

Welcome to LongevityTesting.com and our first topic

Patented Herbal Cancer Treatments

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Patented Herbal Cancer Treatments

Using this pdf you can overcome two of your road blocks to Health Survivalist:

#1 You will know you have a choice

#2 You will no longer doubt the possibility of success.

If a person will make the right lifestyle changes and take the proper herbs there is no disease that can not be cured. We only have to be sure our choice of intervention is working and let nature and our self healing system do the curing.

In my opinion no one should die from cancer or other disease. What has been kept from us is the knowledge of safer herbal treatments and our ability to switch out of an ineffective intervention in time to find an effective one. Why should one herbal formula or extract cure everyone? Many drugs work on only 10% of patients and can have serious side effects on everyone.

Background Information on US Patent Usage

Herbal treatments and interventions have been practiced for centuries. Herbs are produced in nature by plants as opposed to drugs being manufactured in a pharmaceutical facility. Herbs are a very complex and interacting combination of compounds and as a natural product, are generally not patentable. Pharmaceuticals are a highly purified form of one or more natural or synthetic compounds.

Pharmaceutical companies need investment to be successful, and investors want assurances the new products can generate a significant return on their investment. U.S. companies are driven to identify the most active chemical compounds to take through the very complex patent and drug approval processes. Hence, these companies use the U.S. patent process to reassure investors and protect their product in the marketplace.

Pharmaceutical companies turn the historic herbal knowledge base into patented drugs by;

Purifying the herb from its natural state using patented processes,

Using rare sources of herbs in their compounds and processes,

Isolating the “most active” herbal components into a new product'

Creating derivatives of the isolated components to “reduce the side effects” or “improve effectiveness”, and

Linking the active components to specific diseases or methods of action.

All of these techniques are used to generate families of patents to increase the company’s number one priority, profitability and return on investment. Individual treatment outcomes take a much lower priority.

Additional Information

To find additional information contained in these US Patents

Enter Patent Number at this site for full US Patent

<http://patft.uspto.gov/netahtml/PTO/srchnum.htm>

I suggest browsing through the pdf and taking note of the inserted text. It is placed there to more clearly identify 'what they are talking about'.

You will see I found extensive information about Chaparral (approved as drug Masoprocol and called NDGA) and how it was promoted as an Eschartic Salve. The first patent for that type of product was in 1869. With new laboratory testing methods other clinical uses were identified for Chaparral. The manufacturer took it off the US market, while leaving it available to the worldwide market in June 1996. These were actions of the manufacturer; not a recall by the FDA. No other herbal product has gone through the FDA with a similar Cancer claim.

Many of the herbs used in these patents are the same herbs Dr. John R. Christopher used in his Cancer Formulas. These are available at the navigation side bar.

Modification of plant extracts from zygophyllaceae and pharmaceutical use

US Patent 4,774,229

Jordan

September 27, 1988

[What you need to know - Zygophyllaceae is a family of flowering plants that **includes around 285 species - The example used is Chaparral**]

Abstract - A mixture of an extract from a plant belonging to the Zygophyllaceae family containing phenolic compositions and a nonalkali metal salt is useful as a pharmaceutical agent, for example, in the treatment of cancer, nonmalignant tumors, osteomyelitis, psoriasis and warts.

Inventors: Jordan; Russell T. (Fort Collins, CO)

Assignee: Chemex Pharmaceuticals, Inc. (Denver, CO)

Indigenous Ethnobotanical Origins Are Shown to Be Superior.

Escharotics' origins -- that is, if anyone at all is to get credit for their discovery -- go back to indigenous and aboriginal sources. Nothing is more embarrassing to modern science than the admission that we have spent many hundreds of billions of dollars on a project, and still we cannot improve upon the advice of medicine men

Treatment of multidrug resistant diseases in cancer ...with masoprocol

US Patent 5,409,690 Howell, et al. April 25, 1995

[What you need to know - this is only herb approved by the FDA to treat cancer - **Chaparral**]

Inventors: Howell; Stephen (Del Mar, CA), Khandwala; Atul (Edgewater, NJ), Sachdev; Om P. (New City, NY), Smith; Charles G. (Rancho Santa Fe, CA)

Assignee: Chemex Pharmaceuticals, Inc. (Fort Lee, NJ)

[Chemex Pharmaceuticals, Inc. was incorporated in Wyoming in 1974 as Chemex Corporation and in 1983 the name was changed to Chemex Pharmaceuticals, Inc. , with state of incorporation changed from Wyoming to Delaware on June 30, 1989. In June 1996 it merged with Access Pharmaceuticals, Inc., a private Texas corporation, and at the time of the **merger Masoprocol was taken off the US market.**]

J Chromatogr A. 1996 Jan 8;719(2):353-64. Isolation of anti-HIV-1 lignans from Larrea tridentata [**Chaparral**] ... <http://www.ncbi.nlm.nih.gov/pubmed/8581122>

Eur J Pharmacol. 1998 Apr 3;346(1):77-9. Masoprocol (nordihydroguaiaretic acid): a new antihyperglycemic agent isolated from the creosote bush (Larrea tridentata).

[**Chaparral as a new drug for type 2 diabetes.**]

<http://www.ncbi.nlm.nih.gov/pubmed/9617755>

Description of Masoprocol for Cancer

<http://www.cancer.gov/publications/dictionaries/cancer-terms?cdrid=523329>

Sources that validate its use as a treatment for many diseases.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=masoprocol>

<http://www.ncbi.nlm.nih.gov/pubmed> is the National Library of Medicine within the National Institute of Health - has **1,435 references** to this cancer drug that was taken off the market in the US after a "buyout" in June 1996 as the only herb approved to treat cancer {Chaparral} by the FDA.

Chemical Information along with 92 synonyms used around the world for Chaparral extract.

<https://pubchem.ncbi.nlm.nih.gov/compound/71398#section=MeSH-Synonyms>

Herbal treatment of malignancy

US Patent 5,437,866 Sun August 1, 1995

Abstract

A protocol using natural extracts which permit amelioration of malignancies in humans is disclosed. The protocol mandatorily includes an extract of *Lentinus edodes* [**Shiitake Mushroom**] and mung beans, and optionally further includes the combined extract of *Hedyotis diffusa* [**Oldenlandia is a plant that originates in China**] and *Scutellaria barbata* [**Scutellaria barbata is an herb that grows in Korea and southern China - The US version is Skullcap**].

Treatment of multidrug resistant diseases

US Patent 5,541,232 Howell, et al. July 30, 1996

**Please see images for: (Certificate of Correction) **

Abstract

A method and composition for treating multidrug resistance in a mammal, in which the composition includes NDGA or an analog of NDGA... [Source **Chaparral** to make new chemicals that are included in this patent].

