Biochemical nucleic acid fulvic acid oral liquid production method

Abstract

The invention discloses a biochemical nucleic acid fulvic acid oral liquid production method, which is prepared from biochemical nucleic fulvic acid as the principal raw material through preparation.

CN1565474A

China

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Other languages: Chinese

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Worldwide applications

2003 CN

Application CN 03149208 events

2003-06-16 Application filed by 陈伟, 高奎彬, 陈文乾

2003-06-16 Priority to CN 03149208

2005-01-19 Publication of CN1565474A

Status Pending

Info: Cited by (2), Legal events, Similar documents, Priority and Related Applications

External links: Espacenet, Global Dossier, Discuss

Claims (4)

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1, a kind of preparation method of biochemical nucleic acid fulvic acid oral liquid, it is characterized in that the tablet vinegar of 10-45 weight portion, the table sugar of 5-25 weight portion are put in the biochemical nucleic acid fulvic acid mixed liquor of 100 weight portions, produce through stirring → accent pH value → sterilization process and form.When producing biochemical nucleic acid fulvic acid mixed liquor, adopt the steamed operation of adjuvant wood flour.

2, the accent pH value operation used as the preparation method of claim 1 described biochemical nucleic acid fulvic acid oral liquid is characterized in that pH value is transferred to 3-5.5, and pH value is for a short time with mixed liquor, and pH value is tablet vinegar greatly;

3,, it is characterized in that with packaging container sealing behind vinegar, the sugared mixed liquor accent pH value, and use decocting in water, temperature to be controlled at 60-100 ℃ that the time was controlled at 15-60 minute as the used sterilization process of preparation method of claim 1 described biochemical nucleic acid fulvic acid oral liquid;

4, as the steamed operation of the used adjuvant wood flour of the preparation method of claim 1 described biochemical nucleic acid fulvic acid oral liquid, it is characterized in that water is steamed or boil the adjuvant wood flour, digestion time was controlled at 20-60 minute after water was opened round gas.

Description

A kind of preparation method of biochemical nucleic acid fulvic acid oral liquid

The invention belongs to medical manufacturing technology field.Be raw material specifically, produce the method that forms through batching → stirring → accent pH value → sterilization process with biochemical nucleic acid fulvic acid mixed liquor, tablet vinegar, table sugar.

Sodium humate shows at the report of medically using in succession, has antiviral, antibiotic, antiinflammatory, anticancer, anti-ly fastens, hemostasis, pain relieving, heavy metal detoxification, raising immunologic function.Can treat rheumatism, rheumatoid, scapulohumeral periarthritis, burn and scald, surgical infection, hemorrhoid hemorrhage through the clinical practice surgery; Department of dermatology can be treated eczema, verruca plana, foot gas; Ophthalmology can be treated corneal ulcer, keratitis; The department of stomatology can be treated ulcer, herpetic stomatitis, exodontia hemostasis, aphtha; Senile vaginitis, cervicitis, leukoplakia vulvae can be treated by gynecological; Digestive tract disease can be treated gastric and duodenal ulcers, gastrorrhagia, chronic enteritis, colitis, infantile diarrhea, infantile malnutrition; Tumor can be treated esophageal carcinoma, thyroid carcinoma, hepatocarcinoma, pulmonary carcinoma, renal carcinoma, colon cancer, and the pain relieving of above carninomatosis later stage is had remarkable effect; Internal medicine can be treated chronic bronchitis, pneumonia, pulmonary tuberculosis, pulmonary heart disease, anthraco-silicosis, bacillary dysentery, viral hepatitis, hypertension; Hemorrhage can be treated essential thrombocytopenia, hemorrhagic fever etc.

The sodium fulvate that utilizes biochemical process to produce is littler than sodium humate molecular weight, and is soluble in water, contains multiple functional group, and physiological and pharmacological is active high, and it is better to be used for clinical effectiveness.

Nucleic acid is the main matter basis of heredity, also is cell growth, differentiation, growth, the requisite material of protein synthesis.

