



**INTELLECTUAL
PROPERTY INDIA**

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रमांक : 022106006
SL No :



भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No. : 321273
आवेदन सं. / Application No. : 91/MUM/2015
फाइल करने की तारीख / Date of Filing : 09/01/2015
पेटेंटी / Patentee : JAIPRAKASH N. SANGSHETTI

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित SYNTHESIS OF NOVEL 3-(2-CHLOROQUINOLIN-3-YL)-N-CYCLOHEXYLQUINOXALIN-2-AMINES AND ANTIBACTERIAL ACTIVITY THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 9th day of January 2015 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled SYNTHESIS OF NOVEL 3-(2-CHLOROQUINOLIN-3-YL)-N-CYCLOHEXYLQUINOXALIN-2-AMINES AND ANTIBACTERIAL ACTIVITY THEREOF as disclosed in the above mentioned application for the term of 20 years from the 9th day of January 2015 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 24/09/2019
Date of Grant :

OKSupta
पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 9th day of January 2017 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 9th day of January 2017 and on the same day in every year thereafter.



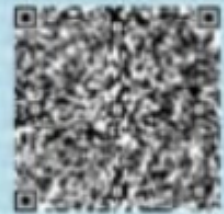
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GOVERNMENT OF INDIA
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PATENT CERTIFICATE
(Rule 74 OF The Patents Rules)

क्रमांक : 022110797
SL No :



पेटेंट सं. / Patent No. : 352228
आवेदन सं. / Application No. : 931/MUM/2014
काइल करने की तारीख / Date of Filing : 21/03/2014
पेटेंटी / Patentee : 1.DEHGHAN, Mohamed Hassan Gulamreza 2.BAWAZIR,
Abubakar Salam

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में बयांकरहित A TOPICAL ANTIMICROBIAL HERBAL FORMULATION नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 21st day of March 2014 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled A TOPICAL ANTIMICROBIAL HERBAL FORMULATION as disclosed in the above mentioned application for the term of 20 years from the 21st day of March 2014 in accordance with the provisions of the Patents Act, 1970.

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अनुदान की तारीख : 25/11/2020
Date of Grant :

श्री जे.एस.
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 21st day of March 2016 को और उसके पहले अगले वर्ष में पूरी तिन रूप लेगी।

Note - The fees for renewal of this patent, if it is to be maintained will fall/ has fallen due on 21st day of March 2016 and on the same day in every year thereafter.



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)



पेटेंट सं. / Patent No. : 333577
आवेदन सं. / Application No. : 201621035782
फाइल करने की तारीख / Date of Filing : 19/10/2016
पेटेंटी / Patentee : 1.ANNA PRATIMA GANPATRAO NIKALJE 2.SHAILEE
VIJAY TIWARI

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "DIETHYL (SUBSTITUTED PHENYL/HETERYL) (2-(2-OXOINDOLIN-3YLIDENE)HYDRAZINYL)METHYLPHOSPHONATE COMPOUNDSAS ANTICANCER AGENTS" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 19th day of October 2016 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled "DIETHYL (SUBSTITUTED PHENYL/HETERYL) (2-(2-OXOINDOLIN-3YLIDENE)HYDRAZINYL)METHYLPHOSPHONATE COMPOUNDSAS ANTICANCER AGENTS" as disclosed in the above mentioned application for the term of 20 years from the 19th day of October 2016 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 28/02/2020
Date of Grant :

पेटेंट निबंधक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाता है, 19th day of October 2018से और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 19th day of October 2018 and on the same day in every year thereafter.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201641022803 A

(19) INDIA

(22) Date of filing of Application :02/07/2016

(43) Publication Date : 12/08/2016

(54) Title of the invention : BIODEGRADABLE ANTIBIOTIC DRUG DELIVERY SYSTEM AND PREPARATION THEREOF

