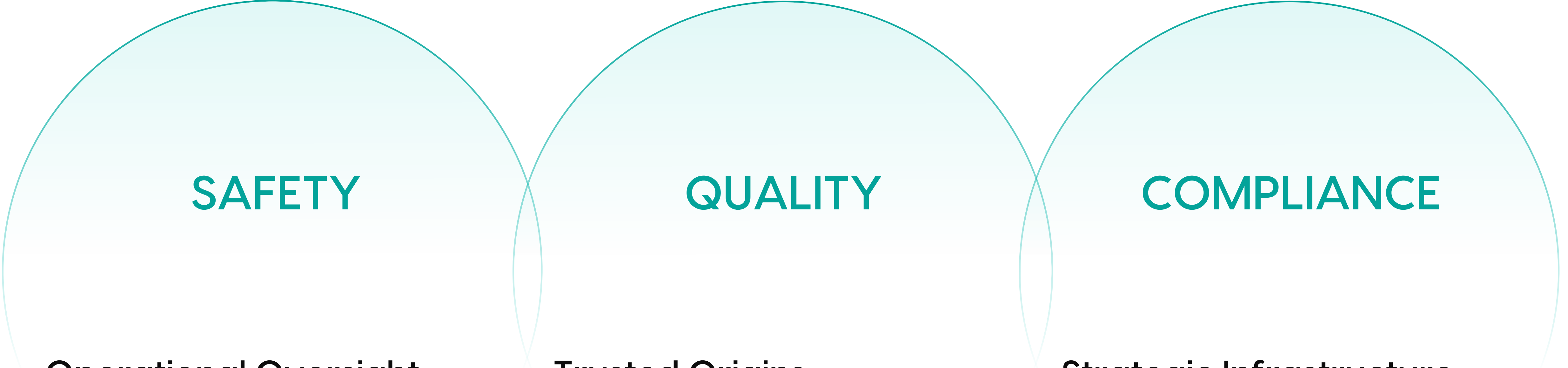
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About Us

True Pharmaceutical is a global OEM & ODM manufacturing partner focused on peptide-based products.

Our work is all about:



SAFETY

Operational Oversight

Our leadership personally manages the supply chain, ensuring every batch meets pharmaceutical-grade standards.

QUALITY

Trusted Origins

We partner exclusively with top-tier manufacturers in South Korea and Taiwan,; with no manufacturing in China for maximum reliability.

COMPLIANCE

Strategic Infrastructure

Our strategic 503B-aligned partnerships ensure your products meet the strict compliance needs of the US market.

Our Peptide Portfolio

Metabolic & Weight Management

- Semaglutide (10mg)
- Tirzepatide (20mg)
- Retatrutide (20mg)
- MOTS-C (40mg)
- Cagrilintide
- AOD-9604
- SLU-PP-322

Recovery & Regenerative Support

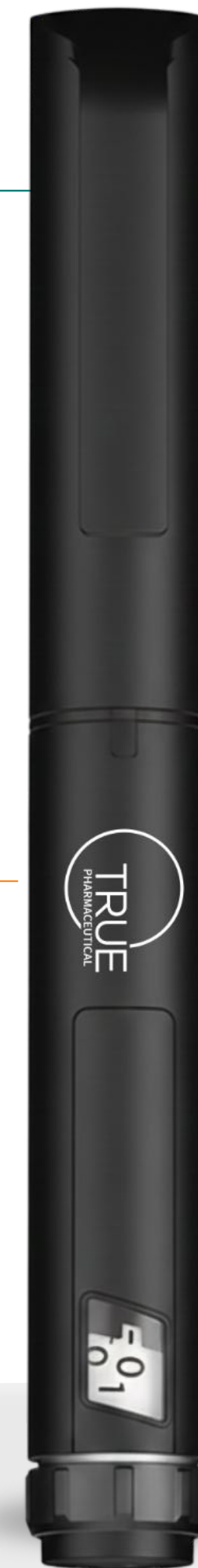
- BPC-157 (10mg)
- TB-500 (10mg)
- Cartalax

Longevity & Cellular Health

- NAD+ (50mg)
- Glutathione (300mg)
- GHK-Cu (10mg)
- Epithalon
- SS-31

Hormone & Performance Optimization

- CJC-1295 / Ipamorelin (500mg)
- GHRP-2
- Sermorelin Acetate
- IGF-1 LR3
- Gonadorelin
- Tesamorelin



Our Peptide Portfolio

Cognitive & Sleep Optimization

- Semax
- DSIP
- Selank

Cardiovascular support

- Cardiogen

Skin Clarity & Renewal

- KLOW (80mg)
- GLOW (70mg)

Immune & Anti-Inflammatory

- Thymosin Alpha-1
- KPV
- LL-37

Sexual & Reproductive Health

- PT-141
- Kisspeptin-10



Retatrutide

Metabolic & Weight Management

Weight management peptide activating GLP-1, GIP, and glucagon receptors to enhance fat metabolism, suppress appetite, and support glucose control.

