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Records: 18 (1-18 of 18)
Export type: Family Export

1. Family 78766540 (US2022169680 AA)

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Title
[EN] CELL-PENETRATING PEPTIDE BASED ON INFLUENZA VIRUS M2 PROTEIN

Abstract
[EN] Provided are a cell-penetrating peptide based on influenza virus M2 protein and a method for preparing and transforming same. Further provided are a conjugate containing the cell-penetrating peptide, a fusion protein and a composition, wherein the cell-penetrating peptide can be used for penetrating cells, introducing a molecule into cells and treating diseases.

International Class: A61K39/145; A61P25/00; A61P35/00; A61P37/00; C07K14/11; C07K19/00; C12N15/00; C12N7/00; A61K45/00; A61K47/42; A61K47/64; A61P17/00; A61P17/18; A61P29/00; A61P3/00; A61P31/12; A61P37/02; A61P43/00; C12N15/44; C12N15/62; C07K14/005; C12N15/11

Cooperative Patent Class: A61K38/00; A61K45/00; A61K47/42; A61K47/64; A61P17/00; A61P17/18; A61P25/00; A61P29/00; A61P3/00; A61P31/12; A61P35/00; A61P37/00; A61P37/02; A61P43/00; C07K14/005; C07K19/00; C07K2319/10; C07K2319/60; C12N15/111; C12N2310/113; C12N2310/14; C12N2320/32; C12N2760/16122

Family Information

Patent Number	Publication Date	Application Number	Application Date
CA3118412 AA	20210430	CA20193118412	20191101
CN112912386 A	20210604	CN201980068883	20191101
CN112912386 B	20231020	CN201980068883	20191101
CN117384259 A	20240112	CN202311329341	20191101
EP3912989 A1	20211124	EP20190877803	20191101
EP3912989 A4	20220518	EP20190877803	20191101
US2022169680 AA	20220602	US20210289848	20191101
WO20088667 A1	20200507	WO2019CN115107	20191101

Priority Numbers: WO2018CN113755 [20181102]; WO2019CN115107 [20191101]; CN201980068883 [20191101]

Probable Patent Assignee: INST BASIC MEDICAL SCIENCES CAMS

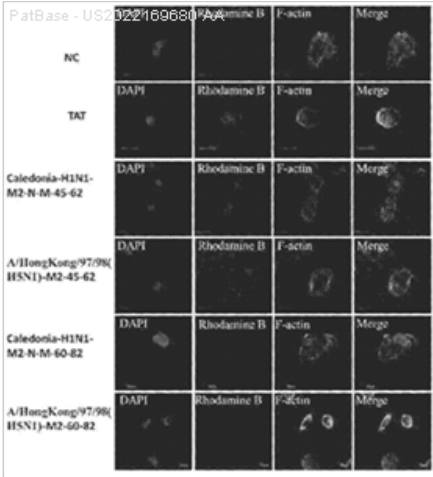
Assignees: INST BASIC MEDICAL SCIENCES CAMS; INST OF BASIC MEDICAL SCIENCES CHINESE ACADEMY OF MEDICAL SCIENCES; OF BASIC MEDICALS SCIENCES CHINESE ACADEMY OF MEDICAL SCIENCES INST

Non Std Assignees: OF BASIC MEDICAL SCIENCES CHINESE ACADEMY OF MEDICAL SCIENCES INST; JIANG CHENGYU; ZHAO YAN; WU SHUANGXIU; SHANG DAOZHEN

Inventors: JIANG CHENGYU; ZHAO YAN; WU SHUANGXIU; SHANG DAOZHEN

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; DANNER STEFAN; LIU SHEN AND ASSOCIATES

Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DJ; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW



2. Family 83757178 (WO22153045 A1)

[View in PatBase](#)

Title

[EN] METHODS AND COMPOSITIONS FOR ANTIBIOTIC POTENTIATION

Abstract

[EN] A method of potentiating or inducing antibiotic efficacy in one or more compositions or compounds, said method including the step of inducing a substantially cell wall deficient (CWD) state in a bacteria by exposure to at least one antibiotic before and/or in combination with said one or more compositions or compounds.

International Class: A61K31/05; A61K31/191; A61K31/345; A61K31/395; A61K31/407; A61K31/43; A61K31/47; A61K31/4745; A61K31/496; A61K31/665; A61K31/7036; A61K45/06; A61P31/04

Cooperative Patent Class: A61K31/05; A61K31/191; A61K31/345; A61K31/395; A61K31/407; A61K31/43; A61K31/47; A61K31/4745; A61K31/496; A61K31/665; A61K31/7036; A61K45/06; A61P31/04

Family Information

Patent Number	Publication Date	Application Number	Application Date
GB202100378 A0	20210224	GB20210000378	20210112
WO22153045 A1	20220721	WO2022GB50060	20220112

Priority Numbers: GB20210000378 [20210112]