Inventors: Howell; Stephen (Del Mar, CA), Khandwala; Atul (Edgewater, NJ), Sachdey; Om P. (New City, NY), Smith; Charles G. (Rancho Santa Fe, CA)

Assignee: Chemex Pharmaceuticals, Inc. (Tarrytown, NY)

Herbal composition for treating prostate carcinoma

US Patent 5,665,393 Chen, et al.

September 9, 1997

Abstract

A composition comprising material from the following herbs: Panax pseudo-ginseng Wall[**Ginseng from China**], Isatis Indigotica Fort, Ganoderma lucidum Karst[**Lingzhi mushroom**], Dendranthema morifolium Tzvel[**Chrysanthemum**], Glycyrrhiza glabra L.[**Licorice**], Scutellaria baicalensis Georgi[**Skullcap**], Rabdosia rubescens, Serenoa repens[**Saw Palmetto**]...

Inventors: Chen; Sophie (Millwood, NY), Wang; Xuhui (Shanghai, CN)

Assignee: International Medical Research, Inc. (Brea, CA)

Anti-viral, anti-bacterial and anti-cancer agent

US Patent 5,814,319 Nakano September 29, 1998

Abstract

An anti-viral, anti-bacterial, and anti-cancer agent comprising as the effective component, an alkali extraction of *Aspalathus linearis* [**Roibos**] which is preferably obtained after extraction by hot water. The agent serves to treat and prevent bacterial infections; to treat and prevent cancer; and to treat or prevent viral infection, for example, infection caused by retroviruses, such as human T-cell leukemia and the AIDS virus. **The agent has no side effects.**

Inventors: Nakano; Masatoshi (Chiryu, JP)

Assignee: Mitsui Norin Co., Ltd. (Tokyo, JP)

Arglabin compounds and therapeutic uses thereof

US Patent 5,902,809 Adekenov May 11, 1999

Abstract

The invention provides various derivatives of arglabin, a sesquiterpene lactone isolated from *Artemisia glabella* [**Wormwood**]. These compounds are effective for suppressing tumor growth in mammals. A method of suppressing tumor growth in humans is also described.

Inventors: Adekenov; Sergazy M. (Karaganda, KZ)

Assignee: Paracure, Inc. (Virginia Beach, VA)

Methods for treating cancer with legume plant extracts

US Patent 6,004,558 Thurn, et al. December 21, 1999

**Please see images for: (Certificate of Correction) **

Abstract

The present invention relates to the preparation of therapeutic compositions comprising extracts of leguminous plants from which the isoflavones genistein, daidzein, formononetin and biochanin and/or their glycosides have been removed. The invention also relates to therapeutic uses of such extracts in the treatment, prophylaxis, amelioration of, or defense against a variety of cancers. **[The example provided is Red Clover]**

Inventors: Thurn; Michael Joseph (New South Wales, AU), Huang; Li Jiu (New South Wales, AU)

Assignee: Novogen, Inc. (Wilmington, DE)

Treatment of HPV induced cancer ...

US Patent 6,214,874 Huang, et al. April 10, 2001

Abstract

A method for using nordihydroguaiaretic acid derivatives[**Source Chaparral**], in particular tetramethyl nordihydroguaiaretic acid and tetraglycinal nordihydroguaiaretic acid, for the localized treatment of tumors induced by human papillomavirus.

Inventors: Huang; Ru Chih C. (Baltimore, MD), Heller; Jonathan D. (Dundalk, MD)

Assignee: John Hopkins University (Baltimore, MD)

Method of preparing and using isoflavones

US Patent 6,261,565 Empie , et al. July 17, 2001

Abstract

The invention provides for a refinement of phytochemicals in order to tailor the refined end product to particular human dietary needs. More particularly, a composition is prepared by extracting phytochemicals from plant matter. This composition is enriched preferably in two or more isoflavones, lignans, saponins, catechins and phenolic acids. **Soy** is the preferred source of these chemicals; however, other plants may also be used, such as **red clover, kudzu, flax, and cocoa**. The composition is a dietary supplement for treatment of various cancers, pre-and-post-menstrual syndromes, and various other disorders.

Inventors: Empie; Mark (Forsyth, IL), Gugger; Eric (Latham, IL)

Assignee: Archer Daniels Midland Company (Decatur, IL)

Plant drug for preventing cancer II

US Patent 6,290,995 Xinxian September 18, 2001

Abstract

This invention relates to new safe natural drug, which is prevention of cancer and control of cancer cells. Specifically, this invention provides methods for producing of Berberine and Baicalin[**Source Skullcap**]. Also, the present invention proved a new radioimmunoassay (RIA) method for precise determination of Berberine and Baicalin. The RIA is an efficient analytical method for large clinical programs including double blind analysis (DBA), and good clinical practice (GCP)

Nordihydroguaiaretic derivatives for use in treatment of tumors

US Patent 6,417,234 Huang, et al. July 9, 2002

Abstract

Nordihydroguaiaretic[**Source Chaparral**] acid derivatives and methods of use thereof for the treatment of tumors.

Inventors: Huang; Ru Chih C. (Baltimore, MD), Heller; Jonathan D. (Dundalk, MD), Hwu; Jih Ru (Hsinchu, TW), King; Ke Yung (Hsinchu, TW)

Assignee: Johns Hopkins University (Baltimore, MD)

Anti-cancer compounds [Source is different species of Milkweed]

US Patent 6,432,452 Aylward August 13, 2002

**Please see images for: (Certificate of Correction) **

Abstract

This invention relates to a compound or group of compounds present in an active principle derived from plants of the species *Euphorbia peplus*, *Euphorbia hirta* and *Euphorbia drummondii*, and to pharmaceutical compositions comprising these compounds. Extracts from these plants have been found to show selective cytotoxicity against several different cancer cell lines. The compounds are useful in effective treatment of cancers, particularly malignant melanomas and squamous cell carcinomas (SCCs). In a preferred embodiment of the invention, the compound is selected from the group consisting of jatrophanes, pepluanes, paralianes and ingenanes, and pharmaceutically-acceptable salts or esters thereof, and more particularly jatrophanes of Conformation II.

Inventors: Aylward; James Harrison (St. Lucia, AU)

Assignee: Peplin Biotech Pty. Ltd. (Fortitude Valley, AU)

Method for treatment of tumors using NDGA derivatives

US Patent 6,608,108 Huang, et al. August 19, 2003

**Please see images for: (Certificate of Correction) **

Abstract

Use of nordihydroguaiaretic derivatives[**Source is Chaparral**] to suppress CDC-2 and survivin, stimulate apoptosis, and treat tumors.

