



Paw Paw Bark

Benefits and uses: Paw Paw extract contains (among other active ingredients) acetogenins which modulate the production of ATP in mitochondria of cancer cells. This reduces the growth of blood vessels that nourish cancer cells. It also inhibits the growth of MDR (multiple drug resistance) cells. No other alternative or conventional cancer treatment (except treatments from trees similar to Paw Paw) has shown any effectiveness against MDR cells. Paw Paw is a cousin of the graviola, guanabana, and soursop trees. However, the acetogenins extracted from Paw Paw are more active against cancer than those extracted from these other sources.

Information: Herbals/Nutritionals/Medicinals can be very strong, consequently, if each one is not tailored to your specific needs, then you can risk more harm than good. This information is meant to be used by your VHC Medical Team and personal Physician as they build your Total Health Plan. Never attempt to adjust your prescribed medications and/or Natural Treatments without your physician's and Medical Team's knowledge and guidance. Since herbals/nutritionals and medications can interact with each other, it is always advisable to consult with your health care provider and The Vibrant Health Community at www.VibrantHealthCommunity.com (or call 1-866-378-8253) before starting or changing your program.

Details

You cannot pick an alternative cancer treatment the same way you pick your other medications. Despite the enthusiastic claims of well meaning people:

- Just because Paw Paw worked for someone else, that does not mean it will work for you.
- Even though there are many viable alternative cancer treatments, there isn't a "best" treatment for a certain type or stage of cancer.
- Most alternative cancer treatments only work on a minority of the people who try it.

A person's unique body chemistry seems to be the most important consideration in selecting an alternative cancer treatment. Only energy medicine offers a selection method that takes body chemistry into account. The Vibrant Health Community, www.VibrantHealthCommunity.com is the best choice to help each individual put Paw Paw into their Total Body Plan.

What to Do

Consider taking no more than two treatments, the treatment recommended by someone else or selected by your research and the treatment indicated by energy medicine testing using the [Alternative Cancer Treatments Test Kit*](#).

Most tumors contain a small percentage, approximately 2%, of multiple drug-resistant cells (MDR cells). Chemo is not effective against these cells. After the first round of chemo, if the chemo is effective, all of the cells that are not MDR, are destroyed. Since this accounts for the vast majority of the tumor mass, the tumor will appear to be effectively destroyed. However, the MDR cells remain and start to multiply. Eventually, a new tumor is formed that is entirely MDR. The next time chemo is used, none of the cells will be destroyed because they are all MDR. Paw Paw and Graviola are the only cancer treatment that have shown effectiveness against MDR cells.

Development

Paw Paw research was performed at Purdue College by Jerry McLaughlin. The majority of the funding (20 years and about 5 million dollars) for this research was provided by NCI. Jerry McLaughlin.

Pharmacology

One of the effects of Paw Paw is to reduce the ATP energy in each cell of our body. Our cells have an electrical potential that affects how the cell processes energy producing substances mostly blood sugar and oxygen from our blood supply (the red area in the graphic below).

By reducing this voltage level from 70 to 110 mv to something in the 50 mv region, normal cells can still function. However, cancer and viral cells cannot process energy at this low voltage level and start to starve. The process of starving is a slower process than being poisoned which is why Paw Paw works slower than chemo. When Paw Paw does not work, it is usually because it is not absorbed sufficiently into the cells of the body to cause this voltage reduction. Both Cantron and Protocol are designed to cause this voltage reduction. If Paw Paw does not work for a person, Cantron or Protocol may work. The pharmacology of Cantron and Protocol have an expanded explanation for the role ATP energy reduction in cancer treatment.

Blood Brain Barrier

Paw Paw is one of the few alternative cancer treatments that can pass the blood/brain barrier. The other alternative cancer treatments that can cross this barrier are Cantron and Protocol.

Effectiveness

Paw Paw seems to work on all types of cancers. An informal study of 100 cancer patients showed that Paw Paw was effective in half the cases. This is most interesting since Paw Paw seems to work the same way that Cancell works and Cancell also has a 50% effectiveness as demonstrated in another informal study. However, Paw Paw gets higher marks in the effectiveness because, in the laboratory, it inhibits the growth MDR (multiple drug resistance) cells. No other cancer treatment including chemo has shown any effectiveness against MDR cells. Jerry McLaughlin is in the negotiation process for starting clinical trials in conjunction with Harvard University.

