

# Medicinal Cannabis Therapy

Radic-AI Conscious



## The Omega-3, CB1 connection

How it affects your healing rate with medicinal cannabis therapy!

Every cell in your body has tiny chemical receptors all over the cell's skin or cell membrane. These receptors work kind of like an ignition switch, you put the right type of chemical key into a receptor and it turns on some kind of action. The type 1 cannabinoid receptors (CB1s) are the ones we are interested in looking at. They are found in the body and the brain.

Turning on a CB1 receptor with either an endocannabinoid that your body makes, or a phytocannabinoid like THC, can result in many different things occurring. A cancer cell may be told to die through a process called apoptosis, it may activate a basic instinct such as nursing, soothe an irritated digestive tract, or simply ease your pain. The CB1 receptors in your brain are the ones to blame, or praise, for the cannabis high.

Every time a cell divides, whether it is a brain cell, or a body cell, it needs to make new skin to grow back to its full size, and that involves making a whole bunch of new receptors.

And this is where the cutting edge of science starts - to make functional CB1 receptors, you absolutely need Omega-3 in "Nutritional Omega-3 deficiency abolishes endocannabinoid-mediated neuronal functions." Omega 6 is related to functional CB2 receptor sites.

When no Omega-3 is available, our bodies will jury-rig a new receptor with an Omega-6 where there should be an Omega-3. This results in a small, but important chunk, the Gi/o effector protein, not getting attached. As with a machine, the pieces need to be assembled right to work!

Today, the Omega 6-rich western diet is implicated in our declining mental and physical health.

A drop in the number of working CB1 receptors is an early clinical sign in Parkinson's, colon cancer, Huntington's, and heralds a high risk for premature birth. Mice bred to be low in CB1 receptors have more severe heart attacks and strokes. Cancers ravage them. They age and become senile earlier than normal mice. They are used to study neurological conditions and bowel disorders. They often seem depressed.

Cannabis is an effective and safe herbal medicine, but! We need functioning CB1 receptors for it to work its miracles. Virtually every person needs more Omega-3 in their diet, and absolutely essential for medicinal cannabis therapy to be fully effective. Cannabis heals us using our Cannabinoid receptors and also provides the Omega-3 and Omega-6 in the exact balance we need to make healthy CB1 and CB2 receptors, so we can heal.

And that is the simple, but scientific truth.

Of three most common sources of Omega-3. fish



oil, flax seed oil and hemp seed oil,  
Hemp seed oil rules. Every time, because the ratio of omegas is perfect balance to service healthy, functional cb1 and cb2 receptors in our bodies  
hemp seed oil rules because it comes from the seed of the cannabis plant. Hemp seed oil is genetically related to the phyto-cannabinoids produced by the cannabis plant. Everything in the seed is essential to produce the balance of phyto-cannabinoids of the plant. The very same phyto-cannabinoids that we use in our cb1 and cb2 receptors for healing. We need the right amount of healthy functional cb1 and cb2 receptors to receive the healing benefits of phyto-cannabinoids and the best way to do that is to include hemp seed oil in our daily diet. That's why diet is so crucial.  
The ideal balance of Omega 6 to Omega 3 is around three to four parts. Omega 6 to one part Omega 3. That is whats in the hemp seed.



Organic cold pressed hemp seed oil in your daily diet..

## Endo Cannabinoid Deficiency

It has been theorized by many, that deficiency in endo-cannabinoids could be the cause of many ailments.

You are what you eat.

Phyto-cannabinoids are plant based cannabinoids and are found in many plants.

Cannabis has the most abundant supply..

CBD has been found in flax seed oil

Echinacea has cannabinoids in it.

Even chocolate has cannabinoids.

Then there is Kava Kava, which contains things that boost Cannabis medicinal effects.

Yangonin is actually a Cannabinoid you can find in Kava.

Uziza leaf, which has Caryophyllene, which is also a Cannabinoid.

Sea Urchin Roe, which contains the same Cannabinoids made naturally in your brain.

And there's more...

**Green Tea clears, blocked CB1 and CB2 receptor sites.**

**Mango primes, CB1 and CB2 receptor site.**

**Chilly binds, cannabinoids to their respective CB1 and CB2 receptor sites.**

Methylation has been proven to deactivate CB receptors, and this appears particularly prevalent within cancers of the stomach, colon (1) and breast.

If methylation can create such an unwanted and critical scenario during cannabinoid therapy, then those undergoing cannabinoid therapy should look to include demethylating (2) agents into their regime.

These include; Green Tea, FeverFew and Annurca Apples (3).

Green Tea is particularly useful as it can also naturally create Anti-Angiogenesis (4).

Receptor shutdown by methylation

Endocannabinoid signaling is important to the normal functioning of the digestive system and has been shown to protect the colon against inflammation. Since chronic inflammation is a known risk factor for colorectal cancer, the researchers decided to look into the role of cannabinoid receptors in a mouse model of colon cancer.

“People have looked at cannabinoids in cancer earlier, mainly in cell culture experiments,” DuBois said. “The molecular mechanisms for loss of the receptor and its effect on cancer have not been previously shown.”

First, the team found that CB1 was largely absent in 18 of 19 human tumor specimens and in 9 of 10 colorectal cancer cell lines. Further experimentation showed that the gene that

encodes the CB1 protein was not damaged, but shut down chemically by the attachment of methyl groups – a carbon atom surrounded by three hydrogen atoms – to the gene encoding CB1.

To quote from a medical research paper, here we find that the CB1 cannabinoid receptor is also effected by curcumin>> The dietary polyphenols trans-resveratrol and curcumin selectively bind human CB1 cannabinoid receptors with nanomolar affinities and function as antagonists/inverse agonists.