Probable Patent Assignee: QUADRAM INST BIOSCIENCE

Assignees: QUADRAM INST BIOSCIENCE

Agent(s): BAILEY WALSH AND CO LLP

Designated States: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BE; BF; BG; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CH; CI; CL; CM; CN; CO; CR; CU; CY; CZ; DE; DJ; DK; DM; DO; DZ; EC; EE; EG; ES; FI; FR; GA; GB; GD; GE; GH; GM; GN; GQ; GR; GT; GW; HN; HR; HU; ID; IE; IL; IN; IR; IS; IT; JO; JP; KE; KG; KH; KM; KN; KP; KR; KW; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MC; MD; ME; MG; MK; ML; MN; MR; MT; MW; MX; MY; MZ; NA; NE; NG; NI; NL; NO; NZ; OM; PA; PE; PG; PH; PL; PT; QA; RO; RS; RU; RW; SA; SC; SD; SE; SG; SI; SK; SL; SM; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; WS; ZA; ZM; ZW

3. Family 84595096 (CN112710773 A)

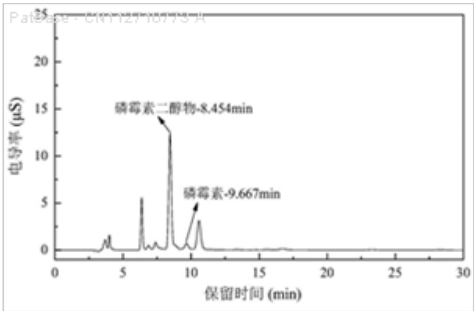
[View in PatBase](#)

Title

[EN] METHOD FOR SIMULTANEOUSLY DETECTING FOSFOMYCIN AND DIOL THEREOF BY ADOPTING ION CHROMATOGRAPHY

Abstract

[EN] The invention belongs to the technical field of chemical substance analysis and detection, and discloses a method for simultaneously detecting fosfomycin and diol thereof by adopting ion chromatography. The method for simultaneously detecting fosfomycin and the diol thereof by adopting the ion chromatography comprises the following steps that: (1) an ion chromatograph and chromatographic test conditions are selected, specifically,a chromatographic column is a low-volume hydroxyl system cathode protection column, an electrolyzed membrane inhibitor is adopted as an inhibitor, and a NaOH or KOH solution is adopted as a leacheate; (2) a fosfomycin standard curve is drawn with fosfomycin sodium taken as a standard substance; (3) a fosfomycin diol standard curve is drawn with a fosfomycin tromethamine EP impurity A taken as a standard substance; and (4) peak areas of the fosfomycin and the diol thereof in the sample are tested and obtained, and are substituted into the standard curve, so that corresponding concentrations can be obtained. The method provided by the invention has the advantages of good reproducibility, low detection limit, high sensitivity, simple operation, wide application of used ion chromatography equipment and the like, and can be used for simultaneously testing fosfomycin and diol thereof.



International Class: G01N30/96

Cooperative Patent Class: G01N30/96

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN112710773 A	20210427	CN202011482401	20201216
CN112710773 B	20211008	CN202011482401	20201216

Priority Numbers: CN202011482401 [20201216]

Probable Patent Assignee: CHINESE RES ACAD ENV SCIENCES

Assignees: CHINESE RES ACAD ENV SCIENCES; CHINESE RESEARCH ACADEMY OF ENVIRONMENTAL SCIENCES

Inventors: ZENG PING; WANG LIANGJIE; CHENG LUYAO; SONG YONGHUI; LI JUAN

4. Family 62179038 (IN03278MU2014 A)

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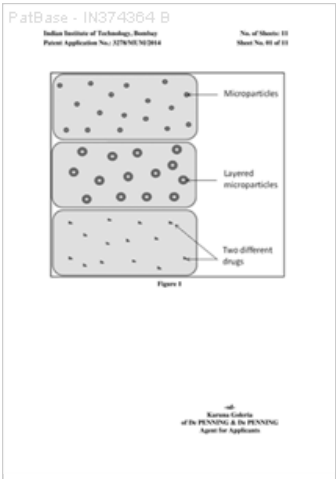
Title

[EN] POLYMER BASED DRUG DELIVERY SYSTEM

Abstract

[EN] The present invention provides a drug delivery system. More particularly, the present invention relates to a polymer based drug delivery system comprising a chitosan matrix loaded with a plurality of drug loaded polymeric microparticles for delivering drugs at controlled and sustained release rates.

International Class: A61K38/00; A61K9/00; A61K9/22; A61K9/26; A61K38



Family Information

Patent Number	Publication Date	Application Number	Application Date
IN03278MU2014 A	20160422	IN2014MU03278	20141014
IN374364 B	20210813	IN2014MU03278	20141014

Priority Numbers: IN2014MU03278 [20141014]

Probable Patent Assignee: INDIAN INST OF TECHNOLOGY BOMBAY

Non Std Assignees: INDIAN INST OF TECHNOLOGY BOMBAY

Non Std Inventors: PAWAR VAISHALI PUNDLIK; ROHIT SRIVASTAVA; GAUTAM SHETTY; ARUN MULLAJI; ROHITSRVASTAVA; PAWARVAISHALIPUNDLIK; ARUNMULLAJI; GAUTAMSHETTY

5. Family 60334550 (US2017035850 AA)

[View in PatBase](#)

Title
[EN] COMPOSITIONS FOR TREATING LUNG INFECTIONS BY AIRWAY ADMINISTRATION

Abstract
[EN] The present invention provides compositions comprising as an essential feature granulocyte-macrophage colony-stimulating factor (GM-CSF) together with fosfomycin for the treatment of bacterial lung infections by administration via the airways.

