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 Kathyrn 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!
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-arachidonoyl-glycerylether (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


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


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 Adelta nociceptors during inflammation. (full – 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2585399/?tool=pubmed


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


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


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


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


Opposing Roles for Cannabinoid Receptor Type-1 (CB1) 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


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


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


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

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)  

Endocannabinoid signaling and epidermal differentiation. (abst – 2011)  

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)  

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.htm

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 'Scrips 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

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

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

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)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1915592/?tool=pubmed


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

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)


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

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

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

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)  

Effects of amphetamine on dopamine release in the rat nucleus accumbens shell region depend on cannabinoid CB1 receptor activation.  (abst – 2012)  

Cannabidiol and clozapine reverse MK-801-induced deficits in social interaction and hyperactivity in Sprague-Dawley rats.  (abst – 2012)  

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)  

Abuse potential of dronabinol (Marinol).  (abst – 1998)  

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)  

Cannabis dependence, withdrawal, and reinforcing effects among adolescents with conduct symptoms and substance use disorders  (abst – 1997)  

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&resourcetype=HWCIT

Delta9-tetrahydrocannabinol releases and facilitates the effects of endogenous enkephalins: reduction in morphine withdrawal syndrome without change in rewarding effect.  (abst – 2001)  
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

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2943839/

Human cannabinoid receptor 1: 5' exons, candidate regulatory regions, polymorphisms, haplotypes and association with polysubstance abuse. (full – 2004)
http://www.nature.com/mp/journal/v9/n10/full/4001560a.html


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)

Alcohol Consumption Moderates the Link Between Cannabis Use and Cannabis Dependence in an Internet Survey. (abst – 2005)
http://psycnet.apa.org/journals/adb/19/2/212/


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)

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

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

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)
http://www.nature.com/npp/journal/v34/n11/full/npp200970a.html

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

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

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)

The use and misuse of alcohol and marijuana can be traced to a common set of genes (news – 2009)  http://www.eurekalert.org/pub_releases/2009-12/ace-tua121209.php

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)

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


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

Dronabinol for the treatment of cannabis dependence: a randomized, double-blind, placebo-controlled trial.  (abst – 2011)
http://www.unboundmedicine.com/medline/ebm/record/21310551/abstract/Dronabinol_for_the_treatment_of_cannabis_dependence_a_randomized_double_blind_placebo_controlled_trial
The genetic basis of the endocannabinoid system and drug addiction in humans (abst – 2011)  http://jop.sagepub.com/content/early/2011/09/20/0269881111416689


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

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


2-Arachidonoylglycerol, an endogenous cannabinoid receptor agonist: identification as one of the major species of monoacylglycerols in various rat tissues, and evidence for its generation through Ca2+-dependent and -independent mechanisms (full – 1998)  
http://www.druglibrary.org/crl/receptors/endogenous/Kondo%20et.al%2098%20Generation%20FEBSLet.pdf

2-Arachidonoyl-glycerol as an "endocannabinoid": limelight for a formerly neglected metabolite. (abst - 1998)  

Evidence That the Cannabinoid CB1 Receptor Is a 2-Arachidonoylglycerol Receptor (full – 1999)  
http://www.jbc.org/content/274/5/2794.long

Synthesis and Biological Activities of 2-Arachidonoylglycerol, an Endogenous Cannabinoid Receptor Ligand, and Its Metabolically Stable Ether-linked Analogues (full – 2000)  
http://cpb.pharm.or.jp/cpb/200007/C07_0903.pdf

Endocannabinoids control spasticity in a multiple sclerosis model (full - 2000)  
http://www.fasebj.org/cgi/reprint/00-0399fjev1?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT

Endocannabinoid 2-arachidonyl glycerol is a full agonist through human type 2 cannabinoid receptor: antagonism by anandamide. (full – 2000)  
http://molpharm.aspetjournals.org/content/57/5/1045.long

Endocannabinoids and Vascular Function (full - 2000)  
http://jpet.aspetjournals.org/content/294/1/27.long

2-Arachidonoylglycerol and the cannabinoid receptors. (abst – 2000)  

Cardiovascular effects of endocannabinoids--the plot thickens. (abst - 2000)  

Endogenous cannabinoids and appetite. (abst – 2000)  

Despite substantial degradation, 2-arachidonoylglycerol is a potent full efficacy agonist mediating CB(1) receptor-dependent G-protein activation in rat cerebellar membranes. (full – 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572991/?tool=pubmed

Endogenous cannabinoids mediate hypotension after experimental myocardial infarction (full - 2001)  
http://content.onlinejacc.org/cgi/content/full/38/7/2048?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=560&resourcetype=HWCIT
Inhibition of Rat C6 Glioma Cell Proliferation by Endogenous and Synthetic Cannabinoids. Relative Involvement of Cannabinoid and Vanilloid Receptors (full - 2001)  
http://jpet.aspetjournals.org/content/299/3/951.full

Cannabinoid CB1-receptor mediated regulation of gastrointestinal motility in mice in a model of intestinal inflammation  (full - 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1572987/?tool=pmcentrez

2-Arachidonyl glycercy ether, an endogenous agonist of the cannabinoid CB1 receptor  (full - 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC31108/

Endocannabinoids are implicated in the infarct size-reducing effect conferred by heat stress preconditioning in isolated rat hearts  (full – 2001)  

The neurobiology and evolution of cannabinoid signalling  (abst – 2001)  
http://rstb.royalsocietypublishing.org/content/356/1407/381.abstract?ijkey=3aad97283bf56bae0ada89fe6c25ef27a702e9ba&keytype2=tf_ipsecsha

An endogenous cannabinoid (2-AG) is neuroprotective after brain injury.  (abst - 2001)  

Sourcing the Code: Searching for the Evolutionary Origins of Cannabinoid Receptors, Vanilloid Receptors, and Anandamide  (full – 2002)  

Activation of PAF receptors results in enhanced synthesis of 2-arachidonoylglycerol (2-AG) in immune cells  (full - 2002)  
http://www.fasebj.org/cgi/content/full/15/12/2171?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=10&sortspec=relevance&resourcetype=HWCIT

The potent emetogenic effects of the endocannabinoid, 2-AG (2-arachidonoylglycerol) are blocked by delta(9)-tetrahydrocannabinol and other cannabinoids.  (full – 2002)  
http://jpet.aspetjournals.org/content/300/1/34.long

Comparison of the enzymatic stability and intraocular pressure effects of 2-arachidonoylglycerol and noladin ether, a novel putative endocannabinoid.  (full – 2002)  
http://www.iovs.org/content/43/10/3216.full

Endocannabinoid levels in rat limbic forebrain and hypothalamus in relation to fasting, feeding and satiation: stimulation of eating by 2-arachidonoyl glycerol.  (full – 2002)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573386/?tool=pubmed

Changes in endocannabinoid contents in the brain of rats chronically exposed to nicotine, ethanol or cocaine.  (abst – 2002)  

Endocannabinoids and related fatty acid derivatives in pain modulation.  (abst – 2002)
Endocannabinoids protect the rat isolated heart against ischaemia  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573907/?tool=pmcentrez

Chronic Morphine Modulates the Contents of the Endocannabinoid, 2-Arachidonoyl Glycerol, in Rat Brain  
http://www.nature.com/npp/journal/v28/n6/full/1300117a.html

Role of Endogenous Cannabinoids in Synaptic Signaling  
http://physrev.physiology.org/cgi/content/full/83/3/1017?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT

The Endogenous Cannabinoid System Regulates Seizure Frequency and Duration in a Model of Temporal Lobe Epilepsy  
http://jpet.aspetjournals.org/content/307/1/129.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&resourcetype=HWCIT

Manipulation of the endocannabinoid system by a general anaesthetic.  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573927/?tool=pubmed

Cannabinoid influences on palatability: microstructural analysis of sucrose drinking after delta(9)-tetrahydrocannabinol, anandamide, 2-arachidonoyl glycerol and SR141716.  

Short-term fasting and prolonged semistarvation have opposite effects on 2-AG levels in mouse brain.  

The endocannabinoid system: a general view and latest additions  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574255/?tool=pmcentrez

New perspectives in the studies on endocannabinoid and cannabis: 2-arachidonoylglycerol as a possible novel mediator of inflammation  
https://www.jstage.jst.go.jp/article/jphs/96/4/96_4_367/_pdf

2-Arachidonoylglycerol A Novel Inhibitor of Androgen-Independent Prostate Cancer Cell Invasion  
http://cancerres.aacrjournals.org/cgi/content/full/64/24/8826?ijkey=951f5f9d238bf059cf30ee2be3a5a31aa f2b094

The endocannabinoid-CB receptor system: Importance for development and in pediatric disease.  

A new class of inhibitors of 2-arachidonoylglycerol hydrolysis and invasion of prostate cancer cells  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1450257/

2-Arachidonoylglycerol, an endogenous cannabinoid receptor ligand, induces rapid actin polymerization in HL-60 cells differentiated into macrophage-like cells  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1134878/
Analgesia through endogenous cannabinoids  (full - 2005)  
http://www.cmaj.ca/cgi/content/full/173/4/357?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=endocannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=date&resourcetype=HWCIT

CB1 cannabinoid receptor-mediated modulation of food intake in mice  (full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1576140/?tool=pmcentrez

Effects of cannabinoids on colonic muscle contractility and tension in guinea pigs.  (full – 2005)  
https://www.jstage.jst.go.jp/article/jnms/72/1/72_1_43/_pdf

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The endocannabinoid 2-AG protects the blood-brain barrier after closed head injury and inhibits mRNA expression of proinflammatory cytokines.  (abst - 2005)  
http://lib.bioinfo.pl/pmid:16364651


Body's Own Marijuana-Like Compounds Are Crucial For Stress-Induced Pain Relief  (news - 2005)  
http://www.sciencedaily.com/releases/2005/06/050628064435.htm

Regulation, Function, and Dysregulation of Endocannabinoids in Models of Adipose and ß-Pancreatic Cells and in Obesity and Hyperglycemia  (full - 2006)  
http://jcem.endojournals.org/cgi/content/full/91/8/3171?ijkey=83a68cef202eafe129332eda53ee8eb61349982

Endocannabinoids, feeding and suckling – from our perspective  (full – 2006)  
http://www.nature.com/ijo/journal/v30/n1s/full/0803274a.html

Not Too Excited? Thank Your Endocannabinoids  (full - 2006)  

Experimental autoimmune encephalomyelitis disrupts endocannabinoid-mediated neuroprotection  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1458883/?tool=pmcentrez

Weight Control in Individuals With Diabetes  (full - 2006)  
http://care.diabetesjournals.org/content/29/12/2749.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=2000&resourcetype=HWCIT

A new strategy to block tumor growth by inhibiting endocannabinoid inactivation.  (full – 2006)  
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Involvement of the Cannabinoid CB2 Receptor and Its Endogenous Ligand 2-Arachidonoylglycerol in Oxazolone-Induced Contact Dermatitis in Mice  (full – 2006)  
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Methods evaluating cannabinoid and endocannabinoid effects on gastrointestinal functions.  (abst – 2006)  

Human adipose tissue binds and metabolizes the endocannabinoids anandamide and 2-arachidonoylglycerol.  (abst – 2006)  

Monoacylglycerol lipase inhibition by organophosphorus compounds leads to elevation of brain 2-arachidonoylglycerol and the associated hypomotility in mice.  (abst – 2006)  

Biochemistry, pharmacology and physiology of 2-arachidonoylglycerol, an endogenous cannabinoid receptor ligand.  (abst - 2006)  

The endocannabinoid 2-AG protects the blood-brain barrier after closed head injury and inhibits mRNA expression of proinflammatory cytokines.  (abst – 2006)  

The CB1 Cannabinoid Receptor Mediates Excitotoxicity-induced Neural Progenitor Proliferation and Neurogenesis  (full - 2007)  
http://www.jbc.org/content/282/33/23892.full

Endocannabinoids and the haematological system  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190025/?tool=pmcentrez

Increased endocannabinoid levels reduce the development of precancerous lesions in the mouse colon  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2755791/?tool=pmcentrez

Diverse roles of 2-arachidonoylglycerol in invasion of prostate carcinoma cells: Location, hydrolysis and 12-lipoxygenase metabolism  (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2565646/?tool=pubmed

Opposing Actions of Endocannabinoids on Cholangiocarcinoma Growth: RECRUITMENT OF Fas AND Fas LIGAND TO LIPID RAFTS  (full – 2007)  
http://www.jbc.org/content/282/17/13098.full

Pharmacological enhancement of the endocannabinoid system in the nucleus accumbens shell stimulates food intake and increases c-Fos expression in the hypothalamus.  (full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2042935/?tool=pubmed

Cannabinoid-2 receptor mediates protection against hepatic ischemia/reperfusion injury  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228252/?tool=pmcentrez

Endocannabinoids block status epilepticus in cultured hippocampal neurons  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2617750/?tool=pmcentrez
Chronologically overlapping occurrences of nicotine-induced anxiety- and depression-related behavioral symptoms: effects of anxiolytic and cannabinoid drugs  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2075518/?tool=pubmed

2-AG + 2 new players = forecast for therapeutic advances.  
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CB2 receptors in the brain: role in central immune function  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219530/?tool=pmcentrez

Opposing Actions of Endocannabinoids on Cholangiocarcinoma Growth  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4801750/

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Marijuana could prevent Alzheimer's  
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Can the benefits of cannabinoid receptor stimulation on neuroinflammation, neurogenesis and memory during normal aging be useful in AD prevention? (full – 2012)
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Can the benefits of cannabinoid receptor stimulation on neuroinflammation, neurogenesis and memory during normal aging be useful in AD prevention? (full – 2012)
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Marijuana Compound Found Superior To Drugs For Alzheimer's (news – 2012)
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A peptide inhibitor of c-Jun N-terminal kinase protects against both aminoglycoside and acoustic trauma-induced auditory hair cell death and hearing loss. (full – 2003) http://www.jneurosci.org/content/23/24/8596.long
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Intratympanic treatment of acute acoustic trauma with a cell-permeable JNK ligand: a prospective randomized phase I/II study (abst – 2007)  

AM-111 protects against permanent hearing loss from impulse noise trauma. (abst – 2007)  

AM-111 prevents hearing loss from semicircular canal injury in otitis media. (full – 2009)  

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Otoprotective Effect of AM-111 Also Shown In Model of Cochlear Ischemia (news – 2010)  

Protection against ischemic cochlear damage by intratympanic administration of AM-111. (abst – 2011)  

The JNK inhibitor XG-102 protects against TNBS-induced colitis. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3302790/

Analysis: Drugmakers step up search for hearing loss medicines (news – 2012)  

Molecular mechanisms involved in cochlear implantation trauma and the protection of hearing and auditory sensory cells by inhibition of c-Jun-N-terminal kinase signaling. (abst – 2013)  

AM-251 – synthetic, GPR 55 agonist, CB1 antagonist/ inverse agonist

Inhibition of Rat C6 Glioma Cell Proliferation by Endogenous and Synthetic Cannabinoids. Relative Involvement of Cannabinoid and Vanilloid Receptors
Influence of the CB1 receptor antagonist, AM 251, on the regional haemodynamic effects of WIN-55212-2 or HU 210 in conscious rats (full - 2002)
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CB1 cannabinoid receptor antagonism promotes remodeling and cannabinoid treatment prevents endothelial dysfunction and hypotension in rats with myocardial infarction (full - 2003)
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Vasodilator actions of abnormal-cannabidiol in rat isolated small mesenteric artery (full - 2003)
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Cannabinoid CB2 receptor activation reduces mouse myocardial ischemia-reperfusion injury: involvement of cytokine/chemokines and PMN (full - 2003)
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Effects of cannabinoid receptor-2 activation on accelerated gastrointestinal transit in lipopolysaccharide-treated rats (full - 2004)
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Up-Regulation of Cyclooxygenase-2 Expression Is Involved in R(–)-Methanandamide-Induced Apoptotic Death of Human Neuroglioma Cells (full - 2004)
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The cannabinoid 1 receptor antagonist, AM251, prolongs the survival of rats with severe acute pancreatitis. (full - 2005) https://www.jstage.jst.go.jp/article/tjem/207/2/207_2_99/_pdf


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AM 251 produces sustained reductions in food intake and body weight that are resistant to tolerance and conditioned taste aversion (full - 2006)
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The local antinociceptive effects of paracetamol in neuropathic pain are mediated by cannabinoid receptors  (abst – 2007)  http://www.sciencedirect.com/science/article/pii/S00142999907007935

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Acute hypertension reveals depressor and vasodilator effects of cannabinoids in conscious rats  
(full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697765/?tool=pmcentrez

Activating Parabrachial Cannabinoid CB1 Receptors Selectively Stimulates Feeding of Palatable Foods in Rats  
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(abst – 2008)  

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Endocannabinoids in the rat basolateral amygdala enhance memory consolidation and enable glucocorticoid modulation of memory  
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Regulation of the Hypothalamic-Pituitary-Adrenal Axis Circadian Rhythm by Endocannabinoids Is Sexually Diergic (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2964781/?tool=pmcentrez


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The Endocannabinoid System Tonically Regulates Inhibitory Transmission and Depresses the Effect of Ethanol in Central Amygdala (abst - 2010) http://www.nature.com/npp/journal/v35/n9/abs/npp201070a.html


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Cannabinoids prevent the development of behavioral and endocrine alterations in a rat model of intense stress.  
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α-Tocopherol and α-tocopheryl phosphate interact with the cannabinoid system in the rodent hippocampus.  
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Cannabidiol as an anti-arrhythmic, the role of the CB1 receptors.  
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Endocannabinoid CB1 receptors modulate visual output from the thalamus.  
(abst – 2011)  

The effects of cannabinoid drugs on abnormal involuntary movements in dyskinetic and non-dyskinetic 6-hydroxydopamine lesioned rats.  
(abst – 2011)  

Pot and Pumpkin Pie: Endocannabinoid System Enhanced by Vitamin E  
(news – 2011)  

Cannabinoid Receptor Type 1 (CB1) Activation Inhibits Small GTPase RhoA Activity and Regulates Motility of Prostate Carcinoma Cells  
(full – 2012)  
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A Role for the Cannabinoid 1 Receptor in Neuronal Differentiation of Adult Spinal Cord Progenitors in vitro is Revealed through Pharmacological Inhibition and Genetic Deletion. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3265030/?tool=pubmed

The cannabinoid receptor CB1 modulates the signaling properties of the lysophosphatidylinositol receptor GPR55. (full – 2012) http://www.jbc.org/content/early/2012/11/16/jbc.M112.364109.long

Critical role of the endocannabinoid system in mediating rapid glucocorticoid effects on memory for emotionally arousing experiences (link to PDF - 2012) http://www.doaj.org/doaj?func=abstract&id=1152481&q1=cannabinoid&f1=all&b1=and&q2=&f2=all&reNo=3&uiLanguage=en

Bidirectional regulation of endocannabinoid signaling in the amygdala contributes to activation and adaptation of the stress response (link to PDF – 2012) http://www.doaj.org/doaj?func=abstract&id=1152480&q1=cannabinoid&f1=all&b1=and&q2=&f2=all&reNo=4&uiLanguage=en

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The anti-nausea effects of CB(1) agonists are mediated by an action at the visceral insular cortex. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22671779


Effects of gonadal hormones on the peripheral cannabinoid receptor 1 (CB1R) system under a myositis condition in rats. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22940464


Cannabinoid HU210 Protects Isolated Rat Stomach against Impairment Caused by Serum of Rats with Experimental Acute Pancreatitis. (abst - 2012) http://www.ncbi.nlm.nih.gov/pubmed/23285225

Role of endocannabinoids and cannabinoid-1 receptors in cerebrocortical blood flow regulation. (full – 2013) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3537620/
CB1 and CB2 Cannabinoid Receptor Agonists Induce Peripheral Antinociception by Activation of the Endogenous Noradrenergic System.  (abst – 2013)  


**AM-281** - synthetic, CB1 antagonist and inverse agonist


The analgesic activity of paracetamol is prevented by the blockade of cannabinoid CB1 receptors  (abst – 2005)  http://www.sciencedirect.com/science/article/pii/S00142999905013178
Effects of AM281, a cannabinoid antagonist, on circulatory deterioration and cytokine production in an endotoxin shock model: comparison with norepinephrine. (abst – 2006)  

The GPR55 ligand L-alpha-lysophosphatidylinositol promotes RhoA-dependent Ca2+ signaling and NFAT activation. (full – 2009)  
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GPR55 ligands promote receptor coupling to multiple signalling pathways. (full – 2010)  
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Expression of cannabinoid CB1 receptors by vagal afferent neurons: kinetics and role in influencing neurochemical phenotype. (full – 2010)  
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Cannabinoid receptor-dependent and -independent anti-proliferative effects of omega-3 ethanolaemides in androgen receptor-positive and -negative prostate cancer cell lines. (full – 2010)  
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Angiotensin II induces vascular endocannabinoid release, which attenuates its vasoconstrictor effect via CB1 cannabinoid receptors. (full – 2012)  
http://www.jbc.org/content/early/2012/07/11/jbc.M112.346296.full.pdf+html

Early Endogenous Activation of CB1 and CB2 Receptors after Spinal Cord Injury Is a Protective Response Involved in Spontaneous Recovery (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3496738/

The cannabinoid receptor CB1 modulates the signaling properties of the lysophosphatidylinositol receptor GPR55. (full – 2012)  
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Cannabinoids inhibit peptidoglycan-induced phosphorylation of NF-κB and cell growth in U87MG human malignant glioma cells. (abst – 2012)  

Peripheral antinociceptive effect of anandamide and drugs that affect the endocannabinoid system on the formalin test in normal and streptozotocin-diabetic rats. (abst – 2012)  

Cannabinoid Receptors as Therapeutic Targets for Dialysis-Induced Peritoneal Fibrosis. (abst – 2013)  
Anandamide transport is independent of fatty-acid amide hydrolase activity and is blocked by the hydrolysis-resistant inhibitor AM1172. (full – 2004)  
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Enhancing Cannabinoid Neurotransmission Augments the Extinction of Conditioned Fear  (full - 2005)  
http://www.nature.com/npp/journal/v30/n3/full/1300655a.html

Anxiolytic-like properties of the anandamide transport inhibitor AM404.  (full – 2006)  
http://www.nature.com/npp/journal/v31/n12/full/1301061a.html

Δ9-Tetrahydrocannabinol (THC) and AM 404 protect against cerebral ischaemia in gerbils through a mechanism involving cannabinoid and opioid receptors  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189998/?tool=pmcentrez

Pharmacological elevation of anandamide impairs short-term memory by altering the neurophysiology in the hippocampus.  (abst – 2011)  

The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotine-induced dopamine elevations in the nucleus accumbens shell in rats  (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21557729/abstract/The_anandamide_transport_inhibitor_AM404_reduces_the_rewarding_effects_of_nicotine_and_nicotine_induced_dopamine_elevations_in_the_nucleus_accumbens_shell_in_rats

The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotine-induced dopamine elevations in the nucleus accumbens shell in rats.  (abst – 2011)  

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Effects of the anandamide uptake blocker AM404 on food intake depend on feeding status and route of administration.  (abst – 2012)  

Inhibition of fatty acid amide hydrolase by URB597 attenuates the anxiolytic-like effect of acetaminophen in the mouse elevated plus-maze test.  (abst – 2012)  


**AM-630** – synthetic, CB2 antagonist


Antinociceptive effect of cannabinoid agonist WIN 55,212–2 in rats with a spinal cord injury  (full - 2006)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1861843/?tool=pmcentrez

Inhibition of Salivary Secretion by Activation of Cannabinoid Receptors  (full - 2006)  http://ebm.rsmjournals.com/cgi/content/full/231/8/1421?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=880&resourcetype=HWCIT

The local antinociceptive effects of paracetamol in neuropathic pain are mediated by cannabinoid receptors  (abst – 2007)  http://www.sciencedirect.com/science/article/pii/S0014299907007935

Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor  (full - 2008)  http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

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
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Cannabinoid receptor-dependent and -independent anti-proliferative effects of omega-3 ethanolamides in androgen receptor-positive and -negative prostate cancer cell lines. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2930808/?tool=pubmed


The role of central CB2 cannabinoid receptors on food intake in neonatal chicks (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21927979

Effects of a Selective Cannabinoid CB2 Agonist and Antagonist on Intravenous Nicotine Self Administration and Reinstatement of Nicotine Seeking. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266883/?tool=pubmed

Early Endogenous Activation of CB1 and CB2 Receptors after Spinal Cord Injury Is a Protective Response Involved in Spontaneous Recovery (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3496738/

The role of CB2 receptor ligands in human eosinophil function (full – 2012) http://www.biomedcentral.com/content/pdf/2050-6511-13-S1-A13.pdf

Effect of omega-3 polyunsaturated fatty acids on the endocannabinoid system in osteoblast-like cells and muscle (abst – 2012) http://docs.lib.purdue.edu/dissertations/AAI3444794/


The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22998838


AM-678 - see JWH -100

AM-694 – synthetic, CB1 & CB2 agonist


Acute toxicity due to the confirmed consumption of synthetic cannabinoids: clinical and laboratory findings (abst – 2012)

**AM-1172** synthetic, anandamide transport inhibitor

Anandamide transport is independent of fatty-acid amide hydrolase activity and is blocked by the hydrolysis-resistant inhibitor AM1172. (full – 2004)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC423268/

New molecule may be basis for drugs that battle overeating and drug dependency (news – 2004)  

Easing anxiety with anandamide (news – 2004)  

**AM-1241** synthetic, CB2 agonist

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

Inhibition of Inflammatory Hyperalgesia by Activation of Peripheral CB2 Cannabinoid Receptors (full – 2003)  


CB2 cannabinoid receptor activation produces antinociception by stimulating peripheral release of endogenous opioids (full - 2005)  
http://www.pnas.org/content/102/8/3093.full

Cannabinoid CB2 receptor agonist activity in the hindpaw incision model of postoperative pain. (abst - 2005)  
In vitro pharmacological characterization of AM1241: a protean agonist at the cannabinoid CB2 receptor? (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2013801/?tool=pubmed


The CB2 cannabinoid agonist AM-1241 prolongs survival in a transgenic mouse model of amyotrophic lateral sclerosis when initiated at symptom onset (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2819701/?tool=pmcentrez

Peripheral Cannabinoids Attenuate Carcinoma Induced Nociception in Mice (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771220/

Selective Activation of Cannabinoid CB2 Receptors Suppresses Neuropathic Nociception Induced by Treatment with the Chemotherapeutic Agent Paclitaxel in Rats (full - 2008) http://jpet.aspetjournals.org/content/327/2/584.full#content-block


Spinal and peripheral analgesic effects of the CB cannabinoid receptor agonist AM1241 in two models of bone cancer-induced pain. (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931557/?tool=pubmed


Cannabinoids attenuate cancer pain and proliferation in a mouse model. (full - 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3099480/?tool=pubmed


Antinociceptive effects induced through the stimulation of spinal cannabinoid type 2 receptors in chronically inflamed mice (abst - 2011)
Effects of a Selective Cannabinoid CB2 Agonist and Antagonist on Intravenous Nicotine Self Administration and Reinstatement of Nicotine Seeking.  (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266883/?tool=pubmed

Therapeutic modulation of cannabinoid lipid signaling: Metabolic profiling of a novel antinociceptive cannabinoid-2 receptor agonist.  (abst – 2012)

Prevention of Fibrosis Progression in CCl4-Treated Rats: Role of the Hepatic Endocannabinoid and Apelin Systems  (abst – 2012)
http://jpet.aspetjournals.org/content/340/3/629.abstract?sid=ae58f15a-06bb-4a81-b850-61bb89fd59f5


AM-1346 - synthetic, CB1 agonist

Synthetic Cannabinoid May Aid Fertility In Smokers  (news - 2006)
http://www.medicalnewstoday.com/articles/58063.php


Cannabis-based boost for smokers’ suffering sperm  (news - 2006)  (may need registration)

Effects of AM1346, a high-affinity CB1 receptor selective anandamide analog, on open-field behavior in rats.  (abst – 2007)  http://www.ncbi.nlm.nih.gov/pubmed/17912052

Discriminative stimulus functions in rats of AM1346, a high-affinity CB1R selective anandamide analog.  (full – 2008)  http://www.springerlink.com/content/n278340k6q47141k/fulltext.html

Scientist Discovers New Molecule to Treat Chronic Pain  (news - 2008)
**AM-1710** — synthetic, CB2 agonist

