

Metabolic & immune defenses

PRUNUS4LIFE

For fatty liver disorders

Liver-targeting Japanese apricot superfruit

Source & sustainability: A standardized, single-dose botanical extract derived sustainably from the Japanese Apricot (*Prunus mume*) superfruit.

Mechanism of action: Operates as a multi-target metabolic regulator. It directly inhibits key inflammatory mediators (such as i-NOS and COX-2) while simultaneously downregulating cholesterol synthase enzymes in the liver.

Key target demographics:

- GLP-1 patients with GI slowdown: Adults (30–65) on GLP-1 receptor agonists (Ozempic, Mounjaro, Wegovy) whose delayed gastric emptying causes constipation and bloating — a gentle, non-stimulant prebiotic to restore digestive regularity without irritating an already-slowed gut.
- MASLD/NAFLD patients: Adults (40–70) diagnosed with or at high risk of fatty liver disease linked to metabolic syndrome and insulin resistance — clinically supported, non-pharmaceutical hepatic protection that lowers liver fat, reduces liver enzymes, and combats oxidative stress.
- Muscle-preserving dieters: Weight-lifters, biohackers, and aging adults (50+) losing weight while guarding against sarcopenia and a slowing metabolic rate — high-potency, low-dose liver-filtering support that won't interfere with protein absorption the way bulky fibers do.

Key benefits:

- Liver protection: Clinically proven to target Non-Alcoholic Fatty Liver Disease (NAFLD) by significantly reducing liver enzyme biomarkers (AST, ALT, and GGT).
- Glycemic control: Lowers fasting blood glucose levels and improves systemic insulin sensitivity.
- Lipid optimization: Rebalances metabolic syndrome markers by optimizing the systemic LDL/HDL cholesterol ratio within 3 months.

Application profile: Standardized for strict dose-to-potency consistency. Sold as a finished, ready-to-market product. well-suited for metabolic health, detox, and GLP-1 companion launches without additional formulation work.

Supported by clinical studies / The exact cohort size depends on the specific trial, but the primary clinical data explicitly evaluating the Prunus4Life formula (the specific blend of *Prunus mume* and choline) was conducted on a cohort of 247 patients.



IMMUNEAE

FAST-ACTING NATURAL ANTIHISTAMINE SOLUTION

Fast-acting allergen blocker

Source & sustainability: A safe, drug-free bioactive complex naturalized from specialized quail eggs, providing a clean-label alternative to synthetic antihistamines.

Mechanism of action: Rich in specific ovomucoid proteins that act as natural competitive inhibitors against environmental allergens. These bioactives physically block tryptase and histamine receptors before environmental triggers can spark an inflammatory mast cell response.

Key target demographics:

- Allergic rhinitis sufferers: Adults with seasonal or year-round symptoms; nasal congestion, rhinorrhea, sneezing, and itchy or watery eyes; triggered by pollen, dust mites, pet dander, and other environmental irritants.
- Medication-conscious consumers: People looking to reduce their reliance on standard antihistamines in favor of a drug-free, non-drowsy alternative for daily symptom relief.
- Atopic dermatitis sufferers: Individuals seeking relief from itching, redness, and swelling, with clinical data showing improved sleep quality within the first 4 weeks of use.

Key benefits:

- Fast-acting relief: Provides rapid relief against both indoor allergens (dust mites, pet dander) and outdoor seasonal allergens (pollen).
- Non-drowsy profile: Delivers full-strength respiratory and ocular comfort without causing any central nervous system drowsiness or fatigue.
- Micro-dose efficiency: Requires an exceptionally low clinical daily dosage of just 84mg.

Application profile: Neutral taste and low mass requirement make it perfectly adapted for fast-melting tablets, chewables, pediatric formulations, and convenient on-the-go stick packs.

Supported by clinical studies / 284 separate clinical studies analyzing the efficacy of these specific quail-egg extracts for treating allergic rhinitis.



Cardiometabolic health & liver protection

Bone, joint & muscle longevity

Allergy, immune & respiratory care

Active nutrition, performance & recovery

Weight management & GLP-1 companion support

Cardiometabolic health & glycemic defense

Body composition & healthy aging



Muscle & joint longevity



Low dosage vegan muscle synthesis accelerator

Source & sustainability: A 100% plant-derived, patented blend of Essential Amino Acids (EAAs) engineered as a sustainable alternative to animal-derived whey protein.