Nucleic acid is the nutrient substance of human primary need.The theory short of money of the big flat Gui of Japan medical science doctor: " modern nutriology so-called three big nutrient saccharides, protein, fat are not real nutrient; really influencing the heterogamous material of cell should be nucleic acid; so with regard to human; the ordering first-selection of nutrition should be a nucleic acid, be saccharide, protein, fat secondly.

Nucleic acid can be prevented and treated multiple disease, and blood glucose is reduced, and heart disease, pneumonopathy illness are had good effect, but cholesterol reducing, improves arteriosclerosis, prevents cell ageing, makes the long-lived beauty treatment of people.

At present, China except that the production of biochemical nucleic acid fulvic acid mixed liquor is arranged, the nucleic acid that also has producer from plant such as Semen sojae atricolor, to extract, because plant amplifying nucleic acid content is low, the extraction process complexity, the nucleic acid content after the extraction is low, so listing back fetch long price allows a lot of prestiges and steps back.

Produce with fermentation method the success of sodium fulvate patent of invention solution low, the easy fouling of biochemical nucleic acid fulvic acid mixed liquid concentration, can not be medical shortcoming, produced the sodium fulvate solution that composition is single, concentration is high, can be medical.But in process of production active ingredients such as nucleic acid, aminoacid have been removed, made in clinical medicine is used deleterious and mouthfeel bad, a kind of abnormal flavour beastly has been arranged, be difficult to when oral swallow.

Purpose of the present invention just provides a kind of preparation method, biochemical nucleic acid fulvic acid mixed liquor is not fouled, there is not abnormal flavour, the energy long term storage, make biochemical nucleic acid fulvic acid mixed liquor become a kind of everybody like to drink, suit the taste of both old and young, cheap oral liquid, can orally cure the disease, can take body-building life-prolonging oral liquid for a long time again.

Production principle of the present invention is to utilize the death of microorganism high temperature, and the part microorganism is difficult for the way of breeding theory and steamed adjuvant wood flour under acid condition, solve the problem that mixed liquor easily fouls and abnormal flavour is arranged.

The primary raw material of producing oral liquid proposed by the invention is biochemical nucleic acid fulvic acid mixed liquor.The first, this mixed liquor has abnormal flavour, is difficult for when oral swallowing, and this abnormal flavour main source is that the adjuvant wood flour brings.Therefore,, take the way that the adjuvant wood flour is steamed for addressing this problem, in the steamed process, the multiple Organic substance that contains in the wood flour, what have is dissolved in the water, the decomposition that has, the evaporation that has.The second, this mixed liquor contains nucleic acid, aminoacid, is the best nutrition of microbial reproduction, therefore after sterilization, reduce the pH value of oral liquid, make to reach about 3-5.5, make the microorganism that remains in oral liquid under the environment of meta-acid, be difficult for breeding, can reach long term storage stay-in-grade purpose.

Produce the used raw material of biochemical nucleic acid fulvic acid oral liquid proposed by the invention and comprise biochemical nucleic acid fulvic acid mixed liquor, tablet vinegar, table sugar.

Wherein proportioning raw materials is:

Biochemical nucleic acid fulvic acid mixed liquor 100 weight portions

Tablet vinegar 10-45 weight portion

Table sugar 5-25 weight portion

Biochemical nucleic acid fulvic acid oral liquid reparation technology operating procedure of the present invention is as follows:

The first, steamed adjuvant: water is steamed or boil wood flour, and behind the boiled round gas of water steaming and decocting 20-60 minute, and prepare burden while hot;

The second, produce nucleic acid fulvic acid mixed liquor: carry out supplementary material batching → fermentation → lixiviate according to producing the sodium fulvate production method, produce out mixed liquor;

Three, batching stirs, transfers pH value: by proportioning of the present invention, tablet vinegar, sugared order are added in the mixed liquor, transfer pH value after fully stirring dissolving fully, remain on 3-5.5, pH value is for a short time with mixed liquor, and pH value is tablet vinegar greatly, and pH value mixes up sealing in the packaging container of back;

Four, sterilization: the container of good seal is carried out decocting in water, and water temperature remains on 60-100 ℃, and the time remained on 15-60 minute; After stopping heating, reduce to room temperature naturally.