Pharmacological characterization of AM1710, a putative cannabinoid CB(2) agonist from the cannabilactone class: Antinociception without central nervous system side-effects. (abst – 2011)
http://www.unboundmedicine.com/medline/ebm(record/21382397/abstract/Pharmacological_characterization_of_AM1710_a_putative_cannabinoid_CB_2_agonist_from_the_cannabilactone_class_Antinociception_without_central_nervous_system_side_effects)

The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy (full – 2012)
http://www.molecularpain.com/content/8/1/71

Intrathecal cannabilactone CB(2)R agonist, AM1710, controls pathological pain and restores basal cytokine levels. (abst – 2012)

**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)

First European case of convulsions related to analytically confirmed use of the synthetic cannabinoid receptor agonist AM-2201. (abst – 2012)

Identification and Structural Elucidation of Four Cannabimimetic Compounds (RCS-4, AM-2201, JWH-203 and JWH-210) in Seized Products. (abst – 2013)

**AM-2233** — synthetic, CB1 agonist
F200A substitution in the third transmembrane helix of human cannabinoid CB1 receptor converts AM2233 from receptor agonist to inverse agonist. (abst – 2006)  


Another nail in coffin of synthetic cannabis  (news – 2011)  

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)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3003779/

Sulfonyl fluoride inhibitors of Fatty Acid amide hydrolase. (abst – 2012)  

Convergent translational evidence of a role for anandamide in amygdala-mediated fear extinction, threat processing and stress-reactivity (abst – 2012)  

Acute reduction of anandamide-hydrolase (FAAH) activity is coupled with a reduction of nociceptive pathways facilitation in medication-overuse headache subjects after withdrawal treatment. (abst – 2012)  

AM-4054 - synthetic, CB1 agonist

Behavioral Profile of the Novel Cannabinoid Agonist AM4054 (thesis - 2006)  
http://digitalcommons.uconn.edu/cgi/viewcontent.cgi?article=1016&context=srhonors_theses&sei-redir=1#search=%22am-4054%20%2Bcannabinoid%22

Effects of a Selective Cannabinoid Agonist and Antagonist on Body Temperature in Rats (abst - 2007)  
http://www.fasebj.org/cgi/content/meeting_abstract/21/5/A409?maxtoshow=&hits=80&RESULTFORMAT=T=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCIT

Diuretic effects of cannabinoids. (abst – 2012)  
**AM-4113** – synthetic, CB1 antagonist

Effects of a Selective Cannabinoid Agonist and Antagonist on Body Temperature in Rats (abst - 2007)  
http://www.fasebj.org/cgi/content/meeting_abstract/21/5/A409?maxtoshow=&hits=80&RESULTFORMATORIGFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=800&resourcetype=HWCIT

The neutral cannabinoid CB₁ receptor antagonist AM4113 regulates body weight through changes in energy intake in the rat. (abst – 2011)  

The CB(1) Receptor-Mediated Endocannabinoid Signaling and NGF: The Novel Targets of Curcumin. (abst – 2012)  

**AM 6545** – synthetic, CB1 antagonist

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

**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)  

**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. (abst – 2012)  
AMOTIVATIONAL SYNDROME

Marihuana Use and Psychosocial Adaptation  (abst - 1974)
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Operant acquisition of marihuana in man.  (abst - 1976)
http://jpet.aspetjournals.org/content/198/1/42.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT


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)
http://www.drugsceience.org/Petition/C3F.html

Rimonabant eliminates responsiveness to workload changes in a time-constrained food-reinforced progressive ratio procedure in rats.  (abst – 2012)

Associations of Alcohol, Nicotine, Cannabis, and Drug Use/Dependence with Educational Attainment: Evidence from Cotwin-Control Analyses.  (abst – 2012)

AMYRINS – phytochemicals that inhibit the breakdown of 2-AG


Activation of cannabinoid receptors by the pentacyclic triterpene α,β-amyrin inhibits inflammatory and neuropathic persistent pain in mice.  (abst – 2011)

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Antihyperglycemic and hypolipidemic effects of α, β-amyrin, a triterpenoid mixture from Protium heptaphyllum in mice (full – 2012) http://www.lipidworld.com/content/11/1/98


**ANANDAMIDE / AEA** – endocannabinoid, CB 1 & 2 agonist

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


Cross-tolerance between delta-9-tetrahydrocannabinol and the cannabimimetic agents CP 55,940, WIN 55,212-2 and anandamide. (full - 1993) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2175863/?tool=pmcentrez&page=1

Anandamide, an endogenous cannabimimetic eicosanoid, binds to the cloned human cannabinoid receptor and stimulates receptor-mediated signal transduction (full - 1993) http://www.pnas.org/content/90/16/7656.full.pdf+html


Enzymatic synthesis of anandamide, an endogenous ligand for the cannabinoid receptor, by brain membranes (full - 1994) http://www.pnas.org/content/91/14/6698.full.pdf+html

Formation and inactivation of endogenous cannabinoid anandamide in central neurons. (letter – 1994) http://www.nature.com/nature/journal/v372/n6507/abs/372686a0.html

Formation and inactivation of endogenous cannabinoid anandamide in central neurons (abst – 1994) http://www.nature.com/nature/journal/v372/n6507/abs/372686a0.html


Anandamide and delta 9-THC dilation of cerebral arterioles is blocked by indomethacin (abst - 1995)


Occurrence and biosynthesis of endogenous cannabinoid precursor, N-arachidonoyl phosphatidylethanolamine, in rat brain. (full – 1997) http://www.jneurosci.org/content/17/4/1226.long


Cannabinoid-Induced Hypotension and Bradycardia in Rats Is Mediated by CB1-Like Cannabinoid Receptors (full - 1997) http://jpet.aspetjournals.org/content/281/3/1030.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT


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&resourcetype=HWCIT

The endogenous cannabinoid anandamide inhibits human breast cancer cell proliferation (full - 1998) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC20983/

Trick or treat from food endocannabinoids? (abst – 1998)  
http://www.nature.com/nature/journal/v396/n6712/full/396636a0.html

Doped skin (news - 1998) (may need registration)  
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Pain modulation by release of the endogenous cannabinoid anandamide (full - 1999)  
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Cannabis: Discrimination of "Internal Bliss"? (abst – 1999)  

Anandamide induces overeating: mediation by central cannabinoid (CB1) receptors (abst – 1999)  
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Brain Releases Marijuana-Like Substance In Response To Pain, Study Finds (news - 1999)  
http://www.sciencedaily.com/releases/1999/10/991013074947.htm

Links found between marijuana and vision (news – 1999)  

UC Irvine Researchers Demonstrate How Marijuana-Like Chemicals Work In The Brain (news - 1999)  
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Why your brain is primed for a high (news - 1999) (may need registration)  
http://www.newscientist.com/article/mg16121792.000-why-your-brain-is-primed-for-a-high.html

Anandamide Induces Apoptosis in Human Cells via Vanilloid Receptors (full - 2000)  
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Suppression of Nerve Growth Factor Trk Receptors and Prolactin Receptors by Endocannabinoids Leads to Inhibition of Human Breast and Prostate Cancer Cell Proliferation (full - 2000)  
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Effects of cannabinoid receptor agonists on neuronally-evoked contractions of urinary bladder tissues isolated from rat, mouse, pig, dog, monkey and human (full - 2000)  
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Cardiovascular effects of endocannabinoids--the plot thickens. (abst - 2000)  

Low dose anandamide affects food intake, cognitive function, neurotransmitter and corticosterone levels in diet-restricted mice. (abst – 2000)  
Endogenous cannabinoids and appetite. (abst – 2000)  

Anandamide and diet: inclusion of dietary arachidonate and docosahexaenoate leads to increased brain levels of the corresponding N-acyl ethanolamines in piglets.  
(full – 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC33480/?tool=pubmed

Cannabinoid CB1-receptor mediated regulation of gastrointestinal motility in mice in a model of intestinal inflammation  
(full - 2001)  
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Endocannabinoids are implicated in the infarct size-reducing effect conferred by heat stress preconditioning in isolated rat hearts  
(full – 2001)  

Inhibition of Rat C6 Glioma Cell Proliferation by Endogenous and Synthetic Cannabinoids. Relative Involvement of Cannabinoid and Vanilloid Receptors  
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Exogenous anandamide protects rat brain against acute neuronal injury in vivo.  
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Anandamide administration into the ventromedial hypothalamus stimulates appetite in rats  
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Palmitoylethanolamide inhibits the expression of fatty acid amide hydrolase and enhances the anti-proliferative effect of anandamide in human breast cancer cells  
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Mechanisms of anandamide-induced vasorelaxation in rat isolated coronary arteries  
(full - 2001)  
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Endogenous cannabinoids mediate hypotension after experimental myocardial infarction  
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Supersensitivity to anandamide and enhanced endogenous cannabinoid signaling in mice lacking fatty acid amide hydrolase  
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Administration of Endocannabinoids Prevents a Referred Hyperalgesia Associated With Inflammation of the Urinary Bladder (full – 2001)  

Leptin-regulated endocannabinoids are involved in maintaining food intake  

The neurobiology and evolution of cannabinoid signalling  (abst – 2001)  
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Endogenous cannabinoid anandamide increases heart resistance to arrhythmogenic effects of epinephrine: role of CB(1) and CB(2) receptors.  

The Central Cannabinoid Receptor Inactivation Suppresses Endocrine Reproductive Functions.  (abst – 2001)  

Quantification of anandamide content in animal cells and tissues: the normalization makes the difference  
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Endocannabinoid Degradation, Endotoxic Shock and Inflammation  
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Sourcing the Code: Searching for the Evolutionary Origins of Cannabinoid Receptors, Vanilloid Receptors, and Anandamide  

Estrogen stimulates arachidonylethanolamide release from human endothelial cells and platelet activation  
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Targeting CB2 cannabinoid receptors as a novel therapy to treat malignant lymphoblastic disease  
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Experimental parkinsonism alters endocannabinoid degradation: implications for striatal glutamatergic transmission.  
(full – 2002)  http://www.jneurosci.org/content/22/16/6900.long
Anandamide uptake by synaptosomes from human, mouse and rat brain: inhibition by glutamine and glutamate  (full – 2002)  http://www.lipidworld.com/content/1/1/1


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Endocannabinoid signalling in the blood of patients with schizophrenia  (full – 2003)  http://www.lipidworld.com/content/2/1/5

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Manipulation of the endocannabinoid system by a general anaesthetic.  (full – 2003)
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Cannabinoids inhibit neurodegeneration in models of multiple sclerosis  (full - 2003)
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A Cyclooxygenase Metabolite of Anandamide Causes Inhibition of Interleukin-2 Secretion in Murine Splenocytes  
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Endocannabinoid activation at hepatic CB1 receptors stimulates fatty acid synthesis and contributes to diet-induced obesity  (full - 2005)  
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BULIMIA


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CANCER – ADRENAL CORTICAL

Medical Marijuana and Cancer, Adrenal Cortical

CANCER – BASAL CELL CARCINOMA - see CANCER – SKIN

CANCER – BLADDER / URETHRAL


CANCER - BONE

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Cannabis compound may stop the spread of breast cancer cells (news - 2007)  

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CANCER - CERVICAL


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CANCER – CHEMOTHERAPY-  see CHEMOTHERAPY

CANCER – CHOLANGIOCARCINOMA

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**CANCER – COLON/COLORECTAL**

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**CANCER - PANCREATIC**

Pancreatitis & Medical Marijuana  (article - undated)  http://onlinepot.org/medical/pancreatitis.htm

Cannabinoids Induce Apoptosis of Pancreatic Tumor Cells via Endoplasmic Reticulum Stress–Related Genes  (full - 2006)  http://cancerres.aacrjournals.org/cgi/content/full/66/13/6748


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**CANCER – PNET / PRIMITIVE NEUROECTODERMAL TUMOR**


**CANCER - PROSTATE**

Suppression of Nerve Growth Factor Trk Receptors and Prolactin Receptors by Endocannabinoids Leads to Inhibition of Human Breast and Prostate Cancer Cell Proliferation  
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2-Arachidonoylglycerol A Novel Inhibitor of Androgen-Independent Prostate Cancer Cell Invasion  
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Cannabinoid Receptor as a Novel Target for the Treatment of Prostate Cancer  
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Cannabinoid Receptor Agonist-induced Apoptosis of Human Prostate Cancer Cells LNCaP Proceeds through Sustained Activation of ERK1/2 Leading to G1 Cell Cycle Arrest  
(full - 2006)  http://www.jbc.org/content/281/51/39480.full

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Chemicals in cannabis found to stop prostate cancer  (news - 2009)  

Active cannabis chemicals halt prostate cancer cell growth  (news - 2009)  

Cannabis may apparently stop prostate cancer growth  (news - 2009)  

Medical Marijuana and Cancer, Prostate  (news – 2009)  
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**CANCER - RHABDOMYOSARCOMA**

Cannabinoid receptor 1 is a potential drug target for treatment of translocation-positive rhabdomyosarcoma  (full - 2009)  [http://mct.aacrjournals.org/content/8/7/1838.full](http://mct.aacrjournals.org/content/8/7/1838.full)

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The antiemetic activity of tetrahydrocannabinol versus metoclopramide and thiethylperazine in patients undergoing cancer chemotherapy. (abst - 1980)

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Cannabinoids for Cancer Treatment: Progress and Promise  
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Therapeutic utility of palmitoylethanolamide in the treatment of neuropathic pain associated with various pathological conditions: a case series  (full – 2012)
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CANNABINOID RECEPTOR SYSTEM  - see ENDOCANNABINOID SYSTEM, CBRs

CANNABINOR  - synthetic, CB2 agonist


CANNADOR - a phytocannabinoid extract in pill form

A multicenter dose-escalation study of the analgesic and adverse effects of an oral cannabis extract (Cannador) for postoperative pain management. (full - 2006) http://journals.lww.com/anesthesiology/Fulltext/2006/05000/A_Multicenter_Dose_escalation_Study_of_th e.21.aspx

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**CB – 65** synthetic, CB 2 agonist

The role of central CB2 cannabinoid receptors on food intake in neonatal chicks  
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Anti-Cancer Effects In Human Liver Cancer Cells Produced By Cannabis Agonists  
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Marijuana component may ease pain from chemotherapy drugs  

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Cannabinoid Receptor Ligands (full - undated)
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The Type 2 Cannabinoid Receptor Regulates Bone Mass and Ovariectomy-Induced Bone Loss by Affecting Osteoblast Differentiation and Bone Formation  (abst – 2011)  http://www.unboundmedicine.com/medline/ebm/record/21447627/abstract/The_Type_2_Cannabinoid_Receptor_Regulates_Bone_Mass_and_Ovariectomy_Induced_Bone_Loss_by_Affecting_Osteoblast_Differentiation_and_Bone_Formation_


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Cloning and pharmacological characterization of the dog cannabinoid CB2 receptor  
(abst – 2011)  

Brain cannabinoid CB2 receptors modulate cocaine's actions in mice  
(abst – 2011)  
http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.2874.html

G-protein coupled receptors regulating cough.  
(abst – 2011)  

Cannabinoids and bone: endocannabinoids modulate human osteoclast function in vitro  
(abst – 2011)  

Atheroprotection via cannabinoid receptor-2 is mediated by circulating and vascular cells in vivo.  
(abst – 2011)  

Design and evaluation of a novel fluorescent CB2 ligand as probe for receptor visualization in immune cells.  
(abst – 2011)  

Deletion of CB2 cannabinoid receptor induces schizophrenia-related behaviors in mice.  
(abst – 2011)  

Endocannabinoid system and psychiatry: in search of a neurobiological basis for detrimental and potential therapeutic effects.  
(abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/22007164/abstract/Endocannabinoid_system_and_psychiatry_in_search_of_a_neurobiological_basis_for_detrimental_and_potential_therapeutic_effects

Regulation of hematopoietic stem cell trafficking and mobilization by the endocannabinoid system.  
(abst – 2011)  

Cannabinoid receptor 2 and its agonists mediate hematopoiesis and hematopoietic stem and progenitor cell mobilization.  
(abst – 2011)  

Antinociceptive effects induced through the stimulation of spinal cannabinoid type 2 receptors in chronically inflamed mice  
(abst - 2011)  
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Spinal cannabinoid CB2 receptors as a target for neuropathic pain: an investigation using chronic constriction injury.  
(abst – 2011)  

Sex Differences in Cannabinoid 1 vs. Cannabinoid 2 Receptor-Selective Antagonism of Antinociception Produced by ∆9-Tetrahydrocannabinol and CP55,940 in the Rat  
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http://www.jimmunol.org/content/187/11/5720.abstract?sid=590f7819-f39b-4214-abca-07231b51da55

Cannabinoid-2 Receptor Activation Protects against Infarct and Ischemia/Reperfusion Heart Injury.  (abst – 2011)  

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Cannabinoid receptor-2 (CB2) agonist ameliorates colitis in IL-10(-/-) mice by attenuating the activation of T cells and promoting their apoptosis.  (abst – 2011)  

The endocannabinoid system in the cancer therapy: an overview.  (abst – 2011)  

CB2 Cannabinoid Receptors Promote Neural Progenitor Cell Proliferation via mTORC1 Signaling  (abst – 2011)  
http://www.jbc.org/content/287/2/1198.abstract?sid=2c3b88ec-b6e6-4245-a171-2e24e17b5e8b

Activation of Cannabinoid Type 2 Receptors Inhibits HIV-1 Envelope Glycoprotein gp120-Induced Synapse Loss  (abst – 2011)  
http://molpharm.aspetjournals.org/content/80/3/357.abstract?sid=5a0b0e4e-1879-438e-a131-8829cc6f9bcb

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The role of central CB2 cannabinoid receptors on food intake in neonatal chicks  (abst – 2011)  

Severity of acute cystitis may be cut with cannabinoid agonist  (news – 2011)  

Effects of a Selective Cannabinoid CB2 Agonist and Antagonist on Intravenous Nicotine Self Administration and Reinstatement of Nicotine Seeking.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3266883/?tool=pubmed

Methylhonokiol attenuates neuroinflammation: a role for cannabinoid receptors?  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3419612/

Endocannabinoids Stimulate Human Melanogenesis via Type-1 Cannabinoid Receptor  (full – 2012)  
http://www.jbc.org/content/early/2012/03/19/jbc.M111.314880.full.pdf+html
The role of CB2 receptor ligands in human eosinophil function  (full – 2012)  

Cannabinoid Receptor 2-Mediated Attenuation of CXCR4-Tropic HIV Infection in Primary CD4+ T Cells  (full – 2012)  
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Cannabinoids and atherosclerotic coronary heart disease.  (full – 2012)  

Cannabinoid receptor 2 activation reduces intestinal leukocyte recruitment and systemic inflammatory mediator release in acute experimental sepsis  (full – 2012)  
http://ccforum.com/content/16/2/R47

Disease modification of breast cancer-induced bone remodeling by cannabinoid 2 receptor agonists.  (full – 2012)  

The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation (full – 2012)  
http://www.jneuroinflammation.com/content/9/1/79

Cannabinoid modulation of neuroinflammatory disorders.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3386505/

Functional Metabolomics Reveals Novel Active Products in the DHA Metabolome.  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3342038/?tool=pubmed

Therapeutic Potentials and uses of Cannabinoid Agonists in Health and Disease Conditions  (full – 2012)  
http://maxwellscl.com/print/bjpt/v3-76-88.pdf

Role of cannabinoids in the regulation of bone remodeling  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3499879/

Early Endogenous Activation of CB1 and CB2 Receptors after Spinal Cord Injury Is a Protective Response Involved in Spontaneous Recovery  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3496738/

The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy  (full – 2012)  
http://www.molecularpain.com/content/8/1/71

Small-animal PET imaging of the type 1 and type 2 cannabinoid receptors in a photothrombotic stroke model  (full – 2012)  


Cannabinoids Facilitate the Swallowing Reflex Elicited by the Superior Laryngeal Nerve Stimulation in Rats (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3507745/


Endocannabinoids in stressed humans (link to PDF – 2012) http://www.doaj.org/doaj?func=abstract&id=1152482&q1=cannabinoid&f1=all&b1=and&q2=&f2=all&recNo=2&uiLanguage=en


Effect of omega-3 polyunsaturated fatty acids on the endocannabinoid system in osteoblast-like cells and muscle (abst – 2012) http://docs.lib.purdue.edu/dissertations/AAI3444794/


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Cannabinoid type 2 receptor activation downregulates stroke-induced classic and alternative brain macrophage/microglial activation concomitant to neuroprotection. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22020035


Localization of mGluR5, GABA(B), GABA(A), and cannabinoid receptors on the vagovagal reflex pathway responsible for transient lower esophageal sphincter relaxation in humans: an immunohistochemical study. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22256945


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Prevention of Paclitaxel-Induced Neuropathy Through Activation of the Central Cannabinoid Type 2 Receptor System (abst – 2012) http://www.anesthesia-analgesia.org/content/114/5/1104.abstract?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCI


Cannabinoid receptor-2-selective agonists improve recovery in experimental autoimmune encephalomyelitis (abst – 2012) http://www.jimmunol.org/cgi/content/meeting_abstract/188/1_MeetingAbstracts/116.7?maxtoshow=&hits =25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCIT

Cannabinoid receptor 2 agonists inhibit migration of activated dendritic cells via modulation of MMP-9  (abst – 2012)  
http://www.jimmunol.org/cgi/content/meeting_abstract/188/1_MeetingAbstracts/173.23?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCT

Cannabinoid receptors in submandibular acinar cells: Functional coupling between saliva fluid and electrolytes secretion and Ca2+ signalling  (abst – 2012)  
http://jcs.biologists.org/content/125/8/1884.abstract?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=180&sortspec=date&resourcetype=HWCT

Discovery and optimization of novel purines as potent and selective CB2 agonists.  (abst – 2012)  

Therapeutic modulation of cannabinoid lipid signaling: Metabolic profiling of a novel antinociceptive cannabinoid-2 receptor agonist.  (abst – 2012)  

Sex Differences in Cannabinoid 1 vs. Cannabinoid 2 Receptor-Selective Antagonism of Antinociception Produced by Δ9-Tetrahydrocannabinol and CP55,940 in the Rat  (abst – 2012)  
http://jpet.aspetjournals.org/content/340/3/787.abstract?sid=ae58f15a-06bb-4a81-b850-61bb89fd59f5

The Expression and Significance of Cannabinoid Receptor 2 in Non-infectious Granuloma and Malignant Melanoma  (abst – 2012)  

Activation of cannabinoid receptor 2 attenuates leukocyte-endothelial cell interactions and blood-brain barrier dysfunction under inflammatory conditions.  (abst – 2012)  

Spinal Cord Fatty Acid Amide Hydrolase (FAAH) in Normal Micturition Control and Bladder Overactivity in Awake Rats.  (abst – 2012)  

Excitability of prefrontal cortical pyramidal neurons is modulated by activation of intracellular type-2 cannabinoid receptors.  (abst – 2012)  

Sativex-like Combination of Phytocannabinoids is Neuroprotective in Malonate-Lesioned Rats, an Inflammatory Model of Huntington's Disease: Role of CB(1) and CB(2) Receptors.  (abst – 2012)  

A cannabinoid type 2 receptor agonist attenuates blood-brain barrier damage and neurodegeneration in a murine model of traumatic brain injury.  (abst – 2012)  

Cannabinoid receptor type 2 functional variant influences liver damage in children with non-alcoholic fatty liver disease. (abst – 2012) [link](http://www.ncbi.nlm.nih.gov/pubmed/22927922)

Genetic variability in the endocannabinoid system and 12-week clinical response to citalopram treatment: the role of the CNR1, CNR2 and FAAH genes (abst – 2012) [link](http://jop.sagepub.com/content/early/2012/07/22/026988112454229.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT)

Signaling through cannabinoid receptor 2 suppresses murine dendritic cell migration by inhibiting matrix metalloproteinase 9 expression. (abst – 2012) [link](http://www.ncbi.nlm.nih.gov/pubmed/22972984)

The maintenance of cisplatin- and paclitaxel-induced mechanical and cold allodynia is suppressed by cannabinoid CB2 receptor activation and independent of CXCR4 signaling in models of chemotherapy-induced peripheral neuropathy. (abst – 2012) [link](http://www.ncbi.nlm.nih.gov/pubmed/22998838)

The therapeutic potential of cannabis and cannabinoids. (abst – 2012) [link](http://www.ncbi.nlm.nih.gov/pubmed/23008748)


Cannabinoid Receptor Subtypes 1 and 2 Mediate Long-Lasting Neuroprotection and Improve Motor Behaviour Deficits After Transient Focal Cerebral Ischemia. (abst – 2012) [link](http://www.ncbi.nlm.nih.gov/pubmed/23069763)

4-Oxo-1,4-dihydropyridines as Selective CB2 Cannabinoid Receptor Ligands Part 2: Discovery of New Agonists Endowed with Protective Effect Against Experimental Colitis. (abst – 2012) [link](http://www.ncbi.nlm.nih.gov/pubmed/23017078)

Differences in the endocannabinoid system of sperm from fertile and infertile men. (abst – 2012) [link](http://www.ncbi.nlm.nih.gov/pubmed/23082196)

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


Cannabinoid drugs can directly inhibit HIV in late-stage AIDS (news – 2012)
Cannabinoid 2 receptors regulate impulsive behavior (news – 2012)  

Involvement of peripheral cannabinoid and opioid receptors in β-caryophyllene-induced antinociception.  (abst – 2012)  

Activation of Cannabinoid Receptor 2 reduces inflammation in acute experimental pancreatitis via intra-acinar activation of p38 and MK2-dependent mechanisms.  (abst – 2012)  

Δ9-Tetrahydrocannabinol Impairs the Inflammatory Response to Influenza Infection: Role of Antigen Presenting Cells and the Cannabinoid Receptors 1 and 2.  (abst – 2012)  


Ectopic pregnancy is associated with high anandamide levels and aberrant expression of FAAH and CB1 in fallopian tubes.  (abst – 2012)  

Anandamide Induces Matrix Metalloproteinase-2 Production through Cannabinoid-1 Receptor and Transient Receptor Potential Vanilloid-1 in Human Dental Pulp Cells in Culture  (abst – 2012)  

Inhibiting fatty acid amide hydrolase normalizes endotoxin-induced enhanced gastrointestinal motility in mice.  (abst – 2012)  

Endocannabinoid system and mood disorders: Priming a target for new therapies.  (abst – 2012)  

Cannabinoid receptors: nomenclature and pharmacological principles.  (abst – 2012)  

CD200-CD200R1 interaction contributes to neuroprotective effects of anandamide on experimentally induced inflammation  (abst – 2012)  

Role of CB1 and CB2 cannabinoid receptors in the development of joint pain induced by monosodium iodoacetate.  (abst – 2012)  

Cannabinoid Receptor 2 Signaling in Peripheral Immune Cells Modulates Disease Onset and Severity in Mouse Models of Huntington's Disease.  (abst – 2012)  


CBR–GPR-18 - activated by Abnormal CBD, N-arachidonoylglycine, O-1602, THC, Anandamide

N-arachidonoyl glycine, an abundant endogenous lipid, potently drives directed cellular migration through GPR18, the putative abnormal cannabidiol receptor (full – 2010) http://www.biomedcentral.com/1471-2202/11/44

N-arachidonoyl glycine, an abundant endogenous lipid, potently drives directed cellular migration through GPR18, the putative abnormal cannabidiol receptor (abst – 2010) http://chemport.cas.org/cgi-bin/sdcgi?APP=ftslink&action=relink&origin=wiley&version=1.0&coi=1%3ACAS%3A528%3ADC%2Bc3eXktl2qtbk%3D&md5=f25fa26135f988915febdcc7cae390cf


siRNA knockdown of GPR18 receptors in BV-2 microglia attenuates N-arachidonoyl glycine-induced cell migration (full – 2012) http://www.jmolecularsignaling.com/content/7/1/10


CBR – GPR-40 CANNABINOID RECEPTOR - activated by GW1100, TAK-875

The Ffa Receptor Gpr40 Links Hyperinsulinemia, Hepatic Steatosis, and Impaired Glucose Homeostasis in Mouse. (abst – 2005)

Gpr40 Gene Expression in Human Pancreas and Insulinoma. (abst – 2005)

Pharmacological regulation of insulin secretion in MIN6 cells through the fatty acid receptor GPR40: identification of agonist and antagonist small molecules. (full - 2006)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1751878/?tool=pubmed

Expression of the Gene for a Membrane-bound Fatty Acid Receptor in the Pancreas and Islet Cell Tumours in Humans: Evidence for Gpr40 Expression in Pancreatic Beta Cells and Implications for Insulin Secretion. (abst – 2006)

