

Granny Storm Crow's MMJ Reference List- January 2013

So much has happened in the six months since I put out the July 2012 List. Cannabis has been legalized in two states, which has encouraged other states to consider legalization. The news about cannabidiol's effect on various cancers with the ID-1 gene has finally made it into the mainstream media. Medical studies on cannabis and other cannabinoids are coming out at an amazing pace! In the whole of 1992, there were only 123 studies on "cannabinoids" at PubMed. A mere six weeks into this year, there are already 195! Quite a difference for just a decade!

And those new studies are confirming the importance of the Omega3 / CB receptor connection, investigating the effects of gene mutations affecting the endocannabinoid system, as well as delving into the mechanisms of exactly how cannabinoids heal us! Science is becoming aware of the almost unlimited potential of the endocannabinoid system for healing and the prevention of disease.

Yet, scientific research on cannabis is "discouraged" in the US, and, increasingly, I find that the new studies on cannabinoids are being done in Europe and China! We are falling behind in this rapidly emerging field of medicine!

In Kentucky and other agricultural states, the question of "industrial hemp" is being brought up as a new crop for America. As it is, all hemp products must be imported from China, Korea, Canada and other foreign countries.

Hemp is a multi-purpose, pest-resistant crop that can grow anywhere from the equator to Siberia! The fiber can be made into paper, silk-like fabrics, rope, fiberboard, and 1000s of other products! The seed is a popular snack in many parts of the world and is extremely nutritious. The seed oil can be used in foods and cosmetics, or made into biofuel to decrease our dependence on foreign oil! Legalization will cut our trade deficit!

It is time to bury the ghosts of Harry Anslinger and his friends! They have haunted our lives long enough! In the name of "saving the children", they have destroyed the lives of many of our brightest and most talented teens and young adults! Families have been torn apart! Parents are thrown in prison, while their children are dumped into foster homes... all paid for with your tax dollars! Innocent lives, like those of Kathryn Johnston and Jose Guerena, have been lost in raids where no drugs were found! All of that pain, misery and death just to prevent your use of a healing herb in your cigarettes, rather than the poisonous, but government approved, tobacco!

The cartels destroy the forests to supply the black market. Their product is often contaminated with pesticides, and may have absorbed poison from baits put out to kill deer and other wildlife. With legalization, we can grow our own superior home-grown cannabis and destroy the cartel's black market and its violence, without firing a single shot.

The madness of prohibition must be stopped! It is destroying our country financially, and wreaking havoc on the health and lives of our people, and that is the plain truth. And if the truth won't do, then something is wrong!

It Is Time for Marijuana to Be Reclassified as Something Other Than a Schedule I Drug!
(2005) <http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1681626&tool=pmcentrez>

ACEA/ ARACHIDONYL-2'-CHLOROETHYLAMIDE - synthetic, CB1 agonist

Synthesis and characterization of potent and selective agonists of the neuronal cannabinoid receptor (CB1). (full – 1999) <http://jpet.aspetjournals.org/content/289/3/1427.long>

The cannabinoids R(-)-7-hydroxy-delta-6-tetra-hydrocannabinol-dimethylheptyl (HU-210), 2-O-arachidonoylglycerylether (HU-310) and arachidonyl-2-chloroethylamide (ACEA) increase isoflurane provoked sleep duration by activation of cannabinoids 1 (CB1)-receptors in mice. (abst – 2002) <http://www.ncbi.nlm.nih.gov/pubmed/12095655>

In vivo effects of CB1 receptor ligands on lipid peroxidation and antioxidant defense systems in the rat brain of healthy and ethanol-treated rats. (full – 2006) http://www.if-pan.krakow.pl/pjp/pdf/2006/6_876.pdf

Differential effect of cannabinoid agonists and endocannabinoids on histamine release from distinct regions of the rat brain. (full – 2006) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1769340/?tool=pubmed>

Arachidonyl-2'-chloroethylamide, a highly selective cannabinoid CB1 receptor agonist, enhances the anticonvulsant action of valproate in the mouse maximal electroshock-induced seizure model. (abst – 2006) <http://www.ncbi.nlm.nih.gov/pubmed/16930590>