Key Benefits:

- Significant Weight Loss
Suppresses hunger, boosts fat oxidation.
- Glucose Control
Enhances insulin sensitivity, lowering blood sugar levels.
- Liver & Metabolic Health
Reduces fatty liver and improves energy regulation.

MOTS-C

Metabolic & Weight Management

A mitochondrial peptide that supports metabolism, endurance, and healthy aging.

Key Benefits:

- Mitochondrial Efficiency
Supports energy production and endurance.
- Muscle & Fat Metabolism
Enhances body composition and fitness.
- Neuroprotection & Longevity
Protects against cognitive decline.

Semaglutide

Metabolic & Weight Management

A proven GLP-1 receptor agonist supporting appetite control, glucose balance, and weight management.

Key Benefits:

- Appetite Regulation
Reduces hunger and promotes satiety.
- Sustained Weight Management
Supports gradual, clinically supported body weight reduction.
- Metabolic Support
Improves glucose control and supports metabolic balance.

Tirzepatide

Metabolic & Weight Management

A GLP-1 & GIP dual agonist supporting appetite control, weight loss, and glucose regulation.

Key Benefits:

- Potent Appetite Suppression
Significantly reduces hunger and caloric intake.
- Enhanced Fat Metabolism
Supports the body's ability to burn stored fat.
- Metabolic & Cardiovascular Support
Lowers blood sugar, cholesterol, and inflammation.

Cagrilintide

Metabolic & Weight Management

Regulates appetite signals and energy balance, contributing to effective weight management.

Key Benefits:

- Appetite Regulation
Helps reduce hunger and supports satiety.
- Weight Management Support
Assists in reducing caloric intake and supporting body weight control.
- Metabolic Support
Supports energy balance and overall metabolic function.

AOD-9604

Metabolic & Weight Management

Targets fat metabolism pathways, contributing to improved body composition without influencing appetite.

Key Benefits:

- Targeted Fat Metabolism
Supports biological processes involved in the breakdown and utilization of stored fat.
- Lean Mass Preservation
Supports reduction of body fat while helping maintain muscle structure and integrity.
- Metabolic Activity Support
Supports natural metabolic function related to fat processing and energy balance.

SLU-PP-322

Metabolic & Weight Management

Supports metabolic activation and weight management by increasing energy expenditure and optimizing fat utilization.

Key Benefits:

- Enhanced Fat Metabolism
Supports the body's ability to utilize stored fat as an energy source.
- Energy Expenditure Support
Promotes increased metabolic rate and calorie burning.
- Body Composition Optimization
May assist in reducing fat mass while preserving lean tissue.

Epithalon

Longevity & Cellular Health

Designed to support cellular aging processes and telomere activity, promoting stability and long-term cellular longevity.

Key Benefits:

- Cellular Regulation Support
Helps maintain normal cell function and biological balance.
- Telomere Activity Support
Associated with supporting telomere length, a key factor in aging.
- Longevity Optimization
May assist in slowing age-related cellular decline and supporting overall vitality.

Glutathione

Longevity & Cellular Health

A key antioxidant that supports detoxification, immune defense, and cellular protection against oxidative stress.

Key Benefits:

- **Powerful Antioxidant Protection**
Helps neutralize free radicals and reduce oxidative stress.
- **Detoxification Support**
Supports liver function and assists in removing toxins from the body.
- **Skin & Cellular Health**
Supports skin clarity and helps maintain overall cellular integrity.

SS-31

Longevity & Cellular Health

Targets mitochondrial function, contributing to improved cellular energy and recovery.

Key Benefits:

- **Mitochondrial Function Support**
Supports efficient cellular energy production at the mitochondrial level.
- **Cellular Recovery Support**
Helps support repair and recovery of cells under physical or oxidative stress.
- **Oxidative Stress Defense**
Supports cellular resilience against oxidative damage.