Selective small-molecule agonists of G protein-coupled receptor 40 promote glucose-dependent insulin secretion and reduce blood glucose in mice. (full – 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2494688/?tool=pubmed

Overexpression of GPR40 in pancreatic beta-cells augments glucose-stimulated insulin secretion and improves glucose tolerance in normal and diabetic mice. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2671040/?tool=pubmed


International Union of Basic and Clinical Pharmacology. LXXIX. Cannabinoid Receptors and Their Ligands: Beyond CB1 and CB2 (full – 2010)
http://pharmrev.aspetjournals.org/content/62/4/588.full.pdf+html

TAK-875, an orally available G protein-coupled receptor 40/free fatty acid receptor 1 agonist, enhances glucose-dependent insulin secretion and improves both postprandial and fasting hyperglycemia in type 2 diabetic rats. (abst – 2011)


Optimization of (2,3-dihydro-1-benzofuran-3-yl)acetic acids: discovery of a non-free fatty acid-like, highly bioavailable G protein-coupled receptor 40/free fatty acid receptor 1 agonist as a glucose-dependent insulinotropic agent. (abst – 2012)
TAK-875 versus placebo or glimepiride in type 2 diabetes mellitus: a phase 2, randomised, double-blind, placebo-controlled trial. (abst – 2012)

**CBR - GPR55/ CB3 CANNABINOID RECEPTOR**
Activated by l-α-lysophosphatidylinositol (LPI), and to a lesser extent possibly by THC, CBD, O-1602, PEA, 2-AG, Anandamide, Virodhamine

Cannabinoid Receptor Ligands  (full - undated)
http://www.tocris.com/pdfs/cannabinoid_receptor_review/page_001.html


GPR55: a new member of the cannabinoid receptor clan?  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2095104/?tool=pubmed

The orphan receptor GPR55 is a novel cannabinoid receptor.  (full – 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2095107/?tool=pubmed

GPR55 and the vascular receptors for cannabinoids.  (full – 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190021/?tool=pubmed

The novel endocannabinoid receptor GPR55 is activated by atypical cannabinoids but does not mediate their vasodilator effects.  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190033/?tool=pubmed

GPR55 and the vascular receptors for cannabinoids.  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190021/?tool=pubmed

GPR55 is a novel cannabinoid receptor  (full - 2007)
http://www.biomedcentral.com/1471-2210/7/S2/A3

Novel cannabinoid receptors  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190013/?tool=pmcentrez

GPR55: signaling pathways and functions  (abst - 2007)
http://www.biomedcentral.com/1471-2210/9/S2/A3

GPR55 is a cannabinoid receptor that increases intracellular calcium and inhibits M current  (full - 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2268199/?tool=pubmed
Interactions of the G protein-coupled receptor-associated sorting proteins (GASP) 1 and 2 with the novel cannabinoid receptor GPR55 (abst – 2008)
http://www.biomedcentral.com/1471-2210/8/S1/A16

The putative cannabinoid receptor GPR55 affects osteoclast function in vitro and bone mass in vivo (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2737440/?tool=pubmed

Receptors for acylethanolamides-GPR55 and GPR119. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751869/?tool=pubmed

Endocannabinoid-mediated control of synaptic transmission. (full – 2009)
http://physrev.physiology.org/content/89/1/309.long

The GPR55 ligand L-alpha-lysophosphatidylinositol promotes RhoA-dependent Ca2+ signaling and NFAT activation. (full – 2009)
http://www.fasebj.org/content/23/1/183.long

Atypical responsiveness of the orphan receptor GPR55 to cannabinoid ligands. (full - 2009)
http://www.jbc.org/content/284/43/29817.full?sid=ec54c280-2526-4d1b-ab9f-73a1ca683a5e

Is GPR55 an anandamide receptor? (abst - 2009)

Receptors for acylethanolamides-GPR55 and GPR119. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751869/?tool=pubmed

The enigmatic pharmacology of GPR55. (abst - 2009)

International Union of Basic and Clinical Pharmacology. LXXIX. Cannabinoid Receptors and Their Ligands: Beyond CB1 and CB2 (full – 2010)
http://pharmrev.aspetjournals.org/content/62/4/588.full.pdf+html

GPR55 ligands promote receptor coupling to multiple signalling pathways. (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931561/?tool=pubmed

Pharmacological characterization of GPR55, a putative cannabinoid receptor. (abst – 2010)
http://www.unboundmedicine.com/medline/ebm/record/20298715/abstract/Pharmacological_characterization_of_GPR55_a_putative_cannabinoid_receptor


Cannabinoids and the gut: new developments and emerging concepts (abst - 2010)
A role for L-alpha-lysophosphatidylinositol and GPR55 in the modulation of migration, orientation and polarization of human breast cancer cells. (abst - 2010)  

Cannabinoids and Bone: Friend or Foe? (abst - 2010)  

Endocannabinoid-like N-arachidonoyl serine is a novel pro-angiogenic mediator. (abst – 2010)  

Pharmacology of GPR55 in yeast and identification of GSK494581A as a mixed-activity glycine transporter subtype 1 inhibitor and GPR55 agonist. (full – 2011)  
http://jpet.aspetjournals.org/content/337/1/236.long

Lipid bilayer molecular dynamics study of lipid-derived agonists of the putative cannabinoid receptor, GPR55. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3086297/?tool=pubmed

Screening for Selective Ligands for GPR55. (full – 2011)  
http://www.ncbi.nlm.nih.gov/books/NBK66153/

New blood brothers: the GPR55 and CB2 partnership (full – 2011)  
http://www.nature.com/cr/journal/vaop/ncurrent/full/cr201177a.html

A role for the putative cannabinoid receptor GPR55 in the islets of Langerhans. (full – 2011)  
http://joe.endocrinology-journals.org/content/211/2/177.long

Pharmacology of GPR55 in Yeast and Identification of GSK494581A as a Mixed-Activity Glycine Transporter Subtype 1 Inhibitor and GPR55 Agonist (full – 201)  
http://jpet.aspetjournals.org/content/337/1/236.full?sid=97274573-5add-46c8-9e15-6b3fe448e8c4

A role for L-alpha-lysophosphatidylinositol and GPR55 in the modulation of migration, orientation and polarization of human breast cancer cells. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931574/?tool=pubmed


What is the natural ligand of GPR55? (abst – 2011)  
http://jb.oxfordjournals.org/content/149/5/495.short?rss=1

Pharmacology, Signaling and Physiological Relevance of the G Protein-coupled Receptor 55. (abst – 2011)  

GPR55 regulates cannabinoid 2 receptor-mediated responses in human neutrophils. (abst – 2011)


The novel cannabinoid receptor GPR55, inhibits cholangiocarcinoma growth (abst – 2011) http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/1117.3?maxtoshow=&hits=80 &RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCT


Role of cannabinoids in the regulation of bone remodeling (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3499879/

The L-α-lysophosphatidylinositol/GPR55 system and its potential role in human obesity. (full – 2012) http://diabetes.diabetesjournals.org/content/61/2/281.long

The cannabinoid receptor CB1 modulates the signaling properties of the lysophosphatidylinositol receptor GPR55. (full – 2012)
The atypical cannabinoid O-1602 increases hind paw sensitisation in the chronic constriction injury model of neuropathic pain. (abst – 2012)  

The Endocannabinoids Anandamide and Virodhamine Modulate the Activity of the Candidate Cannabinoid Receptor GPR55. (abst – 2012)  

Effects of Palmitoylethanolamide on Aqueous Humor Outflow. (abst – 2012)  

The interaction between intrathecal administration of low doses of palmitoylethanolamide and AM251 in formalin-induced pain related behavior and spinal cord IL1-β expression in rats. (abst – 2012)  

Evidence for the Putative Cannabinoid Receptor (GPR55)-Mediated Inhibitory Effects on Intestinal Contractility in Mice. (abst – 2012)  

GPR55 and GPR35 and their relationship to cannabinoid and lysophospholipid receptors. (abst – 2012)  

A potential role for GPR55 in gastrointestinal functions. (abst – 2012)  

The Endocannabinoids Anandamide and Virodhamine Modulate the Activity of the Candidate Cannabinoid Receptor GPR55 (abst – 2012)  
http://link.springer.com/article/10.1007%2Fs11481-012-9351-6#page-1

A homology modeling study toward the understanding of three-dimensional structure and putative pharmacological profile of the G-protein coupled receptor GPR55. (abst – 2012)  

**CBR - GPR109 CANNABINOID RECEPTOR**

Nicotinic acid inhibits progression of atherosclerosis in mice through its receptor GPR109A expressed by immune cells (full – 2011)  

International Union of Basic and Clinical Pharmacology. LXXIX. Cannabinoid Receptors and Their Ligands: Beyond CB1 and CB2 (full – 2010)  
http://pharmrev.aspetjournals.org/content/62/4/588.full.pdf+html
CBR - GPR119 CANNABINOID RECEPTOR - activated by PEA, OEA


Endogenous and synthetic agonists of GPR119 differ in signalling pathways and their effects on insulin secretion in MIN6c4 insulinoma cells. (full – 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2528830/?tool=pubmed


GPR119 is essential for oleoylethanolamide-induced glucagon-like peptide-1 secretion from the intestinal enteroendocrine L-cell. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2671052/?tool=pubmed


N-oleoyldopamine enhances glucose homeostasis through the activation of GPR119. (full – 2010) http://mend.endojournals.org/content/24/1/161.long


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**DRUG TESTING – BREATHE TEST**

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Testing human hair for cannabis (abst - 1995)  

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Comparison of meconium and neonatal hair analysis for detection of gestational exposure to drugs of abuse (full - 2003)  
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**EDEMA**

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**ETS-2101-** see HU-211

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**FEVER/ TEMPERATURE CONTROL**

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**HEARING** - also see TINNITUS, AM-111


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HEMOPHILIA

HEMORRHAGIC SHOCK


HEPATITIS

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Gender-dependent increases with healthy aging of the human cerebral cannabinoid-type 1 receptor binding using [(18)F]MK-9470 PET. (abst – 2011)

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HU-210-  synthetic, CB 1 & CB 2 agonist


Suppression of Nerve Growth Factor Trk Receptors and Prolactin Receptors by Endocannabinoids Leads to Inhibition of Human Breast and Prostate Cancer Cell Proliferation  (full - 2000)  http://endo.endojournals.org/cgi/content/full/141/1/118

Effects of cannabinoid receptor agonists on neuronally-evoked contractions of urinary bladder tissues isolated from rat, mouse, pig, dog, monkey and human  (full - 2000)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1571997/?tool=pmcentrez


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Influence of the CB1 receptor antagonist, AM 251, on the regional haemodynamic effects of WIN-55212-2 or HU 210 in conscious rats  (full - 2002)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1573379/?tool=pmcentrez


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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

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HU-308 - synthetic, CB2 agonist

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**HU-239** - see Ajulemic Acid

**HU-331** - synthetic

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HU-331, a novel cannabinoid-based anticancer topoisomerase II inhibitor (full - 2007) http://mct.aacrjournals.org/content/6/1/173.long


Antitumorigenic Effects of Cannabinoids beyond Apoptosis (full - 2010) http://jpet.aspetjournals.org/content/332/2/336.full?sid=af53ea87-ab4b-426e-9c7e-8f750e9c4a17

**HU-910** – synthetic, CB2 agonist

**HUMAN ENDOCANNABINOID SYSTEM GENETICS**


Reduced endocannabinoid immune modulation by a common cannabinoid 2 (CB2) receptor gene polymorphism: possible risk for autoimmune disorders. (full – 2005) http://www.jleukbio.org/content/78/1/231.long

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http://www.xagena.it/news/medicinenews_net_news/8f1bac3967e0ff70ebe09d8ca5e08633.html

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Association of CNR1 and FAAH endocannabinoid gene polymorphisms with anorexia nervosa and bulimia nervosa: evidence for synergistic effects. (abst – 2009)

The use and misuse of alcohol and marijuana can be traced to a common set of genes
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The Cannabinoid 1 Receptor (CNR1) 1359 G/A Polymorphism Modulates Susceptibility to Ulcerative Colitis and the Phenotype in Crohn's Disease

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Endocannabinoids and Schizophrenia

http://www.mdpi.com/1424-8247/3/10/3101

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Mutations in ABHD12 cause the neurodegenerative disease PHARC: An inborn error of endocannabinoid metabolism.

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**HUNTINGTON'S DISEASE**


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Loss of cannabinoid receptors in the substantia nigra in Huntington's disease.
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The endocannabinoid system and Huntington's disease. (abst – 2003) 

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Cannabinoid control of motor function at the basal ganglia. (abst – 2005) 

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Microglial CB2 cannabinoid receptors are neuroprotective in Huntington’s disease excitotoxicity  (full - 2009)  
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Cannabinoid CB2 receptor agonists protect the striatum against malonate toxicity: relevance for Huntington's disease.  (abst - 2009)  

Medical Marijuana and Huntington's Disease  (news – 2009)  
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Widespread Decrease of Type 1 Cannabinoid Receptor Availability in Huntington Disease In Vivo (full – 2010)  http://jnm.snmjournals.org/cgi/content/full/51/9/1413


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Synthetic Cannabinoid and Cathinone Use Among US Soldiers. (abst – 2012)


Synthetic marijuana was created strictly for research at Clemson  (news – 2012)  http://www.timesnews.net/article/9042095/synthetic-marijuana-was-created-strictly-for-research-at-clemson


**JWH-073** - synthetic, CB1 & CB2 agonist

Spice drugs: cannabinoids as a new designer drugs.  (abst - 2009)  http://www.unboundmedicine.com/medline/ebm/record/19718488/abstract/%5BSpice_drugs:_cannabinoids_as_a_new_designer_drugs_%5D


Now, There's a Test for That -- Norchem's "Fake Marijuana" Test Reveals Significantly Increased Abuse of Spice/K2  (news - 2010)

College students and use of K2: an emerging drug of abuse in young persons  (full – 2011)  http://www.substanceabusepolicy.com/content/6/1/16


Marijuana-based Drugs: Innovative Therapeutics or Designer Drugs of Abuse?  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3139381/?tool=pubmed


CP47,497-C8 and JWH073, commonly found in 'Spice' herbal blends, are potent and efficacious CB(1) cannabinoid receptor agonists.  (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/21333643


Latest blood test detects 12 popular synthetic cannabinoids in "fake pot".  (news – 2011)  http://www.thefreelibrary.com/Latest+blood+test+detects+12+popular+synthetic+cannabinoids+in+%22fake-pot%22+-a0261876557


Monohydroxylated metabolites of the K2 synthetic cannabinoid JWH-073 retain intermediate to high cannabinoid 1 receptor (CB1R) affinity and exhibit neutral antagonist to partial agonist activity.  (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22266354


Synthetic marijuana was created strictly for research at Clemson  (news – 2012)  http://www.timesnews.net/article/9042095/synthetic-marijuana-was-created-strictly-for-research-at-clemson


**JWH-100 / AM -678** - synthetic, CB1 agonist

College students and use of K2: an emerging drug of abuse in young persons

**JWH-122** – synthetic, CB1 agonist


**JWH-133/ 3-(1 1-dimethylbutyl)- 1-deoxy- 8-THC** - synthetic, CB2 agonist

Inhibition of tumor angiogenesis by cannabinoids  (full - 2003)  http://www.fasebj.org/cgi/reprint/02-0795fjev1?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT

Inhibition of guinea-pig and human sensory nerve activity and the cough reflex in guinea-pigs by cannabinoid (CB2) receptor activation.  (full - 2003)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1574031/?tool=pubmed

Effects of cannabinoid receptor-2 activation on accelerated gastrointestinal transit in lipopolysaccharide-treated rats  (full - 2004)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1575196/?tool=pmcentrez

Non-psychoactive CB2 cannabinoid agonists stimulate neural progenitor proliferation  (full - 2006)  http://www.fasebj.org/cgi/content/full/20/13/2405?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabis&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT

Agonists of cannabinoid receptor 1 and 2 inhibit experimental colitis induced by oil of mustard and by dextran sulfate sodium.  (full – 2006)  http://ajpgi.physiology.org/content/291/2/G364.long

Cannabinoid-2 receptor mediates protection against hepatic ischemia/reperfusion injury (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228252/?tool=pmcentrez

Cannabinoids Induce Glioma Stem-like Cell Differentiation and Inhibit Gliomagenesis  
(full - 2007)  
http://www.jbc.org/content/282/9/6854.long

Anti-inflammatory property of the cannabinoid receptor-2-selective agonist JWH-133 in a rodent model of autoimmune uveoretinitis  
(full - 2007)  

In vivo effects of CB2 receptor-selective cannabinoids on the vasculature of normal and arthritic rat knee joints  
(full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219539/?tool=pmcentrez

Influence of nicotinic receptor modulators on CB2 cannabinoid receptor agonist (JWH133)-induced antinociception in mice.  
(abst – 2007)  

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

Regression of Fibrosis after Chronic Stimulation of Cannabinoid CB2 Receptor in Cirrhotic Rats  
(full - 2008)  
http://jpet.aspetjournals.org/content/324/2/475.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

Additive Interaction of the Cannabinoid Receptor I Agonist Arachidonyl-2-chloroethylamide with Etomidate in a Sedation Model in Mice  
(full – 2008)  

Cannabinoid 2 receptor induction by IL-12 and its potential as a therapeutic target for the treatment of anaplastic thyroid carcinoma.  
(full - 2008)  
http://www.nature.com/cgt/journal/v15/n2/full/7701101a.html

Cannabinoid receptor agonists inhibit growth and metastasis of breast cancer  
(abst - 2008)  
http://www.aacrmeetingabstracts.org/cgi/content/meeting_abstract/2008/1_Annual_Meeting/4081?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=480&resourcetype=HWCIT

Involvement of central cannabinoid CB2 receptor in reducing mechanical allodynia in a mouse model of neuropathic pain  
(abst – 2008)  

Activation of the cannabinoid 2 receptor (CB2) protects against experimental colitis.
Cannabinoid CB2 Receptor Potentiates Obesity-Associated Inflammation, Insulin Resistance and Hepatic Steatosis (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2688760/?tool=pubmed

Cannabinoids as novel anti-inflammatory drugs. (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828614/?tool=pubmed

Synthetic cannabinoid receptor agonists inhibit tumor growth and metastasis of breast cancer (full - 2009)
http://mct.aacrjournals.org/content/8/11/3117.full

CB2 cannabinoid receptor activation is cardioprotective in a mouse model of ischemia/reperfusion (abst - 2009)

Cannabinoids reduce ErbB2-driven breast cancer progression through Akt inhibition (full - 2010)

Activation of cannabinoid 2 receptors protects against cerebral ischemia by inhibiting neutrophil recruitment. (full – 2010)
http://www.fasebj.org/content/24/3/788.long

Antitumorigenic Effects of Cannabinoids beyond Apoptosis (full - 2010)
http://ipet.aspetjournals.org/content/332/2/336.full?sid=af53ea87-ab4b-426e-9c7e-8f750e9c4a17

Cannabinoid (JWH-133) therapy could be effective for treatment of corneal neovascularization (link to PDF – 2010)
http://www.doaj.org/doaj?func=abstract&id=844832&q1=cannabinoid&f1=all&b1=or&q2=cannabis&f2=all&recNo=68&uiLanguage=en

Cannabinoid (JWH-133) therapy could be effective for treatment of corneal neovascularization (abst – 2010)
http://www.doaj.org/doaj?func=abstract&id=844832&q1=Cannabinoid%20%28JWH-133%20%20therapy%20%20could%20be%20effective%20for%20treatment%20of%20corneal%20neovascularization%20%20f1=all%20b1=and%20q2=&f2=all&recNo=1&uiLanguage=en

Cannabidiol and other cannabinoids reduce microglial activation in vitro and in vivo: relevance to Alzheimer's disease (full – 2011)
http://molpharm.aspetjournals.org/content/early/2011/02/24/mol.111.071290.long

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

The activation of the cannabinoid receptor type 2 reduces neutrophilic protease-mediated vulnerability in atherosclerotic plaques (full – 2011)
http://eurheartj.oxfordjournals.org/content/33/7/846.full

Brain cannabinoid CB2 receptors modulate cocaine's actions in mice (abst – 2011)
http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.2874.html

Antinociceptive effects induced through the stimulation of spinal cannabinoid type 2 receptors in chronically inflamed mice (abst - 2011) http://www.unboundmedicine.com/medline/ebm/record/21771590/abstract/Antinociceptive_effects_induced_through_the_stimulation_of_spinal_cannabinoid_type_2_receptors_in_chronically_inflamed_mice


The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation (full – 2012) http://www.jneuroinflammation.com/content/9/1/79


Cannabinoid type 2 receptor activation downregulates stroke-induced classic and alternative brain macrophage/microglial activation concomitant to neuroprotection. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22020035


**JWH – 150** – synthetic, CB2 agonist


**JWH-210** – synthetic, CB1 agonist


**JZL-184** – blocks breakdown of 2-AG

Selective blockade of 2-arachidonoylglycerol hydrolysis produces cannabinoid behavioral effects  (full – 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2605181/


Monoacylglycerol lipase is a new therapeutic target for Alzheimer’s disease  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3513645/

**KIDNEYS**


Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor (full - 2008)  [http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT](http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT)


The GPR55 ligand L-alpha-lysophosphatidylinositol promotes RhoA-dependent Ca2+ signaling and NFAT activation. (full – 2009)  [http://www.fasebj.org/content/23/1/183.long](http://www.fasebj.org/content/23/1/183.long)

Cannabinoid Receptor 1 Blockade Ameliorates Albuminuria in Experimental Diabetic Nephropathy (full – 2010)  [http://diabetes.diabetesjournals.org/content/59/4/1046.full?sid=0bc8e3fa-5275-4b19-8acc-4aec5dfac384](http://diabetes.diabetesjournals.org/content/59/4/1046.full?sid=0bc8e3fa-5275-4b19-8acc-4aec5dfac384)

Cannabinoid-2 receptor limits inflammation, oxidative/nitrosative stress, and cell death in nephropathy. (full – 2010)  [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2869084/?tool=pubmed](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2869084/?tool=pubmed)


Cannabidiol Attenuates Cisplatin-Induced Nephrotoxicity by Decreasing Oxidative/Nitrosative Stress, Inflammation, and Cell Death (full – 2011)  [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2682269/)
Pharmacology of GPR55 in yeast and identification of GSK494581A as a mixed-activity glycine transporter subtype 1 inhibitor and GPR55 agonist. (full – 2011) http://jpet.aspetjournals.org/content/337/1/236.long

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Protective Role of Cannabinoid Receptor Type 2 in a Mouse Model of Diabetic Nephropathy. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3161308/


Acute Kidney Injury Associated with Synthetic Cannabinoid Use — Multiple States, 2012 (report – 2013) http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6206a1.htm

Synthetic Marijuana Dangerous for Kidneys  (news – 2013)  
http://www.sciencedaily.com/releases/2013/02/130208124553.htm

Synthetic Marijuana Harms Kidneys of 16 Users, CDC Reports  (news - 2013)  

**KM-233** – synthetic, CB2 agonist

Safety and efficacy of a novel cannabinoid chemotherapeutic, KM-233, for the treatment of high-grade glioma.  (abst – 2006)  

Preclinical studies of KM-233, a safe and effective classical cannabinoid chemotherapeutic for the treatment of high-grade glioma  (news – 2006)  
http://www.aans.org/Media/Article.aspx?ArticleId=36969

Synthesis of Novel Cannabinoid Ligands and Their Use as Anti-Glioma and Anti-Inflammatory Agents  (full – 2010)  

Mechanism of anti-glioma activity and in vivo efficacy of the cannabinoid ligand KM-233  (full – 2012)  

**KN38-7271/ BAY38-7271** – synthetic, CB1 & CB2 agonist

Characterization of the diarylether sulfonylester (-)-(R)-3-(2-hydroxymethylindanyl-4-oxy)phenyl-4,4,4-trifluoro-1-sulfonate (BAY 38-7271) as a potent cannabinoid receptor agonist with neuroprotective properties.  (full – 2002)  
http://jpet.aspetjournals.org/content/302/1/359.long


Breakthrough in treatment of Traumatic Brain Injury: KeyNeurotek’s clinical study reaches primary endpoint and shows significant increase in survival  (news - 2009)


**KNOCK-OUT MICE** – examples of severely defective endocannabinoid systems.

Increased Mortality, Hypoactivity, and Hypoalgesia in Cannabinoid Cb1 Receptor Knockout Mice. (full – 1999) http://www.pnas.org/content/96/10/5780.long


Increased Severity of Stroke in CB1 Cannabinoid Receptor Knock-Out Mice (full - 2002) http://www.jneurosci.org/cgi/content/full/22/22/9771?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&resourcetype=HWCIT#Top


Defective adult neurogenesis in CB1 cannabinoid receptor knockout mice. (full - 2004) http://molpharm.aspetjournals.org/content/66/2/204.long
CB1 cannabinoid receptor knockout in mice leads to leanness, resistance to diet-induced obesity and enhanced leptin sensitivity (full - 2004)  
http://www.nature.com/ijo/journal/v28/n4/full/0802583a.html

Context-dependent effects of CB1 cannabinoid gene disruption on anxiety-like and social behaviour in mice (abst – 2004)  

Overeating, Alcohol and Sucrose Consumption Decrease in Cb1 Receptor Deleted Mice. (abst – 2004)  

Ethanol Induces Higher Bec in Cb1 Cannabinoid Receptor Knockout Mice While Decreasing Ethanol Preference. (full – 2005)  
http://alcalc.oxfordjournals.org/content/40/1/54.long

Early age-related cognitive impairment in mice lacking cannabinoid CB1 receptors. (full – 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1266095/?tool=pubmed

Cannabinoid-receptor 1 null mice are susceptible to neurofilament damage and caspase 3 activation. (abst – 2005)  

Involvement of Neuronal Cannabinoid Receptor CB1 in Regulation of Bone Mass and Bone Remodeling (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2238031/?tool=pmcentrez

Loss of Cannabinoid Receptor CB1 Induces Preterm Birth (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553193/?tool=pmcentrez

The peripheral cannabinoid receptor knockout mice: an update. (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219525/?tool=pubmed

Involvement of central cannabinoid CB2 receptor in reducing mechanical allodynia in a mouse model of neuropathic pain (abst – 2008)  

Turned-Off Cannabinoid Receptor Turns On Colorectal Tumor Growth (news - 2008)  
http://www.sciencedaily.com/releases/2008/08/080801074056.htm

Altered CB1 receptor and endocannabinoid levels precede motor symptom onset in a transgenic mouse model of Huntington's disease. (abst – 2009)  

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

CB2 receptor activation attenuates microcirculatory dysfunction during cerebral ischemic/reperfusion injury. (abst - 2009)  


Role of CB1 cannabinoid receptors on GABAergic neurons in brain aging  (full– 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131310/?tool=pubmed

Resistance to diet-induced adiposity in cannabinoid receptor-1 deficient mice is not due to impaired adipocyte function  (full – 2011)  http://www.nutritionandmetabolism.com/content/8/1/93

Early onset of aging-like changes is restricted to cognitive abilities and skin structure in Cnr1(−/−) mice. (abst – 2011)  http://www.ncbi.nlm.nih.gov/pubmed/20724033


The role of cannabinoid receptors in bone remodeling in a CB1/2 double knockout mouse (abst – 2011)  http://www.fasebj.org/cgi/content/meeting_abstract/25/1_MeetingAbstracts/492.5?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=160&sortspec=date&resourcetype=HWCIT


Role of CB1 cannabinoid receptors on GABAergic neurons in brain aging  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3131310/?tool=pubmed

Loss of CB1 receptors leads to differential age-related changes in reward-driven learning and memory.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3514639/

Upregulation of cannabinoid type 1 receptors in dopamine D2 receptor knockout mice is reversed by chronic forced ethanol consumption.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3004984/?tool=pubmed
Resistance to diet-induced adiposity in cannabinoid receptor-1 deficient mice is not due to impaired adipocyte function. (full – 2012)  
http://www.nutritionandmetabolism.com/content/pdf/1743-7075-8-93.pdf

Angiotensin II induces vascular endocannabinoid release, which attenuates its vasoconstrictor effect via CB1 cannabinoid receptors. (full – 2012) 
http://www.jbc.org/content/early/2012/07/11/jbc.M112.346296.full.pdf+html


Cannabinoid CB1 receptor deficiency increases contextual fear memory under highly aversive conditions and long-term potentiation in vivo. (abst – 2012)  http://www.ncbi.nlm.nih.gov/pubmed/22579951


Role of CB1 and CB2 cannabinoid receptors in the development of joint pain induced by monosodium iodoacetate. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/23199705

