

Acemannan: A Foundational Immune Polysaccharide

Structure/function support across diverse populations — 40+ years of peer-reviewed research, 200+ studies, 22 countries.

MECHANISM

Acemannan is a long-chain acetylated mannan polysaccharide derived from *Aloe barbadensis* inner-leaf gel. Its mechanism is well characterized: it engages mannose and pattern-recognition receptors (TLR-2, TLR-4, dectin-1) on macrophages and dendritic cells, supporting normal cytokine signaling and innate immune readiness.

Acemannan also serves as a fermentable substrate for commensal gut microbiota, supporting short-chain fatty acid production and the gut-immune axis — the foundational layer of systemic immune tone.

KEY REFERENCES

1. McDaniel HR, et al. *Acemannan: Immunostimulant activity of a beta-(1,4)-linked acetylated mannan*. Mol Biother. 1988.
2. Tizard IR, et al. *The biological activities of mannans and related complex carbohydrates*. Mol Biother. 1989.
3. Im SA, et al. *Identification of optimal molecular size of modified Aloe polysaccharides for immunomodulatory activity*. Int Immunopharmacol. 2005.

Full bibliography (200+ studies): treocare.com/research

DOSING & USE

Foundational support: 1 sachet twice daily, with or without food. Most patients report subjective changes (energy, digestion, sleep) within 2–6 weeks of consistent use.

Form: Stabilized acemannan in single-serve sachets. Shelf-stable. Vegan, non-GMO, no fillers.

SAFETY & TOLERABILITY

Acemannan has an extensive safety record across decades of clinical and consumer use. No significant adverse events reported at standard doses.

Cautions: Use with clinician oversight in patients on immunosuppressive therapy. As with any aloe-derived product, discontinue if GI sensitivity occurs and re-introduce at lower frequency.

Pregnancy/lactation: Insufficient data; defer to clinician judgment.

Pediatric: Half-dose generally well tolerated in children 4+; clinician supervision recommended.

PARTNERSHIP OPTIONS FOR HCPs

TreoCare offers two paths. Choose the one that fits your practice.

Path 1 — Clinical Educator (no commission). Free practitioner account, clinician pricing on personal use, access to the research library and patient education materials. A pure clinical relationship.

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Proof point: A growing community of nurse practitioners and RNs — led by a Tennessee cohort with strong social-media reach — have built meaningful Path-2 income while educating their audiences. You can start in Path 1 and switch anytime.

GET STARTED

1. Register at treocare.com/hcp — free, no fee.
2. Choose Path 1 or Path 2 (switchable anytime).
3. Access the research library, masterclass, and patient materials.
4. Refer or recommend at your discretion.

Questions: treocare.com/contact · **HCP support:** hcp@treocare.com

Medical content compiled from the research of Dr. H. Reg McDaniel, MD — original acemannan patent holder (US Patent No. 5,106,616) and foundational immunology researcher. Manufactured under the direction of Sam Caster, lead acemannan formulator. TreoCare is the educational and creator hub for TreoCare acemannan products · Operated by Alovea Provisional Technologies.

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