The biochemical nucleic acid fulvic acid oral liquid that utilizes said method to produce, color is pitchy, and tart flavour is arranged, and sweet mouthfeel is as good as sense of taste, after testing, leading indicator: nucleic acid 〉=1.0%, fulvic acid 〉=5%, aminoacid 〉=0.5%.Be used for medicine, orally treat multiple disease, the normal phase that is used to keep healthy takes, preventable disease, and the long-lived beauty treatment of being healthy and strong, and without any side effects.Also can with the other drug hybrid combination, can play stabilizing agent, synergist or the slow releasing agent effect of other drug efficacy component, the health product that are the extraordinary pharmaceuticals of a kind of effect, match in excellence or beauty with ZHENAO HESUAN, be a kind of everybody like to drink, suit the taste of both old and young, the oral liquid of sweet and sour taste.

Because raw material is extensive, technology is simple, thus with low cost, be easy to vast low-income groups and accept.Particularly take for a long time, can improve immunity, can have opposing and inhibitory action, will play huge effect preventing and treating the SARS AIDS to multiple viruses such as herpes simplex virus, cytomegalovirus, epidemic cerebrospinal meningitis virus, HIV (human immunodeficiency virus).

Embodiment one

100 kilograms of biochemical nucleic acid fulvic acid mixed liquors

10 kilograms of tablet vinegar

10 kilograms of table sugar

The reparation technology step is as follows:

The first, the water wood flour of steaming in clear soup, the boiled gas circle of water back steaming and decocting 30 minutes, and prepare burden while hot;

The second, carry out supplementary material batching → fermentation → lixiviate by the sodium fulvate production method, produce out mixed liquor;

The 3rd, 10 kilograms of tablet vinegar, 10 kilograms of table sugar are put in 100 kilograms of mixed liquors, fully transferring pH value after the stirring and dissolving is 5.5, the bottling sealing;

The 4th, the bottle of good seal is carried out decocting in water, water temperature remains on 100 ℃, 15 minutes time, after stopping to heat, is cooled to room temperature naturally.

Embodiment two

100 kilograms of biochemical nucleic acid fulvic acid mixed liquors

30 kilograms of tablet vinegar

25 kilograms of table sugar

Embodiment three

100 kilograms of biochemical nucleic acid fulvic acid mixed liquors

45 kilograms of tablet vinegar

15 kilograms of table sugar

The technological operation step of embodiment two, three is with embodiment one.

Cited By (2)

Publication number	Priority date	Publication date	Assignee	Title
CN105832860A *	2016-05-04	2016-08-10	昆明理工大学	Fulvic acid oral liquid capable of resisting altitude stress and preparation method thereof
CN105998066A *	2016-06-28	2016-10-12	俞瑞山	Application method of sodium humate serving as orally taken medicine for curing stomach illness and gynecological inflammation
Family To Family Citations				

