PRUNUS4LIFE

For fatty liver disorders



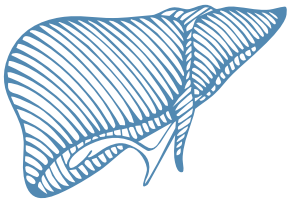
Beyond antioxidants: true regulation of metabolic pathways

Formulation scientists and R&D teams are asking whether their liver ingredient actually regulates metabolic pathways or is just another antioxidant. The market is tired of generic "detox" botanicals backed only by traditional use.
True innovation requires a multi-target mechanism of action and robust clinical numbers. Prunus4Life is redefining hepatic protection through a dual-mechanism approach, resulting in systemic metabolic regulation.

The Core Differentiation Matrix

Feature / Benefit	Traditional Liver Ingredients (e.g., Milk Thistle, Desmodium)	Prunus4Life
Positioning	General liver "detox" and antioxidant support	Multi-target metabolic regulator + hepatic protection
Mechanism	Primarily direct cellular antioxidant pathways	Inhibits inflammatory mediators (i-NOS, COX-2) & downregulates liver cholesterol synthase
GLP-1 Compatibility	Bulky fibers or heavy extracts irritate or worsen GI slowdown	Gentle, non-stimulant prebiotic action that restores regularity without bloating
Clinical Validation	Often relies on generic, historical, or weak data	Formulated blend robustly backed by a large 247-patient cohort study
Market Readiness	Requires raw material testing, blending, and formulation	Finished, standard single-dose ready-to-market product (with choline)

I. Dual Mechanism of Action



- **Cholesterol regulation**: Downregulates cholesterol synthase enzymes directly in the liver.
- **Anti-inflammatory action**: Inhibits key inflammatory mediators, specifically i-NOS and COX-2.

Result: Systemic metabolic regulation.

II. Clinical Proof: Hard Clinical Biomarkers

In a robust cohort study of 247 patients, the Prunus4Life formula (Prunus mume standardized blend with choline) demonstrated:

- Significant, measurable reductions in liver fat
- Significant reductions in liver enzymes (AST, ALT, GGT), within 3 months
- A rebalanced systemic LDL/HDL ratio, within 3 months
- Optimized fasting blood glucose levels

III. Commercial Highlights

The Ultimate GLP-1 Companion

Most liver or metabolic products ignore the GI side effects of weight-loss drugs. Prunus4Life offers a dual action:

- **Liver protection**: Protects the liver from rapid weight-loss fat dumping.
- **Digestive comfort**: Acts as a gentle, low-dose prebiotic that fixes the bloating and constipation caused by delayed gastric emptying.

Zero R&D Friction (Plug-and-Play)

For brand managers looking for speed-to-market, Prunus4Life is a standardized, ready-to-launch finished product. It easily inserts into metabolic health, detox, or longevity lines without complex formulation delays.

Target Applications

The ingredient fits products developed for MASLD/NAFLD demographics. Look past the generic extracts and choose the ingredient validated by hard biomarkers.