International Class: A61K31/665; A61K38/19; A61K9/00; A61K9/127; A61K9/50; A61K9/51; A61P11/00; A61P31/04; A61K31/407; A61K45/06

Cooperative Patent Class: A61K31/407; A61K31/665; A61K38/193; A61K45/06; A61K9/0073; A61K9/0078; A61K9/127; A61K9/50; A61K9/51; A61P11/00; A61P31/04; A61K2300/00

US Class: 1/1; 424/450

Family Information

Patent Number	Publication Date	Application Number	Application Date
EP3113789 A1	20170111	EP20150708512	20150306
EP3662924 A1	20200610	EP20190209703	20150306
US2017035850 AA	20170209	US20150123916	20150306
US2018289773 AA	20181011	US20180014818	20180621
US2021121528 AA	20210429	US20200896605	20200609
WO15132392 A1	20150911	WO2015EP54747	20150306

Priority Numbers: DK20140070113 [20140307]; WO2015EP54747 [20150306]; EP20150708512 [20150306]; US20160123916 [20160906]; US20180014818 [20180621]; US20200896605 [20200609]

Probable Patent Assignee: REPONEX PHARMACEUTICALS APS

Assignees: REPONEX PHARMACEUTICALS APS; REPONEX PHARMACEUTICALS AS

Non Std Assignees: REPONEX PHARMACEUTICALS A S; REPONEX PHARAMACEUTICALS APS

Inventors: HESLET LARS; UTTENTHAL LARS OTTO

Agent(s): ZACCO DENMARK A S

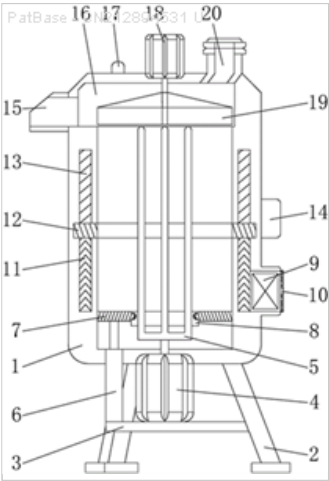
Designated States: AL; AT; BA; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LI; LT; LU; LV; MC; ME; MK; MT; NL; NO; PL; PT; RO; RS; SE; SI; SK; SM; TR; AE; AG; AM; AO; AU; AZ; BB; BF; BH; BJ; BN; BR; BW; BY; BZ; CA; CF; CG; CI; CL; CM; CN; CO; CR; CU; DM; DO; DZ; EC; EG; GA; GD; GE; GH; GM; GN; GQ; GT; GW; HN; ID; IL; IN; IR; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LY; MA; MD; MG; ML; MN; MR; MW; MX; MY; MZ; NA; NE; NG; NI; NZ; OM; PA; PE; PG; PH; QA; RU; RW; SA; SC; SD; SG; SL; SN; ST; SV; SY; SZ; TD; TG; TH; TJ; TM; TN; TT; TZ; UA; UG; US; UZ; VC; VN; ZA; ZM; ZW

6. Family 84216950 (CN212894531 U)

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Title
[EN] PREPARATION EQUIPMENT OF FOSFOMYCIN TROMETHAMINE

Abstract
[EN] The utility model discloses preparation equipment of fosfomycin tromethamine, which comprises a kettle body, supporting legs are fixedly mounted at the bottom of the kettle body, a supporting frame is fixedly mounted in the supporting legs, a stirring motor is fixedly mounted at the top of one side of the supporting frame, and a stirring rod is fixedly mounted at the output end of the stirring motor. Wherein a semiconductor refrigerator is fixedly mounted in the kettle body, a semiconductor chilling plate is fixedly mounted on one side of the semiconductor refrigerator, a heat insulation plate is fixedly mounted in the kettle body, and a heating plate is fixedly mounted in the kettle body. The stirring rod can be driven by the mounted stirring motor to stir chemical raw materials, the bottom plate can be driven to move up and down by starting the mounted lifting telescopic rod, so that the chemical raw materials can be positioned in the semiconductor refrigeration sheet layer, the raw materials can be cooled, and the chemical raw materials can be heated when positioned in the heating sheet layer; and after machining is completed, the finished product is lifted to the discharging layer, and the finished product can be discharged from the discharging port under the action of the discharging motor.



International Class: B01J19/18; C07C213/00; C07C213/10; C07C215/10; C07F9/655

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212894531 U	20210406	CN202021512173U	20200727

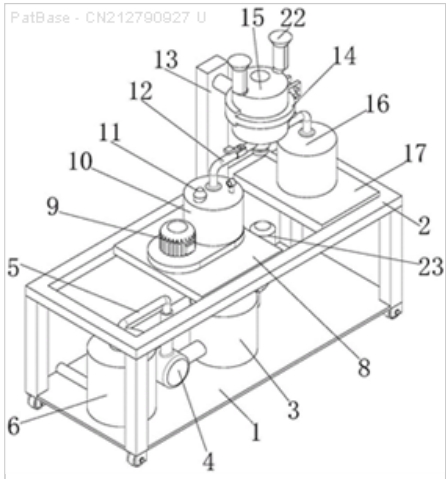
Priority Numbers: CN202021512173U [20200727]
Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD
Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD
Non Std Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO; CHINA HKUST MINING WUHAN CO LTD; WUHAN BIOLOGICAL TECHNOLOGY CO LTD CHINA HKUST MINING
Inventors: ZENG YUANYUAN