How Weed Can Protect Us From Cancer and Alzheimer’s (book excerpt – 2012) http://www.alternet.org/story/156269/how_weed_can_protect_us_from_cancer_and_alzheimer%27s

Why resolutions about taking up physical activity are hard to keep. (news – 2013) http://www.thefreelibrary.com/Why+resolutions+about+taking+up+physical+activity+are+hard+to+keep-a0313904638

**L-α-LYSOPHOSPHATIDYLINOSITOL** – GPR-55 agonist

The GPR55 ligand L-alpha-lysophosphatidylinositol promotes RhoA-dependent Ca2+ signaling and NFAT activation. (full – 2009) http://www.fasebj.org/content/23/1/183.long

GPR55 ligands promote receptor coupling to multiple signalling pathways. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931561/?tool=pubmed

Pharmacology of GPR55 in yeast and identification of GSK494581A as a mixed-activity glycine transporter subtype 1 inhibitor and GPR55 agonist. (full – 2011) http://jpet.aspetjournals.org/content/337/1/236.long

Lipid bilayer molecular dynamics study of lipid-derived agonists of the putative cannabinoid receptor, GPR55. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3086297/?tool=pubmed


The L-α-lysophosphatidylinositol/GPR55 system and its potential role in human obesity. (full – 2012) http://diabetes.diabetesjournals.org/content/61/2/281.long


**LBP-1** - synthetic, CB1 agonist

LEGIONAIRES DISEASE

CB(1) and CB(2) cannabinoid receptors mediate different aspects of delta-9-tetrahydrocannabinol (THC)-induced T helper cell shift following immune activation by Legionella pneumophila infection. (abst – 2009) 

Legionnaires disease in cannabis smokers. (abst – 2011) 
http://www.unboundmedicine.com/medline/ebm/record/20923802/abstract/Legionnaires_disease_in_cannabis_smokers

LEISHMANIASIS

Biologically Active Cannabinoids from High-Potency Cannabis sativa. (abst - 2009) 
http://www.unboundmedicine.com/medline/ebm/record/19344127/abstract/Biologically_Active_Cannabinoids_from_High_Potency_Cannabis_sativa

LIVER DISEASE - NON HEPATITIS - also see HEPATITIS

HEMP AS A MEDICAMENT : Importance of hemp seeds in the tuberculosis therapy (Forum thread- full- 1955) (EDEZYME. recipe) 
http://www.bushka.cz/KabelikEN/hempseed.html


A Novel Synthetic Cannabinoid Derivative Inhibits Inflammatory Liver Damage via Negative Cytokine Regulation (full - 2003) 
http://molpharm.aspetjournals.org/content/64/6/1334.full


Treatment of the Pruritus of Cholestasis. (abst – 2004) 


Endocannabinoid activation at hepatic CB1 receptors stimulates fatty acid synthesis and contributes to diet-induced obesity (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1087161/?tool=pmcentrez

Roles of anandamide in the hepatic microcirculation in cirrhotic rats (full – 2005) http://ajpgi.physiology.org/content/290/2/G328.full?sid=c16d770d-cd17-48c9-bbde-26f38f5eeb67


CB2 receptors as new therapeutic targets for liver diseases (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219531/?tool=pmcentrez

Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis (full - 2007) http://www.jleukbio.org/cgi/content/full/82/6/1382

Cannabinoids ameliorate cerebral dysfunction following liver failure via AMP-activated protein kinase (full - 2007) http://hmg.oxfordjournals.org/cgi/content/full/14/22/3389

Endocannabinoids acting at CB1 receptors mediate the cardiac contractile dysfunction in vivo in cirrhotic rats (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225474/?tool=pmcentrez

Pivotal Advance: Cannabinoid-2 receptor agonist HU-308 protects against hepatic ischemia/reperfusion injury by attenuating oxidative stress, inflammatory response, and apoptosis (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2225476/?tool=pmcentrez

Anandamide inhibits cholangiocyte hyperplastic proliferation via activation of thioredoxin 1/redox factor 1 and AP-1 activation (full – 2007) http://ajpgi.physiology.org/content/294/2/G506.full

Cannabinoid-2 receptor mediates protection against hepatic ischemia/reperfusion injury (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2228252/?tool=pmcentrez

Cannabinoid receptors as novel therapeutic targets for the management of non-alcoholic steatohepatitis (full - 2008) http://www.em-consulte.com/article/200095

CB2 receptors as new therapeutic targets for liver diseases. (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219531/?tool=pubmed


Endocannabinoids and Liver Disease. I. Endocannabinoids and their receptors in the liver (full – 2008) http://ajpgi.physiology.org/content/294/1/G9.full?sid=872637e5-97b2-4103-aaf0-b3e8f6f0eb64

Endocannabinoids and Liver Disease. II. Endocannabinoids in the pathogenesis and treatment of liver fibrosis (full – 2008) http://ajpgi.physiology.org/content/294/2/G357.full?sid=872637e5-97b2-4103-aaf0-b3e8f6f0eb64

Endocannabinoids and Liver Disease. III. Endocannabinoid effects on immune cells: implications for inflammatory liver diseases (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2376822/?tool=pmcentrez

Endocannabinoids and Liver Disease. IV. Endocannabinoid involvement in obesity and hepatic steatosis (full - 2008) http://ajpgi.physiology.org/cgi/content/full/294/5/G1101


Regression of Fibrosis after Chronic Stimulation of Cannabinoid CB2 Receptor in Cirrhotic Rats (full - 2008) http://jpet.aspetjournals.org/content/324/2/475.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=320&resourcetype=HWCIT#content-block

Endocannabinoids and the Control of Energy Homeostasis (full – 2008) http://www.ibc.org/content/283/48/33021.full?sid=931583b1-e797-43e0-8296-7fd75bb49403

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects (abst – 2008) http://gut.bmj.com/content/57/8/1140.abstract

Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning (full - 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez


Endocannabinoids in liver disease and hepatic encephalopathy. (abst – 2008)
The endocannabinoid system as a novel target for the treatment of liver fibrosis (abst - 2008)  

Emerging role of cannabinoids in gastrointestinal and liver diseases: basic and clinical aspects  (abst - 2008)  
http://gut.bmj.com/content/57/8/1140.abstract

Cannabinoid CB2 Receptor Potentiates Obesity-Associated Inflammation, Insulin Resistance and Hepatic Steatosis  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2688760/?tool=pubmed

Systematic review and meta-analysis on the adverse events of rimonabant treatment: Considerations for its potential use in hepatology  (full - 2009)  
http://www.biomedcentral.com/1471-230X/9/75

Cannabinoids as novel anti-inflammatory drugs.  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828614/?tool=pubmed

Beneficial effects of a Cannabis sativa extract treatment on diabetes-induced neuropathy and oxidative stress.  (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19441010/abstract/

Science: Oral intake of a cannabinoid together with a meal improved bioavailability by avoiding first-pass metabolism  (abst - 2009)  

The role of CB2 cannabinoid receptor and Leptin in hepatic fibrosis via lymphocyte alterations and HSC phagocytosis  (abst – 2009)  
http://www.docstoc.com/docs/76792678/The-role-of-CB2-cannabinoid-receptor-and-Leptin-in-hepatic-

Cannabidiol ameliorates cognitive and motor impairments in mice with bile duct ligation.  (abst - 2009)  

Effect of (-)-Delta(9)-tetrahydrocannabinoid on the hepatic redox state of mice.  (full – 2010)  

Cannabidiol ameliorates cognitive and motor impairments in bile-duct ligated mice via 5-HT1A receptor activation.  (full – 2010)  
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How to Make Hemp Milk  (article – undated)
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Herbal Intoxication: Psychoactive Effects From Herbal Cigarettes, Tea, and Capsules

Concentration of Marijuana Metabolites in the Urine After Ingestion of Hemp Seed Tea.

Cuppa Gives A Better 'ooh'  (news - 2006)

Cannabis tea revisited: A systematic evaluation  (abst - 2007)

Hemp Seeds, One of the Ways to Rebalance and Detox Your Body  (news – 2008)
http://www.thefreelibrary.com/Hemp+Seeds%2c+One+of+the+Ways+to+Rebalance+and+Detox+Your+Body-a01073882954

Milking your options-- Rice, hemp, cow, soy, almond or goat milk -- which one is better for you?  (news – 2009)
http://www.mnn.com/health/fitness-well-being/stories/milking-your-options

Unhulled Hemp Seed Uses  (news – 2010)
http://www.livestrong.com/article/212391-unhulled-hemp-seed-uses/

How Is Hemp Seed Milk Made?  (article – 2010)

Form of medical marijuana won't get you high, but it's creating a buzz  (news - 2010)
http://www.washingtonpost.com/wp-dyn/content/article/2010/05/31/AR2010053103231.html

Juiced Marijuana Offered to Medical Users as Alternative to Smoking  (news - 2010)
http://www.drugfree.org/join-together/addiction/juiced-marijuana-offered-to

Canna Milk and more  (forum thread - 2010)
http://www.greenpassion.org/showthread.php?t=18338

A sip replaces a toke with new marijuana soda  (news – 2011)

Forget Four Loko: The rise of marijuana soda  (news – 2011)

Health Benefits of Cannabis Tea  (news – 2011)
METHODS – EDIBLES - FOODS


The Stoner's Cookbook  (undated)              http://www.thestonerscookbook.com/

Recipes from "Onlnepot"  (undated)  http://www.onlinepot.org/recipes.htm

Hemp Seed Recipes      (collection- undated)  http://manitobaharvest.com/recipes.html

How To Make Canna Oil  (news - undated)       http://www.medicalmarijuanami.com/how-to-make-cannaoil.htm

How To Make Cannabutter (news - undated)       http://www.medicalmarijuanami.com/how-to-make-cannabutter.htm


Hemp Seeds, One of the Ways to Rebalance and Detox Your Body   (news – 2008)  http://www.thefreelibrary.com/Hemp+Seeds%2c+One+of+the+Ways+to+Rebalance+and+Detox+Your+Body-a01073882954

The CBC Recipes (forum thread - 2009)
http://www.greenpassion.org/showthread.php?t=17086

The Calories in Hemp Seeds (news – 2010)

Cannabis Cooking Oil (news – 2010)
http://www.thecannabischef.com/content/cannabis-cooking-oil

Recipes that can make some lives easier; Cannabis Barbeque Sauce (news - 2010)

Anchovy red wine vinegarette with or without cannabis oil (news – 2011)

Recreational use and overdose of ingested processed cannabis (Majoon Birjandi) in the eastern Iran. (abst – 2012)

CanChew Cannabinoid Gum Available to Patients Early 2013 (news – 2012)
http://www.medicaljane.com/canchew-cannabinoid-gum/

BadKat's CannaPharm: -Linked- Table of Contents (forum post - 2012)
(recommended by Granny)

METHODS- EDIBLES- RAW UNHEATED CANNABIS

Unheated Cannabis sativa extracts and its major compound THC-acid have potential immuno-modulating properties not mediated by CB1 and CB2 receptor coupled pathways. (abst - 2006)

Form of medical marijuana won't get you high, but it's creating a buzz (news - 2010)
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Cannabis as a Unique Functional Food (full – 2011)
http://www.cannabisinternational.org/info/treatingyourself.pdf

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Marijuana cannabinoids - oral and transdermal methods (news – 2011)
http://www.naturalnews.com/034425_marijuana_cannabinoids_medicine.html

Raw Cannabis Juice and the Link to Clinical Cannabinoid Deficiency (news – 2012)
http://cannabislover.com/2012/03/14/raw-cannabis-juice-and-the-link-to-clinical-cannabinoid/

Juicing medical marijuana the latest trend in amazing cures (news – 2012)
http://www.naturalnews.com/034599_medical_marijuana_juicing_cures.html


METHODS OF USE - INHALERS

Pharmacological evaluation of aerosolized cannabinoids in mice. (abst – 2000)

Physiochemical and pharmacological characterization of a Delta(9)-THC aerosol generated by a metered dose inhaler. (abst – 2002)


METHODS OF USE - INJECTION- DO NOT TRY!

Collapse after intravenous injection of hashish. (full - 1968)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1986226/?tool=pmcentrez&page=1

Effect of Intravenous Injection of Marihuana (abst - 1969)
http://jama.ama-assn.org/cgi/content/abstract/210/4/724?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3840&resourcetype=HWCTT
Intravenous delta9-Tetrahydrocannabinol: Effects of ventilatory control and cardiovascular dynamics.  (link to PDF - 1975)

The toxicity of intravenously used marihuana.  (abst - 1975)


Adverse Effects of Intravenous Cannabis Tea  (full - 1977)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2536936/

Plasma delta-9-tetrahydrocannabinol concentrations and clinical effects after oral and intravenous administration and smoking  (abst - 1980)
http://www.nature.com/clpt/journal/v28/n3/abs/clpt1980181a.html

Intravenous marijuana syndrome.  (full -1986)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1306836/?tool=pmcentrez&page=1


METHODS OF USE - NASAL SPRAYS


**METHODS OF USE - OROMUCOSAL SPRAY**  also see Sativex

Cannabis; Adverse Effects from an Oromucosal Spray.  (full – 2007)

**METHODS OF USE – RSO / RICK SIMPSON’S OIL/ HEMP OIL/ PHOENIX OIL**

“Run From the Cure” Transcript  (forum post - 2009)
https://www.greenpassion.org/index.php?/topic/14222-run-from-the-cure-transcript-of-the-video/page_p_138476_hl_transcript_fromsearch_1#entry138476

The Illegal Herb that Fights Cancer  (news - 2011)
http://www.cannabisculture.com/v2/node/27122

Cannabis Science Provides Physician’s Documentation That Confirms Successful Treatment of Skin Cancer  (news/ info-mercial – 2011)

Tommy Chong Fighting Prostate Cancer With Cannabis Oil  (news – 2012)
http://www.cannabisculture.com/content/2012/06/10/Tommy-Chong-Fighting-Prostate-Cancer-Cannabis-Oil

Cannabis Oil Shrinks “One Of The Worst” Cancers  (news – infomercial – 2012)
(warning : graphic photos)

**METHODS OF USE - SMOKING**  also see- SMOKED CANNABIS AS MEDICINE

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

How to Smoke Cannabis  (news – undated)
http://ukcia.org/culture/smoking.php

Rolling a Joint - Basic joint rolling tips  (article – undated)
http://www.weedfarmer.com/joint_rolling/rolling/rolling.htm

Smoking Cannabis  (news - undated)  http://www.ukcia.org/culture/smoking.php#knife

{delta}9-Transtetrahydrocannabinol and Natural Marihuana  (abst - 1973)
Effects of Marihuana on Man: Committee on Drugs (full - 1975)

Physical assessment of 30 chronic cannabis users and 30 matched controls. (abst – 1976)

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Plasma delta-9-tetrahydrocannabinol concentrations and clinical effects after oral and intravenous administration and smoking (abst - 1980)

Effect of Alcohol and Marihuana on Tobacco Smoking. (abst – 1980)

The seed and the soil: effect of dosage, personality and starting state on the response to delta 9 tetrahydrocannabinol in man. (full – 1981)

The clinical pharmacology and dynamics of marihuana cigarette smoking (abst - 1981)

Comparison of effects of marihuana cigarettes of three different potencies (full - 1982)

Neurological and neuroradiological examination of chronic cannabis smokers. (abst – 1983)

Breathhold duration and response to marijuana smoke. (abst - 1989)

Marijuana Smoking: Factors That Influence the Bioavailability of Tetrahydrocannabinol (full - 1990)

Subjective and Behavioral Effects of Marijuana the Morning After Smoking. (abst - 1990)

Chronic Exposure to Delta 9-tetrahydrocannabinol Fails to Irreversibly Alter Brain Cannabinoid Receptors. (abst - 1991)

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Response to marijuana as a function of potency and breathhold duration (abst - 1991)  


Marijuana smoking: effect of varying delta 9-tetrahydrocannabinol content and number of puffs.  (abst - 1992)  
http://ijet.aspetjournals.org/content/261/1/114.abstract?maxtosearch=&maxtoshow=80&RESULTFORMATE=&fulltext=marijuana&searchid=1&FIRSTINDEX=480&resourcetype=HWCIT

Effects of water filtration on marijuana smoke: a literature review  (full - 1993)  
http://www.ukcia.org/research/EffectsOfWaterFiltrationOnMarijuanaSmoke.php

Effects of delta 9-THC on marijuana smoking, dose choice, and verbal report of drug liking.  (full - 1994)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1334408/?tool=pubmed

Marijuana smoking: effects of varying puff volume and breathhold duration.  
(abst - 1995)  

Effects of Varying Marijuana Potency on Deposition of Tar and Delta 9 -THC in the Lung During Smoking  (full - 1997)  

Marijuana Water Pipe and Vaporizer Study  (news - 2000)  
http://www.maps.org/news-letters/v06n3/06359mj1.html

A primer for patients’ use of medicinal marijuana  (full - 2001)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC8134408/pdf/20010807s00037p329.pdf


Comparison of smoked marijuana and oral Delta(9)-tetrahydrocannabinol in humans.  
(abst – 2002)  

Cannabis Use As Described by People with Multiple Sclerosis.  (full – 2003)  
http://cjns.metapress.com/content/5mw9rpyxvtpirwf1/fulltext.pdf

Marijuana Smoking Doesn't Lead to Higher Death Rate  (news/forum post - 2003)  
Cannabinoids and the immune system. Of men, mice and cells (abst – 2004)  

Bongs and Blunts: Notes from a Suburban Marijuana Subculture. (abst – 2005)  

DISTINGUISHING BLUNTS USE FROM JOINTS USERS: A COMPARISON OF MARIJUANA USE SUBCULTURES (full – 2006)  

“Usual” cannabis abuse producing an unusual incident (abst – 2007)  
(The Valsalva maneuver is performed by attempting to forcibly exhale while keeping the mouth and nose closed. Don’t even think of doing it while smoking!)  

Differential responses to cannabis potency: a typology of users based on self-reported consumption behaviour. (abst – 2007)  

No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says (news - 2007)  
http://www.illinoisnorml.org/content/view/366/27/

Cannabis smoke condensate I: the effect of different preparation methods on tetrahydrocannabinol levels. (abst - 2008)  
http://marijuana.researchtoday.net/archive/5/7/1888.htm

Cannabinoid Receptor 1 Binding Activity and Quantitative Analysis of Cannabis sativa L. Smoke and Vapor (full – 2009)  
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A comparison of drug use and dependence between blunt smokers and other cannabis users (abst - 2009)  
http://www.unboundmedicine.com/medline/ebp/record/19212929/abstract/A_comparison_of_drug_use_and_dependence_between_blunt_smokers_and_other_cannabis_users

Comparison of subjective, pharmacokinetic, and physiological effects of marijuana smoked as joints and blunts. (abst - 2009)  
http://www.unboundmedicine.com/medline/ebp/record/19443132/abstract/

Smoked cannabis for chronic neuropathic pain: a randomized controlled trial (full – 2010)  
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Disposition of smoked cannabis with high Delta(9)-tetrahydrocannabinol content: A kinetic model. (abst – 2010)  
http://www.unboundmedicine.com/medline/ebp/record/20450927/abstract/Disposition_of_smoked_cannabis_with_high_Delta_9_tetrahydrocannabinol_content_A_kinetic_model

Impact of cannabidiol on the acute memory and psychotomimetic effects of smoked cannabis: naturalistic study, (abst - 2010)  

Opioid antagonism enhances marijuana's effects in heavy marijuana smokers.

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Study Claims Cannabis Reduces Chronic Pain  

Cannabuttons and super cannabuttons  
(http://www.greenpassion.org/showthread.php?t=22839)

Effects of smoking cannabis on lung function  
(http://www.expert-reviews.com/doi/full/10.1586/ers.11.40)

Drug-Intake Methods and Social Identity: The Use of Marijuana in Blunts Among Southeast Asian Adolescents and Emerging Adults.  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3193281/?tool=pubmed)

US Patent Application 20110073120 - Smoke and Odor Elimination Filters, Devices and Methods  
(http://www.patentstorm.us/applications/20110073120/fulltext.html)

Quantification and comparison of marijuana smoking practices: blunts, joints, and pipes.  
(http://www.ncbi.nlm.nih.gov/pubmed/20863627)

Characterizing smoking topography of cannabis in heavy users.  
(http://www.ncbi.nlm.nih.gov/pubmed/21922170)

Smoking marijuana not linked to obesity: study  

Why doesn’t marijuana cause cancer?  

Patterns of blunt use among rural young adult african-american men.  
(http://www.ncbi.nlm.nih.gov/pubmed/22176848)

The dose effects of short-term dronabinol (oral THC) maintenance in daily cannabis users.  
(http://www.ncbi.nlm.nih.gov/pubmed/22921474)

Can oral fluid cannabinoid testing monitor medication compliance and/or cannabis smoking during oral THC and oromucosal Sativex administration?  
(http://www.ncbi.nlm.nih.gov/pubmed/23146820)

The changing demographic of blunt smokers across birth cohorts.  
(http://www.ncbi.nlm.nih.gov/pubmed/23201173)

Pot smoking not tied to middle-age mental decline  
(http://www.mnn.com/health/fitness-well-being/stories/pot-smoking-not-tied-to-middle-age-mental-decline)

Legalized Pot: Smoke It or Eat It?  
(http://www.unboundmedicine.com/medline/ebm/record/20490465/abstract/Opioid_antagonism_enhances_marijuana%27s_effects_in_heavy_marijuana_smokers)
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Rectal bioavailability of delta-9-tetrahydrocannabinol from various esters.  (abst – 1991)


Bypassing the first-pass effect for the therapeutic use of cannabinoids.  (abst –1993)


The effect of orally and rectally administered delta-9-tetrahydrocannabinol on spasticity: a pilot study with 2 patients.  (abst - 1996)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=12

Topical and Systemic Cannabidiol Improves Trinitrobenzene Sulfonylic Acid Colitis in Mice.  (full - 2012)

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Tinctures - by Dr. Jay R. Cavanaugh, Ph.D.    (undated)
http://www.letfreedomgrow.com/recipes/tincture.htm


Extractum Cannabis Indicae (U. S. P.)—Extract of Indian Cannabis.    (1898)
http://www.henriettesherbal.com/eclectic/kings/cannabis-indi_extr.html

Tinctura Cannabis Indicae (U. S. P.)—Tincture of Indian Cannabis. (1898)


Cannabis improves night vision: a case study of dark adaptometry and scotopic sensitivity in kif smokers of the Rif mountains of northern Morocco. (abst – 2004)
http://science.iowamedicalmarijuana.org/pdfs/misc/Russo%20et%20al.%20Cannabis%20Night%20Vision%20JEP%202004.pdf

Pharmacokinetics and cannabinoid action using oral cannabis extract (news – 2005)
http://www.medicalnewstoday.com/releases/29638.php

Unheated Cannabis sativa extracts and its major compound THC-acid have potential immuno-modulating properties not mediated by CB1 and CB2 receptor coupled pathways. (abst - 2006) http://www.ncbi.nlm.nih.gov/pubmed/16504929

The Definitive Green Dragon (Revised, Updated, Combined) (forum thread - 2006)

Glycerine-based Tincture (forum thread - 2007)
http://www.greenpassion.org/showthread.php?t=222

Glysabis (forum thread - 2007)


Tincture info from Aussie Ganja Faerie (forum thread - 2009)

Marijuana Tincture (article & video – 2010)
http://patients4medicalmarijuana.wordpress.com/medical-use-of-cannabis-video/marijuana-tincture/

WildWill's Glycerin Tincture HOW-TO (forum thread - 2010)

Extractum Cannabis (news - 2010)

BadKat’s Glycerin Tincture Recipe (forum thread - 2012)

Heat Exposure of Cannabis sativa Extracts Affects the Pharmacokinetic and Metabolic Profile in Healthy Male Subjects. (abst – 2012)
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The Faces Of Medical Marijuana: An Interview With Sarah Lovering  
(news / anecdotal - 2010)  
http://the420times.com/2010/04/the-faces-of-medical-marijuana/

Balm from canna roots  (forum thread - 2010)  
http://www.greenpassion.org/showthread.php?t=20879

US Patent Application 20110052694 - USE OF CANNABIDIOL PRODRUGS IN TOPOICAL AND TRANSDERMAL ADMINISTRATION WITH MICRONEEDLES  
(full – 2011)  
http://www.patentstorm.us/applications/20110052694/fulltext.html

Medical Marijuana Topical Balm Recipe for Eczema, Sore Joints, PMS Cramps  
(recipe – 2011)  

Cannabis Science Provides Physician’s Documentation That Confirms Successful Treatment of Skin Cancer  
(news/ info-merciral – 2011)  

METHODS OF USE - TRANSDERMAL PATCH

US Patent 6132762 - Transcutaneous application of marijuana  
(full - 2000)  
http://www.patentstorm.us/patents/6132762/fulltext.html

US Patent 6113940 - Cannabinoid patch and method for cannabis transdermal delivery  
(full – 2000)  
http://www.patentstorm.us/patents/6113940/fulltext.html

US Patent 6328992 - Cannabinoid patch and method for cannabis transdermal delivery  
(full - 2001)  
http://www.patentstorm.us/patents/6328992/fulltext.html

Cannabidiol-transdermal delivery and anti-inflammatory effect in a murine model.  
(abst - 2003)  

In vitro/in vivo correlation studies for transdermal delta 8-THC development.  
(abst – 2004)  

Human skin permeation of Delta8-tetrahydrocannabinol, cannabidiol and cannabinol.  
(abst - 2004)  

Enhancement of transdermal fentanyl and buprenorphine antinociception by transdermal delta9-tetrahydrocannabinol.  
(abst - 2005)  

Cannabidiol bioavailability after nasal and transdermal application: effect of permeation enhancers.  
(abst - 2010)  
METHODS OF USE - VAPORIZERS

ACCESSING 0.5 to 2.0 GRAMS CBD FRACTIONATING THE PHYTOCANNABINOIDS BY THEIR VAPORIZATION POINTS

How to Smoke Cannabis (news – undated) http://ukcia.org/culture/smoking.php


Vaporizing cannabis is safer than smoking (letter - 2003) http://www.cmaj.ca/content/169/3/222.1/reply#cmaj_el_405?sid=06da3330-be42-4e66-98ac-c8ff0ebbfaf5

Cal NORML/MAPS study shows vaporizer can drastically reduce toxins in marijuana smoke (news - 2003) http://www.canorml.org/healthfacts/vaporizerstudy2.html
Use of vaporizers reduces toxins from cannabis smoke  
(http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=146#2)

Cannabis Vaporizer Combines Efficient Delivery of THC with Effective Suppression of Pyrolytic Compounds  
(http://www.canorml.org/healthfacts/jcantgieringervapor.pdf)

'Smokeless' medicinal pot has its advocates  
(http://www.sfgate.com/cgi-bin/article.cgi?file=/c/a/2005/06/20/MNG9GDBBLK1.DTL)

US Patent 7088914 - Device, method and resistive element for vaporizing a medicament 
(full - 2006)  
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Evaluation of a vaporizing device (Volcano) for the pulmonary administration of tetrahydrocannabinol.  
(abst – 2006)  
(http://www.ncbi.nlm.nih.gov/pubmed/16637053)

Decreased respiratory symptoms in cannabis users who vaporize.  
(full - 2007)  
(http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1853086/?tool=pmcentrez)

Vaporization as a smokeless cannabis delivery system  
(abst - 2007)  
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New Studies Destroy the Last Objection to Medical Marijuana  
(http://www.alternet.org/drugs/51277/)

Vaporizers Could Remove Pitfalls of Smoking Medical Marijuana  
(http://www.drugfree.org/join-together/drugs/vaporizers-could-remove)

Marijuana Vaporizer Provides Same Level Of THC, Fewer Toxins, Study Shows  
(news - 2007)  
(http://www.sciencedaily.com/releases/2007/05/070515151145.htm)

Smokeless Cannabis Delivery Device Efficient And Less Toxic  
(news - 2007)  
(http://www.medicalnewstoday.com/articles/71112.php)

No Decrease in Pulmonary Function Associated with Long-Term Cannabis Smoking, Study Says  
(news - 2007)  
(http://www.illinoisnorml.org/content/view/366/27/)

Vaporized marijuana effect on CF. NOT smoking  
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(http://www.topix.com/forum/health/cystic-fibrosis/TBQ56B1VNGGAODTKA)

Effect of intrapulmonary tetrahydrocannabinol administration in humans.  
(abst - 2008)  
(http://marijuana.researchtoday.net/archive/5/8/1816.htm)