* Cited by examiner, † Cited by third party, ‡ Family to family citation

Similar Documents

Publication	Publication Date	Title
ES2270070T3	2007-04-01	IRON-DEXTRINE COMPOUND FOR THE TREATMENT OF IRON DEFICIENCY ANEMIA.
JP5355424B2	2013-11-27	A composition comprising an extract of Sinala scolimus and Feseola vulgaris useful in the treatment of obesity
US20100256090A1	2010-10-07	Alginic Acid with Low Molecular Weight, Its Salts, Uses, Preparative Methods, Pharmaceutical Compositions and Foods
CN101711858B	2012-11-14	Medicine for treating cancer
JP2004261119A	2004-09-24	Functional health food or beverage
CN101018557A	2007-08-15	Carbohydrase inhibitors derived from chestnut and use thereof
JP5128828B2	2013-01-23	Anti-inflammatory and antioxidant
CN1565474A	2005-01-19	Biochemical nucleic acid fulvic acid oral liquid production method
CN105687036A	2016-06-22	Rhizoma bletillae skin care product and method for preparing same
CN1939421A	2007-04-04	Antibacterial and antiviral Chinese medicinal composition
JP2008513379A	2008-05-01	Combination of polychitosamine and HMG-CoA reductase inhibitor for hyperlipidemia
CN1287693C	2006-12-06	Humic acid healthy drink and application of humic acid to drink
KR100448447B1	2004-09-13	Composition comprising the extract of grape seed having α-glucosidase inhibitory activity, the preparation method and the use thereof
KR100468429B1	2005-01-27	Extracts of pine having α- glucosidase inhibition activity and a extraction method thereof
CN102048134A	2011-05-11	Five-material vegetable nutraceutical and preparation method thereof
CN100484531C	2009-05-06	Donkey-hide gelatin oral preparation and its making method
CN110151746A	2019-08-23	A kind of preparation method of fructosyl amino acid nutrient solution
JPH07115942A	1995-05-09	Production of oligo drink and oligo jelly of herb medicine
CN110089759A	2019-08-06	A kind of Combizym food eaten suitable for Patients with Cardiovascular/Cerebrovascular Diseases
CN102225110A	2011-10-26	Propolis wine with heydyotis and its preparation method
CN102641497A	2012-08-22	Medicinal composition for treating gastrointestinal diseases
CN102641396A	2012-08-22	Preparation method of medicament for treating gastrointestinal diseases
CN103059000A	2013-04-24	Novel omeprazole compound and pharmaceutical composition thereof
CN106727475A	2017-05-31	The application of Rhein or curcumin in prevention and/or treatment medicine for treating diabetic nephropathy is prepared
CN1111061C	2003-06-11	Medicine for treating throat diseases and its preparing process

Priority And Related Applications

Priority Applications (1)

Application	Priority date	Filing date	Title
CN 03149208	2003-06-16	2003-06-16	Biochemical nucleic acid fulvic acid oral liquid production method

Applications Claiming Priority (1)

Application	Filing date	Title
CN 03149208	2003-06-16	Biochemical nucleic acid fulvic acid oral liquid production method

Legal Events

Date	Code	Title	Description
2005-01-19	C06	Publication	
2005-01-19	PB01	Publication	
2007-02-28	C02	Deemed withdrawal of patent application after publication (patent law 2001)	
2007-02-28	WD01	Invention patent application deemed withdrawn after publication	

Concepts

machine-extracted

Download Filter table

Name	Image	Sections	Count	Query match
nucleic acids		title,claims,abstract,description	35	0.000
nucleic acids		title,claims,abstract,description	35	0.000
3,7,8-trihydroxy-3-methyl-10-oxo-1,4-dihydropyrano[4,3-b]chromene-9-carboxylic acid		title,claims,abstract,description	26	0.000
fulvic acid		title,claims,abstract,description	26	0.000
fulvic acid		title,claims,abstract,description	26	0.000
liquid		title,claims,abstract,description	17	0.000
manufacturing process		title,abstract,description	8	0.000
preparation method		claims,abstract,description	7	0.000
vinegar		claims,description	12	0.000
water		claims,description	12	0.000
flour		claims,description	9	0.000
D-sucrose		claims,description	8	0.000
dietary sucrose		claims,description	8	0.000
wood		claims,description	8	0.000
adjuvant		claims,description	7	0.000
adjuvant		claims,description	7	0.000
method		claims,description	5	0.000
sterilising		claims,description	5	0.000
sterilization and disinfection		claims,description	5	0.000
stirring		claims,description	4	0.000
sealing		claims,description	3	0.000
packaging method and process		claims,description	2	0.000
digestion		claims	1	0.000
raw material		abstract,description	6	0.000

Show all concepts from the description section