NAD+

Longevity & Cellular Health

A vital coenzyme that supports cellular energy, DNA repair, and longevity. Declining NAD+ levels contribute to fatigue and metabolic slowdown.

Key Benefits:

- Mitochondrial Support
Powers cellular energy production and fights fatigue.
- Cognitive Optimization
Enhances memory, focus, and neuroprotection.
- Longevity & DNA Repair
Slows aging by repairing cellular damage.

GHK-CU

Longevity & Cellular Health

A copper-binding peptide that supports tissue repair, collagen production, skin rejuvenation, hair follicle stimulation, and cellular protection..

Key Benefits:

- Skin & Collagen Regeneration
Boosts elastin, firmness, and wrinkle reduction.
- Wound & Scar Healing
Accelerates tissue repair and reduces inflammation.
- Hair Growth & Antioxidant Defense
Stimulates follicles and protects against oxidative damage.

KLOW

Skin Clarity & Renewal

Improves skin clarity and renewal processes, contributing to a smoother texture and more even complexion.

Key Benefits:

- Skin Clarity
Reduces the appearance of impurities and uneven tone.
- Texture Refinement
Delivers smoother, more refined skin texture.
- Renewal Process
Encourages natural skin turnover for a fresher look.

GLOW

Skin Clarity & Renewal

Improves skin appearance and cellular vitality, contributing to a brighter, smoother, and more even complexion.

Key Benefits:

- Skin Radiance
Promotes a brighter and more luminous appearance.
- Texture Improvement
Refines skin texture for a smoother look.
- Even Tone
Helps reduce uneven skin tone and dullness.

CJC / Ipamorelin

Hormone & Performance Optimization

A dual-action growth hormone stimulator supporting metabolism, muscle growth, recovery, and energy balance.

Key Benefits:

- Fat Metabolism
Supports fat loss while maintaining lean muscle.
- Muscle Growth & Recovery
Accelerates protein synthesis and tissue repair.
- Deep, Restorative Sleep
Aligns with the body's natural GH cycle for improved rest.

Gonadorelin

Hormone & Performance Optimization

Stimulates natural hormone signaling pathways, promoting regulation of reproductive hormones and overall endocrine function.

Key Benefits:

- Hormonal Activation
Stimulates the release of key reproductive hormones.
- Endocrine Balance
Promotes balanced hormonal signaling.
- Reproductive Function
Associated with normal reproductive hormone activity.

Tesamorelin

Hormone & Performance Optimization

Enhances growth hormone activity, contributing to fat metabolism and improved body composition.

Key Benefits:

- Visceral Fat Reduction Support
Helps reduce abdominal fat and supports a leaner body profile.
- Growth Hormone Support
Promotes natural GH activity linked to metabolic function.
- Metabolic Balance
Supports lipid metabolism and overall energy regulation.

IGF-1 LR3

Hormone & Performance Optimization

Supports cellular growth, muscle development, and recovery processes associated with performance optimization.

Key Benefits:

- Lean Muscle Support
Promotes protein synthesis and muscle development.
- Recovery & Regeneration
Supports tissue repair and recovery after physical stress.
- Performance Support
Helps improve strength, endurance, and recovery capacity.

GHRP-2

Hormone & Performance Optimization

A growth hormone–releasing peptide supporting increased GH secretion, recovery, and metabolic function.

Key Benefits:

- Growth Hormone Stimulation
Enhances natural GH release and supports physical performance.
- Muscle Recovery & Repair
Supports faster tissue repair and post-training recovery.
- Metabolic Support
Helps regulate metabolism and maintain energy balance.

Sermorelin Acetate

Hormone & Performance Optimization

A GHRH analog supporting the body's natural growth hormone production, metabolism, and recovery processes.

Key Benefits:

- Natural GH Production
Stimulates endogenous growth hormone secretion.
- Lean Muscle Support
Supports muscle development and tissue regeneration.
- Sleep & Recovery Support
Promotes deeper sleep and overall recovery.

KPV

Immune & Anti-Inflammatory

Targets inflammatory pathways and supports immune balance associated with skin and gut health.

Key Benefits:

- Inflammation Modulation
Helps regulate inflammatory responses at the cellular level.
- Gut & Skin Support
Promotes balance in gut function and skin condition.
- Immune Balance
Supports stable immune system activity.