Inventors: Huang; Ru Chih C. (Baltimore, MD), Heller; Jonathan D. (Dundalk, MD), Chang; Chih-Chuan (Baltimore, MD)

Assignee: Johns Hopkins University (Baltimore, MD)

Use of lipoxygenase inhibitors and PPAR ligands as anti-cancer ...

US Patent 6,756,399 Mulshine, et al. June 29, 2004

**Please see images for: (Certificate of Correction) **

Abstract

The present invention provides a method for treating and preventing an epithelial cell-derived cancer in a subject in need thereof, comprising administering to the subject an amount of a 5-lipoxygenase inhibitor and PPAR ligand or derivatives thereof, effective to treat or prevent the epithelial cell-derived cancer. **[This patent uses method of action to define what is patented instead of naming a source material]** Also encompassed by the invention are inhibitors of enzymes that metabolize arachidonic acid.

Inventors: Mulshine; James L. (Bethesda, MD), Jett; Marti (Washington, DC)

Assignee: The US of America as represented by the Department of Health and Human Services (Washington, DC)

N/A (Washington, DC)

The US of America as represented by the Secretary of the Army (N/A)

Method of preparing and using compositions extracted from vegetable matter for the treatment of cancer

US Patent 6,900,240 Empie , et al. May 31, 2005

**Please see images for: (Certificate of Correction) **

Abstract[Slight modification of #6,261,565 issued 2001]

A composition is prepared by extracting and isolating phytochemical fractions from plant matter for treatment of cancer and especially for breast, prostate, skin, colon, urinary and bladder cancer. The composition is enriched preferably with two or more different phytochemical fractions, namely, isoflavones, lignans, saponins and saponogenins, catechins, and phenolic acids. The two selected fractions are different from each other and are combined specifically to form a composition to treat cancer. **Soy is the preferred source of these phytochemicals; however, other plants may also be used, such as wheat, psyllium, rice, oats, red clover, kudzu, alfalfa, flax, and cocoa.** The composition may be delivered in an easy to use or consume form, such as creams, pills, tablets, capsules, dry powder, health bars, food ingredients and supplements, tablets, soft gels, and the like.

Inventors: Empie; Mark (Forsyth, IL), Gugger; Eric (Latham, IL)

Assignee: Archer-Daniels-Midland Company (Decatur, IL)

Anti-neoplastic drug

US Patent 6,911,221 Li June 28, 2005

**Please see images for: (Certificate of Correction) **

[Chinese herb mix - many with US herb varieties]

Abstract

A unique class of anti-neoplastic compositions are described. The compositions contain certain Chinese medicinal herbs: **Panax ginseng, Poria cocos, Atractylodes macrocephala, Angelic sinensis, Astragalus membranaceus, Curcuma zedoaria, Scutellaria baicalensis, Coptis chinensis, Glycyrrhiza uralensis, Crataegus pinatifida, Hordeum vulgare, Schisandra chinensis, Hedyotis diffusa, Ophiophogon japonicus, and Lobelia chinensis** lour. Extensive testing indicates an effective treatment rate of 69.7% and 84.3% when used in combination with radiotherapy or chemotherapy. The animal trials conducted demonstrate that the anti-neoplastic compositions increase the activity of NK cells, and reduce and prevent metastasis of tumors under stress conditions.

Nordihydroguaiartic derivatives for use in treatment of tumors

US Patent 6,958,411 Huang, et al. October 25, 2005

Abstract[**Slight modification of #6,417,234 issued 2002**]

Nordihydroguaiaretic acid derivatives[**Source is Chaparral**] and methods of use thereof for the treatment of tumors.

Inventors: Huang; Ru Chih C. (Baltimore, MD), Heller; Jonathan D. (Dundalk, MD), Hwu; Jih Ru (Hsinchu, TW), King; Ko Yung (Hsinchu, TW)

Assignee: Johns Hopkins University (Baltimore, MD)

Method for cancer therapy using herbal extracts

US Patent 7,416,746 Grandics, et al. August 26, 2008

Abstract

A new method is described for the treatment of cancer. In one alternative, the method utilizes two main compositions. The first composition is Soma [**A variety of Milkweed**], a healing herb described in the Rig Veda, the sacred scriptures of the Hindus. The second composition is a composite of plant-derived substances and a mineral. When they are administered to cancer patients following the recommended therapeutic regimen, regression of the cancer results. Alternatively, the second composition can be used alone.

...(b) **a mixture of milk, plant derivatives and a mineral comprising: (i) apple cider vinegar; (ii) quinine; (iii) blackstrap molasses; (iv) sulfur; and (v) whole milk;** wherein the aqueous extract of Soma, the apple cider vinegar, the quinine, the blackstrap molasses, and the sulfur are each present in a sufficient quantity so that the resulting composition has a therapeutic effect against cancer....

A safe and effective cancer treatment has been the goal of scientists for many decades. Such a technique must be selective in destroying the cancer cells without irreversibly damaging normal cells. It is well established that cancer is continually produced in the human body but is kept in check by the immune system. Only when the immune system is weakened can cancer establish itself. Therefore, it would be desirable to develop methods that restore the healing ability of the body so cancer would be eliminated naturally by the immune system.

Herbal compositions useful in cancer treatment

US Patent 7,455,862 Tsim, et al.

November 25, 2008

Abstract [**Mix of Chinese Herbs**]

A herbal composition containing *Curcuma kwangsiensis* (Ezhu), *Herba Dendrobii nobile* Lindl. (Shihu), *Rhizoma Pinelliae preparatum* (Fabanxia), *Rhizoma Typhonii* (Baifuzi) and other optional herbs. The composition can be processed into a form for administering to human patients with a cancerous disease for improving their health.

Inventors: Tsim; Wah Keung Karl (Hong Kong, CN), Li; Xiao Yi (Hong Kong, CN)

Assignee: Lee's Pharmaceutical (Hong Kong) Limited (Hong Kong, CN)

Methods for treating prostate cancer with herbal compositions

US Patent 7,470,440 Newmark, et al. December 30, 2008

**Please see images for: (Certificate of Correction) **

Abstract

The inventive subject matter relates to methods for treating prostate cancer, comprising administration of a composition comprising therapeutically effective amounts of supercritical extracts of rosemary, turmeric, oregano and ginger; and therapeutically effective amounts of hydroalcoholic extracts of holy basil, ginger, turmeric, Scutellaria baicalensis[**Skullcap**], rosemary, green tea, huzhang [**Japanese knotweed, or polygonum cuspidatum in scientific name and Hu Zhang in mandarin**], Chinese goldthread, and barberry.