Cannabinoid Receptor 1 Binding Activity and Quantitative Analysis of Cannabis sativa L. Smoke and Vapor  
(full – 2009)  
(https://www.jstage.jst.go.jp/article/cpb/58/2/58_2_201/_pdf)

Cannabis smoke condensate III: The cannabinoid content of vaporised Cannabis sativa  
(abst - 2009)  
(http://informahealthcare.com/doi/abs/10.3109/08958370902748559)
Pulmonary function in cannabis users: Support for a clinical trial of the vaporizer (full - 2010)  

Low-Dose Vaporized Cannabis Significantly Improves Neuropathic Pain. (abst – 2012)  

Capsule Warning: The AVB Experiment That Went Wrong (news – 2012)  
http://beyondchronic.com/2012/08/capsule-warning-avb-experiment-wrong/

California pot research backs therapeutic claims (news – 2012)  
http://www.sacbee.com/2012/07/12/4625608/california-pot-research-backs.html

Simple Method: Isolating & Extracting INDIVIDUAL Cannabinoids... from BadKittySmiles (forum post – 2012)  

Study: Vaporized, Low-Potency Cannabis Mitigates Neuropathic Pain (news – 2013)  
http://blog.norml.org/2013/01/03/study-vaporized-low-potency-cannabis-mitigates-neuropathic-pain/

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

Herbal Intoxication: Psychoactive Effects From Herbal Cigarettes, Tea, and Capsules (abst - 1976)  

Cannabinoids and appetite stimulation. (abst – 1994)  

The Role of Cannabis and Cannabinoids in Pain Management (full – 2002)  
http://www.humanhemphealth.ca/Russo-AAPM_chapter.pdf

Human Cannabinoid Pharmacokinetics (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2689518/?tool=pmcentrez

Information for Health Care Professionals- Marihuana (marijuana, cannabis) dried plant for administration by ingestion or other means (Health Canada) (full – 2010)  

Dosage & Routes of Cannabis and Cannabinoid Administration (forum/post/article - 2010)  
Scientific Opinion on the safety of hemp (Cannabis genus) for use as animal feed (full – 2011) (deceptive title)


Marijuana cannabinoids - oral and transdermal methods (news – 2011)
http://www.naturalnews.com/034425_marijuana_cannabinoids_medicine.html

Medical Marijuana: Clearing Away the Smoke (full – 2012)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3358713/

Cannabinoid derivate-loaded PLGA nanocarriers for oral administration: formulation, characterization, and cytotoxicity studies (abst– 2012)
http://www.dovepress.com/cannabinoid-derivate-loaded-plga-nanocarriers-for-oral-administration--a11595

MIGRAINE/ HEADACHE

CANNABIS AND MARINOL IN THE TREATMENT OF MIGRAINE HEADACHE (abst - undated) http://www.druglibrary.org/schaffer/hemp/migrn2.htm

MIGRAINE ASSOCIATED WITH MENSTRUATION (article - 1942) (on 3rd page)

Cannabinoids block release of serotonin from platelets induced by plasma from migraine patients (full - 1985) http://www.druglibrary.org/schaffer/hemp/medical/cannabin1.htm

Chronic Migraine Headache: five cases successfully treated with Marinol and/or illicit cannabis. (abst- 1991) http://www.druglibrary.org/schaffer/hemp/migrn1.htm

Cannabis for Migraine Treatment: Once and Future Treatment? An historical and scientific review (full - 1998)

Hemp for Headache : An In-Depth Historical and Scientific Review of Cannabis in Migraine Treatment (full - 2001)

Clinical Endocannabinoid Deficiency (full - 2004)
Anandamide Is Able to Inhibit Trigeminal Neurons Using an in Vivo Model of Trigeminovascular-Mediated Nociception (full - 2004) http://jpet.aspetjournals.org/content/309/1/56.full

Cannabinoid (CB1) Receptor Activation Inhibits Trigeminovascular Neurons (full - 2006) http://jpet.aspetjournals.org/content/320/1/64.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=3680&resourcetype=HWCIT


Biochemical Changes in Endocannabinoid System are Expressed in Platelets of Female but not Male Migraineurs (abst - 2006) http://cep.sagepub.com/cgi/content/abstract/26/3/277?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1200&resourcetype=HWCIT


Degradation of endocannabinoids in chronic migraine and medication overuse headache. (full - 2008) http://science.iowamedicalmarijuana.org/pdfs/migraine/Cupini%20et%20al%202008%2018358734.pdf


The Use of Marijuana or Synthetic Cannabinoids for the Treatment of Headache (1st page – 2011)  

Interictal Type 1 Cannabinoid Receptor Binding is Increased in Female Migraine Patients.  (abst – 2011)  

Hallucinogens and cannabinoids for headache.  (abst – 2012)  

Use of cannabis among 139 cluster headache sufferers.  (abst – 2012)  

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**MISCELLANEOUS STUFF**

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Cannabinoids and neuroinflammation  (full - 2004)  

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http://brain.oxfordjournals.org/cgi/content/full/126/10/2191
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC152941/
http://www.cannabis-med.org/studies/ww_en_db_study_show.php
http://news.bbc.co.uk/2/hi/health/3248701.stm
http://www.ukcia.org/research/InitialExperiencesChronicPain.pdf
http://www.bmj.com/cgi/content/full/329/7460/253
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC152941/?tool=pmcentrez
http://www.ukcia.org/research/WholePlantExtractsImproveNeurogenicSymptoms.pdf
Do cannabis-based medicinal extracts have general or specific effects on symptoms in multiple sclerosis? A double-blind, randomized, placebo-controlled study on 160 patients. (full - 2004)  

http://www.ukcia.org/research/EfficacySafetyTolerabilityInMSSpasticityTreatment.pdf

http://www.ukcia.org/research/CBEForMSBladderDysfunction.pdf

Multiple Sclerosis Following Treatment with a Cannabinoid Receptor-1 Antagonist. (abst – 2004)  

Are oral cannabinoids safe and effective in refractory neuropathic pain? (abst - 2004)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=143

Cannabis study encouraging for MS (news - 2004)  
http://news.bbc.co.uk/2/hi/science/nature/3644628.stm

Cannabis Relieves Multiple Sclerosis Pain (news - 2004)  

Cannabis truly helps multiple sclerosis sufferers (news - 2004)  
(may need registration)  

Therapy Insight: Bladder Dysfunction Associated With Multiple Sclerosis (full - 2005)  
http://www.nature.com/nurology/journal/v2/n10/full/ncpuro0323.html

Stimulation of cannabinoid receptor 2 (CB2) suppresses microglial activation (full - 2005)  
http://www.jneuroinflammation.com/content/2/1/29

Cannabinoids in multiple sclerosis (CAMS) study: safety and efficacy data for 12 months follow up (full - 2005)  

Emerging properties of cannabinoid medicines in the management of multiple sclerosis (full - 2005)  
http://www.ukcia.org/research/ManagementOfMultipleSclerosis.pdf

The synthetic cannabinoid R(+)WIN 55,212-2 inhibits the interleukin-1 signaling pathway in human astrocytes in a cannabinoid receptor-independent manner. (full – 2005)  
http://www.jbc.org/content/280/43/35797.long

Sativex: Health Care Professional letter  (letter - 2005)  
http://www.bayer.ca/files/sativex_dhcpl_lapds_091289_e.pdf


Cannabinoid control of motor function at the basal ganglia.  (abst – 2005)  

Decreased endocannabinoid levels in the brain and beneficial effects of agents activating cannabinoid and/or vanilloid receptors in a rat model of multiple sclerosis.  (abst – 2005)  

Cannabis-based medicine in central pain in multiple sclerosis  (abst - 2005)  
http://www.neurology.org/cgi/content/abstract/65/6/812?etoc

Cannabinoids and neuroprotection in CNS inflammatory disease.  (abst - 2005)  

Therapeutic action of cannabinoid on axonal injury induced by peroxynitrite  (abst - 2005)  

Cannabis-based medicinal extract (Sativex) produced significant improvements in a subjective measure of spasticity which were maintained on long-term treatment with no evidence of tolerance.  (abst - 2005)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=170

Randomized, controlled trial of cannabis-based medicine in central pain in multiple sclerosis.  (abst - 2005)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=175

Marijuana derivatives may provide MS treatment  (news - 2005)  
http://www.health.am/ab/more/marijuana_derivatives_may_provide_ms_treatment/

Medicinal marijuana use Experiences of people with multiple sclerosis (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1479734/?tool=pmcentrez

Experimental autoimmune encephalomyelitis disrupts endocannabinoid-mediated neuroprotection  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1458883/?tool=pmcentrez

Role of the Cannabinoid System in Pain Control and Therapeutic Implications for the Management of Acute and Chronic Pain Episodes  (full - 2006)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2430692/?tool=pubmed
Multiple sclerosis may disrupt endocannabinoid brain protection mechanism (full - 2006) [link]

Cannabinoids In Medicine: A Review Of Their Therapeutic Potential (full – 2006) [link]


UCM707, an inhibitor of the anandamide uptake, behaves as a symptom control agent in models of Huntington's disease and multiple sclerosis, but fails to delay/arrest the progression of different motor-related disorders. (abst – 2006) [link]

Sativex in patients with symptoms of spasticity due to multiple sclerosis (abst - 2006) [link]

Randomised controlled study of cannabis-based medicine (Sativex®) in patients suffering from multiple sclerosis associated detrusor overactivity (abst - 2006) [link]


Low dose treatment with the synthetic cannabinoid Nabilone significantly reduces spasticity-related pain: A double-blind placebo-controlled cross-over trial. (abst - 2006) [link]

Cuppa Gives A Better ‘ooh’ (news - 2006) [link]

The endocannabinoid system is dysregulated in multiple sclerosis and in experimental autoimmune encephalomyelitis (full - 2007) [link]

Cannabinoid control of neuroinflammation related to multiple sclerosis (full - 2007) [link]

CB2 cannabinoid receptors as an emerging target for demyelinating diseases: from neuroimmune interactions to cell replacement strategies (full - 2007) [link]
Cannabinoid CB1 and CB2 Receptors and Fatty Acid Amide Hydrolase Are Specific Markers of Plaque Cell Subtypes in Human Multiple Sclerosis  (full - 2007)
http://www.jneurosci.org/cgi/content/full/27/9/2396?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCIT

The endocannabinoid system in targeting inflammatory neurodegenerative diseases  (full - 2007)

Control of Spasticity in a Multiple Sclerosis Model is mediated by CB1, not CB2, Cannabinoid Receptors  (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189718/?tool=pmcentrez

Randomized controlled trial of cannabis-based medicine in spasticity caused by multiple sclerosis  (full - 2007)


Cannabis based treatments for neuropathic and multiple sclerosis-related pain.  (abst - 2007)

Cannabis' Potential Exciting Researchers in Treatment of ALS, Parkinson's Disease (news - 2007)  
http://www.illinoisnorml.org/index2.php?option=com_content&do_pdf=1&id=104

Cannabis could hold the key to ending multiple sclerosis misery (news - 2007)  

Multiple sclerosis, cannabinoids, and cognition. (full - 2008)  
http://neuro.psychiatryonline.org/cgi/content/full/20/1/36

Cannabinoids in the management of difficult to treat pain (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2503660/?tool=pmcentrez

CB2 cannabinoid receptors as an emerging target for demyelinating diseases: from neuroimmune interactions to cell replacement strategies (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219542/

The CB2 Cannabinoid Receptor Controls Myeloid Progenitor Trafficking INVOLVEMENT IN THE PATHOGENESIS OF AN ANIMAL MODEL OF MULTIPLE SCLEROSIS (full - 2008)  
http://www.jbc.org/content/283/19/13320.long

Cannabinoid CB2 receptors in human brain inflammation (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219537/

Cannabinoids in the management of spasticity associated with multiple sclerosis (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2626929/?tool=pmcentrez

Current Status of Cannabis Treatment of Multiple Sclerosis with an Illustrative Case Presentation of a Patient with MS, Complex Vocal Tics, Paroxysmal Dystonia, and Marijuana Dependence Treated with Dronabinol. (full - 2008)  

The CB(2) cannabinoid receptor controls myeloid progenitor trafficking: involvement in the pathogenesis of an animal model of multiple sclerosis. (full - 2008)  
http://www.jbc.org/content/283/19/13320.long

http://www.patentstoirm.us/applications/20080181942/fulltext.html

The endocannabinoid system and multiple sclerosis. (abst - 2008)  
Abnormalities in the cerebrospinal fluid levels of endocannabinoids in multiple sclerosis.  

Cannabinoid-mediated neuroprotection, not immunosuppression, may be more relevant to multiple sclerosis  

Cannabis use in Spanish patients with multiple sclerosis  
(abst - 2008)  

Use Of Non-Psychoactive Cannabinoids In The Treatment Of Neurodegenerative Diseases.  

Cannabis May Halt Progression Of Multiple Sclerosis  

Can Cannabis Compounds Slow The Progression Of Multiple Sclerosis?  

Emerging Role of the CB2 Cannabinoid Receptor in Immune Regulation and Therapeutic Prospects  
(full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2768535/?tool=pmcentrez

Cannabinoids as Therapeutic Agents for Ablating Neuroinflammatory Disease  
(full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2750822/?tool=pmcentrez

(full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2793241/?tool=pubmed

Cannabinoids as novel anti-inflammatory drugs.  
(full - 2009)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2828614/?tool=pubmed

Cannabidiol: a promising drug for neurodegenerative disorders?  

The Endocannabinoid Anandamide: From Immunomodulation to Neuroprotection. Implications for Multiple Sclerosis  

A review of complementary and alternative medicine (CAM) by people with multiple sclerosis.  

Plasma endocannabinoid levels in multiple sclerosis.  
Do cannabinoids reduce multiple sclerosis-related spasticity? (abst - 2009)
http://www.unboundmedicine.com/medline/ebm/record/19901724/full_citation/Do_cannabinoids_reduce_multiple_sclerosis_related_spasticity

Cannabinoids and neurodegenerative diseases. (abst - 2009)

Medical Marijuana and Multiple Sclerosis (MS) (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/80?ailment=multiple-sclerosis-ms

Clinical phase III study with the cannabis extract Cannador successful in multiple sclerosis (news - 2009)

Marijuana Eases Spasticity in MS Patients (news – 2009)

Pot shows promise for reducing multiple sclerosis patients' symptoms (news - 2009)
http://www.scientificamerican.com/blog/post.cfm?id=pot-shows-promise-for-reducing-mult-2009-12-02

Study Confirms That Cannabis Is Beneficial for Multiple Sclerosis (news - 2009)

Marijuana Chemicals Ease MS Symptoms, Review Confirms (news - 2009)
http://www.drugfree.org/uncategorized/marijuana-chemicals-ease-ms

14 of 15 MS patients show clinical improvement with cannabis consumption (news – 2009)

Cannabis can reduce spasticity in MS patients (news - 2009)

Standardized Cannabis in Multiple Sclerosis: A Case Report (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2806860/?tool=pubmed

New approaches in the management of spasticity in multiple sclerosis patients: role of cannabinoids (full - 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2835560/?tool=pmcentrez

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed

Randomized controlled trial of Sativex to treat detrusor overactivity in multiple sclerosis. (abst – 2010) 
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=314

Meta-analysis of the efficacy and safety of Sativex (nabiximols), on spasticity in people with multiple sclerosis (abst - 2010)
The endocannabinoid system in the inflammatory and neurodegenerative processes of multiple sclerosis and of amyotrophic lateral sclerosis. (abst - 2010)  

The Multiplicity of Action of Cannabinoids: Implications for Treating Neurodegeneration. (abst - 2010)  

Julie Falco brings hope to Multiple Sclerosis patients. Cannabinoids manage pain and promote repair! (news - 2010)  

Nature's (Legal) Cannabinoids (news - 2010)  
http://www.mapinc.org/drugnews/v10/n126/a04.html?1194

Marijuana and MS--an unfinished story. (news - 2010)  
http://www.thefreelibrary.com/Marijuana+and+MS--an+unfinished+story.-a0237205183

Weed Control Part 1: MS sufferer finds relief with medical marijuana (anecdotal/news - 2010)  

Anandamide inhibits Theiler's virus induced VCAM-1 in brain endothelial cells and reduces leukocyte transmigration in a model of blood brain barrier by activation of CB1 receptors. (full – 2011)  
http://www.jneuroinflammation.com/content/pdf/1742-2094-8-102.pdf

CANNABIDIOL INHIBITS PATHOGENIC T-CELLS, DECREASES SPINAL MICROGLIAL ACTIVATION AND AMELIORATES MULTIPLE SCLEROSIS-LIKE DISEASE IN C57BL/6 MICE. (full – 2011)  

Gadolinium-HU-308-incorporated micelles. (full – 2011)  

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Emerging treatment options for spasticity in multiple sclerosis; clinical utility of cannabinoids (link to PDF – 2011)  
http://www.doaj.org/doaj?func=abstract&id=842067&q1=cannabinoid&f1=all&b1=or&q2=cannabis&f2=all&recNo=30&uiLanguage=en
Acute and chronic cannabinoid extracts administration affects motor function in a CREAЕ model of multiple sclerosis. (abst – 2011)  

Role of cannabinoids in multiple sclerosis (abst – 2011)  

Inhibitory Effect of Standardized Cannabis sativa Extract and Its Ingredient Cannabidiol on Rat and Human Bladder Contractility. (abst – 2011)  

Identification of the synthetic cannabinoid R(+)WIN55,212-2 as a novel regulator of IFN regulatory factor 3 (IRF3) activation and IFN-β expression: relevance to therapeutic effects in models of multiple sclerosis. (abst – 2011)  

A randomized, double-blind, placebo-controlled, parallel-group, enriched-design study of nabiximols* (Sativex®), as add-on therapy, in subjects with refractory spasticity caused by multiple sclerosis. (abst – 2011)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=322

Treating pain in multiple sclerosis. (abst – 2011)  

THC and CBD oromucosal spray (Sativex®) in the management of spasticity associated with multiple sclerosis. (abst - 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21456949/abstract/THC_and_CBD_oromucosal_spray__Sativex%C2%AE__in_the_management_of_spasticity_associated_with_multiple_sclerosis

New metabolic pathway for controlling brain inflammation (news – 2011)  

The synthetic cannabinoid R(+)WIN55,212-2 augments interferon-β expression via peroxisome proliferator-activated receptor-α (full – 2012)  
http://www.jbc.org/content/early/2012/05/31/jbc.M112.371757.full.pdf+html

Smoked cannabis for spasticity in multiple sclerosis: a randomized, placebo-controlled trial. (full – 2012)  
http://www.cmaj.ca/content/184/10/1143.long

Cannabinoid modulation of neuroinflammatory disorders. (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3386505/

Cannabinoids ameliorate disease progression in a model of multiple sclerosis in mice, acting preferentially through CB(1) receptor-mediated anti-inflammatory effects. (abst - 2012)  

Cannabinoid receptor 2 agonists inhibit migration of activated dendritic cells via modulation of MMP-9 (abst – 2012) http://www.jimmunol.org/cgi/content/meeting_abstract/188/1_MeetingAbstracts/173.23?maxtoshow=&hits =25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCIT


What place for cannabis extract in MS? (abst – 2012) http://dtb.bmj.com/content/50/12/141.abstract


MUSCLES/MUSCLE RELAXANT


Cannabinoid Receptor Antagonist-Induced Striated Muscle Toxicity and Ethylmalonic-Adipic Aciduria in Beagle Dogs (abst – 2012) http://toxsci.oxfordjournals.org/content/129/2/268.short?rss=1
**MUSCULAR DYSTROPHY/ MD**

Muscular dystrophy in mice after chronic subcutaneous treatment with cannabinoids.  
(abst - 1977)  

Medical Marijuana use for Muscular Dystrophy  
(news – 2009)  

Medical Marijuana and Muscular Dystrophy  
(news – 2009)  
[https://www.marijuanadoctors.com/content/ailments/view/114?ailment=muscular-dystrophy](https://www.marijuanadoctors.com/content/ailments/view/114?ailment=muscular-dystrophy)

For some chronically ill patients, pot succeeds where painkillers fail  
(news/ anecdotal - 2009)  

**MYOCLONUS DIAPHRAGMATIC FLUTTER**

Teen says marijuana has been a lifesaver  
(news – 2012)  

**NABILONE / CESAMET**  - a synthetic THC, CB 1 & CB 2 agonist

**GENERIC NAME:** NABILONE - ORAL (NAB-ih-lone)  
**Brand Names:** Cesamet  
(monograph - undated)  

Microbiological transformations of nabilone, a synthetic cannabinoid.  
(full - 1979)  
[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC243333/?tool=pmcentrez&page=1](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC243333/?tool=pmcentrez&page=1)

Superiority of nabilone over prochlorperazine as an antiemetic in patients receiving cancer chemotherapy.  
(abst - 1979)  

Cannabinoids. II. Cardiovascular Effects  
(full - 1980)  
[http://jpet.aspetjournals.org/content/214/1/131.full.pdf+html?ijkey=e751d405c4b7e494c235b602119e4f9b8c62c04d&keytype2=tf_ipsecsha](http://jpet.aspetjournals.org/content/214/1/131.full.pdf+html?ijkey=e751d405c4b7e494c235b602119e4f9b8c62c04d&keytype2=tf_ipsecsha)

Double-blind comparison of the antiemetic effects of nabilone and prochlorperazine on chemotherapy-induced emesis.  
(abst - 1980)  
The efficacy and safety of nabilone (a synthetic cannabinoid) in the treatment of anxiety
(abst - 1981)
http://jcp.sagepub.com/cgi/content/abstract/21/8_suppl/377S?maxtoshow=&hits=80&RESULTFORMAT=
&fulltext=marihuana&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

A double-blind, controlled trial of nabilone vs. prochlorperazine for refractory emesis
induced by cancer chemotherapy. (abst - 1982)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=146

A multi-institutional Phase III study of nabilone vs. placebo in chemotherapy-induced
nausea and vomiting. (abst - 1982)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=156

Anti-emetic efficacy and toxicity of nabilone, a synthetic cannabinoid, in lung cancer
chemotherapy. (full - 1983)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2011510/?tool=pmcentrez&page=1

Comparison of bronchial effects of nabilone and terbutaline in healthy and asthmatic

Respiratory and cardiovascular depressant effects of nabilone, N-methyllevonantradol
and delta 9-tetrahydrocannabinol in anesthetized cats. (abst - 1983)
http://jpet.aspetjournals.org/content/227/2/508.abstract?maxtoshow=&hits=80&RESULTFORMAT=&full
ext=marihuana&searchid=1&FIRSTINDEX=1920&resourcetype=HWCIT

Acute Effects of Natural and Synthetic Cannabis Compounds on Prolactin Levels in

A cross-over comparison of nabilone and prochlorperazine for emesis induced by cancer
chemotherapy. (abst - 1985)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=128

Nabilone and metoclopramide in the treatment of nausea and vomiting due to
cisplatinum: a double blind study. (abst - 1986)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=121

Crossover comparison of the antiemetic efficacy of nabilone and alizapride in patients
with nonseminomatous testicular cancer receiving cisplatin therapy. (abst - 1986)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=127

Prospective randomized double-blind trial of nabilone versus domperidone in the
treatment of cytotoxic-induced emesis. (abst - 1986)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=129

Nabilone: an alternative antiemetic for cancer chemotherapy. (abst - 1986)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=123
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=120

A species comparison of the toxicity of nabilone, a new synthetic cannabinoid. (abst – 1987)  

Species specificity in the metabolism of nabilone. Relationship between toxicity and metabolic routes. (abst - 1987)  

A double-blind randomised cross-over comparison of nabilone and metoclopramide in the control of radiation-induced nausea. (abst - 1987)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=130

A randomized trial of oral nabilone and prochlorperazine compared to intravenous metoclopramide and dexamethasone in the treatment of nausea and vomiting induced by chemotherapy regimens containing cisplatin or cisplatin analogues. (abst – 1988)  

Effect of nabilone on nausea and vomiting after total abdominal hysterectomy (abst - 1994)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=137

Effect of nabilone on nausea and vomiting (letter - 1995)  
http://bja.oxfordjournals.org/cgi/reprint/74/1/111?maxtoshow=&hits=80&RESULTFORMAT=1&andorexacttitle=and&andorexacttitleabs=and&fulltext=cannabinoid&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&sortspec=relevance&resourcetype=HWCT

http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=11

The effects of the cannabinoid receptor agonist nabilone on L-DOPA induced dyskinesia in patients with idiopathic Parkinson's disease (PD). (abst - 1998)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=153

Analgesic effect of the cannabinoid analogue nabilone is not mediated by opioid receptors. (excerpt - 1999)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=203

Cannabis and cannabinoids: pharmacology and rationale for clinical use (abst – 1999)  

Different effects of nabilone and cannabidiol on binocular depth inversion in Man.  
(abst – 2000)  

Delta(9)-tetrahydrocannabinol and synthetic cannabinoids prevent emesis produced by the cannabinoid CB(1) receptor antagonist/inverse agonist SR 141716A. (full – 2001)  
http://www.nature.com/npp/journal/v24/n2/full/1395605a.html


Synthetic cannabinomimetic nabilone on patients with chronic pain  (abst - 2006)  http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=197


Synthetic cannabinomimetic nabilone on patients with chronic pain  (abst - 2006)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=197

A Look At FDA-OK'd 'Marijuana' Drug (news – 2006)
http://www.cbsnews.com/stories/2006/05/18/health/webmd/main1632561.shtml

2nd synthetic marijuana drug OK'd for chemo effects (news – 2006)

Cesamet (nabilone) capsule (info page - 2007)


Synthetic Cannabis for Fibromyalgia Pain? (news - 2007)
http://www.healthcentral.com/chronic-pain/c/5949/16104/fm-pain

Nabilone relieves many advanced Ca symptoms (news - 2007)
http://www.highbeam.com/doc/1G1-178441488.html

Cannabinoids in the management of difficult to treat pain (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2503660/?tool=pmcentrez


Science: Nabilone effective in the treatment of night sweats of four patients with advanced cancer (news – 2008)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=277#1

Marijuana Derivative Called Effective in Fibromyalgia (news - 2008)
http://www.medpagetoday.com/Rheumatology/Fibromyalgia/8377

Marijuana-Based Drug Reduces Fibromyalgia Pain, Study Suggests (news - 2008)
http://www.sciencedaily.com/releases/2008/02/080217214547.htm

Two New Approaches for Fibromyalgia (news – 2008)
Cannabinoids, Endocannabinoids, and Related Analogs in Inflammation  

The Effects of Nabilone on Sleep in Fibromyalgia: Results of a Randomized Controlled Trial. 

Emerging strategies for exploiting cannabinoid receptor agonists as medicines. 

Cannabinoids as pharmacotherapies for neuropathic pain: from the bench to the bedside. 

A pilot study using nabilone for symptomatic treatment in Huntington's disease. 

The use of a synthetic cannabinoid in the management of treatment-resistant nightmares in posttraumatic stress disorder (PTSD). 

CESAMET® CII (nabilone) Capsules For Oral Administration 

A randomized, double-blinded, crossover pilot study assessing the effect of nabilone on spasticity in persons with spinal cord injury. 

An Open-Label Comparison of Nabilone and Gabapentin as Adjuvant Therapy or Monotherapy in the Management of Neuropathic Pain in Patients with Peripheral Neuropathy. 

What Are Prescription Drugs That Are a Substitute for Marijuana?  


Subjective, cognitive and cardiovascular dose-effect profile of nabilone and dronabinol in marijuana smokers. 