Studies

Here are a few abstracts from studies conducted at Purdue University where most of the Paw Paw research for the past 30 years was conducted:

ABSTRACT: Cancer Letters 115 (1997) 73-79 The Annonaceous acetogenin bullatacin is cytotoxic against multidrug-resistant human mammary adenocarcinoma cells. Nicholas H. Oberlies, Vicki L. Croy, Marietta L. Harrison, Jerry L. McLaughlin Department of Medicinal Chemistry and Molecular Pharmacology, School of Pharmacy and Pharmacal Sciences, Purdue University.

Cytotoxic effects of the Annonaceous acetogenin, bullatacin, were studied in multidrug-resistant (MDR) human mammary adenocarcinoma (MCF-7/Adr) cells vs. the parental non-resistant wild type (MCF-7/wt) cells. Bullatacin was effectively cytotoxic to the MCF-7/Adr cells while it was more cytostatic to the MCF-7/wt cells. ATP depletion is the mode of action of the Annonaceous acetogenins, and these agents offer a special advantage in the chemotherapeutic treatment of MDR tumors that have ATP-dependent mechanisms.

ABSTRACT: Journal of Medicinal Chemistry 1997, 40, 2102-2106 Structure-activity relationships of diverse Annonaceous acetogenins against multidrug-resistant human mammary adenocarcinoma (MCF-7/Adr) cells Nicholas H. Oberlies, Ching-ger Chang, Jerry L. McLaughlin Department of Medicinal Chemistry and Molecular Pharmacology, School of Pharmacy and Pharmacal Sciences, Purdue University.

Fourteen structurally diverse Annonaceous acetogenins, representing the three main classes of bis-adjacent, bis-nonadjacent, and single-THF ring(s), were tested for their ability to inhibit the growth of adriamycin-resistant human mammary adenocarcinoma (MCF-7/Adr) cells. This cell line is resistant to treatment with adriamycin, vincristine, and vinblastine and is, thus, multidrug-resistant (MDR). Among a series of bis-adjacent THF ring acetogenins, those with the stereochemistry of threo-trans-threo-trans-erythro (from C-15 to C-24) were the most potent with as much as 250 times the potency of adriamycin. A spacing of 13 carbons between the flanking hydroxyl of the THF ring system and the gamma-unsaturated lactone seems to be optimum with a spacing of 11 and 9 carbons being significantly less active. Several single-THF ring compounds were also quite potent, with gigantetrocin A (11) being the most potent compound tested. The acetogenins may, thus, have chemotherapeutic potential, especially with regard to MDR tumors.

Copies of the journal articles mentioned in the story are available from the Purdue News Service, (765) 494-2081.

Quantity of Papers

There have been over 100 scientific papers published on the chemistry and biology of the paw paw compounds.

Paw Paw and Viruses

ATP is a direct and indirect precursor of DNA and RNA. This can slow or stop viral reproduction for viruses such as cold sores and shingles.. On the other hand Paw Paw has shown anecdotal evidence of being a strong anti-bacterial agent.

Conclusiveness of Papers

Almost all but research papers regarding Paw Paw demonstrate significant effectiveness in the laboratory against the usual form of cancer cells and MDR cells.

Standalone Ability

Considering the performance of Paw Paw against MDR cells, it would appear that Paw Paw would stand alone as a cancer treatment very well. However, the manufacture and developer feel that the following supplements would aid Paw Paw:

- Immune Stimulator
- Protease Plus

Compatibility

Paw Paw seems to work in a similar manner to Cancell and may reduce the side effects of chemo, but does not interfere with chemo.

One of the ways that Paw Paw works is to prevent cancer cells from feeding on glucose by reducing the ATP energy of the cells in our body. The substances in the following list increase ATP energy and should therefore be avoided when taking Paw Paw.

Avoid

- Vitamin C*
- Vitamin E*
- Co-Q10
- Thyroid Support products
- 7-Keto™
- Sulphydryl antioxidants which includes:
L-cysteine

N-acetylsteine
Glutathione

- Burdock Root*
- Essiac and Flor-Essence (which is similar to Essiac with a couple of extra ingredients)*
- Ozone treatments (oxygen treatments such as hyperbaric oxygen are acceptable)*
- Flax seed oil* as used with the Budwig Diet (it is starting to appear that flax seed oil may be compatible, but it remains on this list as a precaution)
- Hydrogen peroxide*
- Grapefruit seed extract (due to its high vitamin C content)*
- Whey protein should also be avoided because of the L-cysteine*

* The amount of these vitamins found in fruits and vegetables will not have a serious effect on the performance of Paw Paw.

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