<http://www.ncbi.nlm.nih.gov/pubmed/19359525>

A new wrinkle... <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4027495/>

1 <http://www.sciencedaily.com/releases/2008/08/080801074056.htm>

2 <http://www.anti-agingfirewalls.com/2009/11/01/dna-demethylation---a-new-way-of-coming-at-cancers/>

3 <http://jn.nutrition.org/content/137/12/2622.full>

4 <http://www.alternativecancer.me/therapy/anti-angiogenesis-foods-agents-fight-cancer-natural/>

5 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931553/>

6. [http://www.drugs.com/clinical\\_trials/turned-off-cannabinoid-receptor-turns-colorectal-tumor-growth-5233.html#ixzz117CyDLR8](http://www.drugs.com/clinical_trials/turned-off-cannabinoid-receptor-turns-colorectal-tumor-growth-5233.html#ixzz117CyDLR8)

“Cannabis is a herb of harmony ~ it would like to bring all of your body back to balance ~ you must look at your life to see why your body is not working the way it should ~ too much of sugar stress etc ~ we often say less is best ~ look what you can take out ~ Cannabis Therapy is amazing” ~ Lyn Dufty

And that's why diet is a very big part of healing..  
healthy diet is a must..

**a healthy diet and life style will ensure your ailments don't come back.**

medicinal cannabis therapy, is band aid therapy,  
can heal, ease symptoms, even offer some form of protection,  
but, medicinal cannabis therapy wont stop it coming back...

It is diet, lifestyle and chemical free environment that stops it coming back.

## **Dietary guidelines for people with cancer, by Dr Andrew Katelaris MD**

Given the complexity of the topic and the multiplicity of opinions on the subject, it is likely these will not be the last words written on the subject of diet and cancer. However, what I will attempt to do is briefly describe the major schools of thought, highlighting the strengths and weaknesses of each. Firstly, amongst knowledgeable people there is consensus that the quality of the diet is primary in the prevention of the cancer diseases and critical in their management. The Gerson, Wigmore and Budwig schools of thought all have merit. Recent developments in the understanding of human biochemistry will allow a more rational approach, tailored to individual patient needs. Cancer is a heterogeneous group of diseases having in common loss of differentiation from normal tissue and uncontrolled cell growth. Cancer results from the imbalance between oxidative stress damaging the cellular DNA and protective and reparative mechanisms which counter this.

Vibrant good health is dependent on a healthy mental attitude, fresh air and mindful breathing, adequate intake of pure water and a regular supply of vine and tree ripened fruits, berries and vegetables, supplemented with nutritional herbs, spices and judiciously selected supplements. Navigating through a maze of junk food, electromagnetic fog and a soup of toxic chemical can place extreme burden on a person's physiology. However, with careful choices the body's inherent defense mechanisms can ensure correct functioning.

**Water:** Second only to oxygen in immediate importance to survival, this key nutrient is often ignored. Caffeinated beverages and sweetened processed fruit juice drinks are no substitute for pure water. Municipal supplies are laced with chlorine and fluorine, the latter sourced as a waste product from fertilizer manufacture. PCBs in plastic bottles are also detrimental. Water may be harvested, filtered or purchased (Pureau 10 litre cask with PCB free plastic is good quality and relatively inexpensive). Extreme practitioners insist on many liters daily but between 1 and 3 liters daily, depending on body size and environment, should be adequate. Drink water even if you don't feel too thirsty, as chronic dehydration renders us less sensitive to proper signaling.

### ***The Alkaline diet:***

This diet aims to improve health by eating so-called alkaline foods and avoiding acidic ones, to restore the body's pH balance and restore health. This approach has produced some good results because their practices are correct, even though the explanations are erroneous. The acid/alkaline balance, the pH of the body, is closely controlled by breathing and kidney function to keep the pH very close to neutral and no matter how poor the diet is the pH will not be altered, until the terminal phase of illness. Therefore, the pH altering effect of bicarbonate is rapidly neutralized by the body. Instead of seeing foods as being acidic or alkaline they should be seen as pro-oxidant or antioxidant. As it turns out all the "alkaline" foods are highly antioxidant, while the highly processed "acidic" foods cause oxidative stress. Acidic fruits like lemons and limes do not hinder but help healing because they are potent antioxidants.



## ***Gerson therapy***

Gerson therapy promotes body healing by flooding the system with vitamin, mineral and antioxidant rich juices to assist in restoring the immune system and repair mechanisms. The Wigmore school uses wheat grass for the same purpose. In advanced disease up to 200ml of wheat grass juice daily can be taken. The wheat grass should be harvested at peak tenderness, about 10-15cm high, as the vitamin and enzyme content is at maximum. The Gerson and Wigmore methods can be beneficially combined. Fasting, especially brief fasts followed by natural raw food can be a powerful healing modality. Prolonged fasts may benefit some, but excessive starvation weakens the immune function. The ketogenic diet may control intractable epilepsy but its role in cancer treatment is not established. Some people have experienced good results from a ketogenic diet, but this is more likely due to the elimination of harmful foods from the diet, rather than starving the cancer. Eliminating processed sugar is essential, as excess sugar sticks to cells (glycosylation) causing oxidative stress and tissue aging. However, the brain can only metabolize glucose and if none is available it will be produced in the body. It is simply not possible to starve a tumour, but one must nourish the body to achieve ideal immune function, while modestly restricting calories. Those who avoid moderate ingestion of carrot and other juices for fear of the sugar content are doing themselves a disservice.