Thymosin Alpha-1

Immune & Anti-Inflammatory

Regulates immune function and promotes balanced immune response under physiological stress.

Key Benefits:

- Immune System Regulation
Promotes balanced activation and coordination of immune responses.
- T-Cell Function Support
Enhances activity and maturation of T-cells involved in immune defense.
- Inflammatory Response Control
Helps maintain controlled inflammatory activity under physiological stress.

LL-37

Immune & Anti-Inflammatory

A high-value peptide designed to enhance immune response and antimicrobial activity, reinforcing defense mechanisms while promoting tissue repair and pathogen protection.

Key Benefits:

- Immune Support
Supports the body's natural immune defense system.
- Antimicrobial Activity
Associated with protecting against a broad range of pathogens.
- Tissue Repair Support
May assist in promoting healing and recovery of damaged tissues.

Semax

Cognitive & Sleep Optimization

Improves cognitive function and neurophysiological balance while supporting mental clarity and recovery.

Key Benefits:

- Cognitive Performance Support
Supports focus, memory, and mental clarity.
- Neuroprotective Support
Supports brain health and resilience under stress.
- Mental Fatigue Reduction
Supports sustained cognitive function during periods of mental demand.
- Sleep Quality Support
Supports balanced sleep patterns and overall recovery.

DSIP

Cognitive & Sleep Optimization

Regulates sleep patterns and promotes restorative recovery.

Key Benefits:

- Sleep Quality Support
Supports deeper and more consistent sleep patterns.
- Recovery Support
Supports physiological recovery processes during rest.
- Stress Regulation Support
Supports relaxation and balanced stress response.

Selank

Cognitive & Sleep Optimization

Supports cognitive function, emotional balance, and neurophysiological stability associated with stress response.

Key Benefits:

- Stress & Anxiety Support
Supports emotional balance and resilience under stress.
- Cognitive Performance Support
Supports focus, memory, and mental clarity.
- Neuro Balance Support
Supports stable mood and overall cognitive function.

PT-141

Sexual & Reproductive Health

Modulates central pathways associated with sexual arousal, contributing to improved sexual function and response.

Key Benefits:

- Sexual Arousal Activation
Enhances neural pathways involved in sexual response and desire.
- Libido Support
Promotes increased sexual interest and overall drive.
- Performance Response
Improves physiological readiness and sexual performance.

Kisspeptin-10

Sexual & Reproductive Health

Regulates key signaling pathways involved in reproductive hormone activity and endocrine balance.

Key Benefits:

- Hormonal Signaling Activation
Stimulates pathways that regulate reproductive hormone release.
- Endocrine Balance
Supports coordination of hormone activity within the HPG axis.
- Reproductive Function Support
Promotes normal function related to fertility and hormonal health.

Cardiogen

Cardiovascular support

Enhances cardiovascular performance and circulation, contributing to improved cardiac function and overall vascular efficiency.

Key Benefits:

- Cardiac Function
Supports efficient heart performance.
- Circulatory Efficiency
Improves blood flow and oxygen delivery.
- Vascular Health
Promotes overall cardiovascular system stability.

Cartalax

Recovery & Regenerative Support

Maintains cartilage integrity and joint function, contributing to improved mobility and structural stability of connective tissues.

Key Benefits:

- Cartilage Integrity
Maintains structural stability of cartilage tissue.
- Joint Function
Improves flexibility and joint performance.
- Mobility
Enables smoother movement and reduced stiffness.

BPC-157

Recovery & Regenerative Support

A regenerative peptide known for supporting tissue repair, reducing inflammation, and promoting recovery from injuries and gut damage.

Key Benefits:

- Tissue Repair & Healing
Enhances recovery for muscles, tendons, ligaments, and joints.
- Anti-Inflammatory Properties
Reduces swelling, chronic inflammation, and pain.
- Gut Restoration
Supports digestive health and repairs intestinal lining (leaky gut, ulcers).

TB-500

Recovery & Regenerative Support

A regenerative peptide associated with muscle, tendon, and connective tissue recovery, mobility support, and post-training regeneration.

Key Benefits:

- Soft Tissue Recovery
Supports recovery processes related to muscles, tendons, and ligaments.
- Mobility & Flexibility Support
Associated with improved movement comfort and overall flexibility.
- Regenerative Support
Studied for its role in cellular repair and recovery mechanisms.