(51) International classification	:G01N 33/00	(71)Name of Applicant : 1)Dr. Vijayakrishna Kari
(31) Priority Document No	:NA	Address of Applicant :SCHOOL OF ADVANCED
(32) Priority Date	:NA	SCIENCES (SAS), VELLORE INSTITUTE OF TECHNOLOGY,
(33) Name of priority country	:NA	VELLORE CAMPUS, VELLORE, TAMIL NADU INDIA. Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	2)Mr. Shrikant Sadashivrao Patil
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Dr. Vijayakrishna Kari
Filing Date	:NA	2)Mr. Shrikant Sadashivrao Patil
(62) Divisional to Application Number	:NA	3)Dr. Jaiprakash Sanghetti
Filing Date	:NA	

(57) Abstract :

A method for preparation of bio-degradable polymeric blend for preparation of medical devices or products is disclosed. The composition comprises combination of bio-degradable polymers and plurality of pharmaceutical active agent such as aminoglycosides. The composition comprises all the ingredients in appropriate composition by solvent casting method used with homogenizing the composition by addition of ingredients and drying of the same up to optimum time. Pluralities of test are conducted for evaluating the performance of the bio-degradable polymeric blend.

No. of Pages : 11 No. of Claims : 9



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सत्यमेव जयते

क्रमांक : 044135146
SL No :



भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No. : 380448
आवेदन सं. / Application No. : 201641022803
फाइल करने की तारीख / Date of Filing : 02/07/2016
पेटेंटी / Patentee : 1.Dr. Vijayakrishna Kari 2.Mr. Shrikant Sadashivrao Patil

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित BIODEGRADABLE ANTIBIOTIC DRUG DELIVERY SYSTEM AND PREPARATION THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 2nd day of July 2016 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled BIODEGRADABLE ANTIBIOTIC DRUG DELIVERY SYSTEM AND PREPARATION THEREOF as disclosed in the above mentioned application for the term of 20 years from the 2nd day of July 2016 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 27/10/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 2nd day of July 2018 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 2nd day of July 2018 and on the same day in every year thereafter.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021106339

The Commissioner of Patents has granted the above patent on 10 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Piyush Kumar Shukla of Associate Professor, Department of CSE, University Institute of Technology Rajiv Gandhi Prodyogiki Vishwavidyalay RGPV BHOPAL Madhya Pradesh 462033 India

Jayati Chatterjee Mitra of Professor & Head, Department of Chemistry & Coordinator IQAC, Dr. C.V. Raman University, Kargiroad, Kota Bilaspur Chhattisgarh 495113 India

Mohammed Imran Anees of Assistant Professor, Department of Pharmaceutical Chemistry, Y.B. Chavan College of Pharmacy Aurangabad Maharashtra 431001 India

Mirza Shahed Baig of Associate Professor, Department of Pharmaceutical Chemistry, Y.B. Chavan College of Pharmacy Aurangabad Maharashtra 431001 India

Ravindra kumar agarwal of course coordinator of Food Technology and Assistant Professor, Centre for Health and Applied Sciences, Ganpat University, Ganpat Vidya Nagar, Kherva Mehsana-Gujarat 384012 India

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Namrata Nanda of Doctoral Scholar, Lincoln University College Kuala Lumpur Malaysia Malaysia

Pinaki Pratim Acharjya of Professor, Krishna Nagar, Pragati Road, Agartala Tripira 799001 India

Sivakumar Ponnusamy of Associate Professor, Department of Computer Science and Engineering, SRM Institute of Science and Technology, Delhi-NCR Campus, Delhi - Meerut Expy Modinagar Uttar Pradesh 201204 India

Title of invention:

QUANTITATIVE TRAIT LOCI ANALYSIS FOR ASSESSING RAGI'S BLAST RESISTANCE USING MACHINE LEARNING TECHNIQUE

Name of inventor(s):

Shukla, Piyush Kumar; Mitra, Jayati Chatterjee; Anees, Mohammed Imran; Baig, Mirza Shahed; Kumar Agarwal, Ravindra; D. R., Thirupurasundari; Hemlathadhevi, A.; Khobragade, Bhavana Purushottam; Ujan, Javed Ahmed; Nanda, Namrata; Acharjya, Pinaki Pratim and Ponnusamy, Sivakumar