## ***The Budwig Diet***

The Budwig diet concentrates on omega 3. There are two essential fatty acids. Being essential means they cannot be made in the body but must be supplied in the diet. The essential fatty acids are omega 3 and omega 6. Put simply omega 6 is used to make chemical signals which have a pro-inflammatory action. This is necessary to ward off pathogens and assist wound healing. Omega 3 produces chemical messengers which damp down inflammation. When the intake of omega 3 and 6 is about 1:3 the system is in balance, with just enough inflammation, but appropriately damped. With omega 3 deficiency the body is in a state of chronic inflammation, with tissue damage, including damage to the DNA. Omega 3 can be modified in the body to form DHA and EPA, the form of omega 3 found in cold water fish. A healthy human can modify the plant form of omega 3 called ALA, as long as they have the necessary B group vitamins and mineral co-factors and avoid excess saturated fats. Hulled hemp seed is an ideal way to obtain omega 3 and the co-factors. Green smoothies are a convenient way to ingest hemp seed. Combining fruits and berries, hemp seed and a few green leaves in a blender makes an ideal meal substitute. Hulled hemp seed can also be added to almost any meal with benefit. They should not be cooked. Thirty to fifty grams a day is adequate. Flax oil has the highest ratio of omega 3 to omega 6. In cases where the omega 3/6 balance is very disturbed the addition of a quality flax seed oil will help lift it towards normal. Most flax seed oils on the market are seriously substandard. Stoney Creek Oils produce a quality product. Flax seed oil can be added to salads and soups, combined with lemon juice or apple cider vinegar. Garlic can provide the sulfur containing amino acids which help utilize the omega 3 and should be included in the diet. The contamination of the oceans from plastics, mercury and radiation continues unchecked. At current trends the marine ecosystem will collapse within our lifetimes. At present, carefully selected seafood can still be safely and beneficially included in the diet, for the time being. Fish oil is a rendered product of questionable health benefit. Krill oil avoids most of the problems with fish oil. Red meat is a controversial topic. There is no doubt that cattle force fed grain in feedlots produce a very unhealthy meat. However, wild game and to a lesser

extent naturally grown grass fed meat can have as much omega 3 as seafood and be a healthy component of the diet, in moderation, if desired. Vegetable soup is easy to prepare and generally highly antioxidant.

Herbs and spices are beneficial, with proven action against cancer. Tumeric, ginger, garlic, chilli and many others are beneficial. Supplements are a complex topic. Just because tumeric is a beneficial spice does not mean the capsules sold in the pharmacy have retained their activity. The same goes for many supplements Resveretrol from grape skins is a super nutrient but the powder in capsules may have lost its activity unless preserved by careful handling. It can be difficult to know which supplement has been prepared so as to preserve activity, so having things in their natural form is often best. Juice Plus is a fruit and vegetable concentrate that has been laboratory tested and proven to retain active phytonutrients. It is available via distributors. Iodine supplements are useful

The structure of the diet is an individual affair and can vary with different seasons and stages of a person's health. A certain amount of experimentation is necessary. One suggestion would be a hemp seed green smoothie for breakfast, vegetable juices and herb teas during the day with a raw salad, followed by a cooked meal if desired in the evening. Being overweight is detrimental to healing so a gradual but progressive weight loss by elimination of all processed food is necessary.

### ***Cancer is a word, not a sentence.***

A few closing suggestions are in order. Lemons and limes are an ideal start to the day, squeezed into a glass of water. A mixed vegetable salad in season is an ideal meal in itself and an excellent first course to a larger meal. Eating an adequate amount of raw food before a cooked meal aids digestion significantly. Charts of ORAC (oxygen radical absorbency capacity) give an indication of the antioxidant value of the food and are a useful planning aid. Such charts are available on the internet. Bear in mind this data is indicative only, because the antioxidant effect of a food depends not only on the type of food, but its quality and state of ripeness and preservation

Don't be intimidated by the fear mongering and negativity used by allopathic practitioners to frighten people into toxic and dangerous therapies.

There is growing evidence that X ray and chemotherapy treatments can induce the formation of resistant cancer stem cells. Thus, while most patients will see an initial response to allopathic treatment, this treatment actually drives the cancer into generating resistant cells that produce a relapse, with metastases that become resistant to the treatments used. In the event of receiving a cancer diagnosis the first decision to be made is whether one will take responsibility for one's own health or abrogate that responsibility and allow the pharmaceutical industry to direct treatment.. It can be a daunting prospect to untie oneself from the umbilical cord of hospital based treatments and seek healing by natural methods. This decision can be made more complicated by the multiplicity of programs and often conflicting advice on offer. There are certain cases where surgery should be considered as a first option. A bleeding bowel cancer is best excised as soon as practical, in my opinion, as this will stabilize the situation without compromising the immune system and its natural healing capacity. However, one thing appears certain. Both diet and cannabis based treatments will be more effective as a first line of action. Too often, patients will turn to these



methods after their third or fourth relapse, when the chances of success are much reduced.

The body requires a certain amount of activity, so be as active as your condition will allow. Yoga practices of various forms can assist.

The CBD and THC have a synergistic effect against cancer and the CBD moderates the psychotropic effect of THC, allowing higher, more effective doses to be used. Some are advocating juicing cannabis, but this requires growing capacity beyond most patients.

I hope these few comments are of value and I wish you well

Sincerely

Dr Andrew Katelaris MD



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## **Whole Plant Medicinal Extract = the entourage effect.**

Many solvents will take up "resin", meaning a mix of cannabinoids and terpenes. A "complete" medicinal extract is a three part synergy of cannabinoids, terpenoids and flavi(o)noids. which is the third component of Cannabis synergism of the entourage effect. the flavi(o)noids, often called bioflavonoids, are represented in Cannabis by common vegetable compounds such as, quercetin and rutin, all with well documented medicinal beneficial effects along with many others including cannflavin A & B. Of most importance is the extraction of the flavi(o)noid fraction for a Whole Plant Extract.

### Whole Plant Extract

I bring this up to stress the importance of the synergy of the three significant therapeutic classes of compounds. The entourage effect. Whole Plant Extractions for medical use should take up all three families of medicine with great efficiency.... and,,,, minimize the amount of chlorophyll's, concrete oils and waxes that have little or no therapeutic value.

ethanol is a solvent that will take up all three medicinal fractions.

Why not hexane, dichloromethane, diethyl pet ether, acetone, iso.....etc? Each has it's benefits and it's drawbacks like too selective, too toxic, too non selective.

Ethanol too when used in a typical extraction has some of the same drawbacks, but, Ethanol remains a solvent that will take up all three medicinal fractions. The problem with ethanol is, it's too non-selective.. Ethanol takes up chlorophyll and other undesirable fractions that make it's oils and tinctures "green" and bitter.

The answer lies in changing the traits of ethanol and making it very selective for a whole plant extract, and very non-selective for the other crud.

This is done by freezer-cooling ethanol and the product to extract, then doing a 3minute wash and freezing cold rinse. This is called the Quick, Cold Wash

When very cold and with high quality buds, a near clear extract/tincture can be easily made in minutes.

