

SweetLock™

SMART METABOLISM BY NUBIOS

SMARTER SUGAR BLOCKER



“The sugar absorption inhibitor that reduces glycemic impact — only smarter.”

SweetLock™ is a clinically backed **sugar-blocking solution** powered by L-arabinose — *a natural, non-caloric sugar that inhibits sucrose digestion*. By targeting the sucrase enzyme in the small intestine, **SweetLock™** slows sugar absorption, helping reduce post-meal glucose spikes without altering taste or texture.

Highly soluble, neutral in flavor, and easy to integrate, it’s the go-to tool for smarter sugar metabolism — without compromise.

KEY BENEFITS

- 1 Targeted Sucrase Inhibition:** Blocks up to 70% of sucrose absorption in the gut.
- 2 Glycemic & Insulin Response Reduction:** Up to 25–35% lower blood glucose and insulin spikes in healthy humans with only 4% SweetLock™ in a beverage ($\approx 75g$ sucrose).
- 3 Digestive Safety:** No gas, bloating, or gastrointestinal discomfort.
- 4 Easy to Apply:** Crystalline powder, highly soluble, $\sim 50\%$ sweetness of sucrose, no impact on sensory profile.
- 5 Sustainable Plant Origin:** Derived from hydrolyzed non-GMO corn using efficient green extraction.
- 6 Prebiotic Potential:** Early studies show microbiome benefits (e.g., *increase in bifidobacteria*).

**Ask us about using the official NuNectar™ seal on your packaging.*

RECOMMENDED APPLICATIONS

(Add 3–5% SweetLock™ to sucrose or final formulations)



Beverages:
Sodas, flavored waters, sports drinks.



Foods:
Syrups, sauces, yogurts, ice creams.



Bakery & Snacks:
Cookies, bars, dairy or plant-based desserts.



Sweetener Systems:
Combine with sugars or alternative sweeteners for “sugar-smart” formulations.



- ✓ BLOCKS UP TO 70% SUCROSE ABSORPTION (via sucrase inhibition)
- ✓ REDUCES GLYCEMIC AND INSULIN PEAKS BY 7–30%
- ✓ CLEAN, NEUTRAL FLAVOR — NO IMPACT ON TASTE
- ✓ CLINICALLY TESTED WITH NO DIGESTIVE SIDE EFFECTS
- ✓ RECOGNIZED AS A HEALTHY FOOD ADDITIVE (FDA)
- ✓ BRC | ISO 22000 | KOSHER | HALAL
- ✓ VEGAN & ALLERGEN-FREE

1

SweetLock™ PURE

Fine powder ideal for beverages and liquid or dry blends.

2

SMARTSUGAR™ BY SweetLock™

Pre-formulated blends with L-arabinose — developed for sugar mills and industrial applications in confectionery and beverages.



** Ask about our SmartSugar™ seal to elevate the functional value of your packaging.*



SweetLock™ brings next-gen sugar metabolism to today’s functional formulations. With randomized clinical trials and measurable glycemic impact in just one week, it’s the only sugar absorption inhibitor that delivers clean performance without compromising sensory experience.

SMART METABOLISM. NEXT-GEN SWEET.