Inventors: Newmark; Thomas (St. Louis, MO), Schulick; Paul (Brattleboro, VT), Katz; Aaron (New York, NY)

Assignee: New Chapter, Inc. (Brattleboro, VT)

Composition comprising triterpene saponins ...

US Patent 7,488,753 Chan, et al. February 10, 2009

**Please see images for: (Certificate of Correction) **

[Herb whose extract provides these properties is Yellowhorn, a chinese tree]

Abstract

This invention provides composition comprising a triterpenoidal saponin, comprising two side groups attached to carbon 21, and 22 of triterpenoidal saponin backbone. This invention provides a composition for inhibiting skin or ovarian tumor cell growth, comprising an appropriate amount of said compound.

Composition comprising Xanthoceras sorbifolia [Yellowhorn] extracts ...

US Patent 7,524,824 Chan, et al. April 28, 2009

**Please see images for: (Certificate of Correction) **

Abstract

This invention provides compositions, methods and process of producing extracts from Xanthoceras sorbifolia. The extract comprises alkaloids, coumarins, saccharides, proteins, polysaccharides, glycosides, saponins, tannins, acid, flavonoids and others. The composition can be used for treating breast, leukocyte, liver, ovarian, bladder, prostate, bone or brain cancer. This invention provides compounds comprising at least one sugar, a triterpene, such as Sapogenin, and at least one side chains at Carbon 21 and 22, such as Angeloyl groups. The compounds of the present have various pharmaceutical and therapeutic applications, including treating breast, leukocyte, liver, ovarian, bladder, prostate, bone or brain cancer.

Inventors: Chan; Pui-Kwong (Sugarland, TX), Mak; May Sung (Hong Kong, CN), Wang; Yun (Dunedin, NZ)

Assignee: Pacific Arrow Limited (North Point, Hong Kong, CN)

Herbal composition PHY906 and its use in chemotherapy

US Patent 7,534,455 Cheng, et al. May 19, 2009

Abstract

This invention provides herbal compositions useful for increasing the therapeutic index of drugs, including those used in the treatment of disease, especially viral infections and neoplasms of cancer. This invention provides methods useful for improving the quality of life of an individual undergoing chemotherapy. Furthermore, this invention improves the treatment of disease by increasing the therapeutic index of chemotherapy drugs by administering the herbal composition PHY906 to a person undergoing such chemotherapy.

[PHY906 is based on the Huang Qin Tang herbal mixture, which was first described in Chinese texts 1800 years ago for treatment of numerous gastrointestinal symptoms, including diarrhea, nausea, and vomiting. The mixture consists of four herbs: Glycyrrhiza uralensis Fisch [**Licorice**] (G), Paeonia lactiflora Pall (P) [**Chinese peony or common garden peony**], Scutellaria baicalensis Georgi (S) [**Skullcap**], and Ziziphus jujuba Mill (Z)[**Jujuba Tree**]]

Inventors: Cheng; Yung-Chi (Woodbridge, CT), Liu; Shwu-Huey (Madison, CT)

Assignee: Yale University (New Haven, CT)

Methods for treating glioblastoma with herbal compositions

US Patent 7,622,142 Newmark, et al. November 24, 2009

Abstract

[Same herbs as #7,470,440 with different use]

The inventive subject matter relates to methods for treating glioblastoma, comprising administration of a composition comprising therapeutically effective amounts of supercritical extracts of rosemary, turmeric, oregano and ginger; and therapeutically effective amounts of hydroalcoholic extracts of holy basil, ginger, turmeric, *Scutellaria baicalensis* [**Skullcap**], rosemary, green tea, huzhang, Chinese goldthread, and barberry. The inventive subject matter further relates to methods for modulating gene expression of genes selected from the group consisting of interleukin-1.alpha., interleukin-1.beta., heme oxygenase 1, aldo-keto reductase family 1, member C2, colony stimulating factor 3, leukemia inhibitory factor, heat shock 70 kDa protein, and combinations thereof, by administration of an effective amount of said compositions.

Inventors: Newmark; Thomas (St. Louis, MO), Golubic; Mladen (Cleveland, OH), Schulick; Paul (Brattleboro, VT)

Assignee: New Chapter Inc. (Brattleboro, VT)

The Cleveland Clinic Foundation (Cleveland, OH)

Scutellaria barbata extract for the treatment of cancer

US Patent 7,700,136 Cohen April 20, 2010

Abstract

[Uses Skullcap , but with a unique method of action]

An extract of *Scutellaria barbata* D. Don is effective in the arrest of cancer cell growth in the G1 phase, the induction of apoptosis in cancer cells and the shrinking of solid cancers. The extract may be prepared as a pharmaceutical composition for administration to mammals for the treatment of solid cancers, such as epithelial cancers. Such epithelial cancers include breast cancer and ovarian cancers. The extract is obtained from *Scutellaria barbata* D. Don by contacting aerial portions of a plant from the species *Scutellaria barbata* D. Don with an aqueous or alcoholic solvent.

Inventors: Cohen; Isaac (Piedmont, CA)

Assignee: BioNovo, Inc. (Emeryville, CA)

Methods for delivery of catecholic butanes for treatment of tumors

US Patent 7,728,036 Huang, et al. June 1, 2010

Abstract

[Makes the patent using Chaparral unique by claiming how it is administered to patient]

The present invention provides kits, methods and compositions for the treatment of tumor and other proliferative diseases such as tumors. The compositions herein contain a substantially pure preparation of at least one catecholic butane, including, for example, NDGA compounds in a pharmaceutically acceptable carrier or excipient. The catecholic butane such as NDGA or its derivatives are administered to one or more subjects in need of treatment by a route other than direct injection into the affected tissues or topical application on affected tissues.

Inventors: Huang; Ru Chih C. (Baltimore, MD), Park; Richard (Baltimore, MD), Chang; Chih-Chuan (Baltimore, MD), Liang; Yu-Chuan (Baltimore, MD), Mold; David (Baltimore, MD), Lin; Elaine (New York, NY), Heller; Jonathan (Raleigh, NC), Frazer; Neil (Cary, NC)

Assignee: Erimos Pharmaceuticals, LLC (Houston, TX)

Johns Hopkins University (Baltimore, MD)

Methods for treating oral cancers with herbal compositions

US Patent 7,744,931 Newmark, et al. June 29, 2010

Abstract

[Same herbs as 7,470,440; but the claim is for Oral Cancer]

The inventive subject matter relates to methods for treating oral cancers, comprising administration of a composition comprising therapeutically effective amounts of supercritical extracts of rosemary, turmeric, oregano and ginger; and therapeutically effective amounts of hydroalcoholic extracts of holy basil, ginger, turmeric, *Scutellaria baicalensis*, rosemary, green tea, huzhang, Chinese goldthread, and barberry. ...