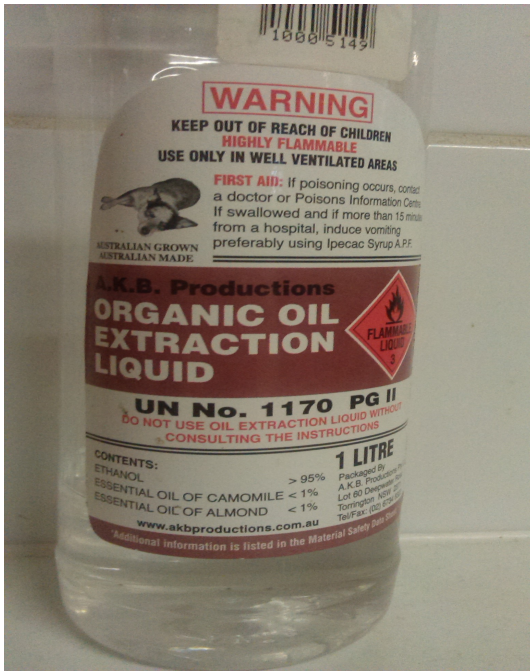
Ethanol is a relatively safe solvent, whose characteristics can be manipulated with temperature, to be highly selective for medicinal compounds, while leaving undesirable waxes, chlorophyll and concrete oils behind. Ethanol is a powerful stripper of the cannabinoids and terpenes and the most noted solvent for working with the flavinoids quercetin and rutin and is noted in the extraction of flavines and flavones and while other solvents are noted also.

Ethanol is the only one which is non-toxic, when used medicinally, and can be manipulated by very low temperature to not take up waxes, chlorophyll and concrete oils to deliver a pure Whole Plant Medicinal Extract..

## Quick Cold Wash. QCW

Place a bottle of 95% Ethanol in the freezer over night.

Chop the herb up and place it in an empty bottle no more than  $\frac{3}{4}$  full. Put that in the freezer too, with the lid off.



Next day

Pour the freezing cold ethanol into the bottle of frozen herb until covered by  $\frac{1}{4}$  to a  $\frac{1}{3}$  over the top of the herb, put the lid on tight and shake for 3min.

Stop....

Remove lid and strain.



Rinse with a small amount of freezing cold Ethanol to flush the last bit out.

Next,,

Pour the Ethanol herbal solution through a coffee paper filter.



The result is a red/yellow off-clear, full strength, Tincture of Cannabis, with little to no chlorophyll's, to speak of and all three medicinal fractions fully rinsed from the herb.



Evaporate the Ethanol out. Use a fan in a well ventilated area to make a cannabinolic acid extract eg THCA, CBDA, etc.. or activated extracts THC CBD .. apply gentle heat, below 100c. Use a rice cooker or steamer, well ventilated area eg.. outdoors,,

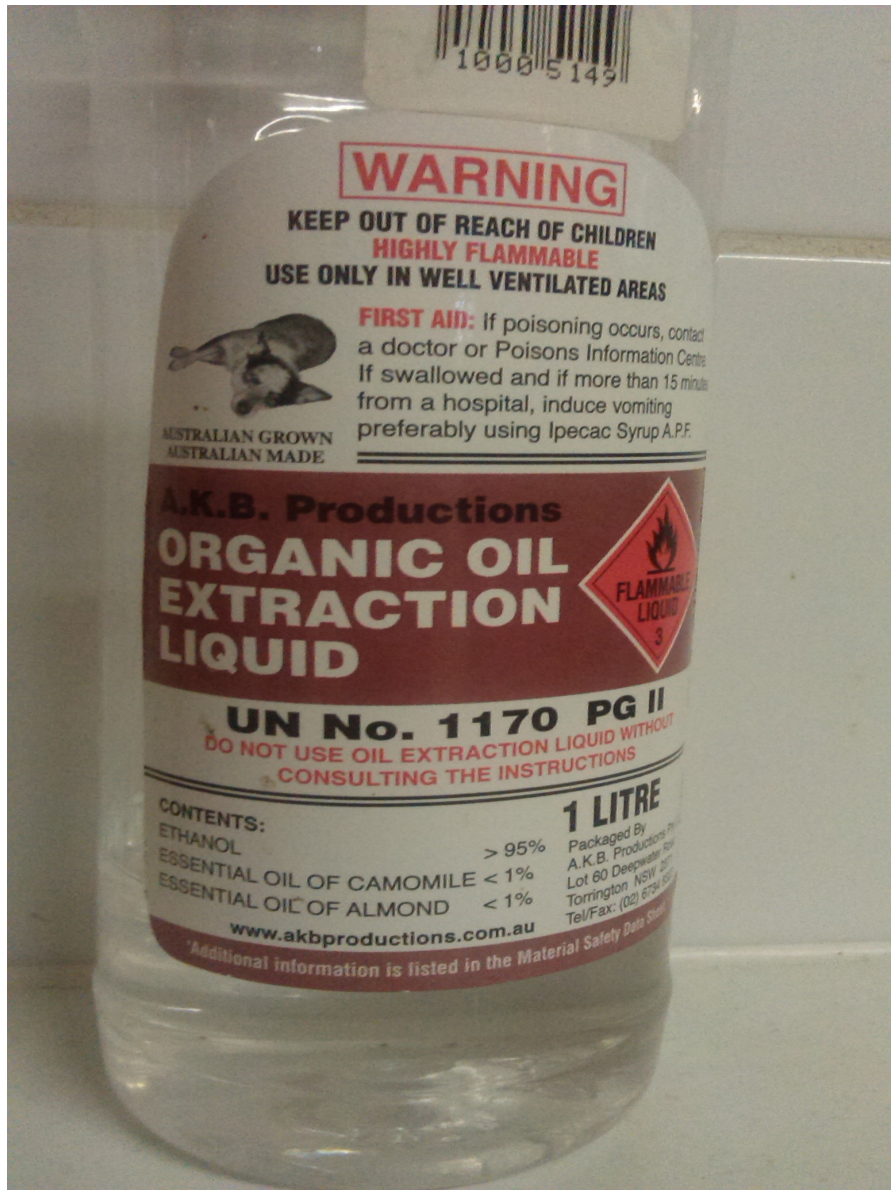


The dry oil is yellow-clear, and highly potent.