Opposing control of cannabinoid receptor stimulation on amyloid-beta-induced reactive gliosis: in vitro and in vivo evidence. (full - 2007) <http://jpet.aspetjournals.org/content/322/3/1144.long>

Ultra-low dose cannabinoid antagonist AM251 enhances cannabinoid anticonvulsant effects in the pentylenetetrazole-induced seizure in mice. (abst – 2007) <http://www.ncbi.nlm.nih.gov/pubmed/17870135>

Attenuation of Experimental Autoimmune Hepatitis by Exogenous and Endogenous Cannabinoids: Involvement of Regulatory T Cells (full - 2008) <http://molpharm.aspetjournals.org/content/74/1/20.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block>

Cannabinoid modulation of cutaneous Delta nociceptors during inflammation. (full – 2008) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2585399/?tool=pubmed>

Cannabinoid-mediated antinociception is enhanced in rat osteoarthritic knees. (full – 2008) <http://onlinelibrary.wiley.com/doi/10.1002/art.23156/full>

Cannabinoid receptor activation induces apoptosis through tumor necrosis factor alpha-mediated ceramide de novo synthesis in colon cancer cells. (full – 2008)
<http://clincancerres.aacrjournals.org/content/14/23/7691.long>

Additive Interaction of the Cannabinoid Receptor I Agonist Arachidonyl-2-chloroethylamide with Etomidate in a Sedation Model in Mice (full – 2008)
[http://journals.lww.com/anesthesiology/Fulltext/2008/04000/Additive Interaction of the Cannabinoid Receptor I.19.aspx](http://journals.lww.com/anesthesiology/Fulltext/2008/04000/Additive_Interaction_of_the_Cannabinoid_Receptor_I.19.aspx)

Peripheral cannabinoid CB1 receptors inhibit evoked responses of nociceptive neurones in vivo (abst – 2008) <http://www.sciencedirect.com/science/article/pii/S0014299908002719>

Endogenous cannabinoids induce fever through the activation of CB1 receptors. (full – 2009) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2765314/?tool=pubmed>

The effects of intracerebroventricular AM-251, a CB1-receptor antagonist, and ACEA, a CB1-receptor agonist, on penicillin-induced epileptiform activity in rats. (full – 2009)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1528-1167.2009.02098.x/full>

Involvement of nitergic system in the anticonvulsant effect of the cannabinoid CB(1) agonist ACEA in the pentylenetetrazole-induced seizure in mice. (abst – 2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19223154>

Involvement of nitric oxide in the gastroprotective effect of ACEA, a selective cannabinoid CB1 receptor agonist, on aspirin-induced gastric ulceration. (abst – 2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19827302>

Effect of arachidonyl-2'-chloroethylamide, a selective cannabinoid CB1 receptor agonist, on the protective action of the various antiepileptic drugs in the mouse maximal electroshock-induced seizure model. (abst – 2009)
<http://www.ncbi.nlm.nih.gov/pubmed/19751793>

Role of cannabinoid CB1 receptors on macronutrient selection and satiety in rats. (abst – 2009) <http://www.ncbi.nlm.nih.gov/pubmed/19150453>

Regulatory Role of Cannabinoid Receptor 1 in Stress-Induced Excitotoxicity and Neuroinflammation (full - 2010)
<http://www.nature.com/npp/journal/vaop/ncurrent/full/npp2010214a.html>

Alkamides and a neolignan from Echinacea purpurea roots and the interaction of alkamides with G-protein-coupled cannabinoid receptors. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/21764086>

The Effect of Hypoxia on G Protein Coupled (CB1) Receptor Gene Expression in Cortical B50 Neurons in Culture (abst – 2011)
<http://www.maxwellsci.com/jp/abstract.php?jid=BJPT&no=92&abs=05>

Inhibition of basal and ultraviolet B-induced melanogenesis by cannabinoid CB(1) receptors: a keratinocyte-dependent effect. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/21298280>

L-Type Calcium Channel Mediates Anticonvulsant Effect of Cannabinoids in Acute and Chronic Murine Models of Seizure. (abst – 2011)
<http://www.ncbi.nlm.nih.gov/pubmed/21928146>

Changes in the cannabinoid (CB1) receptor expression level and G-protein activation in kainic acid induced seizures. (abst – 2011) <http://www.ncbi.nlm.nih.gov/pubmed/22079489>