Cannabinoids in the treatment of chemotherapy-induced nausea and vomiting.
A Randomized, Double-Blind, Placebo Controlled, Parallel Assignment, Flexible Dose, Efficacy Study of Nabilone as Adjuvant in the Treatment of Diabetic Peripheral Neuropathic Pain Using an Enriched Enrollment Randomized Withdrawal Design (S38.003) (abst – 2012) http://www.neurology.org/cgi/content/meeting_abstract/78/1_MeetingAbstracts/S38.003?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=180&sortspec=date&resourcetype=HWCIT


NABIXIMOLS - see SATIVEX

NADA/ N-ARACHIDONOYLDOPAMINE- endocannabinoid, CB1


Mechanisms of HIV-1 inhibition by the lipid mediator N-arachidonoyldopamine. (full – 2005) http://www.jimmunol.org/content/175/6/3990.long


The biosynthesis of N-arachidonoyl dopamine (NADA), a putative endocannabinoid and endovanilloid, via conjugation of arachidonic acid with dopamine (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757501/

The endocannabinoid N-arachidonoyldopamine (NADA) exerts neuroprotective effects after excitotoxic neuronal damage via cannabinoid receptor 1 (CB(1)). (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22186081

The endocannabinoid N-arachidonoyl dopamine (NADA) selectively induces oxidative stress-mediated cell death in hepatic stellate cells but not in hepatocytes (abst – 2012) http://ajpgi.physiology.org/content/302/8/G873.abstract?rss=1

**NAIL-PATELLA SYNDROME**


'Trying to ease my suffering’  (news – 2008)

Born With Nail Patella Syndrome, Charles Snyder Turns to Michigan’s Medical Marijuana Law  (news/anecdotal – 2011)
http://medicalmarijuana411.com/mmj411_v3/?p=5538

Charles Snyder III – Nail Patella Syndrome – Part Two  (news/anecdotal – 2011)
http://medicalmarijuana411.com/mmj411_v3/?p=469

**NAMISOL** – a THC tablet

Holland: Echo Pharmaceuticals develops THC tablet Namisol  (news – 2008)

Novel Δ(9)-tetrahydrocannabinol formulation Namisol® has beneficial pharmacokinetics and promising pharmacodynamic effects.  (abst – 2011)

Namisol granted €4,5M, for Clinical Phase II & III on Alzheimer’s and Neural Pain  (news - 2011)

Novel Δ(9)-tetrahydrocannabinol formulation Namisol® has beneficial pharmacokinetics and promising pharmacodynamic effects.  (abst – 2012)

**NAUSEA**  - also see MORNING SICKNESS, MOTION SICKNESS, RADIATION-INDUCED NAUSEA


Delta-9-Tetrahydrocannibinol as an Antiemetic in Cancer Patients Receiving High-Dose Methotrexate  (full - 1979)  http://www.ukcia.org/research/AntiemeticForMethotrexate.php

Delta-9-tetrahydrocannabinol (THC) as an antiemetic in patients treated with cancer chemotherapy; a double-blind cross-over trial against placebo  (abst - 1979)
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Amelioration of cancer chemotherapy-induced nausea and vomiting by delta-9-tetrahydrocannabinol. (abst - 1979)
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Superiority of nabilone over prochlorperazine as an antiemetic in patients receiving cancer chemotherapy. (abst - 1979)
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Clinical experience with levonantradol hydrochloride in the prevention of cancer chemotherapy-induced nausea and vomiting. (abst – 1981)

Comparative trial of the antiemetic effects of THC and haloperidol (abst - 1981)
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Cannabis and cancer chemotherapy: a comparison of oral delta-9-THC and prochlorperazine. (abst – 1982)  

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Anti-emetic efficacy and toxicity of nabilone, a synthetic cannabinoid, in lung cancer chemotherapy. (full -1983)  
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NEURONS/ BRAIN CELLS


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Insulin induces long-term depression of ventral tegmental area dopamine neurons via endocannabinoids (abst – 2013) http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.3321.html


**OBSESSIVE COMPULSIVE DISORDER/ OCD**

Inhibition of fatty-acid amide hydrolase accelerates acquisition and extinction rates in a
spatial memory task. (full – 2007)  

Improvement in Refractory Obsessive Compulsive Disorder With Dronabinol (letter - 2008) http://ajp.psychiatryonline.org/cgi/content/full/165/4/536

Science: THC effective in obsessive compulsive disorder according to case reports (news - 2008) http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=268#2


Plasma and brain pharmacokinetic profile of cannabidiol (CBD), cannabidivarine (CBDV), Δ(9)-tetrahydrocannabinvarin (THCV) and cannabigerol (CBG) in rats and mice following oral and intraperitoneal administration and CBD action on obsessive-compulsive behaviour. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21796370


**OLEOYLETHANOLAMIDE / OEA** - endocannabinoid, an anandamide analog, GPR 119 agonist

'Entourage' effects of N-palmitoylethanolamide and N-oleoylethanolamide on vasorelaxation to anandamide occur through TRPV1 receptors. (full – 2008) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2597234/?tool=pubmed
Endocannabinoids and nutrition.  (full – 2008)  

Targeted enhancement of oleoylethanolamide production in proximal small intestine induces across-meal satiety in rats.  (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2494809/?tool=pubmed

The lipid messenger OEA links dietary fat intake to satiety.  (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2572640/?tool=pubmed

Endogenous and synthetic agonists of GPR119 differ in signalling pathways and their effects on insulin secretion in MIN6c4 insulinoma cells.  (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2528830/?tool=pubmed

Abnormalities in the cerebrospinal fluid levels of endocannabinoids in multiple sclerosis.  (abst – 2008)  

Biological functions and metabolism of oleoylethanolamide.  (abst – 2008)  

Inhibitory effect of the anorexic compound oleoylethanolamide on gastric emptying in control and overweight mice.  (abst – 2008)  

Fat-induced satiety factor oleoylethanolamide enhances memory consolidation  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2683095/?tool=pubmed

GPR119 is essential for oleoylethanolamide-induced glucagon-like peptide-1 secretion from the intestinal enteroendocrine L-cell.  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2671052/?tool=pubmed

Sleep deprivation increases oleoylethanolamide in human cerebrospinal fluid.  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2757605/?tool=pubmed

Circulating endocannabinoids and N-acyl ethanolamines are differentially regulated in major depression and following exposure to social stress.  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2716432/?tool=pubmed

Receptors for acylethanolamides-GPR55 and GPR119.  (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751869/?tool=pubmed

Oleoylethanolamide exerts partial and dose-dependent neuroprotection of substantia nigra dopamine neurons.  (abst – 2009)  

Plasma endocannabinoid levels in multiple sclerosis.  (abst – 2009)  

N-acyylethanolamines, anandamide and food intake.  (abst – 2009)  
The fat-induced satiety factor oleoylethanolamide suppresses feeding through central release of oxytocin. (full – 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2900249/?tool=pubmed


Plasma anandamide and other N-acyl-ethanolamines are correlated with their corresponding free fatty acid levels under both fasting and non-fasting conditions in women (full – 2010) http://www.nutritionandmetabolism.com/content/7/1/49


Endocannabinoids and Human Sperm Cells (link to PDF - 2010) http://www.mdpi.com/1424-8247/3/10/3200


Administration of URB597, oleoylethanolamide or palmitoylethanolamide increases waking and dopamine in rats. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3136458/?tool=pubmed


Lipid transport function is the main target of oral oleoylethanolamide to reduce adiposity in high-fat-fed mice (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3111743/?tool=pubmed
Effect of dietary krill oil supplementation on the endocannabinoidome of metabolically relevant tissues from high-fat-fed mice (full – 2011) http://www.nutritionandmetabolism.com/content/8/1/51


The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation (full – 2012) http://www.jneuroinflammation.com/content/9/1/79


Endocannabinoids measurement in human saliva as potential biomarker of obesity. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3409167/?tool=pubmed

Plasma Endocannabinoid Alterations in Individuals with Substance Use Disorder are Dependent on the "Mirror Effect" of Schizophrenia. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3457074/

Endocannabinoids in stressed humans (link to PDF – 2012) http://www.doaj.org/doaj?func=abstract&id=1152482&q1=cannabinoid&f1=all&b1=and&q2=&f2=all&reNo=2&uiLanguage=en


The Volitional Nature of Nicotine Exposure Alters Anandamide and Oleoylethanolamide Levels in the Ventral Tegmental Area. (abst – 2012)  

Optimized synthesis and characterization of N-acylethanolamines and O-acylethanolamines, important family of lipid-signalling molecules. (abst – 2012)  

Temporal changes in N-acylethanolamine content and metabolism throughout the peri-adolescent period (abst – 2012)  

Acute Stress Increases Circulating Anandamide and Other N-Acylethanolamines in Healthy Humans (abst – 2012)  

β−Amyloid exacerbates inflammation in astrocytes lacking fatty acid amide hydrolase through a mechanism involving PPAR-α, PPAR-γ and TRPV1, but not CB1 or CB2 receptors (abst – 2012)  

The endocannabinoid system in the rat dorsolateral periaqueductal grey mediates fear-conditioned analgesia and controls fear expression in the presence of nociceptive tone (abst – 2012)  

Mechanisms of vasorelaxation induced by oleoylethanolamide in the rat small mesenteric artery. (abst – 2013)  

http://www.ncbi.nlm.nih.gov/pubmed/23372171

The cannabinoid TRPA1 agonist cannabichromene inhibits nitric oxide production in macrophages and ameliorates murine colitis. (abst – 2013)  

Biosynthetic Pathways of Bioactive N-Acylethanolamines in Brain. (abst – 2013)  

Taste sensitivity to 6-n-propylthiouracil is associated with endocannabinoid plasma levels in normal-weight individuals. (abst – 2013)  

OMEGA-3/ CB1 CONNECTION (without Omega 3, new CB1 receptors are made imperfectly)  
also see NUTRITION – HEMP SEED OIL, CBR- CB1 receptors
Hemp Packs in Powerful Source of Preconception Nutrition  (article - undated)  

Omega-3 and Omega-6 Essential fatty Acids (EFA)  (infomercial/ad – undated)  

Occurrence of "omega-3" stearidonic acid in hemp seed  (full - 1996)  
http://www.hempfood.com/IHA/iha03208.html

Effect of maternal under-nutrition on pup body weight and hypothalamic endocannabinoid levels.  (abst – 2003)  

Oily fish makes 'babies brainier'  (news - 2006)  (hemp seed at the end)  
http://news.bbc.co.uk/2/hi/health/4631006.stm

Effect of dietary hempseed intake on cardiac ischemia-reperfusion injury.  (full – 2007)  
http://ajpregu.physiology.org/content/292/3/R1198.long

Endocannabinoids and nutrition.  (full – 2008)  

Review of Nutritional Attributes of GOOD OIL (Cold Pressed Hemp Seed Oil)  
(full – 2008)  
http://www.goodwebsite.co.uk/kingsreport.pdf

Deficit in prepulse inhibition in mice caused by dietary n-3 fatty acid deficiency.  
(full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2852869/

Hemp Seed Oil Benefits  (news – 2009)  
http://www.livestrong.com/article/31903-hemp-seed-oil-benefits/

Cannabinoid receptor-dependent and -independent anti-proliferative effects of omega-3 ethanolamides in androgen receptor-positive and -negative prostate cancer cell lines.  
(full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2930808/?tool=pubmed

Maternal Dietary Fat Determines Metabolic Profile and the Magnitude of Endocannabinoid Inhibition of the Stress Response in Neonatal Rat Offspring  
(full – 2010)  
http://endo.endojournals.org/content/151/4/1685.full?sid=f9729cff-d221-42d4-81d8-8545db5df878

Effect of dietary fat on endocannabinoids and related mediators: consequences on energy homeostasis, inflammation and mood.  (abst – 2010)  

Hemp Oil for Gout  (news – 2010)  
http://www.goutyjoint.com/Hemp_Oil_for_Gout.html

Effect of dietary krill oil supplementation on the endocannabinoidome of metabolically relevant tissues from high-fat-fed mice  (full – 2011)
A synaptogenic amide N-docosahexaenoylethanolamide promotes hippocampal development (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3215906/


Fish oil promotes survival and protects against cognitive decline in severely undernourished mice by normalizing satiety signals. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21109417

Omega-3 N-acylethanolamines are endogenously synthesised from omega-3 fatty acids in different human prostate and breast cancer cell lines. (abst – 2011) http://www.ncbi.nlm.nih.gov/pubmed/21995886


Hemp Seed Oil for Anxiety (news – 2011) http://www.livestrong.com/article/379150-hemp-seed-oil-for-anxiety/


Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372498/

Dietary linoleic acid elevates endogenous 2-AG and anandamide and induces obesity. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3458187/

Type 2 Diabetes Associated Changes in the Plasma Non-Esterified Fatty Acids, Oxylipins and Endocannabinoids (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3493609/

Fish oil and inflammatory status alter the n-3 to n-6 balance of the endocannabinoid and oxylipin metabolomes in mouse plasma and tissues (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3483099/

Nutritional n-3 polyunsaturated fatty acids deficiency alters cannabinoid receptor signaling pathway in the brain and associated anxiety-like behavior in mice. (abst – 2012) http://www.springerlink.com/content/ur5784gm34782505/

Metabolic effects of n-3 PUFA as phospholipids are superior to triglycerides in mice fed a high-fat diet: possible role of endocannabinoids. (full – 2012) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3372498/


Effect of omega-3 polyunsaturated fatty acids on the endocannabinoid system in osteoblast-like cells and muscle (abst – 2012) http://docs.lib.purdue.edu/dissertations/AAI3444794/

Dietary linoleic acid elevates endogenous 2-arachidonoylglycerol and anandamide in Atlantic salmon (Salmo salar L.) and mice, and induces weight gain and inflammation in mice. (abst - 2012) http://www.ncbi.nlm.nih.gov/pubmed/22883314

Cannabinoid Receptor Function is Altered by Nutritionally Deficient Diet (news – 2012)  

DHA prevents altered 5-HT1(A), 5-HT2(A), CB1 and GABA(A) receptor binding densities in the brain of male rats fed a high-saturated-fat diet. (abst – 2013)  

Synaptamide, endocannabinoid-like derivative of docosahexaenoic acid with cannabinoid-independent function. (abst – 2013)  

ORGAN TRANSPLANT

Fatal aspergillosis associated with smoking contaminated marijuana, in a marrow transplant recipient. (full - 1988)  
http://chestjournal.chestpubs.org/content/94/2/432.long

Successfully treated invasive pulmonary aspergillosis associated with smoking marijuana in a renal transplant recipient. (abst - 1996)  

Exogenous lipid pneumonia related to smoking weed oil following cadaveric renal transplantation (link to PDF - 2000)  

http://stopthedrugwar.org/chronicle-old/299/notransplant.shtml

Endocannabinoids and cannabinoid receptors in ischaemia–reperfusion injury and preconditioning (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219536/?tool=pmcentrez

The debate about marijuana usage in transplant candidates: recent medical evidence on marijuana health effects. (abst - 2008)  

Medical Marijuana Users Denied Organ Transplants (news – 2008)  
http://blogs.wsj.com/health/2008/05/19/medical-marijuana-users-denied-organ-transplants/

Is medical-marijuana use reason to deny someone an organ transplant? (news – 2008)  
http://seattletimes.nwsource.com/html/health/2004389825_liver03m.html

Should Hepatitis C Patients Who Smoke Marijuana Be Eligible For Liver Transplants? (news - 2008)  
http://www.sciencedaily.com/releases/2008/10/081022211032.htm
Marijuana Use in Potential Liver Transplant Candidates. (abst - 2009)

Woman Dies After Being Denied Organ Transplant (news – 2009)

Do cannabinoids have a therapeutic role in transplantation (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2923447/?tool=pubmed

Denial of hepatic transplantation on the basis of smoking: is it ethical? (abst – 2010)

Oregon hospitals denying life saving organ transplants to legal medical marijuana patients (news - 2010)
hhttp://www.huffingtonpost.com/russ-belville/oregon-hospitals-denying_b_575965.html

Health Tragedy: Patients Denied Life-Saving Transplants for Their "Abuse of Illicit Substances" (news – 2010)
http://www.alternet.org/health/145432/health_tragedy%3A_patients_denied_life-saving_transplants_for_their_%22abuse_of_illicit_substances%22

http://jpet.aspetjournals.org/content/early/2011/06/14/jpet.111.182717.long

Cannabinoid receptor 2 and its agonists mediate hematopoiesis and hematopoietic stem and progenitor cell mobilization. (abst – 2011)

The Denial of Organ Transplants to Medical Marijuana Patients (news – 2011)

Cancer Patient Taken Off Of Liver Transplant List Because Of Medical Marijuana Use (news – 2011)
http://americansforsafeaccess.org/article.php?id=6986

Cedars-Sinai Denying Transplant To Medical Marijuana Patient With Inoperable Liver Cancer (news – 2011)

OSTEOPOROSIS/ BONES

Cannabinoid receptor type 2 gene is associated with human osteoporosis (full - 2005)
Regulation of bone mass, bone loss and osteoclast activity by cannabinoid receptors (full - 2005) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1430341/?tool=pmcentrez

Peripheral cannabinoid receptor, CB2, regulates bone mass (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1334629/?tool=pmcentrez

Involvement of Neuronal Cannabinoid Receptor CB1 in Regulation of Bone Mass and Bone Remodeling (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2238031/?tool=pmcentrez

Women with a variant of the CB2 gene have a three-fold higher risk of osteoporosis (news – 2006) http://www.xagena.it/news/medicinenews_net_news/8f1bac3967e0ff70ebc09d8ca5e08633.html


Prototype drug to prevent osteoporosis based on cannabinoids found in the body (news - 2006) http://www.news-medical.net/?id=15220


Cannabinoid receptors and the regulation of bone mass       (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219540/?tool=pmcentrez

Regulation of Bone Mass, Osteoclast Function, and Ovariectomy-Induced Bone Loss by the Type 2 Cannabinoid Receptor       (full - 2008)  
http://endo.endojournals.org/cgi/content/full/149/11/5619?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=240&resourcetype=HWCIT

The cannabinoid CB1 receptor regulates bone formation by modulating adrenergic signaling.       (full - 2008)  
http://www.fasebj.org/cgi/content/full/22/1/285

Role of cannabinoid receptors in bone disorders: alternatives for treatment       (abst - 2008)  

Ajulemic acid, a nonpsychoactive cannabinoid acid, suppresses osteoclastogenesis in mononuclear precursor cells and induces apoptosis in mature osteoclast-like cells.       (abst - 2008)  

The putative cannabinoid receptor GPR55 affects osteoclast function in vitro and bone mass in vivo       (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2737440/?tool=pubmed

Cannabidiol decreases bone resorption by inhibiting RANK/RANKL expression and pro-inflammatory cytokines during experimental periodontitis in rats.       (abst - 2009)  

Cannabinoids and the skeleton: From marijuana to reversal of bone loss.       (abst - 2009)  
http://www.unboundmedicine.com/medline/ebm/record/19634029/abstract/Cannabinoids_and_the_skeleton:_From_marijuana_to_reversal_of_bone_loss

Activation of CB2 cannabinoid receptors: a novel therapeutic strategy to accelerate osseointegration of dental implants.       (abst - 2009)  

Marijuana/Cannabis may protect against osteoporosis       (news - 2009)  

Cannabis may prevent osteoporosis       (news - 2009)  
http://news.bbc.co.uk/2/hi/uk_news/scotland/edinburgh_and_east/8199007.stm

Hypothalamic regulation of bone.       (full – 2010)  
http://jme.endocrinology-journals.org/cgi/content/full/45/4/175

Cannabinoid Receptors as Target for Treatment of Osteoporosis: A Tale of Two Therapies       (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3001217/?tool=pubmed
A cannabinoid 2 receptor agonist attenuates bone cancer-induced pain and bone loss.

Cannabinoids and Bone: Friend or Foe?

The endocannabinoid signaling system: a marriage of PUFA and musculoskeletal health.

Control of bone remodeling by nervous system. Nervous system and bone

Endocannabinoids are expressed in bone marrow stromal niches and play a role in interactions of hematopoietic stem and progenitor cells with the bone marrow microenvironment

Is lipid signaling through cannabinoid 2 receptors part of a protective system?

Targeting the CB2 cannabinoid receptor in osteoporosis

The Type 2 Cannabinoid Receptor Regulates Bone Mass and Ovariectomy-Induced Bone Loss by Affecting Osteoblast Differentiation and Bone Formation

The endovanilloid/endocannabinoid system: A new potential target for osteoporosis therapy.

The role of cannabinoid receptors in bone remodeling in a CB1/2 double knockout mouse

Cannabinoids and Bone: ENDOCANNABINOIDS MODULATE HUMAN OSTEOCLAST FUNCTION IN VITRO.

Cannabinoids and bone: endocannabinoids modulate human osteoclast function in vitro

Role of cannabinoids in the regulation of bone remodeling (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3499879/


OVERDOSES OF CANNABINOIDS  also see CANNABINOID HYPEREMESIS

Cannabis Indica Poisoning (1899)  http://www.onlinepot.org/medical/Dr_Tods_PDFs/s2_2.pdf

Two cases of Poisoning by Cannabis Indica (1900)  http://www.onlinepot.org/medical/Dr_Tods_PDFs/s2_3.pdf

Collapse after intravenous injection of hashish. (full - 1968)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1986226/?tool=pmcentrez&page=1


Inadvertent ingestion of marijuana - Los Angeles, California, 2009 (full - 2009)  http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5834a2.htm


Information for Health Care Professionals- Marihuana (marijuana, cannabis) dried plant for administration by ingestion or other means (Health Canada) (full – 2010)
Accidental cannabis poisoning in children: report of four cases in a tertiary care center from southern Spain  
[abst – 2011]

http://www.unboundmedicine.com/medline/ebm/record/21283933/abstract/%5BAccidental_cannabis_poisoning_in_children:_report_of_four_cases_in_a_tertiary_care_center_from_southern_Spain%5D

Prolonged coma in a child due to hashish ingestion with quantitation of THC metabolites in urine.  
[abst – 2011]

http://www.unboundmedicine.com/medline/ebm/record/20634020/abstract/Prolonged_coma_in_a_child_due_to_hashish_ingestion_with_quantitation_of_THC_metabolites_in_urine

Acute cannabis poisoning in a 10-month-old infant.  
[abst – 2012]


Recreational use and overdose of ingested processed cannabis (Majoon Birjandi) in the eastern Iran.  
[abst – 2012]


OVERVIEWS

On Being Stoned: A Psychological Study of Marijuana Intoxication  
(book - 1971)  
http://www.druglibrary.org/special/tart/tartcont.htm

HEMP, THE PLANT THAT CAN SAVE MOTHER EARTH  
(transcript – 1990)  
http://www.ratical.org/renewables/hempHDRT.html

The Emperor Wears No Clothes  
(book - 2007)  
http://www.jackherer.com/thebook/

Cannabis; extracting the medicine  
(book – 2007)  
http://mcforadhd.free.fr/Hazekamp%20EXTRACTING%20THE%20MEDICINE.pdf

Cannabinoids: A New Group of Agonists of PPARs  
(full – 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2220031/?tool=pubmed

Cannabis and Endocannabinoids: The Old Man and the Teenagers  
(full – 2007)  

Pharmacological actions and therapeutic uses of cannabis and cannabinoids  
(full – 2008)  

Medicinal Use of Cannabis in the United States: Historical Prespectives, Current Trends and future Directions  
(full - 2009)  
http://www.letfreedomgrow.com/cmu/JOM_5-3-03-Carter.pdf

Hemp Industry Association - Facts  
(article - 2009)  
http://www.thehia.org/facts.html
Information for Health Care Professionals - Marihuana (marijuana, cannabis) dried plant for administration by ingestion or other means (Health Canada) (full – 2010) 

Cannabis and Its Derivatives: Review of Medical Use (full – 2011) 
http://www.jabfm.org/cgi/content/full/24/4/452

Is lipid signaling through cannabinoid 2 receptors part of a protective system? (full – 2011) 
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3062638/

Global Commission Drug Report (links to full in various languages – 2011) 
http://www.globalcommissionondrugs.org/Report

Scientific Opinion on the safety of hemp (Cannabis genus) for use as animal feed (full – 2011) (deceptive title) 

Introduction to the Endocannabinoid System (news – 2011) 
http://norml.org/index.cfm?Group_ID=8444

Is Pot Good For You? (news – 2011) 
http://www.time.com/time/magazine/article/0,9171,1003570,00.html

PAIN

ANTI-EDEMA AND ANALGESIC PROPERTIES OF Δ9-TETRAHYDROCANNABINOL (THC) (abst- 1973) 
http://jpet.aspetjournals.org/content/186/3/646.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=2160&resourcetype=HWCIT

Analgesic effect of delta-9-tetrahydrocannabinol. (abst - 1975) 
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=16

The analgesic properties of delta-9-tetrahydrocannabinol and codeine. (abst - 1975) 
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=17

Marihuana as a therapeutic agent for muscle spasm or spasticity. (abst - 1980) 
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=53

ANALGESIC AND ANTIINFLAMMATORY ACTIVITY OF CONSTITUENTS OF CANNABIS SATIVA L. (full - 1988) 
http://www.ukcia.org/research/AnalgesicAndAntiInflammatoryActivityofConstituents.html
The effect of orally and rectally administered delta-9-tetrahydrocannabinol on spasticity: a pilot study with 2 patients. (abst - 1996)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=12

The perceived effects of smoked cannabis on patients with multiple sclerosis. (abst - 1997)

Pain relief with oral cannabinoids in familial Mediterranean fever (abst - 1997)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=18

Hypoactivity of the Spinal Cannabinoid System Results in NMDA-Dependent Hyperalgesia (full – 1998)
http://www.jneurosci.org/content/18/1/451.long

Doped skin (news - 1998) (may need registration)
http://www.newscientist.com/article/mg15921434.700-doped-skin.html

Pain modulation by release of the endogenous cannabinoid anandamide (full - 1999)
http://www.pnas.org/content/96/21/12198.full

Analgesic effect of the cannabinoid analogue nabilone is not mediated by opioid receptors. (abst - 1999)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=203

Brain Releases Marijuana-Like Substance In Response To Pain, Study Finds (news - 1999)
http://www.sciencedaily.com/releases/1999/10/991013074947.htm

Most pain patients gain benefit from cannabis in a British study (news - 2000)
http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=84#1

Therapeutic aspects of cannabis and cannabinoids. (full - 2001)
http://bjp.rcpsych.org/cgi/content/full/178/2/107

Are cannabinoids an effective and safe treatment option in the management of pain? A qualitative systematic review (full - 2001)
http://www.ukcia.org/research/EffectiveTreatmentOptionForPain.pdf

Therapeutic Aspects of Cannabis and Cannabinoids (full - 2001)

Administration of Endocannabinoids Prevents a Referred Hyperalgesia Associated With Inflammation of the Urinary Bladder (full – 2001)

Tetrahydrocannabinol for treatment of chronic pain (abst - 2001)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=147

The Role of Cannabis and Cannabinoids in Pain Management (full – 2002)
http://www.humanhemphealth.ca/Russo-AAPM_chapter.pdf
A Dramatic Response to Inhaled Cannabis in a Woman with Central Thalamic Pain and Dystonia (full - 2002) http://www.jpsmjournal.com/article/PIIS0885392402004268/fulltext


A preliminary controlled study to determine whether whole-plant cannabis extracts can improve intractable neurogenic symptoms (full - 2003) http://www.ukcia.org/research/WholePlantExtractsImproveNeurogenicSymptoms.pdf


Cannabis and Pain Management (article - 2003) http://www.letfreedomgrow.com/articles/can030828.htm


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http://www.patentstorm.us/patents/6503492/fulltext.html

20070151149 - Methods for altering the level of phytochemicals in plant cells by applying wave lengths of light from 400 nm to 700 nm and apparatus therefore  (full - 2004)  
http://www.patentstorm.us/applications/20070151149/fulltext.html


US Patent 6713048 - Δ9 tetrahydrocannabinol (Δ9 THC) solution metered dose inhalers and methods of use  (full - 2004)  
http://www.patentstorm.us/patents/6713048/fulltext.html

Patent 6713048Δ9 tetrahydrocannabinol (Δ9 THC) solution metered dose inhalers and methods of use  (full – 2004)  
http://www.patentstorm.us/patents/6713048/fulltext.html

US Patent 6974568 - Treatment for cough  (full - 2005)  
http://www.patentstorm.us/patents/6974568/fulltext.html


**PEA – PALMITOYLETHANOLAMIDE**  -  endocannabinoid, CB 2, GPR55 & GPR119 agonist

The palmitoylethanolamide and oleamide enigmas: are these two fatty acid amides cannabimimetic?  (abst – 1999)  http://lib.bioinfo.pl/pmid:10469890

Palmitoylethanolamide inhibits the expression of fatty acid amide hydrolase and enhances the anti-proliferative effect of anandamide in human breast cancer cells  (full - 2001)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1222054/pdf/11485574.pdf/?tool=pmcentrez
Administration of Endocannabinoids Prevents a Referred Hyperalgesia Associated With Inflammation of the Urinary Bladder (full – 2001)  

Anticonvulsant activity of N-palmitoylethanolamide, a putative endocannabinoid, in mice. (abst – 2001)  

Antiinflammatory action of endocannabinoid palmitoylethanolamide and the synthetic cannabinoid nabilone in a model of acute inflammation in the rat (full - 2002)  

Endocannabinoids and related fatty acid derivatives in pain modulation. (abst – 2002)  

The search for the palmitoylethanolamide receptor. (abst – 2005)  