Full strength medical cannabis extract is a three part synergy of cannabinoids, terpenoids and flavi(o)noids. Extractions for medical use should take up all three families with great efficiency and minimize the amount of chlorophyll's, concrete oils and waxes which have minimal therapeutic value.



A.K.B.  
Productions  
Pty Ltd.  
Lot 60  
Deepwater  
Road.  
Torrington.  
N.S.W. 2371  
ph/fax 02,  
67346322



or

Polmos Spirytus Rectified Spirit 95%  
500mL

You Get it from the local pub



[https://www.danmurphys.com.au/product/DM\\_905095/polmos-spirytus-rectified-spirit-95-500ml.jsp;jsessionid=E84CDD7D87164CFE8095BD5847E8669D.ncdlmorasp1304?bmUID=kAhGSps](https://www.danmurphys.com.au/product/DM_905095/polmos-spirytus-rectified-spirit-95-500ml.jsp;jsessionid=E84CDD7D87164CFE8095BD5847E8669D.ncdlmorasp1304?bmUID=kAhGSps)

## ***Cannabinoids, terps, flavinoid and their vapor points***

Cannabinoids, terps, flavinoid and their vapor points  
Door Ron Kreeft / ICC International Cannabis Community.com

-9-tetrahydrocannabinol (THC) Boiling point: 157°C / 314.6 degree Fahrenheit Properties:  
Euphoriant, Analgesic, Anti-inflammatory, Antioxidant, Antiemetic

cannabidiol (CBD) Boiling point: 160-180°C / 320-356 degree Fahrenheit Properties:  
Anxiolytic, Analgesic, Antipsychotic, Anti-inflammatory, Antioxidant, Antispasmodic

Cannabinol (CBN) Boiling point: 185°C / 365 degree Fahrenheit Properties: Oxidation,  
breakdown, product, Sedative, Antibiotic

cannabichromene (CBC) Boiling point: 220°C / 428 degree Fahrenheit Properties:  
Anti-inflammatory, Antibiotic, Antifungal

$\Delta$ -8-tetrahydrocannabinol ( $\Delta$ -8-THC) Boiling point: 175-178°C / 347-352.4 degree Fahrenheit  
Properties: Resembles  $\Delta$ -9-THC, Less psychoactive, More stable Antiemetic

tetrahydrocannabivarin (THCV) Boiling point: < 220°C /

Terpenoid essential oils, their boiling points, and properties

$\beta$ -myrcene Boiling point: 166-168°C / 330.8-334.4 degree Fahrenheit Properties: Analgesic.  
Anti-inflammatory, Antibiotic, Antimutagenic

$\beta$ -caryophyllene Boiling point: 119°C / 246.2 degree Fahrenheit Properties: Anti-inflammatory,  
Cytoprotective (gastric mucosa), Antimalarial

#-limonene Boiling point: 177°C / 350.6 degree Fahrenheit Properties: Cannabinoid agonist?,  
Immune potentiator, Antidepressant, Antimutagenic

linalool Boiling point: 198°C / 388.4 degree Fahrenheit Properties: Sedative, Antidepressant,  
Anxiolytic, Immune potentiator

pulegone Boiling point: 224°C / 435.2 degree Fahrenheit Properties: Memory booster?, AChE  
inhibitor, Sedative, Antipyretic

1,8-cineole (eucalyptol) Boiling point: 176°C / 348.8 degree Fahrenheit Properties: AChE  
inhibitor, Increases cerebral, blood flow, Stimulant, Antibiotic, Antiviral, Anti-inflammatory,  
Antinociceptive

$\alpha$ -pinene Boiling point: 156°C / 312.8 degree Fahrenheit Properties: Anti-inflammatory,  
Bronchodilator, Stimulant, Antibiotic, Antineoplastic, AChE inhibitor

$\alpha$ -terpineol Boiling point: 217-218°C / 422.6-424.4 degree Fahrenheit Properties: Sedative,  
Antibiotic, AChE inhibitor, Antioxidant, Antimalarial

terpineol-4-ol Boiling point: 209°C / 408.2 degree Fahrenheit Properties: AChE inhibitor, Antibiotic

p-cymene Boiling point: 177°C / 350.6 degree Fahrenheit Properties: Antibiotic, Anticandidal, AChE inhibitor

borneol Boiling point: 210°C / 410 degree Fahrenheit Properties: Antibiotic, Δ-3-carene 0.004%  
168 Anti-inflammatory

#-3-carene Boiling point: 168°C / 334.4 degree Fahrenheit Properties: Antiinflammatory


Flavonoid and phytosterol components, their boiling points, and properties

apigenin Boiling point: 178°C / 352.4 degree Fahrenheit Properties: Anxiolytic, Anti-inflammatory, Estrogenic

quercetin Boiling point: 250°C / 482 degree Fahrenheit Properties: Antioxidant, Antimutagenic, Antiviral, Antineoplastic

cannflavin A Boiling point: 182°C / 359.6 degree Fahrenheit Properties: COX inhibitor, LO inhibitor

β-sitosterol Boiling point: 134°C / 273.2 degree Fahrenheit Properties: Anti-inflammatory, 5-α-reductase, inhibitor

TERPENES ANALYSIS		ARJAN'S HAZE #1 - (hydroponic)								
Percentage	%	%	%	%	%	%	%	%	%	
(+)-a-Pinene	1.45	7.14	15.32	29.45	35.23	47.07	58.12	75.93		
<sup>(R)</sup> -(+)-Limonene	0.91	1.75	2.36	2.45	3.06	3.12	3.75	3.91		
a-Humulene	0.75	1.04	1.25	2.95	3.07	3.12	3.45	3.82		
(-)-Menthone	0.12	0.95	1.01	1.17	1.23	1.45	2.01	2.12		
Dihydrojasmone	0.04	0.08	0.11	0.12	0.22	0.27	0.41	0.52		
Nerylacetate	0.05	0.07	0.14	0.22	0.32	0.37	0.42	0.48		
(-)-Guaiol	0.04	0.09	0.14	0.18	0.30	0.35	0.37	0.40		
B-Caryophyllene	0.01	0.04	0.11	0.14	0.22	0.24	0.28	0.33		
Weeks	1st	2nd	3rd	4th	5th	6th	7th	8th		