Inventors: Newmark; Thomas (Brattleboro, VT), Newman; Robert (Houston, TX), Yang; Peiyong (Sugar Land, TX), Schulick; Paul (Brattleboro, VT)

Assignee: New Chapter Inc. (Brattleboro, VT)

Board of Regents of the University of Texas System (Austin, TX)

Methods for treating glioblastoma with herbal compositions

US Patent 7,931,922 Newmark, et al. April 26, 2011

Abstract

[Same herbs as 7,622,142; but the claim has dosing instructions]

The inventive subject matter relates to methods for treating glioblastoma, comprising administration of a composition comprising therapeutically effective amounts of supercritical extracts of rosemary, turmeric, oregano and ginger; and therapeutically effective amounts of hydroalcoholic extracts of holy basil, ginger, turmeric, *Scutellaria baicalensis*, rosemary, green tea, huzhang, Chinese goldthread, and barberry. ...

Inventors: Newmark; Thomas (St. Louis, MO), Golubic; Mladen (Cleveland, OH), Schulick; Paul (Brattleboro, VT)

Assignee: New Chapter Inc. (Brattleboro, VT)

The Cleveland Clinic Foundation (Cleveland, OH)

Tyrosine kinase receptor antagonists ...treatment for breast cancer

US Patent 8,143,226 Goldfine , et al. March 27, 2012

Abstract

[Chaparral with Doxorubicin chemotherapy]

A method of treatment is disclosed whereby cancer cells are brought into contact with a formulation comprising an inhibitor of tyrosine kinase receptors. The formulation may be comprised of an injectable carrier and two or more tyrosine kinase receptor inhibitors which may be nordihydroguaiarectic acid (NDGA) and doxorubicin.

Inventors: Goldfine; Ira (San Francisco, CA), Kerner; John (San Francisco, CA), Maddux; Betty A. (San Francisco, CA), Campbell; Michael (Woodside, CA), Youngren; Jack F. (San Francisco, CA), Kushner; Peter (San Francisco, CA)

Assignee: The Regents of the University of California (Oakland, CA)

Compositions of botanical extracts for cancer therapy

US Patent 8,173,177 Dao, et al. May 8, 2012

Abstract

[Herbs as a complement to some form of cancer treatment]

Methods and compositions for prevention and therapy of cancer are provided. Compositions comprising therapeutically effective amounts of two or more of an extract of *Ganoderma lucidum* [**Reishi Mushroom**], an extract of *Salvia miltiorrhiza* [**Asian Red Sage**] and an extract of *Scutellaria barbata* [**Skullcap**] ... Embodiments further comprising therapeutically effective amounts of at least one chemotherapeutic agent are also provided.

Inventors: Dao; James (Henderson, NV), Dao; Tom C. S. (Bellevue, WA), Tong; David D. (Northridge, CA), Wilson; Leslie (Carpinteria, CA), Jordan; Mary Ann (Santa Barbara, CA), Gerwick; William (Corvallis, OR)

Assignee: Genyoux Biomed International Inc. (Henderson, NV)

Tetra-substituted NDGA derivatives ...

US Patent 8,178,527 Chen, et al. May 15, 2012

Abstract

[Specific way to chemically convert Chaparral into some unique compound]

Disclosed are nordihydroguaiaretic acid derivative compounds including various end groups bonded by a carbon atom or heteroatom through a side chain bonded to the respective hydroxy residue O groups by an ether bond or a carbamate bond, pharmaceutical compositions, methods of making them, and methods of using them and kits including them for the treatment of diseases and disorders, in particular, diseases resulting from or associated with a virus infection, such as HIV infection, HPV infection, or HSV infection, an inflammatory disease, such as various types of arthritis and inflammatory bowel diseases, a metabolic disease, such as diabetes, a vascular disease, such as hypertension and macular degeneration, or a proliferative disease, such as diverse types of cancers.

Inventors: Chen; Qingqi (Chapel Hill, NC), Lopez; Rocio Alejandra (Raleigh, NC), Heller; Jonathan Daniel (San Francisco, CA), Morris; Amanda Jean (Graham, NC)

Assignee: Erimos Pharmaceuticals LLC (Houston, TX)

Tetra-O-substituted butane-bridge modified NDGA derivatives ...

US Patent 8,232,277 Chen, et al. July 31, 2012

Abstract

[Specific way to chemically convert Chaparral into some unique compound]

The present invention relates to nordihydroguaiaretic acid derivative compounds, namely, butane bridge modified nordihydroguaiaretic acid (NDGA) compounds and butane bridge modified tetra-O-substituted NDGA compounds, pharmaceutical compositions containing them, methods of making them, and methods of using them and kits including them for the treatment of diseases and disorders, in particular, diseases resulting from or associated with a virus infection, such as HIV infection, HPV infection, or HSV infection, an inflammatory disease, such as various types of arthritis and inflammatory bowel diseases, metabolic diseases, such as diabetes and hypertension, or a proliferative disease, such as diverse types of cancers.

Inventors: Chen; Qingqi (Chapel Hill, NC), Heller; Jonathan Daniel (San Francisco, CA), Lopez; Rocio Alejandra (Raleigh, NC), Morris; Amanda Jean (Graham, NC)

Assignee: Erimos Pharmaceuticals LLC (Houston, TX)

Herbal composition PHY906 and its use in chemotherapy

US Patent 8,309,141 Liu, et al. November 13, 2012

Abstract

[Modification of earlier patent #7,534,455; same herbs used]

This invention provides herbal compositions useful for increasing the therapeutic index of chemotherapeutic compounds. This invention also provides methods useful for improving the quality of life of an individual undergoing chemotherapy. Furthermore, this invention improves the treatment of disease by increasing the therapeutic index of chemotherapy drugs by administering the herbal composition PHY906 to a mammal undergoing such chemotherapy.

Inventors: Liu; Shwu-Huey (Madison, CT), Jiang; Zaoli (Woodbridge, CT), Cheng; Yung-Chi (Woodbridge, CT)

Assignee: Yale University (New Haven, CT)

Method for treatment of tumors using nordihydroguaiaretic acid derivatives

US Patent 8,318,815 Huang, et al. November 27, 2012

Abstract

[Makes the patent using Chaparral unique by claiming it suppresses CDC-2 - a biochemical pathway]

Use of nordihydroguaiaretic derivatives to suppress CDC-2 and survivin, stimulate apoptosis, and treat tumors.