Dated this 10th day of November 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021106339

Term of Patent:

Eight years from 21 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 10th day of November 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

- (1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
- (a) a declaration that the threats are unjustifiable; and
 - (b) an injunction against the continuance of the threats; and
 - (c) the recovery of any damages sustained by the applicant as a result of the threats.
- (2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

- (1) If:
- (a) a person:
 - (i) has applied for an innovation patent, but the application has not been determined; or
 - (ii) has an innovation patent that has not been certified; and
 - (b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be; then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

- (2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

- (3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921029053 A

(19) INDIA

(22) Date of filing of Application :18/07/2019

(43) Publication Date : 30/08/2019

(54) Title of the invention : A PHARMACEUTIAL COMPOSITION FOR THE TREATMENT OF DIABETIC NEUROPATHY AND PROCESS OF PREPARATION THEREOF

(51) International classification	:A61K 49/22 A61K 6/00	(71)Name of Applicant : 1)HEMANT DEVIDAS UNE Address of Applicant :Y. B. CHAVAN COLLEGE OF PHARMACY, DR. RAFIQ ZAKARIA CAMPUS, RAUZA BAGH, AURANGABAD-431001, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	2)KHAN DURESHAHWAR RIYAZ ALI
(32) Priority Date	:NA	3)MOHAMMED MUBASHIR FAUZI AKHTER
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)HEMANT DEVIDAS UNE
Filing Date	:NA	2)MOHAMMED MUBASHIR FAUZI AKHTER
(87) International Publication No	: NA	3)KHAN DURESHAHWAR RIYAZ ALI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT A PHARMACEUTIAL COMPOSITION FOR THE TREATMENT OF DIABETIC NEUROPATHY AND PROCESS OF PREPARATION THEREOF The present invention relates to a pharmaceutical composition useful for Diabetic Neuropathy treatment. More preferably, the present invention relates to an anti-diabetic composition having Anti Diabetic neuropathy properties formulation of Phytosomes obtained from plant leaves extract that provides a safe and effective treatment for Diabetic Neuropathy and control on blood sugar level wherein it consisting of effective amount of methanolic extract of Ficus carica and phosphatidylcholine in 1:1 weight ratio and additive base pharmaceutical excipients. In addition to that, the composition of present invention has binding properties and hence can suitably incorporate in any anti-diabetic composition which will reduce the actual dose of oral hypoglycemic agent.

No. of Pages : 37 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921005199 A

(19) INDIA

(22) Date of filing of Application :09/02/2019

(43) Publication Date : 01/03/2019

(54) Title of the invention : MODIFIED RELEASE PHARMACEUTICAL COMPOSITION CONTAINING HYDROCHLOROTHIAZIDE

(51) International classification	:A61K 31/00 A61K 9/00	(71)Name of Applicant : 1)Vikas D Singhai Address of Applicant :Villa-26, Pratham Meadows Near Navrachna International school Vasna Bhayli Road Gujarat India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Swapnil Sharma
(33) Name of priority country	:NA	2)Vikas D. Singhai
(86) International Application No	:NA	3)Dr. Sarvesh Paliwal
Filing Date	:NA	4)Kanika Verma
(87) International Publication No	: NA	5)Gaurav Gujral
(61) Patent of Addition to Application Number	:NA	6)Pujan Kamani
Filing Date	:NA	7)Dhaval Patel
(62) Divisional to Application Number	:NA	8)Dr. Yogesh Raichandani
Filing Date	:NA	9)Piyush chudiwal
		10)Swaroop Lahoti ✓
		11)Navneet Joshi

(57) Abstract :

A pharmaceutical preparation for the treatment of cardiac and cardiovascular disorders, such as hypertension, angina pectoris, cardiac insufficiency, cardiac arrest, heart attack and illness associated therewith, contains the active substance hydrochlorothiazide, or a pharmaceutically acceptable salt thereof, as well as pharmaceutically usual additives. Pursuant to present invention, it has been found that modified release composition containing the low soluble and highly permeable drug, hydrochlorothiazide, may be prepared which provided therapeutically effective plasma concentration of hydrochlorothiazide for a period of about 20 to about 24 hours covering the most risk period of cardiac arrest that is early morning hours and last phase of sleep. The modified release composition of current invention provides modified release of hydrochlorothiazide formulation of lower doses, which will reduce side effects of higher doses along with reducing dosing frequency for better patient compliance.