7. Family 84021761 (CN212790927 U)

[View in PatBase](#)

Title
[EN] EXTRACTION EQUIPMENT OF FOSFOMYCIN TROMETHAMINE

Abstract
[EN] The utility model discloses extraction equipment of fosfomycin tromethamine, which comprises a fixed bottom plate, a supporting frame is fixedly mounted at the top of the fixed bottom plate, a fixed rod piece is fixedly mounted at the top of the supporting frame, a fixed ring is fixedly mounted on one side of the fixed rod piece, and an extraction box is fixedly mounted in the fixed ring. The twosides of the bottom of the extraction box are both communicated with a conveying pipeline, an experimental dehydrator is fixedly installed at the bottom of the conveying pipeline, a driving motor is fixedly installed on one side of the experimental dehydrator, a treatment box is fixedly installed at the bottom of the experimental dehydrator, and a liquid pumping machine is fixedly installed on oneside of the treatment box. By arranging the treatment box, the experimental dehydrator, the waste material box and other devices, the closed state of the substance is always treated in the extractionprocess, the phenomenon that the reactant is splashed out and injures the human body is avoided, meanwhile, by arranging specific equipment, extraction of the substance can be accelerated, and the overall working efficiency is improved.



International Class: B01D11/04; B01D36/00; B01J19/00; B01J19/24; B01J4/00; C07F9/655

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212790927 U	20210326	CN202021512172U	20200727

Priority Numbers: CN202021512172U [20200727]
Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD
Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD
Non Std Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO; CHINA HKUST MINING WUHAN CO LTD; WUHAN BIOLOGICAL TECHNOLOGY CO LTD CHINA HKUST MINING
Inventors: ZENG YUANYUAN

8. Family 83949432 (CN212757314 U)

[View in PatBase](#)

Title
[EN] FOSFOMYCIN TROMETHAMINE CRYSTALLIZATION DEVICE

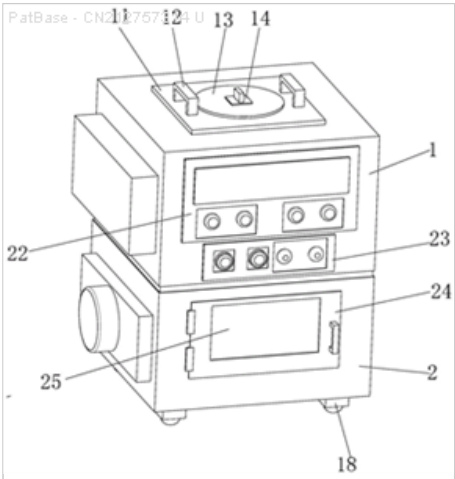
Abstract
[EN] The utility model discloses a fosfomycin tromethamine crystallization device which comprises a first box body, a second box body and a crystallization container, a water bath pool is fixedly installed in the first box body, a first placing seat is fixedly installed at the bottom of an inner cavity of the water bath pool, and ceramic heating plates are fixedly installed on the side walls of the inner cavity of the water bath pool. A cooling pipe is fixedly installed in the water bath pool, a first temperature sensor is fixedly installed in the water bath pool, and a liquid nitrogen cooler is fixedly installed in the first box body. A ceramic heating plate, a heating plate controller, a cooling pipe and a liquid nitrogen cooler are arranged in a first box body to adjust the temperature of water in a water bath pool, the temperature of a crystallization container is controlled through a water bath, and therefore different temperatures needed by different steps are achieved, and besides, a vacuum pump and a temperature control lamp are arranged in a second box body; the temperature and environment in the crystallization frame can be changed, so that the temperature and environment requirements required by crystallization are met, and the crystallization efficiency of fosfomycin tromethamine is improved.

International Class: B01D9/02; C07C213/10; C07C215/10; C07F9/655

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212757314 U	20210323	CN202021512871U	20200727

Priority Numbers: CN202021512871U [20200727]
Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD
Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD
Non Std Assignees: CHINA HKUST MINING WUHAN CO LTD; WUHAN BIOLOGICAL TECHNOLOGY CO LTD CHINA HKUST MINING
Inventors: ZENG YUANYUAN



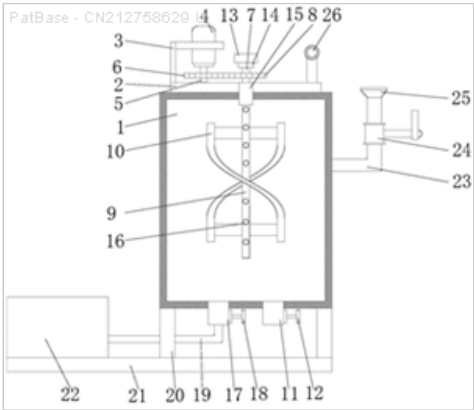
9. Family 83954441 (CN212758629 U)

[View in PatBase](#)