Inventors: Huang; Ru Chih C. (Baltimore, MD), Heller; Jonathan D. (Dundalk, MD), Chang; Chih-Chuan (Baltimore, MD)

Assignee: Johns Hopkins University (Baltimore, MD)

Herbal formulation for the treatment of bone fractures and osseous defects

US Patent 8,337,910 Avila December 25, 2012

Abstract

An herbal formulation including Symphytum Officinale [**Comfrey**] extract and Phytolacca Decandra [**Poke Root**] extract may be combined to treat bone fractures and osseous defects. Specifically, the herbal formulation provides for the regeneration of osseous tissue for treating bone defects such as imperfect osteogenesis, pseudo-arthritis infected or not, bone union delay of fractures, osteoporosis, **osseous tumors**, aneurismatic osseous cyst, and **myeloma multiple**.

Composition comprising Xanthoceras sorbifolia extracts...

US Patent 8,334,269 Chan, et al. December 18, 2012

Abstract

[Makes the patent using Yellowhorn unique by claiming new derivatives - similar to #7,524,824]

This invention provides compositions, methods and process of producing extracts from Xanthoceras sorbifolia. The extract comprises alkaloids, coumarins, saccharides, proteins, polysaccharides, glycosides, saponins, tannins, acid, flavonoids and others. The composition can be used for treating cancer, arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris, cardiac disorder, coronary heart disease, headache, dizziness, kidney disorder, impotence and premature ejaculation; for preventing cerebral aging; for improving memory, cerebral functions; or for curing enuresis, frequent micturition, urinary incontinence, dementia, weak intelligence and Alzheimer's disease, autism, brain trauma, Parkinson's disease or other diseases caused by cerebral dysfunctions, and treating arthritis, rheumatism, poor circulation, arteriosclerosis, Raynaud's syndrome, angina pectoris, cardiac disorder, coronary heart disease, headache, dizziness, kidney disorder. This invention provides compounds comprising at least one sugar, a triterpene, such as Sapogenin, and at least one side chains at Carbon 21 and 22, such as Angeloyl groups. The compounds of the present have various pharmaceutical and therapeutic applications.

Inventors: Chan; Pui-Kwong (Sugarland, TX), Mak; May Sung (Hong Kong, CN), Wang; Yun (Dunedin, NZ)

Assignee: Pacific Arrow Limited (Hong Kong, CN)

Cyclin-dependent protein kinases inhibitors of Scutellaria ...

US Patent 8,377,895 Zhang, et al. February 19, 2013

Abstract

[Method for the preparation of unique derivatives of Skullcap]

The present invention provides a series of cyclin-dependent protein kinases (Cdks) inhibitors, Scutellaria flavonoid organic amine derivatives, synthesis and use thereof. The preparation method is as follows: taking Baicalein (or Wogonin) from Scutellaria baicalensis as lead compound, mixing it with formaldehyde solution and organic amine compounds based on the molar ratio of 1:1-1.2:1-1.2, adding methanol of duplicate weight than baicalein and reacting at 50-70.degree. C., filtering the sediment and washing and then drying so as to get the product with a content of not less than 97% (weight). Similar to Flavopiridol and P276-00, the activity of baicalein organic amine derivatives inhibiting Cdks has an increase of 50 times compared with that of Baicalin. It can selectively induce apoptosis of the proliferative phase cancer cells, which has scarcely any influence to the normal structure, and it belongs to anticancer drugs of cell cycle inhibitor kind. The product has a rich source of raw materials and has simple process, high purity, low cost, clear metabolic mechanism, high efficiency and low toxicity, which can be made into oral preparations or injections together with acid salts and is expected to become high efficient and low toxicity anti-cancer and AIDS drugs.

Methods and compositions for treatment of intraepithelial neoplasia

US Patent 8,440,648 Frazer, et al. May 14, 2013

Abstract

[Using Chaparral extract; but the claim is for a unique form of cancer]

The present invention provides for compositions, kits and methods for treatment of intraepithelial neoplasia, where the compositions include catecholic butanes, which include NDGA derivatives.

Inventors: Frazer; Neil (Cary, NC), Heller; Jonathan (Raleigh, NC), Lopez; Rocio (Durham, NC), Rhodes; Melissa (Raleigh, NC), Huang; Ru Chih C. (Baltimore, MD), Dalby; Richard (Timonium, MD), Khanna; Niharika (Ellicott City, MD)

Assignee: Erimos Pharmaceuticals LLC (Houston, TX)

University of Maryland, Baltimore (Baltimore, MD)

Johns Hopkins University (Baltimore, MD)

Methods of detecting and treatment of cancers using Scutellaria barbata extract

US Patent 8,512,961 Cohen August 20, 2013

Abstract

[They claim a new use for Skullcap extract - Testing the effect Skullcap has on breast cancer biopsy tissue before providing Skullcap to patient]

An extract of Scutellaria Barbata D. Don is effective in the arrest of cancer cell growth. The extract of Scutellaria Barbata D. Don may be used as a therapeutic treatment for patients who have been identified as having cancer.

Inventors: Cohen; Isaac (Piedmont, CA)

Assignee: Bionovo, Inc. (Emeryville, CA)

Herbal formulations

US Patent 8,574,636 Maimon November 5, 2013

Abstract

[Complex mixtue of Chinese herbs]

Provided is a formulation including a variety of Chinese herbs for the treatment of a disease, such as cancer, and side effects associated with the treatment of the disease.

Inventors: Maimon; Yair N. (Ramat Gan, IL)

Assignee: Lifebiotic Medical Research Ltd (Tel-Aviv, IL)

Tetra-O-substituted butane-bridge modified NDGA derivatives ...

US Patent 8,691,845 Heller, et al. April 8, 2014

Abstract

[Makes the patent using Chaparral unique by claiming new derivatives - similar to #8,178,527]

The present invention relates to nordihydroguaiaretic acid derivative compounds, namely, butane bridge modified nordihydroguaiaretic acid (NDGA) compounds and butane bridge modified tetra-O-substituted NDGA compounds, pharmaceutical compositions containing them, methods of making them, and methods of using them and kits including them for the treatment of diseases and disorders, in particular, diseases resulting from or associated with a virus infection, such as HIV infection, HPV infection, or HSV infection, an inflammatory disease, such as various types of arthritis and inflammatory bowel diseases, metabolic diseases, such as diabetes and hypertension, or a proliferative disease, such as diverse types of cancers.