Selective antiepileptic effects of N-palmitoylethanolamide, a putative endocannabinoid. (abst – 2005)  

Changes in endocannabinoid and palmitoylethanolamide levels in eye tissues of patients with diabetic retinopathy and age-related macular degeneration. (abst – 2006)  

Effects of palmitoylethanolamide on signaling pathways implicated in the development of spinal cord injury. (full – 2008)  
http://jpet.aspetjournals.org/content/326/1/12.long

Endocannabinoids and nutrition. (full – 2008)  

'Entourage' effects of N-palmitoylethanolamide and N-oleoylethanolamide on vasorelaxation to anandamide occur through TRPV1 receptors. (full – 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2597234/?tool=pubmed


Abnormalities in the cerebrospinal fluid levels of endocannabinoids in multiple sclerosis. (abst – 2008)  

Circulating endocannabinoids and N-acyl ethanolamines are differentially regulated in major depression and following exposure to social stress. (full – 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2716432/?tool=pubmed
Receptors for acylethanolamides-GPR55 and GPR119. (full – 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2751869/?tool=pubmed

Minocycline treatment inhibits microglial activation and alters spinal levels of endocannabinoids in a rat model of neuropathic pain (full – 2009)
http://www.molecularpain.com/content/5/1/35


Plasma endocannabinoid levels in multiple sclerosis. (abst – 2009)

N-acylethanolamines, anandamide and food intake. (abst – 2009)

Differential alterations of the concentrations of endocannabinoids and related lipids in the subcutaneous adipose tissue of obese diabetic patients. (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2868848/?tool=pubmed

Quantification of brain endocannabinoid levels: methods, interpretations and pitfalls (full – 2010)

Endocannabinoids and Human Sperm Cells (link to PDF - 2010)
http://www.mdpi.com/1424-8247/3/10/3200

Protective role of palmitoylethanolamide in contact allergic dermatitis. (abst – 2010)


Levels of endocannabinoids and palmitoylethanolamide and their pharmacological manipulation in chronic granulomatous inflammation in rats. (abst – 2010)


Effect of palmitoylethanolamide-polydatin combination on chronic pelvic pain associated with endometriosis: preliminary observations. (abst – 2010)


Increasing Antiproliferative Properties of Endocannabinoids in N1E-115 Neuroblastoma Cells through Inhibition of Their Metabolism.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3203169/?tool=pubmed

Administration of URB597, oleoylethanolamide or palmitoylethanolamide increases waking and dopamine in rats.  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3136458/?tool=pubmed

Palmitoylethanolamide reduces granuloma-induced hyperalgesia by modulation of mast cell activation in rats  (full – 2011)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3034677/?tool=pubmed

Ocular Hypotensive Effect of Oral Palmitoyl-ethanolamide: A Clinical Trial  (full – 2011)  http://www.iovs.org/content/52/9/6096.full?sid=b5ebf404-f190-49ee-9076-758ee6c9190d

Effect of dietary krill oil supplementation on the endocannabinoidome of metabolically relevant tissues from high-fat-fed mice  (full – 2011)  http://www.nutritionandmetabolism.com/content/8/1/51


Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α.  (full – 2012)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3315437/?tool=pubmed
The association of N-palmitoylethanolamine with the FAAH inhibitor URB597 impairs melanoma growth through a supra-additive action (full – 2012)  
http://www.biomedcentral.com/1471-2407/12/92

The fatty acid amide hydrolase inhibitor URB597 exerts anti-inflammatory effects in hippocampus of aged rats and restores an age-related deficit in long-term potentiation (full – 2012)  
http://www.jneuroinflammation.com/content/9/1/79

Endocannabinoids measurement in human saliva as potential biomarker of obesity.  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3409167/?tool=pubmed

Therapeutic utility of palmitoylethanolamidem in the treatment of neuropathic pain associated with various pathological conditions: a case series  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3500919/

Palmitoylethanolamide exerts neuroprotective effects in mixed neuroglial cultures and organotypic hippocampal slices via peroxisome proliferator-activated receptor-α (full – 2012)  
http://www.jneuroinflammation.com/content/9/1/49

The association of N-palmitoylethanolamine with the FAAH inhibitor URB597 impairs melanoma growth through a supra-additive action  
http://www.biomedcentral.com/1471-2407/12/92

Endocannabinoids in stressed humans  
http://www.doaj.org/doaj?func=abstract&id=1152482&q1=cannabinoid&f1=all&b1=and&q2=&f2=all&recNo=2&uiLanguage=en

Effects of Palmitoylethanolamide on Aqueous Humor Outflow.  

The interaction between intrathecal administration of low doses of palmitoylethanolamide and AM251 in formalin-induced pain related behavior and spinal cord IL1-β expression in rats.  

Effects of palmitoylethanolamide on intestinal injury and inflammation caused by ischemia-reperfusion in mice  
http://www.jleukbio.org/content/91/6/911.abstract?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=80&sortspec=date&resourcetype=HWCIT

Review article: Mast cell–glia axis in neuroinflammation and therapeutic potential of the anandamide congener palmitoylethanolamide  

Inhibition Of Fatty Acid Amide Hydrolase Produces Anti-Tussive Effects In Guinea-Pigs: Evidence For Elevated Fatty Acid Amides Acting Via Cannabinoid Receptors On Airway Sensory Nerves  
http://ajrccm.atsjournals.org/cgi/reprint/185/1_MeetingAbstracts/A2149?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCIT
THE CO-EXPRESSION OF THE ENDOCANNABINOID SYSTEM AND THE RANK/RANKL SIGNALLING PATHWAY IN HUMAN BONE AND OSTEOCLAST CULTURE (abst – 2012)
http://www.bjpros.boneandjoint.org.uk/content/94-B/SUPP_XVIII/7.abstract?maxtoshow=&hits=25&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=130&sortspec=date&resourcetype=HWCIT

The Novel Reversible Fatty Acid Amide Hydrolase Inhibitor ST4070 Increases Endocannabinoid Brain Levels and Counteracts Neuropathic Pain in Different Animal Models (abst – 2012)
http://jpet.aspetjournals.org/content/342/1/188.abstract?sid=ae58f15a-06bb-4a81-b850-61bb89fd59f5


β−Amyloid exacerbates inflammation in astrocytes lacking fatty acid amide hydrolase through a mechanism involving PPAR-α, PPAR-γ and TRPV1, but not CB1 or CB2 receptors (abst – 2012) http://onlinelibrary.wiley.com/doi/10.1111/j.1476-5381.2012.01889.x/abstract


PHARC
Mutations in ABHD12 cause the neurodegenerative disease PHARC: An inborn error of endocannabinoid metabolism.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2933347/?tool=pubmed

The serine hydrolases MAGL, ABHD6 and ABHD12 as guardians of 2-arachidonoylglycerol signalling through cannabinoid receptors  (full – 2011)  

Targeted next-generation sequencing identifies a homozygous nonsense mutation in ABHD12, the gene underlying PHARC, in a family clinically diagnosed with Usher syndrome type 3  (full – 2012)  
http://www.ojrd.com/content/7/1/59

**PHYTOCANNABINOIDS/ PLANT EXTRACTS** - also see THC, CBD

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

ACCESSING 0.5 to 2.0 GRAMS CBD FRACTIONATING THE PHYTOCANNABINOIDS BY THEIR VAPORIZATION POINTS  (article - undated)  

Cannabinoids  (encyclopedia entry)  
http://www.chemie.de/lexikon/e/Cannabinoids/

Cannabis Indica (U. S. P.)—Indian Cannabis. King's American Dispensatory (1898)  
http://www.henriettesherbal.com/eclectic/kings/cannabis.html

Chemical basis of hashish activity.  (abst - 1970)  

Anticonvulsant Action of Cannabis in the Rat: Role of Brain Monoamines.  (abst – 1978)  

Intraocular pressure following systemic administration of cannabinoids.  (abst - 1982)  

Ocular hypotension, ocular toxicity, and neurotoxicity in response to marihuana extract and cannabidiol.  (abst – 1984)  

Side effects of pharmaceuticals not elicited by comparable herbal medicines: the case of tetrahydrocannabinol and marijuana.  (abst – 1999)  

Advantages of polypharmaceutical herbal cannabis compared to single ingredient, synthetic tetrahydrocannabinol  (full - 2000)  
http://cannabismovement.org/docs/cannabis%20terpenes.pdf
Immonoactive cannabinoids: Therapeutic prospects for marijuana constituents (full - 2000)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC34030/?tool=pubmed

Variations of D9-THC content in single plants of hemp varieties (full - 2000)  
http://www.ukcia.org/research/VariationOfTHCContent.pdf

Cannabinoids in clinical practice. (abst - 2000)  

Cannabis and Cannabis Extracts: Greater Than the Sum of Their Parts? (full - 2001)  

Chapter 3: Cannabis and Marinol Compared (book excerpt - 2001)  
http://www.or-coast.net/contigo/PDF%201%20Files/chpt_3.pdf

Natural cannabis 'better than extracts' (news - 2001)  
http://news.bbc.co.uk/2/hi/health/1261737.stm

Whether whole plant Cannabis extracts can improve intractable neurogenic symptoms? (full - 2003)  
http://www.ukcia.org/research/WholePlantExtractsImproveNeurogenicSymptoms.pdf

Cannabis can help MS sufferers (news - 2003) (may need registration)  

http://www.ukcia.org/research/EfficacySafetyTolerabilityInMSSpasticityTreatment.pdf

Initial experiences with medicinal extracts of cannabis for chronic pain: Results from 34 ‘N of 1’ studies (full - 2004)  
http://www.ukcia.org/research/InitialExperiencesChronicPain.pdf

Efficacy of two cannabis based medicinal extracts for relief of central neuropathic pain from brachial plexus avulsion: results of a randomised controlled trial (full - 2004)  
http://www.ukcia.org/research/CentralNeuropathicPainEfficacy.pdf

Cannabis truly helps multiple sclerosis sufferers (news - 2004) (may need registration)  

Plant cannabinoids: a neglected pharmacological treasure trove. (full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1751232/?tool=pubmed

Chemical constituents of marijuana: the complex mixture of natural cannabinoids. (full – 2005)  
A tale of two cannabinoids: The therapeutic rationale for combining tetrahydrocannabinol and cannabidiol. (full - 2006)  

Unheated Cannabis sativa extracts and its major compound THC-acid have potential immuno-modulating properties not mediated by CB1 and CB2 receptor coupled pathways. (abst - 2006)  

The multidrug transporter ABCG2 (BCRP) is inhibited by plant-derived cannabinoids. (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2190019/?tool=pubmed

The psychoactive plant cannabinoid, Delta9-tetrahydrocannabinol, is antagonized by Delta8- and Delta9-tetrahydrocannabivarin in mice in vivo. (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2189766/?tool=pubmed

Endocannabinoids and Related Compounds: Walking Back and Forth between Plant Natural Products and Animal Physiology (full - 2007)  

Medicinal chemistry endeavors around the phytocannabinoids. (abst - 2007)  

The diverse CB1 and CB2 receptor pharmacology of three plant cannabinoids: Δ9-tetrahydrocannabinol, cannabidiol and Δ9-tetrahydrocannabivarin (full - 2008)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219532/

Antibacterial cannabinoids from Cannabis sativa: a structure-activity study. (full - 2008)  

Pain relief with cannabinoids-- the importance of endocannabinoids and cannabinoids for pain therapy (abst - 2008)  

Antihyperalgesic effect of a Cannabis sativa extract in a rat model of neuropathic pain: mechanisms involved. (abst - 2008)  

Interaction of plant cannabinoids with the multidrug transporter ABCC1 (MRP1).  
(abst - 2008)  

Immunomodulatory lipids in plants: plant fatty acid amides and the human endocannabinoid system. (abst – 2008)  

PKS activities and biosynthesis of cannabinoids and flavonoids in Cannabis sativa L. plants  
(abst - 2008)  

Non-psychotropic plant cannabinoids: new therapeutic opportunities from an ancient herb (full - 2009)  
http://cannabisinternational.org/info/Non-Psychoactive-Cannabinoids.pdf
Synthetic and plant-derived cannabinoid receptor antagonists show hypophagic properties in fasted and non-fasted mice  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2697695/?tool=pubmed

Evaluation of prevalent phytocannabinoids in the acetic acid model of visceral nociception  (full - 2009)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2765124/?tool=pubmed

Non-psychotropic plant cannabinoids: new therapeutic opportunities from an ancient herb.  (abst - 2009)  

Phytocannabinoids and endocannabinoids.  (abst - 2009)  

Pharmacological and therapeutic secrets of plant and brain (endo)cannabinoids.  (abst - 2009)  

Fungal biotransformation of cannabinoids: potential for new effective drugs.  (abst – 2009)  

Phytocannabinoid scientists unveils lozenge to treat H1N1 swine flu and H5N1 bird flu  (news/ad - 2009)  

Antidepressant-like effect of delta9-tetrahydrocannabinol and other cannabinoids isolated from Cannabis sativa L.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2866040/?tool=pubmed

The plant cannabinoid Delta9-tetrahydrocannabinvarin can decrease signs of inflammation and inflammatory pain in mice.  (full – 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931567/?tool=pubmed

Phytocannabinoids beyond the Cannabis plant – do they exist?  (full - 2010)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2931553/?tool=pubmed

Non-CB1, non-CB2 receptors for endocannabinoids, plant cannabinoids, and synthetic cannabimimetics: focus on G-protein-coupled receptors and transient receptor potential channels.  (abst – 2010)  
http://www.unboundmedicine.com/medline/ebm/record/19847654/abstract/Non_CB1_non_CB2_receptors_for_endocannabinoids_plant_cannabinoids_and_synthetic_cannabimimetics_focus_on_G_protein_coupled_receptors_and_transient_receptor_potential_channels

A low-Δ9tetrahydrocannabinol cannabis extract induces hyperphagia in rats.  (abst – 2010)  

Cannabis constituents modulate δ9-tetrahydrocannabinol-induced hyperphagia in rats.  (abst – 2010)  


Taming THC: potential cannabis synergy and phytocannabinoid-terpenoid entourage effects. (full - 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165946/


Prospects for cannabinoid therapies in basal ganglia disorders. (full – 2011) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3165947/

The role of phytochemicals in the treatment and prevention of dementia. (abst – 2011)

Cannabinoids: occurrence and medicinal chemistry.  (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21254969/abstract/Cannabinoids:_occurrence_and_medical_chemistry

Acute and chronic cannabinoid extracts administration affects motor function in a CCREAE model of multiple sclerosis.  (abst – 2011)  

Cannabis sativa and the endogenous cannabinoid system: therapeutic potential for appetite regulation.  (abst – 2011)  

Non-Δ9tetrahydrocannabinol phytocannabinoids stimulate feeding in rats.  
(abst – 2011)  

The Endocannabinoid System: Plant-Derived Cannabinoids in Diabetes and Diabetic Complications.  (abst – 2011)  

Marijuana, endocannabinoids, and epilepsy: Potential and challenges for improved therapeutic intervention.  (abst - 2011)  

Effects of cannabinoids and cannabinoid-enriched Cannabis extracts on TRP channels and endocannabinoid metabolic enzymes.  (abst – 2011)  

Natural Herbs That Increase Serotonin  (news – 2011)  

CBD Tops The Chart  (news - 2011)  (nice chart)  

Marijuana (Cannabis sativa) Mayo Clinic  (news – 2011)  
http://www.mayoclinic.com/health/marijuana/NS_patient-marijuana/DSECTION=evidence

Phytocannabinoids as novel therapeutic agents in CNS disorders.  (abst – 2012)  

The Endocannabinoid System and Plant-Derived Cannabinoids in Diabetes and Diabetic Complications  (full – 2012)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3349875/

Cannabis Responsive Head Injury Induced Mutiple Disabilities: A Case Report  
(link to PDF - 2012)  
Heat Exposure of Cannabis sativa Extracts Affects the Pharmacokinetic and Metabolic Profile in Healthy Male Subjects.  (abst – 2012)  

Phytocannabinoids as novel therapeutic agents in CNS disorders.  (abst – 2012)  

Nature Against Depression.  (abst – 2012)  

Cannabis exposure associated with weight reduction and β-cell protection in an obese rat model.  (abst – 2012)  

Cannabinoid-associated cell death mechanisms in tumor models (Review).  (abst – 2012)  

Differential migratory properties of monocytes isolated from human subjects naïve and non-naïve to Cannabis.  (abst – 2012)  

Multiple Sclerosis and Extract of Cannabis: results of the MUSEC trial.  (abst – 2012)  

Non-Δ⁹-tetrahydrocannabinol phytocannabinoids stimulate feeding in rats.  (abst – 2012)  

Sativex-like Combination of Phytocannabinoids is Neuroprotective in Malonate-Lesioned Rats, an Inflammatory Model of Huntington's Disease: Role of CB(1) and CB(2) Receptors.  (abst – 2012)  

Marijuana: modern medical chimaera.  (abst – 2012)  

Weaker Hemp Derivatives Can’t Compare to Full-Spectrum Marijuana Pills  
(news/ad- 2012)  
http://news.yahoo.com/weaker-hemp-derivatives-t-compare-full-spectrum-marijuana-084045889.html;_ylt=A2KJjak5Q5iQ1wATCiQtDMD

Non-THC cannabinoids inhibit prostate carcinoma growth in vitro and in vivo: pro-apoptotic effects and underlying mechanisms.  (full – 2013)  

Synthetic cannabis: A comparison of patterns of use and effect profile with natural cannabis in a large global sample.  (abst – 2013)  

The pharmacologic and clinical effects of medical cannabis.  (abst – 2013)  
POISONING - ORGANOPHOSPHATE


Activation of the endocannabinoid system by organophosphorus nerve agents (abst - 2008)  http://www.nature.com/nchembio/journal/v4/n6/abs/nchembio.86.html


Cannabinoid Receptor Agonist WIN-55,212-2 Protects Differentiated PC12 Cells From Organophosphorus- Induced Apoptosis  (abst – 2010)  http://ijt.sagepub.com/content/29/2/201.abstract


POISONING - PARAQUAT

Paraquat goes to pot.  (full - 1978)  http://chestjournal.chestpubs.org/content/74/4/358.long

Paraquat and marihuana. Assessing the hazard.  (link to PDF - 1978)  http://chestjournal.chestpubs.org/content/74/4/357.long


Paraquat induces apoptosis in human lymphocytes: protective and rescue effects of glucose, cannabinoids and insulin-like growth factor-1.  (abst – 2008)  


Protective effects of the synthetic cannabinoids CP55,940 and JWH-015 on rat brain mitochondria upon paraquat exposure.  (abst – 2010)  

**PORPHYRIA**

Porphyria by Colin  (anecdotal – undated)  
http://rxmarijuana.com/shared_comments/Porphyria.htm

Porphyria by Sharon Place  (anecdotal – undated)  
http://rxmarijuana.com/shared_comments/Porphyria2.htm

Effects of repeated administration with CP-55,940, a cannabinoid CB1 receptor agonist on the metabolism of the hepatic heme.  (abst – 2005)  

Medical Marijuana and Porphyria  (news – 2009)  
https://www.marijuanadocctors.com/content/ailments/view/53?ailment=porphyria

Porphyria—Alternative Symptom Treatments  (news – 2011)  
http://medicalmarijuana.com/medical-marijuana-treatments/Porphyria-Alternative-Symptom-Treatments

**POST-OPERATIVE PAIN**

Cannabinoid CB2 receptor agonist activity in the hindpaw incision model of postoperative pain.  (abst - 2005)  

A multicenter dose-escalation study of the analgesic and adverse effects of an oral cannabis extract (Cannador) for postoperative pain management.  (full - 2006)  
http://journals.lww.com/anesthesiology/Fulltext/2006/05000/A_Multicenter_Dose_escalation_Study_of_th e.21.aspx
Analgesic and adverse effects of an oral cannabis extract (Cannador) for postoperative pain (abst - 2006)  http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=184


Evidence for a Role of Endocannabinoids, Astrocytes and p38 Phosphorylation in the Resolution of Postoperative Pain (full - 2010)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2878341/?tool=pmcentrez

Compound boosts marijuana-like chemical in the body to relieve pain at injury site (news - 2010)  http://www.eurekalert.org/pub_releases/2010-09/uoc--cbm092010.php

**POST POLIO SYNDROME**

Medical Marijuana and Post Polio Syndrome (PPS) (news – undated)  https://www.marijuanadoctors.com/content/ailments/view/54?ailment=post-polio-syndrome-pps-

**POST TRAUMATIC STRESS DISORDER/ PTSD**

Never fear, cannabinoids are here (article - 2002)  http://mcforadhd.free.fr/naturefear.pdf


Cannabinoid CB1 Receptor Mediates Fear Extinction via Habituation-Like Processes (full - 2006) http://www.jneurosci.org/cgi/content/full/26/25/6677?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=400&resourcetype=HWCIT

Aversive memory reactivation engages in the amygdala only some neurotransmitters involved in consolidation. (full – 2006) http://learnmem.cshlp.org/content/13/4/426.long


Modulation of Fear and Anxiety by the Endogenous Cannabinoid System (full - 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2789283/?tool=pmcentrez

Posttraumatic stress symptom severity predicts marijuana use coping motives among traumatic event-exposed marijuana users (abst - 2007)
http://marijuana.researchtoday.net/archive/4/8/1378.htm

Medical Marijuana: PTSD Medical Malpractice (news - 2007)

Cannabis for the Wounded - Another Walter Reed Scandal (news - 2007)
http://www.libertypost.org/cgi-bin/readart.cgi?ArtNum=179973&Disp=11

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

Marijuana Therapy for Veterans with PTSD (article – 2008)
http://www.benefitsofmarijuana.com/ask/reader-questions/marijuana-therapy-for-veterans-with-ptsd/

Cannabinoid Receptor Activation in the Basolateral Amygdala Blocks the Effects of Stress on the Conditioning and Extinction of Inhibitory Avoidance (full - 2009)
http://www.jneurosci.org/cgi/content/full/29/36/11078?maxtoshow=&hits=10&RESULTFORMAT=&fulltext=Dr.+Irit+Akirav+&andorexactfulltext=and&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT

The use of a synthetic cannabinoid in the management of treatment-resistant nightmares in posttraumatic stress disorder (PTSD). (abst - 2009)

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

Medical Marijuana and Post-Traumatic Stress Disorder (PTSD) (news – 2009)
https://www.marijanadocs.com/content/ailments/view/117?ailment=post-traumatic-stress-disorder-ptsd-

Patients with post-traumatic stress disorder may benefit from synthetic marijuana (news - 2009)

Medical Marijuana and Nightmares (news – 2009)
https://www.marijanadocs.com/content/ailments/view/47?ailment=nightmares

Marijuana could alleviate symptoms of PTSD (news - 2009)
http://israel21c.org/health/marijuana-could-alleviate-symptoms-of-ptsd

Marijuana could prove helpful for post-traumatic stress disorder patients. (news - 2009)
http://www.thefreelibrary.com/Marijuana+could+prove+helpful+for+post-traumatic+stress+disorder...-a0211332139

835
'Pot' may help combat PTSD U. of Haifa study shows  (news - 2009)
http://www.jpost.com/LandedPages/PrintArticle.aspx?id=159548

PTSD contributes to teen and young adult cannabis use disorders.  (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2784238/?tool=pubmed

Cannabinoids modulate hippocampal memory and plasticity.  (abst – 2010)

The relationship between substance use and posttraumatic stress disorder in a methadone maintenance treatment program.  (abst – 2010)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=309

V.A. Easing Rules for Users of Medical Marijuana  (news – 2010)

Cannabis and PTSD by Michael McKenna  (anecdotal - 2010)

The role of cannabinoids in modulating emotional and non-emotional memory processes in the hippocampus.  (full – 2011)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3124830/?tool=pubmed

Cannabinoids prevent the development of behavioral and endocrine alterations in a rat model of intense stress.  (full – 2011)
http://www.nature.com/npp/journal/v37/n2/full/npp2011204a.html


Effect of cannabidiol on sleep disruption induced by the repeated combination tests consisting of open field and elevated plus-maze in rats.  (abst – 2011)


Anti-Aversive Effects of Cannabidiol on Innate Fear-Induced Behaviors Evoked by an Ethological Model of Panic Attacks Based on a Prey vs the Wild Snake Epicrates cenchria crassus Confrontation Paradigm.  (abst - 2011)


Endocannabinoids in stressed humans (link to PDF – 2012)  http://www.doaj.org/doaj?func=abstract&id=1152482&q1=cannabinoid&f1=all&b1=and&q2=&f2=all&recNo=2&uiLanguage=en

Critical role of the endocannabinoid system in mediating rapid glucocorticoid effects on memory for emotionally arousing experiences (link to PDF - 2012)  http://www.doaj.org/doaj?func=abstract&id=1152481&q1=cannabinoid&f1=all&b1=and&q2=&f2=all&recNo=3&uiLanguage=en

Positron emission tomography offers new perspectives for evidence-based treatment development in PTSD (link to PDF – 2012)  http://www.doaj.org/doaj?func=abstract&id=1152483&q1=endocannabinoid&f1=all&b1=and&q2=&f2=all&recNo=2&uiLanguage=en


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


Cannabinoid CB1 receptor deficiency increases contextual fear memory under highly aversive conditions and long-term potentiation in vivo. (abst – 2012) http://www.ncbi.nlm.nih.gov/pubmed/22579951


PRADER WILLI SYNDROME


PREGNANCY/ PRENATAL EXPOSURE
also see PERINATAL HYPOXIC-ISCHEMIC INJURY, CHILDREN

Menstrual cramps, morning sickness and labour pain (article – undated) http://www.ukcia.org/medical/menstrualcrampsmorningsicknessandlabourpain.php


Acute effects of marijuana smoking on prolactin levels in human females.  (abst - 1985) http://jpet.aspetjournals.org/content/232/1/220.abstract?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=0&resourcetype=HWCIT


Analysis of Facial Shape in Children Gestationally Exposed to Marijuana, Alcohol, and/or Cocaine  (abst - 1992) http://pediatrics.aappublications.org/cgi/content/abstract/89/1/67?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=marihuana&searchid=1&FIRSTINDEX=960&resourcetype=HWCIT


The preimplantation mouse embryo is a target for cannabinoid ligand-receptor signaling.  (full - 1995) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC40821/
Prenatal exposure to marihuana and tobacco during infancy, early and middle childhood: effects and an attempt at synthesis. (abst – 1995)

Prenatal tobacco and marijuana use among adolescents: effects on offspring gestational age, growth, and morphology. (abst – 1995)

Mortality Within the First 2 Years in Infants Exposed to Cocaine, Opiate, or Cannabinoid During Gestation (abst - 1997)
http://pediatrics.aappublications.org/cgi/content/abstract/100/1/79?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=640&resourcetype=HWCIT

Maternal cannabis use and birth weight: a meta-analysis (abst – 1997)
http://www.ingentaconnect.com/content/carfax/cadd/1997/00000092/00000011/art00015

Use of Marijuana During Pregnancy (book excerpt - 1997)

Dr. Melanie Dreher, reefer researcher (interview - 1998)
http://www.cannabisculture.com/v2/articles/1404.html

Cannabis and pregnancy (full - 1999)
http://www.ukcia.org/research/CannabisAndPregnancy.php

Ganja mothers, ganja babies (news - 1999)
http://www.cannabisculture.com/articles/1422.html

Dysregulated Cannabinoid Signaling Disrupts Uterine Receptivity for Embryo Implantation (full - 2001) http://www.jbc.org/content/276/23/20523.full

Menstrual cramps, morning sickness and labour pain (anecdotal – 2001)

Contrasting effects of WIN 55212-2 on motility of the rat bladder and uterus. (full – 2002) http://www.jneurosci.org/content/22/16/7147.long


Comparison of meconium and neonatal hair analysis for detection of gestational exposure to drugs of abuse (full - 2003) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1721515/pdf/v088p00F98.pdf


Plasma Levels of the Endocannabinoid Anandamide in Women—A Potential Role in Pregnancy Maintenance and Labor? (full - 2004) http://jcem.endojournals.org/cgi/content/full/89/11/5482?ijkey=5e8ee5690352ba9f6b990355b2ed69b1d2e58a5b


Determination of the prevalence of drug misuse by meconium analysis (full - 2006) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2672735/?tool=pubmed


Oily fish makes 'babies brainier' (news - 2006) (hemp seed - at the end) http://news.bbc.co.uk/2/hi/health/4631006.stm

Cannabis Relieves Morning Sickness (news/forum post - 2006)

The role of the endocannabinoid system in gametogenesis, implantation and early pregnancy (full - 2007)
http://humupd.oxfordjournals.org/cgi/content/full/13/5/501?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=960&resourcetype=HWCIT