Title
[EN] FOSFOMYCIN TROMETHAMINE STIRRING DEVICE

Abstract

[EN] The utility model discloses a fosfomycin tromethamine stirring device which comprises a stirring cylinder, a clamping cover is fixedly installed at the top of the stirring cylinder, a support is fixedly installed at one end of the clamping cover, a motor is fixedly installed in the support, a rotating shaft is fixedly installed at the output end of the motor, and a first gear is fixedly connected to the outer portion of the rotating shaft in a sleeved mode. A second gear is meshed with the outer side of the first gear, a hollow rotating rod is fixedly sleeved with the second gear, a rotating bearing is fixedly installed on the outer side of the hollow rotating rod, and a cleaning rod is fixedly installed at one end of the hollow rotating rod. The interior of the stirring barrel is cleaner through the water inlet and the cleaning rod, when stirring of objects in the barrel is completed and when stirring of objects in the barrel is completed, the discharging port is opened, the stirred materials are discharged, after discharging of the materials is completed, water is guided into the cleaning rod through the water inlet pipe, the sealing bearing and the hollow rotating rod, and then the motor is started; the motor drives the cleaning rod to rotate, and cleaning water in the cleaning rod is thrown onto the inner wall of the stirring cylinder through the water outlet holes.



International Class: B01J19/20

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212758629 U	20210323	CN202021512519U	20200727

Priority Numbers: CN202021512519U [20200727]

Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

Non Std Assignees: CHINA HKUST MINING WUHAN CO LTD; WUHAN BIOLOGICAL TECHNOLOGY CO LTD CHINA HKUST MINING

Inventors: ZENG YUANYUAN

10. Family 83891543 (CN212731116 U)

[View in PatBase](#)

Title

[EN] FOSFOMYCIN TROMETHAMINE COOLING CRYSTALLIZATION DEVICE

Abstract

[EN] The utility model discloses a fosfomycin tromethamine cooling crystallization device which comprises a crystallization chamber, supporting legs are fixedly connected to the outer wall of the crystallization chamber, a material taking device is movably connected to the bottom of the outer wall of the crystallization chamber, a rotating disc is arranged at the bottom, close to the material taking device, of the crystallization chamber, and a fixing plate is fixedly connected to the bottom of the rotating disc. And the bottom of the fixed plate is fixedly connected with a connecting ring. The motor drives the rotary disc connected with the fixing frame to rotate, the stirring blades stir liquid in the crystallization chamber to enable internal heat to be uniform, the refrigerator conveys cooling liquid to the flow dividing valve through the cooling pipeline, then the cooling liquid is divided through the flow dividing valve and then conveyed into the multiple fine spiral cooling pipes, and the cooling effect is good. The heat of liquid in the crystallization chamber is rapidly conducted to cooling liquid and then conducted to the refrigerator through the cooling pipeline, rapid cooling is achieved through the cooling fan, and due to the fact that the liquid is directly cooled from the interior of the crystallization chamber, the cooling effect is better, and the effect of high crystallization efficiency is achieved.

International Class: B01D9/02; C07F9/655

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212731116 U	20210319	CN202021512875U	20200727

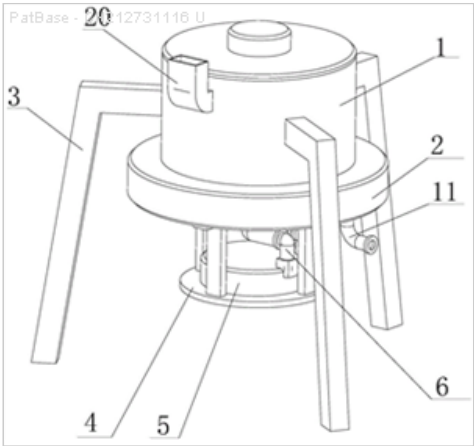
Priority Numbers: CN202021512875U [20200727]

Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

Non Std Assignees: CHINA HKUST MINING WUHAN CO LTD; WUHAN BIOLOGICAL TECHNOLOGY CO LTD CHINA HKUST MINING

Inventors: ZENG YUANYUAN



11. Family 83903864 (CN212732165 U)

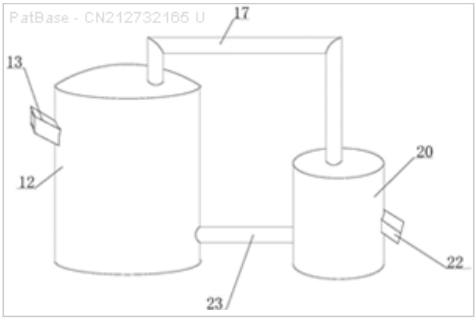
[View in PatBase](#)

Title

[EN] HIGH-STABILITY PHOSPHOMYCIN TROMETHAMINE CYCLIC EXTRACTION DEVICE

Abstract

[EN] The utility model discloses a high-stability fosfomycin tromethamine cyclic extraction device, which belongs to the technical field of pharmaceutical chemical engineering and comprises a PH regulating device, a PH sensing probe, a temperature sensing probe, an alkaline solution box and an acid solution box. A PH sensing probe is fixedly installed on the outer wall of the PH adjusting device, a temperature sensing probe is fixedly installed on the top of the PH sensing probe, an alkaline solution box is fixedly installed in the PH adjusting device, the outer wall of the alkaline solution box is fixedly connected with the outer wall of the acid solution box, and a first liquid outlet pipe is inserted into the bottom of the acid solution box. And a first electromagnetic valve is fixedly mounted on the outer wall of the first liquid outlet pipe. The PH value of the solution in the tank body can be adjusted through the PH adjusting device, the situation that the production efficiency is affected due to the fact that the PH value of the solution is changed in the chemical reaction process is avoided, the temperature in the tank body is adjusted through the heating piece, and the chemical reaction speed is increased.