Inventors: Heller; Jonathan Daniel (San Francisco, FL), Chen; Qingqi (Chapel Hill, NC), Lopez; Rocio Alejandra (Raleigh, NC), Morris; Amanda Jean (Graham, NC)

Assignee: Erimos Pharmaceuticals LLC (Houston, TX)

Catecholic butanes and use thereof for cancer therapy

US Patent 8,710,104 White, et al. April 29, 2014

Abstract

[Makes the patent using Chaparral unique by claiming to overcome specific type of resistance]

The present application relates to compositions and methods for treating a proliferative disorder by administering to a subject a pharmaceutical composition of a dual kinase inhibitor. Catecholic butanes can serve as dual kinase inhibitors for purposes of methods described herein. Subjects can be further treated by co-administering an EGFR inhibitor. The present application also relates to analyzing a sample with respect to levels of IGF-1R and EGFR and comparing levels of IGF-1R and EGFR to a control. Patients can be selected for treatment with a catecholic butane based on the assessment; optionally, patients can be further treated with an EGFR inhibitor, an IGF-1R inhibitor, or both.

Inventors: White; Thomas F. (San Francisco, CA), Schnipper; Edward F. (Redwood City, CA), Hoth; Dan (San Francisco, CA)

Assignee: Triact Therapeutics, Inc. (San Francisco, CA)

Compounds for treating cancer and other diseases

US Patent 8,785,405 Chan, et al. July 22, 2014

Abstract

This invention provides a method of synthesizing new active compounds for pharmaceutical uses including cancer treatment, wherein the cancers comprise breast, leukocytic, liver, ovarian, bladder, prostatic, skin, bone, brain, leukemia, lung, colon, CNS, melanoma, renal, cervical, esophageal, testicular, splenic, kidney, lymphatic, pancreatic, stomach and thyroid cancers. This invention is an anti adhesion therapy which uses the compound as a mediator or inhibitor of adhesion proteins and angiopoietins. It inhibits excess adhesion and inhibits cell attachment. It modulates angiogenesis. The compounds also use as mediator of cell adhesion receptor, cell circulating, cell moving and inflammatory diseases.

[Example of how they hide their patent information - In another part of the patent they say it is about Yellowhorn extract derivatives]

A compound having the structure: ##STR00057## wherein R10 is selected from the group of CH2O-angeloyl, CH2O-tigloyl, CH2O-seneciroyl, CH2O-crotonoyl, CH2O-3,3-dimethylartyloyl, CH2O-cinnamoyl, CH2O-pentenoyl, CH2O-hexanoyl, CH2O-benzoyl, and CH2O-Ethylbutyryl; wherein R1, R2, R4, R5, and R8 are independently selected from the group of CH2OH, hydroxyl, O-angeloyl, O-tigloyl, O-seneciroyl, O-acetyl, O-crotonoyl, O-3,3-dimethylartyloyl, O-cinnamoyl, O-pentenoyl, O-hexanoyl, O-benzoyl, O-ethylbutyryl, CH2O-angeloyl, CH2O-tigloyl, CH2O-seneciroyl, CH2O-acetyl, CH2O-crotonoyl, CH2O-3,3-dimethylartyloyl, CH2O-cinnamoyl, CH2O-pentenoyl, CH2O-hexanoyl, CH2O-benzoyl, and CH2O-ethylbutyryl; wherein R3 is OH or H; wherein R9, R11, R12, R13, R14, and R15 are CH3.

Inventors: Chan; Pui-Kwong (Sugarland, TX), Mak; May Sung (Hong Kong, CN)

Assignee: Pacific Arrow Limited (CN)

Herbal composition and method of use for the treatment of cancer

US Patent 8,802,161 Mazzio, et al. August 12, 2014

****Please see images for: (Certificate of Correction) ****

Abstract

The invention describes a nutraceutical composition and method for preventing/treating cancer or augmenting chemotherapy in advanced stage malignancies; comprised of [1] tumoricidal herbs; beth root, galbanum, gromwell root, wild yam, balm of gilead bud, frankincense, [2] an antiproliferative herb; speranskia [3] a natural lactic acid dehydrogenase (LDH) inhibitor, 2',3,4'5,7-pentahydroxyflavone or cinnamon, [4] alkalizing agents: calcium, magnesium, potassium or bicarbonate salts, barley grass, chlorella and spirulina [5] at least one quinone and [6] at least one agent capable of maximizing oxidative mitochondrial function preferably riboflavin, 6,7-Dimethyl-8-(1-D-ribityl)lumazine, ribitol, 5,6-dimethylbenzimidazole, tetrahydrobiopterin and a pharmaceutically acceptable carrier.

Inventors: Mazzio; Elizabeth Anne (Tallahassee, FL), Soliman; Karam F (Tallahassee, FL)

Assignee: Florida Agricultural and Mechanical University (Tallahassee, FL)

Herbal composition for treating cancer

US Patent 8,858,953 Sheng

October 14, 2014

Abstract

[Complex mixtue of Chinese herbs]

An herbal composition and a method for treating cancer, especially for lung cancer, useful for enhancing the quality of life.

Inventors: Sheng; Yu-Hwa Peter (Cincinnati, OH)

Use of the combination of PHY906 and a tyrosine kinase inhibitor ...

US Patent 8,871,279 Cheng, et al. October 28, 2014

Abstract

[Making patient unique by claiming it helps a specific type of cancer with Sunitinib (drug)]

This invention provides herbal compositions useful for increasing the therapeutic index of chemotherapeutic compounds. This invention also provides methods useful for improving the quality of life of an individual undergoing chemotherapy. Furthermore, this invention improves the treatment of cancer by administering the herbal composition PHY906 in combination with one or more chemotherapeutic compounds to a mammal undergoing such chemotherapy.

... A method of treating gastrointestinal stromal tumors or renal cell carcinoma in a mammal comprising administering a therapeutically effective amount of i) an herbal preparation consisting essentially of *Scutellaria baicalensis*, *Glycyrrhiza uralensis*, *Ziziphus jujuba*, and *Paeonia lactiflora*; and ii) a chemotherapeutic formulation comprising sunitinib or the malate salt of sunitinib

Inventors: Cheng; Yung-Chi (Woodbridge, CT), Liu; Shwu-Huey (Madison, CT), Jiang; Zaoli (Woodbridge, CT), Tilton; Robert (Guilford, CT)

Assignee: Yale University (New Haven, CT)

Alcohol extract of dehulled adlay seeds for treating ...stomach cancer

US Patent 8,945,638 Chiang, et al. February 3, 2015

Abstract

The present invention provides a method for treating gastric ulcer and/or stomach cancer in a subject, which comprises administering to said subject an effective amount of an alcohol extract of dehulled adlay seeds [**Coix**]. Preferably, an ethyl acetate sub-fraction of the alcohol extract of dehulled adlay seeds has a better effect in treating gastric ulcer and/or stomach cancer.