Contrasting effects of different cannabinoid receptor ligands on mouse ingestive behavior (abst – 2012)
http://www.unboundmedicine.com/medline/ebm/record/22772336/abstract/Contrasting_effects_of_different_cannabinoid_receptor_ligands_on_mouse_ingestive_behaviour

CB1 Agonist ACEA Protects Neurons and Reduces the Cognitive Impairment of A β PP/PS1 Mice. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22451318>

Protective effect of cannabinoid CB1 receptor activation against altered intrinsic repetitive firing properties induced by A β neurotoxicity. (abst – 2012)
<http://www.ncbi.nlm.nih.gov/pubmed/22172925>

CB1 cannabinoid receptor activation rescues amyloid β -induced alterations in behaviour and intrinsic electrophysiological properties of rat hippocampal CA1 pyramidal neurones. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22508047>

Opposing Roles for Cannabinoid Receptor Type-1 (CB(1)) and Transient Receptor Potential Vanilloid Type-1 Channel (TRPV1) on the Modulation of Panic-Like Responses in Rats. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/21937980>

Contrasting protective effects of cannabinoids against oxidative stress and amyloid- β evoked neurotoxicity in vitro. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22233683>

Cannabinoids and muscular pain. Effectiveness of the local administration in rat. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22354705>

Revisiting CB1 Receptor as Drug Target in Human Melanoma. (abst – 2012)
<http://www.ncbi.nlm.nih.gov/pubmed/22447182>

Photoperiodic Changes in Endocannabinoid Levels and Energetic Responses to Altered Signalling at CB1 Receptors in Siberian Hamsters (abst – 2012)
<http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2826.2012.02312.x/abstract>

Effect of ACEA-a selective cannabinoid CB1 receptor agonist on the protective action of different antiepileptic drugs in the mouse pentylenetetrazole-induced seizure model. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22789660>

Evaluation of Anti-invasion Effect of Cannabinoids on Human Hepatocarcinoma Cells.

(abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22978792>

Distribution and function of the endocannabinoid system in the rat and human bladder.

(abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/23081739>

Chronic activation of cannabinoid receptors in vitro does not compromise mouse islet function. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/23078523>

Revisiting CB1 receptor as drug target in human melanoma. (abst – 2012)
<http://www.ncbi.nlm.nih.gov/pubmed/22447182>

Anti-Cancer Effects In Human Liver Cancer Cells Produced By Cannabis Agonists
(news – 2012) <http://www.imarijuana.com/tag/cannabinoid-agonists>

Type-1 (CB(1)) Cannabinoid Receptor Promotes Neuronal Differentiation and
Maturation of Neural Stem Cells. (abst – 2013)

<http://www.ncbi.nlm.nih.gov/pubmed/23372698>

Evaluation of anti-invasion effect of cannabinoids on human hepatocarcinoma cells.

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Role of cannabinoid and vanilloid receptors in invasion of human breast carcinoma cells

(abst – 2013) <http://www.ncbi.nlm.nih.gov/pubmed/23394450>

ACHILLES TENDINOSIS

Increased Expression of Cannabinoid CB(1) Receptors in Achilles Tendinosis.

(full – 2011) <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3169627/?tool=pubmed>

ACNE

Cannabis (Marijuana) Being Looked at For Acne Clearing Properties (news – 2007)

<http://www.acnemagazine.com/cannabis-marijuana-being-looked-at-for-acne-clearing-properties/>

Endocannabinoids enhance lipid synthesis and apoptosis of human sebocytes via
cannabinoid receptor-2-mediated signaling. (full – 2008)

<http://www.fasebj.org/content/22/10/3685.long>

Cannabis - Why it could be an acne cure (news – 2008)

<http://www.truthinaging.com/face/why-cannabis-could-be-an-acne-cure>

The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities. (full – 2009)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757311/?tool=pubmed>

Hemp Seed Oil Benefits (news – 2009)

<http://www.livestrong.com/article/31903-hemp-seed-oil-benefits/>

Cannabidiol as a treatment for acne? (article, p. 31 – 2010)

<http://www.scribd.com/doc/50251051/ICRS2009-Pheasant-Run-Illinois>

Endocannabinoid signaling and epidermal differentiation. (abst – 2011)