No. of Pages : 26 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021018837 A

(19) INDIA

(22) Date of filing of Application :02/05/2020

(43) Publication Date : 07/08/2020

(54) Title of the invention : COMPARATIVE EVALUATION AND OPTIMIZATION OF DIFFERENT DRUG DELIVERY SYSTEM

(51) International classification	:A61K0009510000, A61K0009000000, A61K0009107000, A61K0031470000, A61K0047260000	(71)Name of Applicant : 1)Dr. Swaroop Lahoti Address of Applicant : Department of Pharmacy Y B Chavan College of Pharmacy Aurangabad Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Swaroop Lahoti
(33) Name of priority country	:NA	2)Piyush Chudiwal
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to stable pharmaceutical compositions comprising lipid nanoparticles of a anti-malarial drug more specifically Primaquine, wherein said lipid nanoparticles are stable Nanostructured lipid carriers (NLC). The present invention also relates to incorporation of Primaquine NLCTMs into adsorbed on aerosil for ease of administration by oral drug delivery system. It also relates to processes for the preparation of the NLC and a method of enhancing liver uptake and improving antimalarial efficacy by proposed drug delivery system.

No. of Pages : 36 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121007320 A

(19) INDIA

(22) Date of filing of Application :22/02/2021

(43) Publication Date : 26/02/2021

(54) Title of the invention : TRANSDERMAL PATCH FORMULATION COMPRISING EXTRACTS OF MOMORDICA CHARANTIA.

(51) International classification	:A61K0009700000, A61K0036420000, C07K0014415000, A61K0036580000, A61K0036185000	(71) Name of Applicant : 1)Miss. Syeda Farheen Fatema Syed Nafeesuddin Address of Applicant :Department of Quality Assurance, Maulana Azad Educational Trust TM s, Y.B Chavan College of Pharmacy Dr. Rafiq Zakaria Campus Aurangabad Maharashtra India Maharashtra India
(31) Priority Document No	:NA	2)Dr. Mirza Shahed Baig
(32) Priority Date	:NA	(72) Name of Inventor :
(33) Name of priority country	:NA	1)Miss. Syeda Farheen Fatema Syed Nafeesuddin
(86) International Application No	:NA	2)Dr. Mirza Shahed Baig
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a transdermal patch formulation comprising extracts of Momordica Charantia and a process for preparation thereof.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121003106 A

(19) INDIA

(22) Date of filing of Application :22/01/2021

(43) Publication Date : 12/02/2021

(54) Title of the invention : A NATURAL BIODEGRADABLE POLYMERIC DRUG DELIVERY SYSTEM OF POMEGRANATE PEEL POWDER AND ITS DERIVATIVES THEREOF.

(51) International classification	:A61K0009000000, A61K0036185000, A61K0009200000, A61L0027580000, A61K0009160000	(71) Name of Applicant : 1)Moizul Hasan Address of Applicant :Y B Chavan College of Pharmacy Dr. Rafiq Zakaria Campus, Dr. Rafiq Zakaria Marg, Rauza Bagh, Aurangabad, Maharashtra INDIA Maharashtra India
(31) Priority Document No	:NA	2)Syed Ayaz Ali
(32) Priority Date	:NA	3)Furquan Nazimuddin Khan
(33) Name of priority country	:NA	4)Mohammed Imran Anees
(86) International Application No	:NA	5)Subur Khan
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Moizul Hasan
(61) Patent of Addition to Application Number	:NA	2)Syed Ayaz Ali
Filing Date	:NA	3)Furquan Nazimuddin Khan
(62) Divisional to Application Number	:NA	4)Mohammed Imran Anees
Filing Date	:NA	5)Subur Khan