Inventors: Chiang; Wenchang (Kaohsiung, TW), Kuo; Yueh-Hsiung (Kaohsiung, TW), Lin; Yun-Lian (Kaohsiung, TW), Chung; Cheng-Pei (Kaohsiung, TW)

Assignee: Joben Bio-Medical Co., Ltd. (Pingtung County, TW)

Tetra-substituted NDGA derivatives ...

US Patent 9,067,875 Chen, et al. June 30, 2015

Abstract

[Makes the patent using Chaparral unique by claiming new derivatives - similar to #8,232,277]

Disclosed are nordihydroguaiaretic acid derivative compounds including various end groups bonded by a carbon atom or heteroatom through a side chain bonded to the respective hydroxy residue O groups by an ether bond or a carbamate bond, pharmaceutical compositions, methods of making them, and methods of using them and kits including them for the treatment of diseases and disorders, in particular, diseases resulting from or associated with a virus infection, such as HIV infection, HPV infection, or HSV infection, an inflammatory disease, such as various types of arthritis and inflammatory bowel diseases, a metabolic disease, such as diabetes, a vascular disease, such as hypertension and macular degeneration, or a proliferative disease, such as diverse types of cancers.

Inventors: Chen; Qingqi (Chapel Hill, NC), Lopez; Rocio Alejandra (Raleigh, NC), Heller; Jonathan Daniel (San Francisco, CA), Morris; Amanda Jean (Graham, NC)

Assignee: ERIMOS PHARMACEUTICALS LLC (Houston, TX)

Suppression of cancer growth and metastasis using nordihydroguaiaretic acid derivatives with 7-hydroxystaurosporine

US Patent 9,101,567 Huang, et al. August 11, 2015

Abstract

[Chaparral with unique chemotherapy drug]

Disclosed is a composition comprising a derivative of NDGA and 7-hydroxystaurosporine. The composition can be in a unit dose form or kit. Also disclosed are methods for achieving cytotoxicity, particularly of rapidly dividing cells such as cancer, by administering a composition of the invention. In various embodiments of the invention subjects with cancer achieve prolonged survival and/or diminution in the size of their malignancies and cancer metastasis.

Inventors: Huang; Ru Chih C. (Baltimore, MD), Kimura; Kotohiko (Baltimore, MD)

Assignee: The Johns Hopkins University (Baltimore, MD)

...nordihydroguaiaretic acid derivatives with metabolic modulators

US Patent 9,149,526 Huang, et al. October 6, 2015

Abstract

[Specific derivative of Chaparral with one of four metabolic modulators]

Disclosed is a composition comprising a derivative of NDGA and at least one metabolic modulator. The composition can be in a unit dose form or kit. The composition can comprise at least two metabolic modulators. Also disclosed are methods for achieving cytotoxicity, particularly of rapidly dividing cells such as cancer, by administering a composition of the invention. In various embodiments of the invention subjects with cancer achieve prolonged survival and/or diminution in the size of their malignancies and cancer metastasis.

Inventors: Huang; Ru Chih (Baltimore, MD), Kimura; Kotohiko (Baltimore, MD)

Assignee: The Johns Hopkins University (Baltimore, MD)

Estrogenic extracts of Scutellaria barbata D. don of the labiatae family ...

US Patent 9,155,770 Cohen October 13, 2015

Abstract

[Treatment of a patient, which modulates the expression of a gene under control of an estrogen response element- estrogen sensitive cancer]

Extracts of various species of the Moraceae family have estrogenic properties. For example, aqueous and ethanolic extracts of Scutellaria barbata D. Don [**Skullcap**] of the Labiatae Family species possess estrogenic properties in both ER.alpha.+ and ER.beta.+ cells. These estrogenic effects include estrogen response element (ERE) stimulation as well as tumor necrosis factor (TNF) repression. Methods are provided for treating climacteric symptoms, breast and/or uterine cancer, and osteoporosis.

Inventors: Cohen; Isaac (Piedmont, CA)

Assignee: BIONOVO, INC. (Emeryville, CA)

Herbal extract and a method of treating liver cancer

US Patent 9,272,010 Chen, et al.

March 1, 2016

Abstract

[Blending extracts in a specific percentage of Antrodia cinnamomea [A Tiwan mushroom], Rhinacanthus nasutus [Snake Jasmine] and Phellinus linteus [Korean mushroom]]

The invention discloses an herbal extract of treating liver cancer, wherein a method of producing the herbal extract comprising the steps of: blending Antrodia cinnamomea, Rhinacanthus nasutus and Phellinus linteus and obtaining a mixture, wherein the weight percentages of Antrodia cinnamomea, Rhinacanthus nasutus and Phellinus linteus are 33.4 to 60%, 20 to 33.4% and 20 to 33.4% by weight of the mixture, respectively; soaking the mixture with a 95% ethanol solution with a weight-volume percentage being 50%, followed by extracting at 50 to 80.degree. C.; and concentrating the extracted product to obtain the herbal extract. The invention also discloses a method of treating liver cancer.

Inventors: Chen; Wei-Cheng (Taipei, TW), Lai; Mei-Chou (Taipei, TW), Liou; Shorong-Shii (Taipei, TW), Liu; I-Min (Taipei, TW)

Assignee: KINGLAND REAL ESTATE CO., LTD. (Taipei, TW)

Pharmacologically optimized multimodal drug delivery system for nordihydroguaiaretic acid (NDGA)

US Patent 9,314,437 Chaturvedi April 19, 2016

Abstract

[Claims unique delivery method for Chaparral extract]

The present invention relates generally to compositions and methods for oral delivery of nordihydroguaiaretic acid (NDGA). More particularly, the present invention relates to pharmacologically optimized multimodal drug delivery systems for orally administered NDGA and methods for preparation and use thereof.

Inventors: Chaturvedi; Pravin R. (Andover, MA)

Assignee: NAPO PHARMACEUTICALS, INC. (San Francisco, CA)

Cancer therapy

US Patent 9,381,246 White, et al. July 5, 2016

Abstract

[Claims Chaparral extract or derivative used with Platinum based drug]

The present application relates to compositions and methods for treating a proliferative disorder by administering to a subject a pharmaceutical composition of a dual kinase inhibitor. Catecholic butanes can serve as dual kinase inhibitors for purposes of methods described herein. Patients to be treated include those that have been treated with Tarceva or other therapeutic compounds and relapsed or are resistant to treatment. The compounds described herein may exhibit a synergistic effect when administered with another agent.

Inventors: White; Thomas F. (San Francisco, CA), Hoth; Dan (San Francisco, CA)

Assignee: Triact Therapeutics, Inc. (San Francisco, CA)