# medicinal cannabis therapy for cancer treatment.

## Sub-lingual tincture of cannabis,

### Dose Rates

Medicinal cannabis therapy is said to be **dose dependent**.. that means the **healing rate** is **dependent** on the **dose rate**.. the **more** cannabis in your **blood** the **faster** you will **heal**... so, the aim of Medicinal cannabis therapy, is to ingest a sub-lingual tincture of cannabis, orally, under the tongue, as much as your body can tolerate, as often as you can tolerate it. Full course, → ingest 60ml in no more than 2-3 months <-- Ingesting it as often as possible, as fast as possible. Till all the cancer is gone...and then finish the remaining tincture to ensure cancer does not return, this takes about 1-2-3 months...

### Dose Size and rates...

To ingest as much as you can as often as you can, with an alarm at night time even, **Dose size** depends on your body's tolerance level and everyone's is different, the average, amount per dose to take, is very small, 1 drop, keep it under the tongue, till it's all absorbed by the mucus membranes under your tongue... so,

### How to find the most effective dose size to suit your body

**First dose**.. → 1 drop... under your tongue. Wait... if you feel fine after 2hrs, and can still walk around performing your usual duties, **eat more**, this time -->**increase** the dose to 2 drops, wait 2hrs, and can still walk around performing your usual duties, increase to 3 drops, **continue** on like this, **increasing** your **dose rate** by one drop, each **consecutive** dose, till you just **start** to feel **uncomfortable**...or, get incredibly high or, pass out ..... next, let it wear off completely, now... take a drop less than your last dose, <-- this is your perfect dose, size.

Once you find this perfect amount for you.

You've found your **regular dose**.

This is the most effective dose size to suit your body..

### Dose rates,

take your regular dose in the morning, as soon as you wake up. once you feel it **gone**, and it usually takes a couple-few hours to wear off, **take another dose**, once again- depending on your tolerance level- you may have to wait until lunch time to take another one, some might be ready to take another dose at say 10am?

So then,, **keep taking regular doses all day, as required**, up until bed time.

Now, at night, **last dose before bed**, its a good time to take a **bigger dose**.. 2 drops bigger than your regular dose, as your going to sleep anyways, and most wont set an alarm or wake up for one to take a dose at night, although that would be ideal..

for the **first few days try to lock this routine down**.

As the **first week passes**, your body **tolerance** level will **rise**,

just like people who smoke cannabis, you'll be able to ingest more and more of it at any given time, with no negative side effects, because your body tolerance increases

so, at this stage, start to **increase** your regular **dose** by 1 drop or 2 drops, and/or times per

day you administer the regular doses.

remember aim to **take as much as you can as often as you can....**

This is to ensure that there's always action of shutdown happening in the cells that contain cancer.

But, you must try to stay able to walk around and perform your usual duties... You don't want to flood your system with too many Cannabinoids, cause that will make you too sleepy. Yet you need an efficient amount of cannabinoids binding to the CB receptor locations and releasing CB receptors so that an effective amount of cannabinoids is always binding to cancerous sites, or areas of healing, to get the maximum amount of PCD(Programmed Cell Death) possible at all times to turn off cancer.

So you do this by **taking as much as you can, as often as you can, till completely healed.**

### ***Hash oil dose rates,***

Medicinal cannabis therapy is said to be **dose dependent..**

that means the **healing rate** is **dependent** on the **dose rate..**

the **more** cannabis in your **blood** the **faster** you will **heal...**

so, the aim of Medicinal cannabis therapy, is to ingest hash oil, orally, as much as your body can tolerate, as often as you can tolerate it.

Full course, → ingest 60 grams in no more than 2-3 months ←

Ingesting it as often as possible, as fast as possible. Till all the cancer is gone and then gradually finish the remaining oil to ensure cancer does not return, this takes about 1-2-3 months...

#### **Dose size and rates...**

To ingest as much as you can as often as you can, with an alarm at night time even.

#### **How to find the most effective dose size to suit your body.**

**Dose size** depends on your body's tolerance level and everyone's is different.

The average amount per dose to take, is very small, about the size of a grain of rice, so, start by trying some.

**First dose..** → Half the size of a grain of rice...

if you feel fine after 2hrs, and can still walk around performing your usual duties,

**eat more**, this time -->**increase** the dose to the size of a grain of rice,

**continue** on like this, **increasing** your **dose rate** by **half** the size of a grain of rice, each

**consecutive** dose, till you just **start** to feel **uncomfortable** or, get incredibly high or, go to sleep..

then. let it wear off completely. Now, take a shade less than your last dose, <-- this is your perfect dose, once you find this perfect amount for you, you've found your **regular dose**,

#### **Dose rates,**

take your regular dose in the morning, as soon as you wake up. once you feel it gone, and it usually takes a couple-few hours to wear off, take another dose,

once again- depending on your tolerance level- you may have to wait until lunch time to take another one, some might be ready to take another dose at say 10am?

So then,, **keep taking doses all day, as required**, up until bed time.

Now,, at night...**last dose before bed**,, its good to take a **bigger dose** then your regular

dose, as your going to sleep anyways, and most wont set an alarm or wake up for one to take a dose at night, although that would be ideal..

for the **first few days try to lock this routine down**,

as the **first week passes**, your body **tolerance** level will **rise**,

just like people who smoke cannabis, you'll be able to ingest more and more of it at any given time with no negative side effects,

so, at this stage, start to **increase** your regular **dose** amounts and/or times per day you administer the doses, remember aim to **take as much as you can as often as you can.**

This is to ensure that there's always action of shutdown happening in the cells that contain cancer, but you must try to stay able to walk around and perform your usual duties... you don't want to flood your system with too many Cannabinoids, cause that will make you too sleepy. Yet you need an efficient amount binding to the CB receptor locations and releasing CB receptors so that an effective amount of cannabinoids is always binding to cancerous sites, or areas of healing, to get the maximum amount of PCD(Programmed Cell Death) possible at all times to turn off cancer.

so you do this by taking **as much as you can as often as you can**, till completely healed.

