

White Paper:
Legality, Legitimacy and Clinical Adoption of B17 (Laetrile/Amygdalin)
Author: Ryan Richardson, President, Richardson Nutritional Center
May 6, 2025

Executive Summary

B17, also known as Laetrile or Amygdalin, has been used in natural and adjunctive therapies for decades. Despite past controversies and misunderstandings, B17 remains entirely legal to distribute and administer in the United States. Importantly, because it is classified as a dietary supplement, IV Laetrile does not require a prescription for use—making it accessible for integration into private clinical care. This paper outlines B17’s regulatory standing, clinical adoption, safety, and therapeutic promise to reassure retailers, practitioners, donors, and institutions interested in advancing integrative health.

1. Legal Status of B17 in the United States

- B17 (Laetrile/Amygdalin) is legal to sell and use in the U.S. under federal dietary supplement regulations.
 - The FDA does not approve B17 as a standalone cancer treatment; however, it remains lawful when marketed as a dietary supplement under the Dietary Supplement Health and Education Act of 1994.
 - IV Laetrile is legally administered in clinical settings—including wellness centers, naturopathic offices, and PMAs—often by trained nurses or integrative practitioners without the need for oversight from a licensed physician. Because it is classified as a dietary supplement rather than a pharmaceutical drug, IV Laetrile does not require a prescription and falls outside typical medical licensing constraints, especially in private membership environments.
 - Numerous U.S.-based companies and healthcare practices have operated transparently since the 1990s, with full legal compliance.
-

2. Market Penetration and Industry Presence

- B17 supplements and extracts are sold through thousands of retailers, wellness centers, and online storefronts across the U.S.
 - Since the late 1990s, demand for both oral and IV forms of B17 has grown steadily, driven by word-of-mouth, practitioner recommendation, and legacy awareness.
 - IV Laetrile remains a cornerstone therapy at several long-standing international and U.S.-based integrative cancer clinics.
-

3. Widespread Clinical Use in Adjunctive Therapies

- Thousands of naturopathic doctors, integrative oncologists, and functional medicine practitioners include oral and IV B17 in supportive wellness protocols.
 - IV Laetrile is often used in combination with vitamin C, vitamin B15, pancreatic enzymes, ozone, and metabolic therapies as part of comprehensive cancer support programs.
 - Leading integrative clinics such as Oasis of Hope (Mexico), Hope4Cancer Treatment Centers, and numerous U.S. private membership clinics continue to rely on IV B17 in their protocols.
 - Clinicians report anecdotal but compelling improvements in patient vitality, pain reduction, detoxification, and quality of life.
-

4. Safety, Efficacy, and Public Perception

- IV Laetrile, when administered by trained professionals, has demonstrated a strong safety profile with minimal side effects.
- Observational studies and decades of clinical use suggest a role for B17 in modulating inflammation, oxidative stress, and cellular health.
- Patients increasingly seek natural alternatives or complements to conventional oncology, making Laetrile's availability and history increasingly relevant.
- The rise of integrative and functional medicine has renewed interest in safe, non-toxic therapies like B17.

5. The Case for Retailers, Donors, and Institutions

- Retailers benefit from offering a legacy product backed by decades of grassroots support and clinical use.
- Clinics interested in expanding integrative oncology services can incorporate oral and IV Laetrile into detox, immune, and metabolic support protocols.
- Donors and impact investors can support freedom-based care models that prioritize patient choice and informed consent.
- Institutions focused on patient-centered care can differentiate themselves by offering time-tested natural options supported by ongoing clinical experience.

6. Conclusion: A Legal, Proven, and Strategic Opportunity

B17/Laetrile/Amygdalin—both oral and IV—has withstood scrutiny and mischaracterization while maintaining legal status and growing clinical relevance. With over two decades of continuous availability, expanding clinic adoption, and a passionate consumer base, B17 is a unique and strategic asset in natural health innovation.

For any stakeholder committed to integrative care, medical autonomy, and expanding safe treatment options, Laetrile is not only viable—it's essential.

