PeptideAI®

Advanced Peptide Design Engine

Lead Generation ⌄

- Peptide Scaffold Library Screening
- Cyclic Peptide Design
- Stapled Peptide Generation
- Peptide Mimetic Discovery
- Bioactive Peptide Identification

Lead Optimization ⌄

- Stability & Half-life Enhancement
- Cell Penetration Optimization
- Proteolytic Resistance Prediction
- Immunogenicity Assessment
- Skin Permeability Prediction
- Oral Bioavailability Engineering

Target Binding Optimization ⌄

- Peptide-Protein Interaction Modeling
- Binding Affinity Optimization
- Conformational Stability Analysis
- Multi-epitope Targeting
- Receptor Selectivity Enhancement

Manufacturability & Delivery ⌄

- Synthesis Route Optimization
- Formulation Stability Prediction
- Aggregation Propensity Analysis
- Delivery System Compatibility
- Cosmetic Formulation Integration

Application Scenarios

Drug Development

Cosmetics & Skincare

Vaccine Design

Diagnostics

Why Choose Ainnocence?

1 Structure-based & sequence-based design

2 Wet-lab validated

3 Ultra-high throughput

4 Rapid Turnaround: from a few hours to days

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