## **Maintenance dose**

Maintenance dose may be required for continued protection and as preventative therapy.

Mix any remaining hash oil with 95% ethanol,

or any remaining hash oil with hemp seed oil,

or any remaining hash oil with coconut oil,

mix every 1mil of Hash oil to 100 mil of 95% ethanol, to make **tincture of cannabis**,

or hemp seed oil,

or coconut oil, to make a **cannabis oil infusion.**

Maintenance Dose rates, 2mil to 4mil, once or twice a day.

## **Remission for 7yr**

It takes seven years to replace every cell in your body, so after 7yr with no sign of cancer, **you win..**

## **Cannabis Coconut Balm to Treat Cancer**

mix coconut oil with hash oil at 10:1 respectively then add 20% by volume, bees wax.

That's → 10mil of coconut oil with every 1 gram/mil of hash oil, then add beeswax 20% by volume, by eye.

Apply gentle heat, eg float the mixture of hash oil coconut oil, and beeswax, in a separate container, on top of boiling water, stir and mix well till all the bees wax is melted.

Now take a sample, eg. tea spoon, cool it, blow, blow, blow. Check it?? too hard, like lipstick? Then add some oil. Too soft and runny? Add some more beeswax, till the texture is just right to treat your affliction.

Pour into an ointment bottle, put the lid on tight, and let cool.

That's it!

Apply, as required, to control pain and kill cancer!

Topical applications are very powerful. They deliver the cannabinoids directly to the afflicted area and keep releasing cannabinoids slowly into the local area.

So, apply liberally to the effected areas. Massage in, apply some more, as required, to control pain and kill cancer!

## **Buried Treasure: Hemp Roots**

Break up the root-mass into small chunks, then place it into a slow cooker with water and oil in a 3:1 ratio (e.g. six cups water, two cups oil - an effective way to dissolve the active ingredients in the oil without 'frying' them), and leaving it to simmer for 12-14 hours, making sure to add water if it begins to dry out. The mixture is then strained and frozen; the oil is poured off the ice it rests upon and heated gently with beeswax, about 20% by volume, until the desired room-temperature consistency is achieved.

## **Advanced Section**

### **How to increase potency..**

Hash oil is not water soluble. Our blood is mostly water. We can improve bio-availability by adding an emulsifier to hash oil. **Lecithin** will do a fine job of emulsifying hash oil into water.

### **WARNING!**

THIS PROCESS WILL INCREASE THE POTENCY 10 FOLD

be very careful to start the first dose at one tenth of you regular dose.

# **The Cannabis Budwig Protocol:**

## **Bio-available Cannabinoids**

### **Step 1.**

Controlling The "High" from Cannabis Oil:

Take 3,000 mg to 5,000 mg of Citicoline (in powder form, mixed into six ounces of lemon water), one hour before you start The Cannabis Budwig Protocol.

### **Step 2.**

Cannabis Oil Dose:

Basic Concept:

Start your dose of Cannabis Oil with a half a grain of rice size twice a day.

(A half a grain of rice size is about 1/4 of a drop.)

One dose of the Cannabis Budwig Oral

### **Step 3.**

Ultrasonic Cleaner + Lecithin + Hot Water + One Dose of Cannabis Oil + Blending in an Ultrasonic Cleaner:

Add six tablespoons of boiling hot distilled water with three tablespoons of lecithin in the Ultrasonic Cleaner. Let The mixture sit for one minute before blending. This is your "lecithin mixture".

Next, completely blend one dose of cannabis oil with the "lecithin mixture. This is your "cannabis lecithin mixture". (Use a hand blender, with stainless steel whisk, for blending.)

Next, let the "cannabis lecithin mixture" cool down to room temperature.

Next, with the "cannabis lecithin mixture" in The Ultrasonic Cleaner, run 1 thirty minute ultrasonic cycle. Stir the "cannabis lecithin mixture" while running the ultrasonic cycle. Use a spoon or straw while stirring.

Next, refrigerate the "cannabis lecithin mixture" and let it cool for a couple hours.

Next, run the "cannabis lecithin mixture" through 1 more five minute ultrasonic cycle. This is "Bio-available Cannabinoids".

## Essential Oils

Another area that should be explored is within the use of Phenolic Oils.

Phenols and Phenylpropanoids are compounds of carbon-ring molecules incorporating an isoprene unit. They are sometimes called hemiterpenes. There are dozens of varieties of phenylpropanoids. They are found in Clove (90%), Cassia (80%), Basil (75%), Cinnamon (73%), Oregano (60%), Anise (50%), and Peppermint (25%).

While they can create conditions where unfriendly viruses and bacteria cannot live, the most important function performed by phenylpropanoids is that they clean the receptor sites on the cells. Without clean receptor sites cells cannot communicate, and the body malfunctions, resulting in sickness.

David Stewart, PhD, DNM also suggests in his book 'The Chemistry of Essential Oils Made Simple' – that phenolic oils can clean receptor sites.

Prof. Dr. Jürg Gertsch of the Institute of Biochemistry and Molecular Medicine, Switzerland conducted a brilliant research paper (5) looking for Phytocannabinoids beyond cannabis.

Prof Jürg Gertsch was kind enough to suggest the essential oil of *Melissa officinalis* (Lemon Balm) due to its terpenoid content, as a way to activate CB receptors, based on some preliminary research he has conducted.

In, 'Turned-Off Cannabinoid Receptor Turns on Colorectal Tumor Growth' published on [www.drugs.com](http://www.drugs.com)

(6) HOUSTON, Aug. 1, 2008 – New preclinical research shows that cannabinoid cell surface receptor CB1 plays a tumor-suppressing role in human colorectal cancer, scientists report in the Aug. 1 edition of the journal *Cancer Research*. CB1 is well-established for relieving pain and nausea, elevating mood and stimulating appetite by serving as a docking station for the cannabinoid group of signaling molecules. It now may serve as a new path for cancer prevention or treatment.