<http://www.ncbi.nlm.nih.gov/pubmed/21628127>

ADD/ ADHD

ADHD by Ryan P (anecdotal - undated)

http://www.rxmarijuana.com/shared_comments/ADHD4.htm

Marijuana and ADD Therapeutic uses of Medical Marijuana in the treatment of ADD

(undated) <http://www.onlinepot.org/medical/add&mmj.htm>

Barba Jacob and the history of marihuana (abst – 1986)

<http://www.ncbi.nlm.nih.gov/pubmed/3296662>

Recipe For Trouble (anecdotal/ news - 2002)

<http://www.cbsnews.com/stories/2002/03/05/48hours/main503022.shtml>

Association between cannabinoid receptor gene (CNR1) and childhood attention deficit/hyperactivity disorder in Spanish male alcoholic patients (full - 2003)

<http://www.nature.com/mp/journal/v8/n5/full/4001278a.html>

Cannabinoids effective in animal model of hyperactivity disorder (abst - 2003)

http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=162#4

Cannabis 'Scripts to Calm Kids? (news - 2004)

<http://www.foxnews.com/story/0,2933,117541,00.html>

Fitness to drive in spite (because) of THC (abst - 2007)

[http://www.unboundmedicine.com/medline/ebm/record/17879702/abstract/%5BFitness to drive in spite because of THC%5D](http://www.unboundmedicine.com/medline/ebm/record/17879702/abstract/%5BFitness%20to%20drive%20in%20spite%20because%20of%20THC%5D)

Science: THC normalized impaired psychomotor performance and mood in a patient with hyperactivity disorder (news - 2007)

http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=254

Association of the Cannabinoid Receptor Gene (CNR1) With ADHD and Post-Traumatic Stress Disorder (full - 2008)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2685476/?tool=pubmed>

Cannabis Improves Symptoms of ADHD (full - 2008)

http://www.cannabis-med.org/english/journal/en_2008_01_1.pdf

Cannabis use and adult ADHD symptoms. (abst - 2008)

<http://www.ncbi.nlm.nih.gov/pubmed/18242878>

Autism, ADD, ADHD and Marijuana Therapy (news - 2008)

<http://www.entheology.org/edoto/anmviewer.asp?a=319>

Effects of the cannabinoid CB1 receptor antagonist rimonabant on distinct measures of impulsive behavior in rats. (full – 2009)

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Bidirectional regulation of novelty-induced behavioral inhibition by the endocannabinoid system. (abst – 2009)

<http://www.ncbi.nlm.nih.gov/pubmed/19607846>

Cannabinoid receptors in brain: pharmacogenetics, neuropharmacology, neurotoxicology, and potential therapeutic applications (abst – 2009)

<http://www.ncbi.nlm.nih.gov/pubmed/19897083>

Prescribing marijuana to kids (news – 2009)

<http://theweek.com/article/index/103325/prescribing-marijuana-to-kids>

Why I Give My 9-year-old Pot (anecdotal/news - 2009)

<http://www.doublex.com/section/health-science/why-i-give-my-9-year-old-pot>

Why I Give My 9-Year-Old Pot, Part II (news/anecdotal - 2009)

<http://www.doublex.com/section/health-science/why-i-give-my-9-year-old-pot-part-ii>

Why I Give My 9-Year-Old Pot, Part 3 (news - 2010)

<http://www.slate.com/id/2251174/>

Dr. Jean Talleyrand Says Marijuana Safer than Ritalin for ADHD Teens (news – 2010)

<http://spotlight.vitals.com/2010/01/dr-jean-talleyrand-says-marijuana-safer-than-ritalin-for-adhd-teens/>

Science: Cannabis effective in the treatment of TOURETTE Syndrome and attention deficit hyperactivity disorder (ADHD) (news – 2010)

http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=323&search_pattern=tourette#2

Loss of striatal cannabinoid CB1 receptor function in attention-deficit/hyperactivity disorder mice with point-mutation of the dopamine transporter. (abst – 2011)

<http://www.ncbi.nlm.nih.gov/pubmed/22034972>

Why I Give My Autistic Son Pot, Part 4 (news – 2011)