(57) Abstract :

The present invention relates to a natural biodegradable drug delivery system composed of Pomegranate peel powder, which can be employed for delivery of drugs to patients in an optimized and well controlled manner. The invention further relates to a multifunctional excipient to be used in various pharmaceutical dosage forms. The multifunction of the excipient includes viscosity enhancer, binder and filler. The drug delivery system consists of a natural biodegradable polymeric matrix of pomegranate peel powder obtained from Pomegranate fruit i.e. Punicagranatum and belongs to a family of Punicaceae. The drug delivery system consists of homogeneous blend of pomegranate peel powder, gas generating agents and therapeutically active drug. The system is particularly well suited for delivery of therapeutically active drugs in a sustained and well controlled manner.

No. of Pages : 8 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921049651 A

(19) INDIA

(22) Date of filing of Application :03/12/2019

(43) Publication Date : 04/06/2021

(54) Title of the invention : NANOSPONGE FORMULATION COMPRISING EZETIMIBE.

(51) International classification :A61K0009160000,
A61K0009000000,
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(57) Abstract :

The present invention relates to nanosponges, their preparation and use as carriers for pharmaceutical active ingredients.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121043736 A

(19) INDIA

(22) Date of filing of Application :27/09/2021

(43) Publication Date : 29/10/2021

(54) Title of the invention : NOVEL HYDROXAMIC ACID DERIVATIVES (HAS) AS HISTONE DEACETYLASE INHIBITORS (HDIS) FOR TREATMENT OF CANCER AND PROCESS FOR SYNTHESIS OF HDIS

(51) International classification :C07C0259060000, A61K0031190000, C07D0213530000, C07D0405120000, C07C0259100000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
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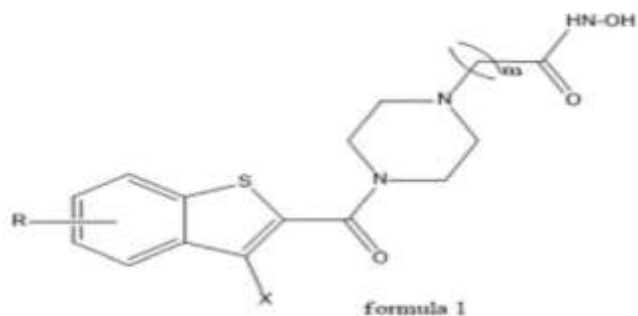
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(57) Abstract :

The present invention provides novel hydroxamic acid derivatives. More particularly, it relates to novel hydroxamic acid derivatives as histone deacetylase inhibitors (HDIs) and process for synthesis thereof. The synthesised HDIs are biological active and used for treatment of cancer, preferably breast cancer. The said derivatives are represented by formula 1. [To be published with formula 1]



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(12) PATENT APPLICATION PUBLICATION

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(19) INDIA

(22) Date of filing of Application :24/11/2021

(43) Publication Date : 03/12/2021

(54) Title of the invention : A NOVEL PROCESS FOR THE SYNTHESIS OF CICLESONIDE

(51) International classification :H01L0021320000, H01L0021033000, A61K0031580000, A61K0009000000, C07C0029480000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
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(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Abstract The present invention relates to an improved process for the preparation of Ciclesonide .More particularly which comprises a selective oxidation at position 16, 17 olefin into cis diol.

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121054089 A

(19) INDIA

(22) Date of filing of Application :24/11/2021

(43) Publication Date : 03/12/2021

(54) Title of the invention : A NOVEL PROCESS FOR THE SYNTHESIS OF DESFLUOROTRIAMCINOLONE ACETONIDE

(51) International classification :H01L0021320000, H01L0021033000, A61K0009000000, C07C0029480000, C08B0011200000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
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(57) Abstract :

Abstract The present invention relates to an improved process for the preparation of desfluorotriamcinolone acetonide. More particularly which comprises a selective oxidation at position 16, 17 olefin into diol by potassium permanganate.

No. of Pages : 14 No. of Claims : 5