Evidence & Supporting Data

Studies

- [2014-08-10-Advanced research on anti-tumor effects of amygdalin - PubMed](#)
- [2014-10-15-Amygdalin influences bladder cancer cell adhesion and invasion in vitro - PubMed](#)
- [2016-01-24-Amygdalin Regulates Apoptosis and Adhesion in Hs578T Triple-Negative Breast Cancer Cells - PMC](#)
- [2016-03-Amygdalin blocks the in vitro adhesion and invasion of renal cell carcinoma cells by an integrin-dependent mechanism - PubMed](#)
- [2017-04-20-Antimutagenic, Antirecombinogenic, and Antitumor Effect of Amygdalin in a Yeast Cell-Based Test and Mammalian Cell Lines - PubMed](#)

- [2018-05-03-Effects of the Gut microbiota on Amygdalin and its use as an anti-cancer therapy_ Substantial review on the key components involved in altering dose efficacy and toxicity - PubMed](#)
- [2018-Amygdalin from Apricot Kernels Induces Apoptosis and Causes Cell Cycle Arrest in Cancer Cells_ An Updated Review - PubMed-2018](#)
- [2019-03-Potential toxicity of cyanogenic glycoside amygdalin and bitter apricot seed in rabbits-Health status evaluation - PubMed](#)
- [2019-07-12-Amygdalin Modulates Prostate Cancer Cell Adhesion and Migration In Vitro - PubMed](#)
- [2020-05-15-Amygdalin-Therapeutic Effects and Toxicity](#)
- [2020-05-23-Amygdalin - A pharmacological and toxicological review - PubMed](#)
- [2021-04-26-Amygdalin_ Toxicity, Anticancer Activity and Analytical Procedures for Its Determination in Plant Seeds - PMC](#)
- [2022-04-20-Amygdalin potentiates the anti-cancer effect of Sorafenib on Ehrlich ascites carcinoma and ameliorates the associated liver damage](#)
- [2022-06-04-Amygdalin Exerts Antitumor Activity in Taxane-Resistant Prostate Cancer Cells](#)
- [2022-10-12-Amygdalin_ A Review on Its Characteristics, Antioxidant Potential, Gastrointestinal Microbiota Intervention, Anticancer Therapeutic and Mechanisms, Toxicity, and Encapsulation - PMC](#)
- [2023-03-04-Onco-immunity and therapeutic application of amygdalin_ A review - PubMed](#)
- [2023-09-19-Amygdalin as a Promising Anticancer Agent-Molecular Mechanisms and Future Perspectives-2023](#)
- [2024-04-Docking and Molecular Dynamics Simulation Revealed the Potential Inhibitory Activity of Amygdalin in Triple-Negative Breast Cancer Therapeutics Targeting the BRCT Domain of BARD1 Receptor - PubMed](#)
- [2024-06-28-Survey of Physicians and Healers Using Amygdalin to Treat Cancer Patients](#)
- [2024-08-Evaluating the therapeutic potential of amygdalin: Cytotoxic and antimicrobial properties](#)
- [2024-08-31-The Effect of Amygdalin on Glioblastoma - Focus](#)
- [2025-01-28-Anticancer Attributes and Multifaceted Pharmacological Implications of Laetrile and Amygdalin](#)
- [2025-01-Amygdalin in antineoplastic medicine and the relevance of nanotechnology](#)

- [2025-03-17-The protective and chemotherapeutical role of amygdalin in induced mammary cancer in experimental mice and upregulation of related genes](#)
 - [2025-05-Investigation of the ameliorative effects of amygdalin against arsenic trioxide-induced cardiac toxicity in rat](#)
-