<http://www.slate.com/id/2294072/?from=rss>

Why Omega-3s Affect Your Mood (news – 2011)
<http://voices.yahoo.com/why-omega-3s-affect-mood-8180941.html?cat=5>

Effects of amphetamine on dopamine release in the rat nucleus accumbens shell region depend on cannabinoid CB1 receptor activation. (abst – 2012)
<http://www.ncbi.nlm.nih.gov/pubmed/22426202>

Cannabidiol and clozapine reverse MK-801-induced deficits in social interaction and hyperactivity in Sprague-Dawley rats. (abst – 2012)
<http://www.ncbi.nlm.nih.gov/pubmed/22495620>

ADDICTION

Tokepure (news –undated) <http://ukcia.org/activism/tokepure.php>

An Abstinence Syndrome Following Chronic Administration of Delta-9-terahydrocannabinol in Rhesus Monkeys. (abst – 1980)
<http://www.ncbi.nlm.nih.gov/pubmed/6255508>

Abuse potential of dronabinol (Marinol). (abst – 1998)
<http://www.ncbi.nlm.nih.gov/pubmed/9692381>

Relative Addictiveness of Various Substances (full - 1990)
<http://www.ukcia.org/research/addictiv.htm>

Genetic differences in delta 9-tetrahydrocannabinol-induced facilitation of brain stimulation reward as measured by a rate-frequency curve-shift electrical brain stimulation paradigm in three different rat strains. (abst – 1996)
<http://www.ncbi.nlm.nih.gov/pubmed/8649214>

Cannabis dependence, withdrawal, and reinforcing effects among adolescents with conduct symptoms and substance use disorders (abst – 1997)
<http://www.sciencedirect.com/science/article/pii/S0376871698000039>

Anandamide, an Endogenous Cannabinoid, Has a Very Low Physical Dependence Potential (full - 1998)
<http://jpet.aspetjournals.org/content/287/2/598.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=480&resourcectype=HWCIT>

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Chronic Morphine Modulates the Contents of the Endocannabinoid, 2-Arachidonoyl Glycerol, in Rat Brain (full - 2003)

<http://www.nature.com/npp/journal/v28/n6/full/1300117a.html>

Does Cannabis Use Predict Poor Outcome for Heroin-dependent Patients on Maintenance Treatment? Past Findings and More Evidence Against. (full – 2003)

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Human cannabinoid receptor 1: 5' exons, candidate regulatory regions, polymorphisms, haplotypes and association with polysubstance abuse. (full – 2004)

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Cannabis Abuse is Not a Risk Factor for Treatment Outcome in Methadone Maintenance Treatment: a 1-year Prospective Study in an Israeli Clinic. (abst – 2004)

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Alcohol Consumption Moderates the Link Between Cannabis Use and Cannabis Dependence in an Internet Survey. (abst – 2005)

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Long term marijuana users seeking medical cannabis in California (2001–2007): demographics, social characteristics, patterns of cannabis and other drug use of 4117 applicants (full - 2007)

<http://www.harmreductionjournal.com/content/4/1/16>

Lack of behavioral sensitization after repeated exposure to THC in mice and comparison to methamphetamine (full - 2007)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2637562/?tool=pubmed>

The fatty acid amide hydrolase C385A (P129T) missense variant in cannabis users: studies of drug use and dependence in Caucasians (abst – 2007)

<http://www.ncbi.nlm.nih.gov/pubmed/17290447>

The endogenous cannabinoid system and drug addiction 20 years after the discovery of the CB1 receptor (full – 2008)

<http://www.docstoc.com/docs/34397633/The-endogenous-cannabinoid-system-and-drug-addiction-20-years>

Merck Manual - Marijuana (Cannabis) (excerpt - 2008)

http://www.merckmanuals.com/professional/special_subjects/drug_use_and_dependence/marijuana_cannabis.html?qt=marijuana&alt=sh#v1027079

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<http://www.csdp.org/publicservice/medicalmj08.htm>

Calling B.S. on the Idea of 'Marijuana Addiction' (news – 2008)

<http://www.alternet.org/drugs/80408/?page=entire>

When Your Kid Smokes Pot (news – 2008)

<http://mensnewsdaily.com/2010/08/08/when-your-kid-smokes-pot/>

Adolescent Exposure to Chronic Delta-9-Tetrahydrocannabinol Blocks Opiate Dependence in Maternally Deprived Rats (full - 2009)