CB2 receptors in reproduction (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2219526/

Volumetric MRI Study of Brain in Children With Intrauterine Exposure to Cocaine, Alcohol, Tobacco, and Marijuana (full - 2008)

Loss of Cannabinoid Receptor CB1 Induces Preterm Birth (full - 2008)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2553193/?tool=pmcentrez

Expression of the Endocannabinoid System in Human First Trimester Placenta and Its Role in Trophoblast Proliferation (full – 2008)
http://endo.endojournals.org/content/149/10/5052.full?sid=f5b14012-9fbc-4f10-890c-386313060cf8

Medical marijuana: a surprising solution to severe morning sickness (news - 2008)

Maternal tobacco, cannabis and alcohol use during pregnancy and risk of adolescent psychotic symptoms in offspring. (full - 2009)
http://bip.rcpsych.org/cgi/content/full/195/4/294


Marijuana/ Cannabis use in Pregnancy – Dr. Melanie Dreher (article – 2009)

During pregnancy, recreational drug-using women stop taking ecstasy (3,4-methylenedioxyn-N-methylamphetamine) and reduce alcohol consumption, but continue to smoke tobacco and cannabis: initial findings from the Development and Infancy Study. (abst - 2009) http://www.ncbi.nlm.nih.gov/pubmed/19939863


Tocolytic Effect of Δ9-Tetrahydrocannabinol in Mice Model of Lipopolysaccharide—Induced Preterm Delivery: Role of Nitric Oxide (abst - 2010) http://rsx.sagepub.com/content/17/4/391.abstract

A common variation in the cannabinoid 1 receptor (CNR1) gene is associated with pre-eclampsia in the Central European population. (abst - 2010) http://www.ncbi.nlm.nih.gov/pubmed/21129839


Pregnant women turning to cannabis for morning sickness relief risk prosecution
Scientific Opinion on the safety of hemp (Cannabis genus) for use as animal feed (full – 2011) (deceptive title)  

Sex difference in cell proliferation in developing rat amygdala mediated by endocannabinoids has implications for social behavior  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2996668/?tool=pubmed

Prenatal tobacco, marijuana, stimulant, and opiate exposure: outcomes and practice implications.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3188826/?tool=pubmed

Commentary: Functional Neuronal CB2 Cannabinoid Receptors in the CNS.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3137183/?tool=pubmed

Medical Marijuana: Can Pot Help Pregnant Women With Vomiting and Nausea?  (article – 2011)  

Cannabinoid hyperemesis syndrome: an underreported entity causing nausea and vomiting of pregnancy.  (abst – 2011)  

Cocaine, Opiate, and Cannabinoid Infant Mortality Study  (news – 2011)  

Pharmacological characterization of the peripheral FAAH inhibitor URB937 in female rodents: interaction with the Abcg2 transporter in the blood-placenta barrier (full – 2012)  

Acetaminophen, pesticide, and diethylhexyl phthalate metabolites, anandamide, and fatty acids in deciduous molars: potential biomarkers of perinatal exposure.  (abst – 2012)  

Ectopic pregnancy is associated with high anandamide levels and aberrant expression of FAAH and CB1 in fallopian tubes.  (abst – 2012)  

Uncovering a role for endocannabinoid signaling in autophagy in preimplantation mouse embryos  (abst – 2012)  
http://molehr.oxfordjournals.org/content/19/2/93.abstract

Cannabinoid modulation of mother-infant interaction: is it just about milk?  (abst – 2012)  
Researchers study neuroprotective properties in cannabis  (news - 2012)  
http://www.foxnews.com/health/2012/03/20/researchers-study-neuroprotective-properties-in-cannabis/

Cannabinoids, Breast Milk, and Development  (news – 2012)  

**PRIIONS**

Nonpsychoactive cannabidiol Prevents Prion Accumulation and Protects Neurons against Prion Toxicity  (full - 2007)  
http://www.jneurosci.org/cgi/content/full/27/36/9537

Recent News: Marijuana (Cannabis) May Prevent Mad Cow Disease  (news - 2007)  

Cannabidiol May be Effective in Preventing Bovine Spongiforme Enzephalopathy (Mad Cow Disease)  (news - 2007)  
http://www.letfreedomgrow.com/articles/fr070916.htm

Pot Compound Protective Against ‘Mad Cow’ Disease, Other Fatal Brain Disorders, Study Says  (news - 2007)  
http://www.norml.org/index.cfm?Group_ID=7362

Pot smoking could stop Mad Cow Disease?  (news - 2008)  
http://chattabbox.com/curiosity/2008/12/06/pot-smoking-could-stop-mad-cow-disease/

Alteration of the Endocannabinoid System In Mouse Brain During Prion Disease.  
(abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21195746/abstract/Alteration_of_the_Endocannabinoid_System_In_Mouse_Brain_During_Prion_Disease_

**PROXIMAL MYOTONIC MYOPATHY / PROMM**

Marijuana for the Management of Proximal Myotonic Myopathy  (full - 2001)  
http://www.jspmjournal.com/article/S0885-3924(01)00252-4/fulltext

**PRURITIS** - chronic itch

Dronabinol in patients with intractable pruritus secondary to cholestatic liver disease.  
(abst - 2002)  
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=116


Old drugs in new role: relieving chronic pruritus; Cannabinoid agonists, opioid receptor antagonists have attracted the attention of dermatologists (news - 2005) http://www.thefreelibrary.com/Old+drugs+in+new+role%3a+relieving+chronic+pruritus%3b+Cannabinoid ...


Chronic pruritus: targets, mechanisms and future therapies. (abst - 2008)  

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=pmcentrez

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2670585/?tool=pubmed

Cannabinoid system in the skin - a possible target for future therapies in dermatology.  (full - 2009)  

Cannabis: Potential treatment for skin disorders? (news - 2009)  
http://www.examiner.com/article/cannabis-potential-treatment-for-skin-disorders

The Management of Chronic Pruritus in the Elderly  (full – 2010)  
http://www.skintherapyletter.com/2010/15.8/2.html

Is there a legitimate role for the therapeutic use of cannabinoids for symptom management in chronic kidney disease? (abst – 2011)  

CB1 receptors mediate rimonabant-induced pruritic responses in mice: investigation of locus of action. (abst – 2011)  

Endocannabinoid signaling and epidermal differentiation. (abst – 2011)  

Discovery of S-444823, a potent CB1/CB2 dual agonist as an antipruritic agent. (abst – 2012)  

Palmitoylethanolamide is a new possible pharmacological treatment for the inflammation associated with trauma. (abst – 2012)  
PSORIASIS

The Endocannabinoid System in Human Keratinocytes  (full – 2003)  http://www.jbc.org/content/278/36/33896.full


Anandamide Regulates Keratinocyte Differentiation by Inducing DNA Methylation in a CB1 Receptor-dependent Manner  (full – 2007)  http://www.jbc.org/content/283/10/6005.full

Cannabinoids inhibit human keratinocyte proliferation through a non-CB1/CB2 mechanism and have a potential therapeutic value in the treatment of psoriasis  (abst - 2007)  http://www.ncbi.nlm.nih.gov/pubmed/17157480


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=pmcentrez


Cannabinoid Treatment for Psoriasis Symptoms  (article – 2012)  http://medicalmarijuana.com/medical-marijuana-treatments/Psoriasis


QUITTING CANNABIS - also see ADDICTION and WITHDRAWAL


Tobacco and Cannabis Smoking Cessation Can Lead to Intoxication with Clozapine or Olanzapine. (abst – 2002) [Link](http://www.ncbi.nlm.nih.gov/pubmed/11981356)


For pot users, visual and audible cues set off cravings (news – 2009) [Link](http://arstechnica.com/science/2009/07/abstinent-marijuana-users-still-have-cravings/)

Aerobic Exercise Training Reduces Cannabis Craving and Use in Non-Treatment Seeking Cannabis-Dependent Adults (full – 2011) [Link](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3050879/?tool=pmcentrez)

Exercise can reduce cannabis use in persons who don't want to stop (news – 2011) [Link](http://www.news-medical.net/news/20110304/Exercise-can-reduce-cannabis-use-in-persons-who-dont-want-to-stop.aspx)

A Double-Blind Randomized Controlled Trial of N-Acetylcysteine in Cannabis-Dependent Adolescents. (abst – 2012) [Link](http://www.ncbi.nlm.nih.gov/pubmed/22706327)


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

Supplement Helps Teens Kick Pot Habit (news – 2012) [Link](http://www.medpagetoday.com/Psychiatry/Addictions/33286?utm_content=&utm_medium=email&utm_campaign=DailyHeadlines&utm_source=WC&en=g522321d0r&userid=522321&email=tconnolly@wtis110.com&mu_id=)

Anticonvulsant Drug Helps Marijuana Smokers Kick the Habit (news – 2012) [Link](http://www.sciencedaily.com/releases/2012/04/120424095651.htm)

A Randomized Double-blind, Placebo Controlled Trial of Venlafaxine-Extended Release for Co-occurring Cannabis Dependence and Depressive Disorders (abst – 2013) [Link](http://www.ncbi.nlm.nih.gov/pubmed/23297841)
QUITTING OTHER DRUGS

The Use of Indian Hemp in the Treatment of Chronic Chloral and Chronic Opium Poisoning (1889) http://www.onlinепot.org/medical/Dr_Tods_PDFs/s3_2.pdf


Therapeutic use of cannabis by crack addicts in Brazil. (full - 1999) http://science.iowamedicalmarijuana.org/pdfs/addiction/Labigalini%20Therapeutic%20Cannabis%20Crack%20Brazil%20J%20Psychoact%20Drugs%201999.pdf


Modulation of oral morphine antinociceptive tolerance and naloxone-precipitated withdrawal signs by oral Delta 9-tetrahydrocannabinol. (full – 2003)  http://jpet.aspetjournals.org/content/305/3/812.long

Cannabis as a Substitute for Alcohol  (full - 2003)  http://www.doctordeluca.com/Library/AbstinenceHR/CannabisSubstituteAlcohol03.htm

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)  http://www.ncbi.nlm.nih.gov/pubmed/14731193


Comparison of Cannabidiol, Antioxidants, and Diuretics in Reversing Binge Ethanol-Induced Neurotoxicity  (full - 2005)  http://jpet.aspetjournals.org/content/314/2/780.full


Subchronic cannabinoid agonist (WIN 55,212-2) treatment during cocaine abstinence alters subsequent cocaine seeking behavior.  (full - 2007)  http://www.nature.com/npp/journal/v32/n11/abs/1301365a.html

Chronologically overlapping occurrences of nicotine-induced anxiety- and depression-related behavioral symptoms: effects of anxiolytic and cannabinoid drugs  (full - 2007)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2075518/?tool=pubmed


Inhibition of anandamide hydrolysis by URB597 reverses abuse-related behavioral and neurochemical effects of nicotine in rats.  (abst – 2008)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2663803/?tool=pubmed

Cannabis-based Drugs can help you quit Smoking  (news - 2008)

Cannabidiol, a Nonpsychotropic Component of Cannabis, Inhibits Cue-Induced Heroin Seeking and Normalizes Discrete Mesolimbic Neuronal Disturbances  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2829756/?tool=pmcentrez

Intermittent marijuana use is associated with improved retention in naltrexone treatment for opiate-dependence.  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2753886/?tool=pubmed

Cannabis as a substitute for alcohol and other drugs.  (full - 2009)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2795734/?tool=pmcentrez

Effects of the cannabinoid CB1 receptor antagonist AM 251 on the reinstatement of nicotine-conditioned place preference by drug priming in rats.  (full - 2009)

Interaction of the cannabinoid and opioid systems in the modulation of nociception.  (abst - 2009)

Medical Marijuana and Tobacco Dependence  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/67?ailment=tobacco-dependence

Medical Marijuana and Opiate Dependence  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/50?ailment=opiate-dependence

Is Cannabis the Answer to Booze Britain's Problems?  (news - 2009)

Medical Marijuana and Cocaine Dependence  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/21?ailment=cocaine-dependence

Cannabis as a substitute for heavy alcohol usage?  (news - 2009)

Medical marijuana users in substance abuse treatment.  (full - 2010)
http://www.harmreductionjournal.com/content/pdf/1477-7517-7-3.pdf

Attenuation of morphine antinociceptive tolerance by a CB(1) receptor agonist and an NMDA receptor antagonist: Interactive effects.  (full – 2010)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2813317/?tool=pubmed

Oaklanders Quitting Oxycontin with Cannabis  (news - 2010)
Marijuana To Control Alcohol Abuse (news - 2010)  

Marijuana could be an “exit drug” (news - 2010)  
http://newmexicoindependent.com/52915/marijuana-could-be-an-exit-drug

Study shows direct cellular interaction between endocannabinoids and alcohol in the brain (news - 2010)  

Endocannabinoid regulation of acute and protracted nicotine withdrawal: effect of FAAH inhibition. (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3227620/?tool=pubmed

Brain cannabinoid CB2 receptors modulate cocaine's actions in mice (abst – 2011)  
http://www.nature.com/neuro/journal/vaop/ncurrent/full/nn.2874.html

The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotine-induced dopamine elevations in the nucleus accumbens shell in rats (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21557729/abstract/The_anandamide_transport_inhibitor_AM404_reduces_the_rewarding_effects_of_nicotine_and_nicotine_induced_dopamine_elevations_in_the_nucleus_accumbens_shell_in_rats

Pharmacological activation/inhibition of the cannabinoid system affects alcohol withdrawal-induced neuronal hypersensitivity to excitotoxic insults. (abst – 2011)  

The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotine-induced dopamine elevations in the nucleus accumbens shell in rats. (abst – 2011)  

Study: Marijuana compound helps mitigate cocaine addiction in mice (news – 2011)  

Stimulation Of Marijuana Receptor Reduces Cocaine Consumption, Study Says (news – 2011)  
http://norml.org/index.cfm?Group_ID=8639

Why Medical Marijuana Laws Reduce Traffic Deaths (news - 2011)  

Medical marijuana turns former soldier's life around (news – 2011)  

Can marijuana curb cocaine addiction? (news – 2011)  
http://theweek.com/article/index/217709/can-marijuana-curb-cocaine-addiction
Cannabidiol inhibits the reward-facilitating effect of morphine: involvement of 5-HT(1A) receptors in the dorsal raphe nucleus. (abst – 2012)

Nicotine-induced anxiety-like behavior in a rat model of the novelty-seeking phenotype is associated with long-lasting neuropeptidergic and neuroplastic adaptations in the amygdala: Effects of the cannabinoid receptor 1 antagonist AM251. (abst – 2012)

Dual Inhibition of Endocannabinoid Catabolic Enzymes Produces Enhanced Anti-Withdrawal Effects in Morphine-Dependent Mice. (abst – 2013)

**RADIATION-INDUCED NAUSEA**

Randomised Clinical Trial of Levonantradol and Chlorpromazine in the Prevention of Radiotherapy-induced Vomiting. (abst - 1982)

A double-blind randomised cross-over comparison of nabilone and metoclopramide in the control of radiation-induced nausea. (abst - 1987)
http://www.cannabis-med.org/studies/ww_en_db_study_show.php?s_id=130

Receptor mechanism and antiemetic activity of structurally-diverse cannabinoids against radiation-induced emesis in the least shrew. (full - 2007)
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1949344/?tool=pmcentrez

Medical Marijuana and Radiation Therapy (news – 2009)
https://www.marijuananadoc.com/content/ailments/view/56?ailment=radiation-therapy

**RADIATION SICKNESS**

Medical Marijuana and Radiation Therapy (news – 2009)
https://www.marijuananadoc.com/content/ailments/view/56?ailment=radiation-therapy

Regulation of hematopoietic stem cell trafficking and mobilization by the endocannabinoid system. (abst – 2011)

Tumor necrosis factor activation of vagal afferent terminal calcium is blocked by cannabinoids. (abst – 2012)
REFLEX SYMPATHETIC DYSTROPHY

DEA Raids Aurora Medical Marijuana User  (news/ anecdotal – 2004)

Medi-Cal pays pot-related expenses  (news – 2007)

RSD Patient Gets Relief Through Medical Marijuana  (news - 2009)

An Opiate Controlled Population by Ryan Harshbarger  (news/ anecdotal- 2009)

Control of bone remodeling by nervous system. Nervous system and bone

RESTLESS LEG SYNDROME

Restless Leg Syndrome: Medical Marijuana Patients’ Say it Works  (news - 2007)

Medical Marijuana and Wittmaack-Ekbom's Syndrome  (news – 2009)
https://www.marijuanadoctors.com/content/ailments/view/170?ailment=wittmaack-ekbom-s-syndrome

RETINITIS PIGMENTOSA

Smoking dope restored my sight  (news/anecdotal - 1998)
http://news.bbc.co.uk/2/hi/health/212301.stm

Cannabis improves night vision: a case study of dark adaptometry and scotopic sensitivity in kif smokers of the Rif mountains of northern Morocco  (full - 2004)
http://science.iowamedicalmarijuana.org/pdfs/misc/Russo%20et%20al.%20Cannabis%20Night%20Vision%20JEP%202004.pdf
When spliff gets in your eyes... (news – 2004)
http://www.guardian.co.uk/science/2004/jul/07/sciencenews.research

**RIMONABANT/ ACOMPLIA/ SR141716/ SR1** — a CB1 & CB2 antagonist

SR141716A, a potent and selective antagonist of the brain cannabinoid receptor.


Cannabinoids enhance human B-cell growth at low nanomolar concentrations.


Activation of peripheral CB1 cannabinoid receptors in haemorrhagic shock.


Anandamide induces overeating: mediation by central cannabinoid (CB1) receptors


Cannabinoid receptor type 1 modulates excitatory and inhibitory neurotransmission in mouse colon  (full – 2003)  http://ajpgi.physiology.org/content/286/1/G110.full?sid=fc6948f0-78cf-405c-981b-afaa05ee417c

Ethanol Induces Higher Bec in Cb1 Cannabinoid Receptor Knockout Mice While Decreasing Ethanol Preference.  (full – 2005)  
http://alcalc.oxfordjournals.org/content/40/1/54.long

Activation of the Peripheral Endocannabinoid System in Human Obesity  (full - 2005)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC228268/?tool=pmcentrez

Enhancing Cannabinoid Neurotransmission Augments the Extinction of Conditioned Fear  (full - 2005)  
http://www.nature.com/npp/journal/v30/n3/full/1300655a.html

The analgesic activity of paracetamol is prevented by the blockade of cannabinoid CB1 receptors  (abst – 2005)  

The Cannabinoid Cb1 Receptor Antagonist Rimonabant Attenuates the Hypotensive Effect of Smoked Marijuana in Male Smokers.  (full – 2006)  
http://www.abjonline.com/article/S0002-8703%2805%2901013-6/fulltext

Weight Control in Individuals With Diabetes  (full - 2006)  
http://care.diabetesjournals.org/content/29/12/2749.full?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabis&searchid=1&FIRSTINDEX=2000&resourcetype=HWCIT

Anxiolytic-like properties of the anandamide transport inhibitor AM404.  (full – 2006)  
http://www.nature.com/npp/journal/v31/n12/full/1301061a.html

Lack of tolerance to the suppressing effect of rimonabant on chocolate intake in rats.  (abst – 2006)  

Acomplia may be dangerous for women of reproductive age  (news – 2006)  
http://www.xagena.it/news/medicinenews_net_news/1ef4c899cd6f0d5cae3a2e3a91adc1c.html

Obesity – Acomplia: loss of a few kilos, many questions  (news – 2006)  
http://www.xagena.it/news/medicinenews_net_news/4b5739d494ab72c2a54540e676c1e856.html

Big Pharma's Strange Holy Grail: Cannabis Without Euphoria?  (news - 2006)  
http://www.mapinc.org/drugnews/v06.n899.a05.html

Cross-sensitization and cross-tolerance between exogenous cannabinoid antinociception and endocannabinoid-mediated stress-induced analgesia  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2771679/?tool=pubmed

Single and multiple doses of rimonabant antagonize acute effects of smoked cannabis in male cannabis users.  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2689519/?tool=pubmed

Rimonabant (SR141716) exerts anti-proliferative and immunomodulatory effects in human peripheral blood mononuclear cells  (full - 2007)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2267266/?tool=pmcentrez


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**SCHIZOPHRENIA/ MENTAL DISORDERS**

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Subjective and Physiological Effects of Oromucosal Sprays Containing Cannabinoids (Nabiximols): Potentials and Limitations for Psychosis Research. (abst – 2012)  

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Study: Marijuana Linked to Lower Mortality Rate for Patients with Psychotic Disorders (news – 2012)  
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(abst – 2013)  

Cannabis and psychosis: what causes what?  
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Neonatal lipopolysaccharide treatment has long term effects on monoaminergic and cannabinoid receptors in the rat.  
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The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities  
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The cannabinoid receptor CB2 exerts antifibrotic effects in experimental dermal fibrosis  
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SEBACEOUS GLANDS


SEPTIC SHOCK

Protection Against Septic Shock and Suppression of Tumor Necrosis Factor α and Nitric Oxide Production by Dexamabinol (HU-211), a Nonpsychotropic Cannabinoid (full - 1997) http://jpet.aspetjournals.org/content/283/2/918.full


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The cannabinoid receptor 2 is critical for the host response to sepsis. (full – 2009) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2763235/?tool=pubmed

Cannabinoid-induced apoptosis in immune cells as a pathway to immunosuppression. (full - 2010) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3005548/?tool=pubmed
Treatment with cannabidiol reverses oxidative stress parameters, cognitive impairment and mortality in rats submitted to sepsis by cecal ligation and puncture. (abst - 2010)

Cannabidiol reduces lipopolysaccharide-induced vascular changes and inflammation in the mouse brain: an intravital microscopy study (full – 2011)
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The endocannabinoid system in sepsis – a potential target to improve microcirculation? (full – 2011)

Cannabinoid receptor 2 activation reduces intestinal leukocyte recruitment and systemic inflammatory mediator release in acute experimental sepsis (full – 2012)
http://ccforum.com/content/16/2/R47


Inhibition of endocannabinoid degradation in experimental endotoxemia reduces leukocyte adhesion and improves capillary perfusion in the gut. (abst – 2013)

SICKLE CELL DISEASE

Cannabis use in sickle cell disease: a questionnaire study. (abst - 2005)

Medical use of cannabis in sickle cell disease (news - 2005)
http://www.chanvre-info.ch/info/it/Medical-use-of-cannabis-in-sickle.html

The prevalence of marijuana smoking in young adults with sickle cell disease: a longitudinal study (full - 2006)

Marijuana Use Prevalent Among Sickle Cell Patients (news - 2007)
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Marijuana Use and Sickle Cell Disease (abst - 2008)
http://abstracts.hematologylibrary.org/cgi/content/abstract/112/11/4826?maxtoshow=&hits=80&RESULTFORMAT=&fulltext=cannabinoid&searchid=1&FIRSTINDEX=1840&resourcetype=HWCT
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New Era Dawns on Sickle Cell Pain  (full - 2010)
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Pain related behaviors and neurochemical alterations in mice expressing sickle hemoglobin: modulation by cannabinoids.  (full - 2010)
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UM researcher identifies novel treatment for pain in sickle cell disease  (news – 2010)


SINUSITIS

HEMP AS A MEDICAMENT : Cannabis indica in oto-rhino-laryngology  (full - 1955)
http://www.bushka.cz/KabelikEN/otorhino.html

Medical Marijuana and Sinusitis  (news – 2009)
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SLEEP APNEA

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Circulating endocannabinoids and N-acyl-ethanolamides in patients with sleep apnea--specific role of oleoylthanolamide.  (abst – 2010)


**SLEEPING SICKNESS/ TRYPANOSOMIASIS**


**SLEEP MODULATION**

Effect of cannabis and certain of its constituents on pentobarbitone sleeping time and phenazone metabolism (full - 1972) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1666020/

Therapeutic aspects of cannabis and cannabinoids. (full - 2001) http://bjp.rcpsych.org/cgi/content/full/178/2/107


The cannabinoids R(-)-7-hydroxy-delta-6-tetra-hydrocannabinol-dimethylheptyl (HU-210), 2-O-arachidonoylglycerolether (HU-310) and arachidonyl-2-chloroethylamide

THC reduces sleep apnoea in animal research  (news - 2002)  http://www.cannabis-med.org/english/bulletin/ww_en_db_cannabis_artikel.php?id=120#1


The role of the CB1 receptor in the regulation of sleep. (abst – 2008)  

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(abst - 2008)  
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The Effects of Nabilone on Sleep in Fibromyalgia: Results of a Randomized Controlled Trial. (full - 2009)  
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Medical Marijuana and Persistent Insomnia  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/52?ailment=persistent-insomnia

Medical Marijuana and Sleep Disorders  (news – 2009)  
https://www.marijuanadoctors.com/content/ailments/view/177?ailment=sleep-disorders

Smoked cannabis for chronic neuropathic pain: a randomized controlled trial  
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Endocannabinoid signalling: has it got rhythm?  (full – 2010)  
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Sleep and Medicinal Cannabis  (abst - 2010)  

Oleoylethanolamide affects food intake and sleep-waking cycle through a hypothalamic modulation.  (abst – 2010)  

Study: Smoking pot may ease chronic pain  (news - 2010)  

Administration of URB597, oleoylethanolamide or palmitoylethanolamide increases waking and dopamine in rats.  (full – 2011)  
http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3136458/?tool=pubmed
A Pilot Study into the Effects of the CB1 Cannabinoid Receptor Agonist WIN55,212-2 or the Antagonist/Inverse Agonist AM251 on Sleep in Rats (full – 2011)  
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Effect of cannabidiol on sleep disruption induced by the repeated combination tests consisting of open field and elevated plus-maze in rats. (abst – 2011)  

Effects on sleep and dopamine levels of microdialysis perfusion of cannabidiol into the lateral hypothalamus of rats. (abst – 2011)  

Medical marijuana turns former soldier's life around (news – 2011)  

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A Randomized, Double-Blind, Placebo Controlled, Parallel Assignment, Flexible Dose, Efficacy Study of Nabilone as Adjuvant in the Treatment of Diabetic Peripheral Neuropathic Pain Using an Enriched Enrollment Randomized Withdrawal Design (S38.003) (abst – 2012)  
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Neuromodulators for pain management in rheumatoid arthritis (abst – 2012)  

Do we know if marijuana or narcotics adversely affect sleep? (news – 2012)  

Effects of acute systemic administration of cannabidiol on sleep-wake cycle in rats. (abst – 2013)  

**SMALLPOX** (also see COW POX)

Cannabinoids lead to enhanced virulence of the smallpox vaccine (vaccinia) virus. (abst – 2011)  
http://www.unboundmedicine.com/medline/ebm/record/21131094/abstract/Cannabinoids_lead_to_enhanced_virulence_of_the_smallpox_vaccine_vaccinia_virus
SMELL / ODOR DETECTION


Cannabinoid action in the olfactory epithelium (full – 2007) http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1815290/?tool=pubmed

The endocannabinoid 2-arachidonoyl-glycerol controls odor sensitivity in larvae of Xenopus laevis. (full – 2010) http://www.jneurosci.org/content/30/26/8965.long


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Cannabinoid receptor-mediated regulation of neuronal activity and signaling in glomeruli of the main olfactory bulb. (full – 2012) http://www.jneurosci.org/content/32/25/8475.long

SMOKED CANNABIS AS A MEDICATION

CANNABIS AND MARINOL IN THE TREATMENT OF MIGRAINE HEADACHE (full - undated) http://www.druglibrary.org/schaffer/hemp/migrn2.htm


Effects of smoked marijuana in experimentally induced asthma.  (full - 1975)  http://www.ukcia.org/research/InducedAsthma/index.php


Comparison of effects of marihuana cigarettes of three different potencies  (full - 1982)  http://www.nature.com/clpt/journal/v31/n5/pdf/clpt198286a.pdf


Effects of delta 9-THC on marijuana smoking, dose choice, and verbal report of drug liking.  (full - 1994)  http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1334408/?tool=pubmed


Marijuana Smoking vs Cannabinoids for Glaucoma Therapy  (full - 1998)  http://archopht.ama-assn.org/cgi/content/full/116/11/1433


A Dramatic Response to Inhaled Cannabis in a Woman with Central Thalamic Pain and Dystonia  (full - 2002)  http://www.jpsmjournal.com/article/PII/S0885392402004268/fulltext

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TEETH / DENTISTRY

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**URB - 597 / KDS-4103** - slows cannabinoid destruction in the body, not the brain.

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**VISION** - also see GLAUCOMA

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