Production Specifications

Facilities	Republic of Korea & Taiwan
Capacity	20,000/batch productions with 1,000,000/month
Certification	C-GMP and ISO class 7
Quality Assurance & Validation	Independent Third-Party Analytical Testing
Leadtime	45-60 days depending on volume and SKU
Shipping & Logistics	Full Export Clearance & Global Shipment Coordination, managed via True Pharmaceutical forwarding network
Sterilization	Pharmaceutical Aseptic Filling Chambers, Gamma Sterilization Integration

Finished Product Specifications

Product Scope

Fill-finished peptide formulations supplied in:

- 3 mL cartridges
- Ready-to-use pen delivery systems

Pen Delivery Systems

- Multi-dose reusable injection pens available
- Customizable materials, colors, and dosing configurations

Packaging Solutions

Complete branded packaging options including:

- Pen and cartridge
- Protective pen cases
- Outbox Packaging

Custom packaging developed based on partner brand concepts.

Labeling & Branding

- Full OEM & ODM customization
- Private label development
- Product design support

Shelf Life

- 12–24 months validated stability (Dependent on formulation)

Storage Conditions

- Ambient: 15–25 °C
- Refrigerated: 2–8 °C recommended for extended stability

Commercial Terms

Minimum Order Quantity (MOQ)

- 1,000 Units Per SKU
- Up to 15 SKUs Supported Per Production Cycle

Payment Terms

- 50% Advance Payment
- 50% Balance Payment Prior to Shipment

Production & Delivery Timeline

- 45–60 Days From Confirmed Purchase Order (Depending on SKU and Order Volume)

Shipping & Logistics

- EXW Terms
- Shipping Coordination & Export Clearance Support Available

End-To-End Capabilities

Formulation & Development

- Peptide compatibility assessment
- Stability and excipient optimization
- Consistent quality from development through scale

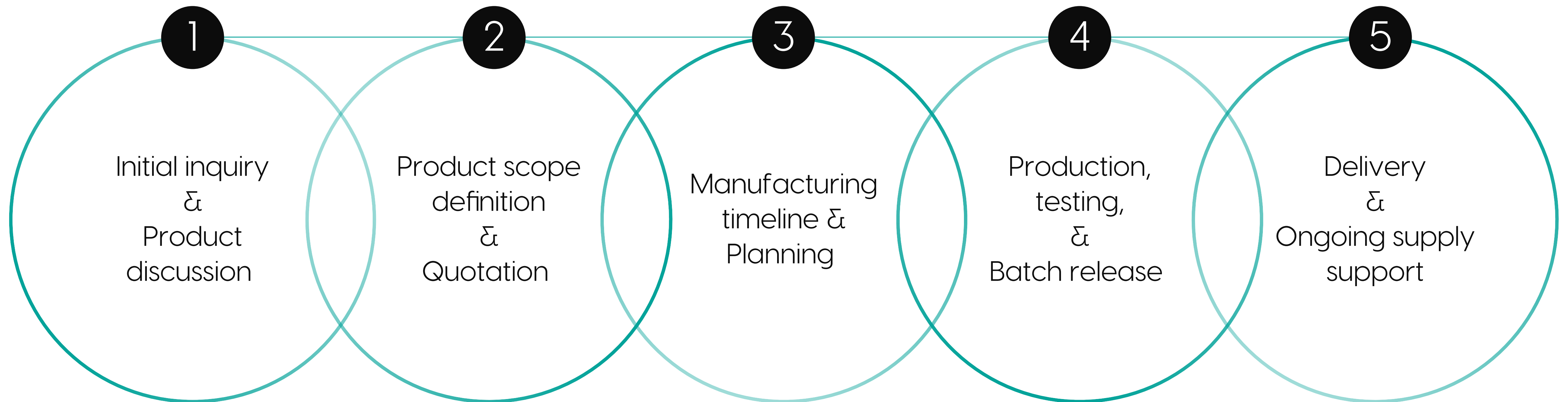
Quality & Testing

- Dedicated Quality Control & Quality Assurance oversight
- Raw material qualification & verification
- Appearance & clarity assessment
- pH and endotoxin testing
- HPLC identity & purity verification
- Stability testing under controlled conditions
- Batch review & final product release following QA approval

Manufacturing & Packaging

- GMP aseptic production
- Vials, cartridges, and dose-controlled delivery systems
- Secondary packaging and labeling

How To Start





Let's Collaborate

**Your OEM & ODM Partner
For Peptide Delivery Solutions**

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