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The Surprising Effect Of Marijuana On Morphine Dependence (news - 2009)

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Active Ingredient In Cannabis Eliminates Morphine Dependence In Rats (news - 2009)

<http://www.sciencedaily.com/releases/2009/07/090706090440.htm>

Four percent of adults worldwide using cannabis (news – 2009)

<http://phys.org/news174892348.html>

For pot users, visual and audible cues set off cravings (news – 2009)

<http://arstechnica.com/science/2009/07/abstinent-marijuana-users-still-have-cravings/>

The use and misuse of alcohol and marijuana can be traced to a common set of genes (news – 2009)

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Medical marijuana users in substance abuse treatment. (full – 2010)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2848643/?tool=pubmed>

Teen Pot Smoking Won't Lead to Other Drugs as Adults (news - 2010)

<http://www.webmd.com/parenting/news/20100902/teen-pot-smoking-wont-lead-to-other-drugs-as-adults>

Aerobic Exercise Training Reduces Cannabis Craving and Use in Non-Treatment Seeking Cannabis-Dependent Adults (full – 2011)

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3050879/?tool=pmcentrez>

The Endocannabinoid System as Pharmacological Target Derived from Its CNS Role in Energy Homeostasis and Reward. Applications in Eating Disorders and Addiction (link to PDF - 2011)

<http://www.mdpi.com/1424-8247/4/8/1101>

Abuse potential and psychoactive effects of δ -9-tetrahydrocannabinol and cannabidiol oromucosal spray (Sativex), a new cannabinoid medicine. (abst – 2011)

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<http://www.news-medical.net/news/20110304/Exercise-can-reduce-cannabis-use-in-persons-who-dont-want-to-stop.aspx>

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(full - 2012) <http://link.springer.com/article/10.1007/s12035-012-8299-0/fulltext.html>

Medical marijuana laws in 50 states: Investigating the relationship between state legalization of medical marijuana and marijuana use, abuse and dependence.
(abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22099393>

A genetic perspective on the proposed inclusion of cannabis withdrawal in DSM-5.
(abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/23194657>

Reduction of dependence to cannabinoids by GLT-1 activating property of the beta-lactam antibiotic. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/23253111>

Inhibition of FAAH and activation of PPAR: New approaches to the treatment of cognitive dysfunction and drug addiction. (abst – 2013)
<http://www.ncbi.nlm.nih.gov/pubmed/23333350>

2-AG / 2-ARACHIDONOYLGLYCEROL - endocannabinoid, CB1 & CB 2 agonist

Phytocannabinoids (news – undated)
<http://www.news-medical.net/health/Phytocannabinoids.aspx>

2-Arachidonoylglycerol: A Possible Endogenous Cannabinoid Receptor Ligand in Brain
(abst – 1995) <http://www.sciencedirect.com/science/article/pii/S0006291X85724370>

Anandamide amidohydrolase reacting with 2-arachidonoylglycerol, another cannabinoid receptor ligand (full – 1997)
http://www.druglibrary.org/crl/receptors/endogenous/Goparahu%20et.al%2098%202-AG_%20FEBSLet.pdf

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AM -678 - see JWH -100

AM-694 – synthetic, CB1 & CB2 agonist

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Activation of CB2 cannabinoid receptors by AM1241 inhibits experimental neuropathic pain: Pain inhibition by receptors not present in the CNS (full - 2003)
<http://www.pnas.org/content/100/18/10529.full>

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AM1241, a cannabinoid CB2 receptor selective compound, delays disease progression in a mouse model of amyotrophic lateral sclerosis. (abst - 2006)

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AM-1346 - synthetic, CB1 agonist

Synthetic Cannabinoid May Aid Fertility In Smokers (news - 2006)

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Cannabis-based boost for smokers' suffering sperm (news - 2006)

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Pharmacological characterization of AM1710, a putative cannabinoid CB(2) agonist from the cannabylactone class: Antinociception without central nervous system side-effects. (abst – 2011)

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AM-2201 – synthetic, CB1 agonist

Analysis of 30 synthetic cannabinoids in serum by liquid chromatography-electrospray ionization tandem mass spectrometry after liquid-liquid extraction (abst – 2012)