“We’ve found that CB1 expression is lost in most colorectal cancers, and when that happens a cancer-promoting protein is free to inhibit cell death,” said senior author Raymond DuBois, M.D. Ph.D. provost and executive vice president of The University of Texas, M. D. Anderson Cancer Center. DuBois and collaborators from Vanderbilt-Ingram Cancer Center also show that CB1 expression can be restored with an existing drug, decitabine. They found that mice prone to developing intestinal tumors that also have functioning CB1 receptors develop fewer and smaller tumors when treated with a drug that mimics a cannabinoid receptor ligand. Ligands are molecules that function by binding to specific receptors. Agonists are synthetic molecules that mimic the action of a natural molecule.

“Potential application of cannabinoids as anti-tumor drugs is an exciting prospect, because cannabinoid agonists are being evaluated now to treat the side-effects of chemotherapy and



radiation therapy," DuBois said. "Turning CB1 back on and then treating with a cannabinoid agonist could provide a new approach to colorectal cancer treatment or prevention."

In study entitled, "Loss of cannabinoid receptor 1 accelerates intestinal tumor growth," concluded, "In conclusion, our studies reveal the molecular mechanism by which cannabinoids inhibit tumor growth. We found that aberrant methylation of CB1 represents a clear mechanism for loss of expression in CRC. Using multiple approaches, we provide in vivo evidence demonstrating that endocannabinoid signaling via CB1 plays a key role in regulating intestinal tumor growth. Importantly, we elucidated the signaling pathway that mediates the pro-apoptotic effects of CB1. Moreover, our results may provide a rationale for the development of CB1 agonists that do not cross the blood-brain barrier for cancer prevention or treatment in combination with a demethylating agent."  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2561258/>

Cannabinoids are a group of ligands that serve a variety of cell-signaling roles. Some are produced by the body internally (endocannabinoids). External cannabinoids include man made versions, Synthetic cannabinoids and those present in plants, phytocannabinoids.

## **Medicinal cannabis therapy treatment for psychosis**

fine tune medicinal cannabis therapy to treat psychosis,  
add Essential oils to hash oil.

Essential oils to treat psychoses is well documented.

Please take some time to smell all these Essential oils;

Citrus, Lavender, Camphor, Tea Tree, Rose.

Now choose your favorite 3 ...

mix 1 drop of each of the three chosen Essential oils with every 1mil/gram of hash oil.

You can experiment with this mix to get the best most effective anti-psychotic, what works best for you and your body type.

Only 1 rule...

Never mix more then 10% Essential oils per gram/mil of hash oil,  
there are 30 drops in 1 mil/gram.

So never more then 3 drops of the same Essential oil,  
or 3 drops of any mix of Essential oils to every 1mil/gram of hash oil...

Now, the easiest way to administer it is to make a sub-lingual tincture.

### ***Sub-lingual Tincture of Cannabis***

mix 1:10, that's 1mil of the hash oil/Essential oils mix, to every 10mils of ethanol or vege glycerol. <--- recommended for kids cause it tastes sweet. Apply gentle heat, --> eg. float vege glycerol mix, in a separate container on hot, boiled water and stir till well mixed.

Let cool and its ready..

The Ethanol Tincture, wont need any heating, just stir, or shake till all well mixed..

## **Dose rates...**

1 to 10 drops under the tongue, as required till symptoms ease.

The good thing about this is,

the cannabinoids can reach the bloodstream through the mucus membranes by-passing the digestive system.

It becomes effective, very fast, for quick relief

and, it's much easier to find the right dose rate if you can see/feel the results within minutes..

## **Terpens**

## **Essential oil**

### **LIMONENE**

### **Citrus**

- Anti-anxiety
- Anti-bacterial
- Anti-cancer
- Anti-depressant
- Anti-fungal
- Bronchodilator

### **LINALOOL**

### **Lavender**

- Anti-anxiety
- Anti-bacterial
- Anti-convulsive
- Anti-depressant
- Anti-insomnia

### **BORNEOL**

### **Camphor**

- Analgesic
- Anti-insomnia
- Anti-septic
- Bronchodilator

### **CINEOL**

### **Tea Tree**

- Anti-bacterial
- Anti-depressant
- Anti-inflammatory
- Anti-ischemic
- Bronchodilator

### **CITRONELLOL**

### **Rose**

- Anti-cancer
- Anti-inflammatory
- Anti-insomnia
- Anti-spasmodic

Researchers “observed a lower mortality risk adjusted variable in cannabis-users compared to cannabis non-users despite subjects having similar symptoms and antipsychotic treatments.” They speculated that this association between marijuana use and decreased mortality risk may be because “cannabis users may (be) higher functioning“ and because “cannabis itself may have some health benefits.”

-Journal of Psychiatric Research

[www.MomsforMarijuana.org](http://www.MomsforMarijuana.org)

## About Me Radic AI Conscious

Although I do not have any formal qualifications in this field, my father is a retired herbalist, so I grew up with him growing and making many herbal medicines and cosmetics.

In my youth, I was in a car accident that left me with 7 crushed vertebra, and I life of chronic pain. I use to smoke lots of cannabis to control the pain. In 1995 I read a book called Hemp for Health which stated that cannabis is a herb.... That's when I realized that I could make medicines, very easy from cannabis, rather than just smoke it. So started my journey into the world of medicinal cannabis therapy.

The first extract I tried was a pain cream from the roots to treat my chronic back pain. It worked very well for me, then a neighbor, who was suffering pain from a tropical ulster on his foot, had to be carried to my door. I applied the root cream to his foot, soon after, he was able to walk home unassisted.

Well since then I have dug up many old traditional medicinal recipes and made lots of different medicines and successfully treated so many different ailments, both on myself and others who asked me for help.

There is nothing more empowering for me than, to grow and make my own medicines, that cure and relieve all my ailments.

From the garden to the medicine chest, it is all so easy, people have been successfully doing this without all the modern technology of today, for hundreds of years..

I wrote this book because I believe this is a very safe way to produce high quality medicines from cannabis.