International Class: B01D29/01; B01J19/20

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212732165 U	20210319	CN202021512924U	20200727

Priority Numbers: CN202021512924U [20200727]

Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

Assignees: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

Non Std Assignees: CHINA HKUST MINING WUHAN CO LTD; WUHAN BIOLOGICAL TECHNOLOGY CO LTD CHINA HKUST MINING

Inventors: ZENG YUANYUAN

12. Family 83891795 (CN212731117 U)

[View in PatBase](#)

Title

[EN] RAPID EXTRACTION DEVICE OF HIGH-PURITY FOSFOMYCIN TROMETHAMINE

Abstract

[EN] The utility model discloses a rapid extraction device for high-purity fosfomycin tromethamine, which comprises a rotary drum, an outer drum is arranged on the outer side of the rotary drum, a first belt wheel is fixedly connected to the top of the rotary drum, a rolling shaft is arranged on the inner wall of the top of the outer drum, and the outer wall of the rolling shaft is in rolling connection with the inner wall of the outer drum. A second belt wheel is fixedly connected to the position, located in the outer barrel, of the outer wall of the rolling shaft, a first belt is arranged on the inner wall of the second belt wheel, the outer wall of the first belt is movably connected with the inner walls of the first belt wheel and the second belt wheel, and a third belt wheel is fixedly connected to the position, located on the outer side of the outer barrel, of the outer wall of the rolling shaft. The sealing plate is arranged to guarantee the sealing performance of the rotary drum, raw materials in the rotary drum are crystallized, the sealing plate is separated from the rotary drum through the air cylinder, the rotary drum rotates at a high speed through the first motor, crystals left after crystallization are separated from liquid, and therefore the effects of separating the crystals from the liquid, saving time and improving work efficiency are achieved.

International Class: B01D9/02

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212731117 U	20210319	CN202021513863U	20200727

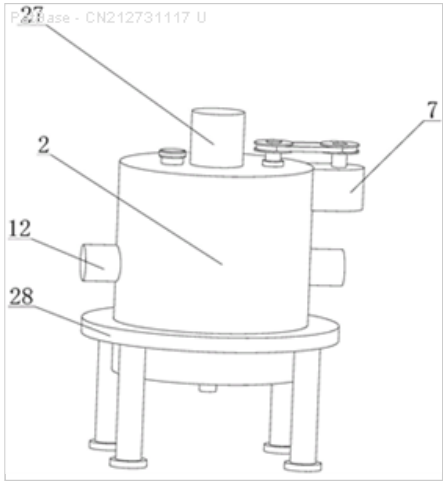
Priority Numbers: CN202021513863U [20200727]

Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

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Inventors: ZENG YUANYUAN



13. Family 83889793 (CN212731309 U)

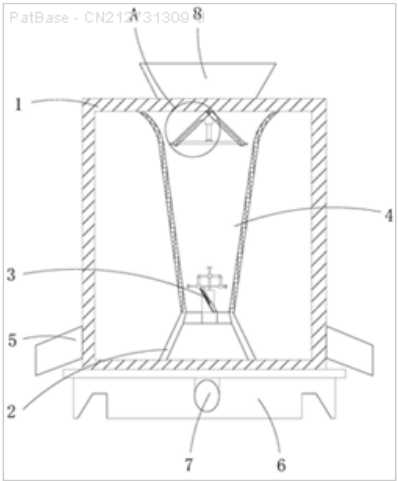
[View in PatBase](#)

Title

[EN] CENTRIFUGAL DEVICE FOR FOSFOMYCIN TROMETHAMINE, WHICH CAN EFFECTIVELY REMOVE RESIDUAL IMPURITIES

Abstract

[EN] The utility model discloses a centrifugal device for fosfomycin tromethamine, which can effectively remove residual impurities and comprises a main body and a beating mechanism, a trapezoidal shell is fixedly connected to the inner wall of the bottom of the main body, the beating mechanism is fixedly connected to the inner wall of the bottom of the main body through the trapezoidal shell, and a filter screen is fixedly connected to the top of the trapezoidal shell. Liquid outlet pipes are fixedly connected to the outer walls of the two sides of the main body, and a base is fixedly connected to the outer wall of the bottom of the main body. Through the arrangement of the flapping mechanism, a filter screen in the main body can be flapped conveniently, the falling speed of impurities on the filter screen can be increased, blocking of the filter screen is prevented, when the pushing air cylinder is started, the sliding block slides on the inner wall of the strip-shaped sliding groove, the connecting rod moves and drives the flapping rod to move left and right, and the flapping block moves to flap the filter screen; impurity residues filtered on the filter screen can be rapidly removed through beating, the filtering effect of the filter screen is improved, the working efficiency of impurity removal is effectively improved, and the using effect is better.