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AM -2233 – synthetic, CB1 agonist

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Evaluation of the in vivo receptor occupancy for the behavioral effects of cannabinoids using a radiolabeled cannabinoid receptor agonist, R-[125/131I]AM2233. (abst – 2006) <http://www.ncbi.nlm.nih.gov/pubmed/16715483>

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<http://tvnz.co.nz/national-news/another-nail-in-coffin-synthetic-cannabis-4666168?ref=rss>

AM-3506 – synthetic, blocks the break-down of Anandamide

Inhibitor of fatty acid amide hydrolase normalizes cardiovascular function in hypertension without adverse metabolic effects. (full – 2010)
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<http://www.ncbi.nlm.nih.gov/pubmed/22670561?dopt=Abstract>

AM- 4054 - synthetic, CB1 agonist

Behavioral Profile of the Novel Cannabinoid Agonist AM4054 (thesis - 2006)
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Effects of a Selective Cannabinoid Agonist and Antagonist on Body Temperature in Rats (abst - 2007)
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Diuretic effects of cannabinoids. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/23019138>

AM- 4113 – synthetic, CB1 antagonist

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The CB(1) Receptor-Mediated Endocannabinoid Signaling and NGF: The Novel Targets of Curcumin. (abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22311129>

AM 6545 – synthetic, CB1 antagonist

Rehashing endocannabinoid antagonists: can we selectively target the periphery to safely treat obesity and type 2 diabetes? (full – 2010)

[http://www.jci.org/articles/view/44099?search\[abstract_text\]=&search\[article_text\]=cannabinoid&search\[authors_text\]=&search\[fpage\]=&search\[title_text\]=&search\[volume\]=](http://www.jci.org/articles/view/44099?search[abstract_text]=&search[article_text]=cannabinoid&search[authors_text]=&search[fpage]=&search[title_text]=&search[volume]=)

AM 6701 – synthetic, equally blocks the break-down of 2-AG and anandamide

Equipotent Inhibition of Fatty Acid Amide Hydrolase and Monoacylglycerol Lipase - Dual Targets of the Endocannabinoid System to Protect against Seizure Pathology.

(abst – 2012) <http://www.ncbi.nlm.nih.gov/pubmed/22270809>

AM 6702 - synthetic, strongly blocks the break-down of anandamide, weakly 2-AG

Equipotent Inhibition of Fatty Acid Amide Hydrolase and Monoacylglycerol Lipase - Dual Targets of the Endocannabinoid System to Protect against Seizure Pathology.

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AMOTIVATIONAL SYNDROME

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Marihuana use. Biologic and behavioral aspects. (abst – 1976)

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Lifetime Prevalence of "Amotivational Syndrome", Among Users and Non-Users of Hashish (abst – 1987) <http://druglibrary.org/schaffer/hemp/general/amot.htm>

Cannabis amotivational syndrome and personality trait absorption: A review and reconceptualization (full - 1994) <http://www.ukcia.org/research/PersonalityTraitAbsorption.php>

Debunking the Amotivational Syndrome (news - 1995)

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AMYRINS – phytochemicals that inhibit the breakdown of 2-AG

Mechanisms underlying the inhibitory actions of the pentacyclic triterpene α -amyirin in the mouse skin inflammation induced by phorbol ester 12-O-tetradecanoylphorbol-13-acetate (abst – 2006) <http://www.sciencedirect.com/science/article/pii/S0014299906014014>

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The antinociceptive triterpene β -amyirin inhibits 2-arachidonoylglycerol (2-AG) hydrolysis without directly targeting CB receptors. (full – 2012)
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Amyrin and the endocannabinoid system (news – 2012)
<http://gertschgroup.com/blog/entry/3188293/amyrin-and-the-endocannabinoid-system>

ANANDAMIDE / AEA – endocannabinoid, CB 1 & 2 agonist

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<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2175863/?tool=pmcentrez&page=1>

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CBR - GPR55/ CB3 CANNABINOID RECEPTOR

Activated by 1- α -lysophosphatidylinositol (LPI), and to a lesser extent possibly by THC, CBD, O-1602, PEA, 2-AG, Anandamide, Virodhamine

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<http://www.advance-health.com/efa.html>

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