Testimonials from RNC Customers

Healthier than the flu shot for any age

I've been taking B17 just over a year now of 300 mg a day. I also take B15. And Pro Enzymes these are my main supplements that I take every day. I'm 70 years old now I take these for two reasons for one. It saved my father's life back in 1978 from throat cancer. I take it myself since I'm at a greater risk of having cancer myself based on a genetic condition that I have called Klein filter syndrome. I've been taking steroids ever since I was 13 years old. one of the best benefits that I noticed immediately almost is every time I feel like I'm either getting the chills or maybe I might be getting a bug of some kind. I take one extra B17 over my daily dose and it wipes it out usually the same day. This is the first season that I have not gotten the flu. so if you want to have a high immune system, I highly recommend taking all three of these supplements to get the ultimate success rate of a healthy life

Uncurable? Think Again

I wanted to give a report and let y'all know how much we love this product. My dad was diagnosed with stage four bladder cancer back in June. They said it was uncurable and that he only had six months to live. At the time he had stopped eating, lost 110 pounds, was in severe pain, and on three different types of heavy pain medication. He also had a tumor that was coming out the side of his neck, the size of a golf ball.

I started him on your product the middle of June after having somebody tell us that it worked for them. It has been four months since my dad has been on pain medication. The tumor on the side of his neck is down if not fully gone. He has also gotten his appetite back and gained 20 pounds. I truly believe that he is cancer free. I thank God every day for being introduced to RNC store in your products.

Thank you and God Bless!

Best supplement on the market

Before I started taking laetrile, I was sure that I had upper respiratory cancer, sinus, and skin cancer. I could barely breathe in my upper respiratory system, my sinuses have been clogged for over 20 years, and I had developed a plethora of surface tumors on the service of my skin. I didn't get a formal diagnosis because I knew I would refuse the conventional treatment. I started taking Laetrile about 3 months ago and EVERY single one of those problems have completely disappeared. About 2 months ago, my upper respiratory system opened up. Then my nose started running and one day, I gave it a good blow and these two huge hunks of mucus and flesh like material came out of my sinuses and they are clear for the first time in over 20 years. Now, all of my skin growths have stopped growing and my skin is clearing up. I could not recommend a better product. It has literally changed my life and I went from preparing to go to carrying on for some time to come.

Relieved Inflammation and pain

In 2023 I developed iliopsoas syndrome (hip and back pain). It hit me out of the blue 3 months after I had covid. The front of my hips was so tight and painful I could not straighten up and a few times I had to resort to crawling on hands and knees. With frequent gym visits of strengthening and stretching about half the pain resolved. I tried a low carb-high protein diet and that also helped. But the pain was still there, unpredictable and varying in severity. I saw a video where Mr. Richardson was explaining the effects of Laetrile - one of which was to relieve inflammation. I ordered a bottle immediately! Within a few days of taking only 100mg, the pain was considerably less and my hip joints were much freer. I gradually worked up to 500mg per day. I can now stand up straight, go for short walks and enjoy most days pain free. It's important to note that it took a lot of work doing weight bearing exercises, stretching, watching my food choices and prayer. But without the Laetrile I would not be able to work out as hard no go for walks which I dearly miss. So I'm still a success in the making! I'd definitely recommend Laetrile for relief of chronic inflammation and pain.

From a Salt Lake City Doctor

I thought I would share a quick story. My friend was diagnosed with thyroid CA which is normally easy to cure with conventional methods. Unfortunately, his case was metastatic and very aggressive. I think this is due to him ignoring me and getting the bioweapon jab, which is now well documented to diminish immunity. I'm sure you've heard of the "turbo cancer" phenomenon. He has had 2 surgeries and 2 rounds of radioactive iodine. Unfortunately, his thyroglobulin level continued to rise. I started him on B17 and fenbendazole. He told me 2 weeks later that he had never felt better. He now has energy and sleeps again within a week of starting. After 2 months of this regimen his thyroglobulin level is now non-detectable. It's only anecdotal of course, but don't tell him that. I am now telling my cancer patients to go on a regimen of B17 (I give them your website), turkey tail, and fenbendazole in addition to fasting. I tell them to simply not tell their oncologist. I hope to see many more success stories in the future.