International Class: B01D33/11; B01D33/56

Family Information

Patent Number	Publication Date	Application Number	Application Date
CN212731309 U	20210319	CN202021514255U	20200727

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Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

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Inventors: ZENG YUANYUAN

14. Family 83815776 (CN212720504 U)

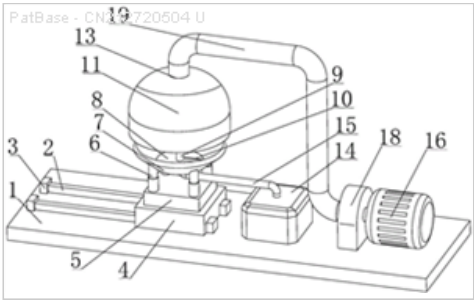
[View in PatBase](#)

Title

[EN] DRYING DEVICE FOR FOSFOMYCIN TROMETHAMINE

Abstract

[EN] The utility model discloses a drying device for fosfomycin tromethamine, which comprises a fixed bottom plate, a sliding control box is arranged at the position, close to the center, of the top end of the fixed bottom plate, and a telescopic control box is fixedly connected to the top end of the sliding control box. And the bottom end of the telescopic control box is movably connected with the top end of the fixed bottom plate through an arranged sliding control box. Through cooperative use of the cold air manufacturing box and the telescopic spring pipe, the device can dry substances without a heating mode, the application range of the device is effectively widened, the relative structure is simple, the functions are comprehensive, operation is easy and convenient, and the moisture collecting groove and the moisture filtering disc are used in a cooperative mode, so that the drying effect is good. According to the device, the humidity brought by external air can be reduced when the device is used for drying treatment, the performance of the device is improved, and the uniformity of drying treatment on raw materials in the running process of the device can be improved through cooperative use of the rotating column and the stirring support.



International Class: F26B25/00; F26B25/06; F26B5/04

Family Information

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CN212720504 U	20210316	CN202021512520U	20200727

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Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

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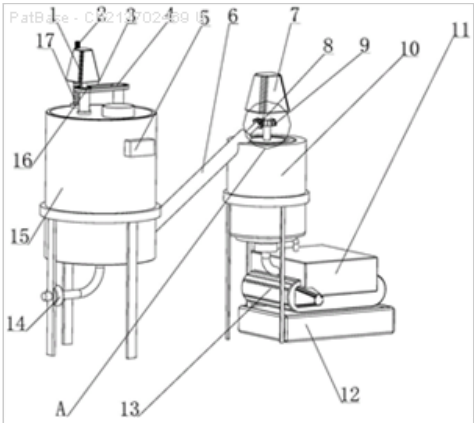
Inventors: ZENG YUANYUAN

15. Family 83836088 (CN212702469 U)

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Title
[EN] MATERIAL TAKING CENTRIFUGAL DEVICE FOR FOSFOMYCIN TROMETHAMINE

Abstract
[EN] The utility model discloses a material taking centrifugal device for fosfomycin tromethamine, which comprises a first motor, a second stirring rod is rotatably connected to the axis of the first motor, a gear A is welded to the outer wall of the second stirring rod, a belt is movably connected to the outer wall of the second stirring rod through an arranged gear A, and a gear B is movably connected to the outer wall of the belt. A gear B is movably connected to the right end, away from the second stirring rod, of the inner wall of the belt, and a first stirring rod is welded to the inner wall of the belt through the gear B. Crystalline crystals are centrifuged through rotation of the leakage net, the crystallization effect is good, the centrifugation efficiency is higher, use is convenient, the centrifuged crystalline crystals are fed into the cleaning box, water is pumped by the water pump to a spray head in the cleaning box to clean the crystalline crystals, the water tank can be transported, the crystalline crystals can be cleaned conveniently, and storage is convenient; and the inner wall of the first shell is cleaned by the first hairbrush on the leakage net, and the inner wall of the second shell is cleaned by the first hairbrush by pressing the vertical rod, so that the cylinder wall is convenient to clean.



International Class: B04B15/06; B04B7/18; B08B3/02; C07C213/10; C07C215/10; C07F9/655

Family Information

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Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD
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Inventors: ZENG YUANYUAN

16. Family 83833572 (CN212702461 U)

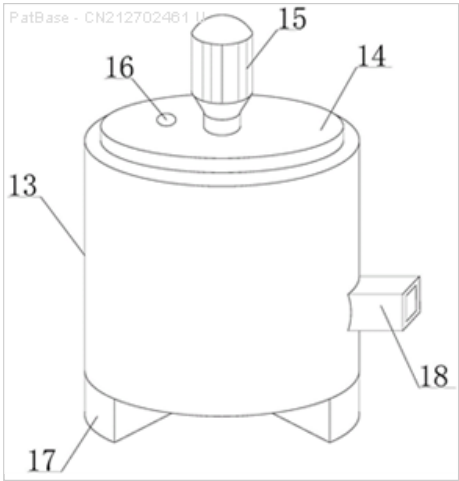
[View in PatBase](#)