Mechanism of action: Rather than providing bulk calories, it delivers a precise, clinically optimized ratio of EAAs that directly interacts with the mTOR pathway. This triggers muscle protein synthesis (MPS) at the cellular level, stimulating muscle tissue creation even in the absence of strenuous resistance exercise.

Key target demographics:

- Sarcopenia & rehab: Combats age-related muscle loss and supports recovery during injury rehabilitation.
- Active aging (45+): Empowers adults aged 45 and older to proactively maintain lean muscle mass, preserve metabolic health, and protect physical mobility as natural anabolic sensitivity declines.
- GLP-1 medication users: Serves as a vital nutritional companion for individuals on GLP-1 receptor agonists (weight-loss medications) to prevent lean mass catabolism, ensuring weight loss comes from fat tissue rather than critical skeletal muscle.

Key benefits:

- Triggers muscle tissue creation without overloading the kidneys with heavy protein volumes.
- Preserves strength and physical independence during rapid weight loss or periods of inactivity.
- Enhances nitrogen balance with zero impact on daily caloric or glycemic limits.

Application profile: Highly soluble with an exceptionally low dosage requirement compared to traditional protein powders. Perfect for sports nutrition mixes, companion recovery shots for weight-loss programs, daily wellness sachets, and senior nutrition formulas.

Supported by clinical studies / Across the entire 24-year history of the 39 published clinical studies backing the Reginator® / EAAAlpha™ portfolio, there are approximately 500 to 600 total human subjects enrolled.



Functional plant proteins



Low dosage natural GLP-1 weight loss ingredient

Source & sustainability: A highly concentrated flaxseed-derived ingredient, proven **11x more effective gram-for-gram than whole flaxseed** and delivering 60% more total weight loss from just 1/10th the material (2.5g vs. 25g). A far more practical and sustainable alternative to consuming massive daily spoonfuls of raw seed.

Mechanism of action: Rather than relying on bulk fiber volume, Flaxslim delivers a concentrated 2.5g dose that physically stimulates gut L-cells and triggers a broad multi-hormone cascade, unlike pharmaceutical GLP-1 drugs, which act on only one pathway. This regulates appetite, fat metabolism, and blood sugar simultaneously, even without exercise or caloric restriction.

Key target demographics:

- GLP-1 alternative seekers: consumers who want the appetite-suppressing power of prescription GLP-1 drugs without needles, high costs, or gastrointestinal side effects.
- Weight management & body recomposition: dieters who want fat loss without sacrificing metabolically active lean muscle.
- Cardiometabolic risk populations: individuals dealing with post-meal blood sugar spikes, insulin resistance, or poor lipid profiles who want natural glycemic and cholesterol support.

Key benefits:

- Multi-Hormone Hunger Control (Natural GLP-1 Effect): naturally amplifies satiety hormones; GLP-1 (+36%), CCK (+100%), and PYY; while shutting down ghrelin for 5–7 hours post-meal, increasing overall fullness by 30% and cutting subsequent meal portions by 9%.
- Advanced Body Reshaping: targets stubborn body fat while leaving metabolically active lean muscle completely intact — 86% of all weight lost is pure fat, with waistlines reduced by up to 4.44 cm and hips by 3.53 cm over the 12-week trial.
- Calorie Defense & Metabolic Shield: lowers the diet's digestible energy by 4.4% for a natural "negative-calorie" effect, while completely preventing the metabolic slowdown typically caused by calorie restriction.
- Cardiovascular & Blood Sugar Defense: improves baseline insulin sensitivity by 40%, blunts post-meal blood sugar spikes, and cuts LDL cholesterol by 15% in just 7 days by trapping bile acids.

Application profile: Highly concentrated with an exceptionally low dosage requirement. Just 2.5g daily replaces 25g of raw, gritty flaxseed powder. Eliminates manufacturing constraints and fits easily into premium formats like stick packs (sachets), daily gummies, or capsules, making it ideal for weight-management supplements, GLP-1 companion products, and metabolic health formulas.

Supported by clinical studies / Findings come from the IQP-LU-104 randomized, double-blind, placebo-controlled clinical trial, conducted across a total of 169 patients.



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