Title

[EN] CENTRIFUGAL DEVICE FOR FOSFOMYCIN TROMETHAMINE, WHICH CAN REDUCE SECONDARY PREPARATION POLLUTION

Abstract

[EN] The utility model discloses a centrifugal device for reducing secondary preparation pollution for fosfomycin tromethamine, which belongs to the technical field of pharmaceutical chemical engineering and comprises a filter screen layer, a scraper plate, a lifting column, a lantern ring, a sliding block and a washing pipe, and the outer wall of the scraper plate is clamped with the inner wall of the filter screen layer; a lantern ring is fixedly mounted on the outer wall of the end, away from the filter screen layer, of the scraper, a sliding groove is formed in the top of the lantern ring, the inner wall of the sliding groove is slidably connected with the outer wall of a sliding block, a connecting plate is fixedly mounted at the top of the sliding block, and the end, away from the sliding block, of the connecting plate is fixedly connected with the bottom of a lifting column; and a washing pipe is fixedly mounted at the top of the filter screen layer. The sleeve ring can be driven to ascend through the lifting column, the sleeve ring can rotate through the sliding block, the scraping plate rotates in the drum to push out centrifuged raw materials, automatic discharging is achieved, secondary pollution caused by manual discharging is avoided, and the slag or the drum can be cleaned through the washing pipe.



International Class: B04B15/06; B04B5/10

Family Information

Patent Number	Publication Date	Application Number	Application Date
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17. Family 83633007 (CN212640342 U)

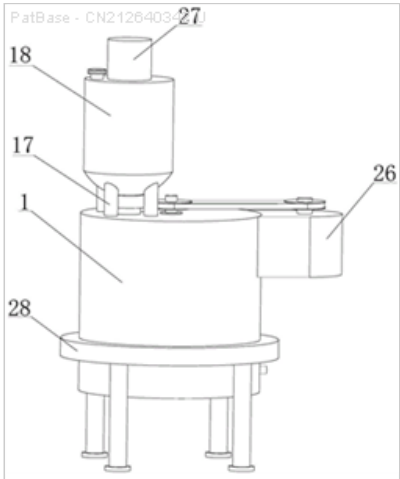
[View in PatBase](#)

Title

[EN] FOSFOMYCIN TROMETHAMINE CRYSTALLIZATION DEVICE WITH SOLID-LIQUID SEPARATION FUNCTION

Abstract

[EN] The utility model discloses a fosfomycin tromethamine crystallization device with a solid-liquid separation function, which comprises a separation device, a treatment cylinder, a rotating cylinder, a rotating disc and a first motor are arranged in the separation device, a rotating plate is arranged on the inner wall of the treatment cylinder, and the outer wall of the rotating plate is movably connected with the inner wall of the treatment cylinder; the inner wall of the rotating cylinder is fixedly connected with the bottom of the rotating disc, a feeding port is formed in the inner wall of the rotating disc, the outer wall of the feeding port is fixedly connected with the inner wall of the rotating disc, and a rotating shaft is arranged on the inner wall of the rotating disc. By means of the separating device, after crystallization of raw materials is finished, crystals and liquid enter the rotary drum together, the rotary drum rotates at a constant speed under the action of the first motor, the crystals and the liquid move towards the outside of the rotary drum under the action of centrifugal force, the liquid is thrown out through fine through holes in the surface of the rotary drum, and the crystals are left in the rotary drum; therefore, the effects of solid-liquid separation and production efficiency improvement are achieved.



International Class: B01D36/00; B01D9/02; C07C213/10; C07C215/10; C07F9/655

Family Information

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Probable Patent Assignee: KEDA HUACAI WUHAN BIOTECHNOLOGY CO LTD

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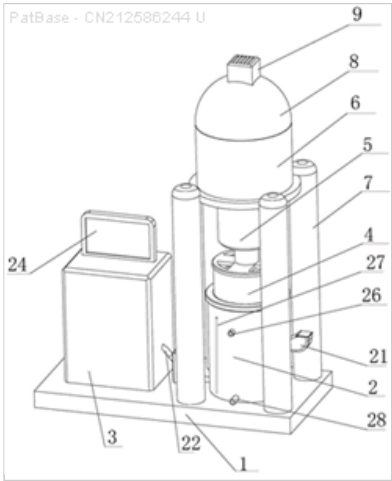
Inventors: ZENG YUANYUAN

18. Family 83508016 (CN212586244 U)

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Title
[EN] FOSFOMYCIN TROMETHAMINE IMPURITY DETECTION DEVICE

Abstract
[EN] The utility model discloses a fosfomycin tromethamine impurity detection device which comprises a base, a stirring barrel is fixedly connected to the top of the base, a spectrograph is fixedly connected to the position, close to the left end of the stirring barrel, of the top of the base, and a stirring device is arranged at the top of the stirring barrel. The outer wall of the stirring device ismovably connected with the inner wall of the stirring barrel, the top of the stirring device is fixedly connected with a telescopic rod, the top of the telescopic rod is fixedly connected with a weighing device, and the outer wall of the weighing device is fixedly connected with four supporting rods. The fosfomycin tromethamine is heated and dried through the heating ring, meanwhile, the fan motordrives the fan blades to rotate, moisture in the weighing device is pumped out, the contact area between the fan blades and air can be increased through the adsorption silica gel strips outside the fan blades, water in the air is collected, incomplete dispersion of the water is prevented, and the water is prevented from rotating in the weighing device. And heating volatilization is carried out through the heating block, so that the effect of drying the interior of the weighing device is achieved.



International Class: G01N1/38; G01N1/40; G01N21/25

Family Information

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CN212586244 U	20210223	CN202021512144U	20200727

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