



ORIGINAL

क्रम सं/Serial No. : 150245



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

397764-001

तारीख / Date

17/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **APPARATUS FOR ISOLATION AND**

**RECOVERY OF CHEMICAL COMPOUNDS** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ajay Kumar Sharma 2. Dr. Thumburu Gunasekhar 3.Dr. Amita Tilak 4.Dr. Ajit Kumar Yadav 5.Ms. Nidhi 6.Dr. G. Muthubhupathi 7.Mr. Kore Kakasaheb Jagannath 8.Mohd Mukhtar Khan 9.Dr. Syed Ifteqar Ahmed 10.Mr. Altamash Ansari 11.Dr. Pankaj Pradhan के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **APPARATUS FOR ISOLATION AND**

**RECOVERY OF CHEMICAL COMPOUNDS** in the name of 1.Dr. Ajay Kumar Sharma 2. Dr. Thumburu Gunasekhar 3.Dr. Amita Tilak 4.Dr. Ajit Kumar Yadav 5.Ms. Nidhi 6.Dr. G. Muthubhupathi 7.Mr. Kore Kakasaheb Jagannath 8.Mohd Mukhtar Khan 9.Dr. Syed Ifteqar Ahmed 10.Mr. Altamash Ansari 11.Dr. Pankaj Pradhan.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि

Date of Issue

14/12/2023



सहानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न

Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वतः अधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहीयों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.





Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6313963

Grant date: 28 September 2023

Registration date: 21 September 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Argoth Krishnamarjani Pawar, Mohd Mukhtar Khan, Dr Syed Ayaz Ali,

Sameer Salam Ahmed, Dr.Syed Iftequar Ahmed, Ms Anu Viral Patel, Dr.Saroj

Yadav, Ms. Jyoti Prakash Gurus, Mrs. Handita Abhijeet Samudra, Dr. Vinod

Kumar, Jewel Chudasama

in respect of the application of such design to:

Shock wave device for treatment of diabetic foot ulcers

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.





INTELLECTUAL  
PROPERTY INDIA  
(PATENTS) DESIGNS TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रम सं/SL No :022127501



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.

449823

आवेदन सं. / Application No.

202221076844

फाइल करने की तारीख / Date of Filing

29/12/2022

पेटेंटी / Patentee

1.Satish U. Deshmukh 2.Ashishkumar P. Katariya 3.Gajanan G. Kadam 4.Jaiprakash N. Sangshetti

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित **FUNCTIONALIZED 4H-CHROMEN-5-ONE COMPOUND AND METHOD FOR SYNTHESIS THEREOF** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख दिसम्बर 2022 के उन्नीसवें दिन 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 **FUNCTIONALIZED 4H-CHROMEN-5-ONE COMPOUND AND METHOD FOR SYNTHESIS THEREOF** as disclosed in the above mentioned application for the term of 20 years from the 29<sup>th</sup> day of December 2022 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 06/09/2023

Date of Grant :

पेटेंट नियंत्रक  
Controller of Patents

**टिप्पणी** - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, दिसम्बर 2024 के उन्नीसवें दिन 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 29<sup>th</sup> day of December 2024 and on the same day in every year thereafter.





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(PATENTS) DESIGNS TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रम सं/SL No :022127278



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.

448533

आवेदन सं. / Application No.

201921049651

फाइल करने की तारीख / Date of Filing

03/12/2019

पेटेंटी / Patentee

1.BHUSNURE OMPRAKASH G. 2.JAGTAP SNEHA R.  
3.GHOLVE SACHIN B. 4.GIRAM PADMAJA SIDRAM

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित **NANOSPONGE FORMULATION COMPRISING EZETIMIBE**, नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख दिसम्बर 2019 के तीसरे दिन 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 **NANOSPONGE FORMULATION COMPRISING EZETIMIBE**, as disclosed in the above mentioned application for the term of 20 years from the 3<sup>rd</sup> day of December 2019 in accordance with the provisions of the Patents Act, 1970.

अनुदान की तारीख : 30/08/2023

Date of Grant :



*[Signature]*

पेटेंट नियंत्रक  
Controller of Patents

**टिप्पणी** - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, दिसम्बर 2021 के तीसरे दिन 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 3<sup>rd</sup> day of December 2021 and on the same day in every year thereafter.

\*चूंकि पेटेंटी व आविष्कारकों की संख्या अधिक है, पेटेंटी व आविष्कारकों के नाम पृष्ठ संख्या 2 पर जारी हैं।

\*Since the Number of Patentees / Inventors is more, the name of Patentees / Inventors are continued on Page No. 2





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## पेटेंट प्रमाणपत्र के लिए अनुलग्नक/Annexure to Patent Certificate

पेटेंट सं. / Patent No.

448533

आवेदन सं. / Application No.

201921049651

फाइल करने की तारीख / Date of Filing

03/12/2019

पेटेंटी / Patentee (जारी/Continued)

5.SANGSHETTI JAIPRAKASH N.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6291248

Grant date: 21 August 2023

Registration date: 19 June 2023

## This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Swaroop Rameshwarji Lahoti, Ms. Pooja Keshavrao Giradkar

in respect of the application of such design to:

Device for Preparation of Co-crystals

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)





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सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

पेटेंट कार्यालय  
THE PATENT OFFICE

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

क्रमांक : 022123375  
SL No :



पेटेंट सं. / Patent No. : 426274  
आवेदन सं. / Application No. : 202221011328  
फाइल करने की तारीख / Date of Filing : 02/03/2022  
पेटेंटी / Patentee : 1.DEVENDRA S. WAGARE 2.SAGAR E. SHIRSATH  
3.SHAIKH MUJAHED SHAIKH HAMEED 4.ANIL  
SUBHANRAO GAIKWAD et al. et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित A NANOCATALYST AND PROCESS FOR SYNTHESIS OF A-AMINO PHOSPHONATES USING SAID CATALYST नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख मार्च 2022 के दूसरे दिन 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 A NANOCATALYST AND PROCESS FOR SYNTHESIS OF A-AMINO PHOSPHONATES USING SAID CATALYST as disclosed in the above mentioned application for the term of 20 years from the 2<sup>nd</sup> day of March 2022 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 22/03/2023  
Date of Grant :

पेटेंट नियंत्रक  
Controller of Patent

**टिप्पणी** - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, मार्च 2024 के दूसरे दिन 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 2<sup>nd</sup> day of March 2024 and on the same day in every year thereafter.



पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

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निर्गमन सं. 11/2022  
ISSUE NO. 11/2022

शुक्रवार  
FRIDAY

दिनांक: 18/03/2022  
DATE: 18/03/2022

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE



(54) Title of the invention : A NANOCATALYST AND PROCESS FOR SYNTHESIS OF A-AMINO PHOSPHONATES USING SAID CATALYST

(51) International classification :C07F0009400000, B01J0035000000, C07F0009656100, B01J0023882000, C07F0009572000  
 (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

## (71)Name of Applicant :

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## 2)SAGAR E. SHIRSATH

## 3)SHAIKH MUJAHED SHAIKH HAMEED

## 4)ANIL SUBHANRAO GAIKWAD

## 5)BHARATNATHA P. GAIKWAD

## 6)JAIPRAKASH N. SANGSHETTI

## 7)DHANRAJ R. MANE

Name of Applicant : NA

Address of Applicant : NA

## (72)Name of Inventor :

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## 5)BHARATNATHA P. GAIKWAD

Address of Applicant :VIVEKANAND ARTS, SARDAR DALIPSINGH COMMERCE AND SCIENCE COLLEGE, SAMARTH NAGAR, AURANGABAD 431001, MAHARASHTRA, INDIA -----

## 6)JAIPRAKASH N. SANGSHETTI

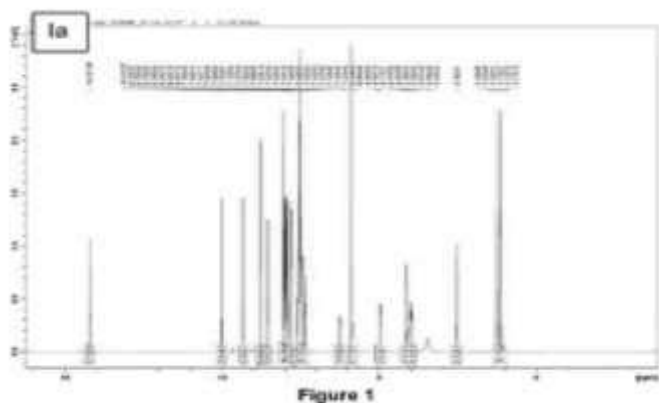
Address of Applicant :Y. B. CHAVAN COLLEGE OF PHARMACY, DR. RAFIQ ZAKARIA CAMPUS, RAUZA BAGH, AURANGABAD 431001, MAHARASHTRA, INDIA -----

## 7)DHANRAJ R. MANE

Address of Applicant :DIRECTOR, HIGHER EDUCATION, GOVERNMENT OF MAHARASHTRA, PUNE – 411001, MAHARASHTRA, INDIA -----

## (57) Abstract :

A NANOCATALYST AND PROCESS FOR SYNTHESIS OF a-AMINO PHOSPHONATES USING SAID CATALYST The present invention provides a novel nanocatalyst  $\text{NaAlSi}_2\text{O}_3$  and process for synthesis the same. Furthermore it provides one-pot synthesis of a-amino phosphonate compounds using said nanocatalyst. Described process herein is an easy and straightforward which saves energy, avoids time consuming purification steps, reduces costs and provides better yields as compared with those a-amino phosphonate compounds obtained through the traditional stop-and-go approach. The a-amino phosphonate compounds is selected from the compound of formula I and formula II.



No. of Pages : 27 No. of Claims : 10



# Urkunde

über die Eintragung des  
Gebrauchsmusters Nr. 20 2022 106 030

**Bezeichnung:**

Trockenpulverinhalator-Formulierung zur Behandlung von Lungeninfektionen

**IPC:**

A61K 31/496

**Inhaber/Inhaberin:**

Kabra, Vinayak Deepchand, Dr., Aurangabad, Maharashtra, IN  
Lahoti, Swaroop R., Dr., Aurangabad, Maharashtra, IN

**Tag der Anmeldung:**

26.10.2022

**Tag der Eintragung:**

13.02.2023

Die Präsidentin des Deutschen Patent- und Markenamts



Eva Schewior  
München, 13.02.2023







**INTELLECTUAL  
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PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रमांक : 022117714  
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. : 394584  
आवेदन सं. / Application No. : 201921029053  
फाइल करने की तारीख / Date of Filing : 18/07/2019  
पेटेंटी / Patentee : 1.HEMANT DEVIDAS UNE 2.KHAN DURESHAHWAR  
RIYAZ ALI 3.MOHAMMED MUBASHIR FAUZI AKHTER

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित A PHARMACEUTIAL COMPOSITION FOR THE TREATMENT OF DIABETIC NEUROPATHY AND PROCESS OF PREPARATION THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 18th day of July 2019 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 A PHARMACEUTIAL COMPOSITION FOR THE TREATMENT OF DIABETIC NEUROPATHY AND PROCESS OF PREPARATION THEREOF as disclosed in the above mentioned application for the term of 20 years from the 18th day of July 2019 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 08/04/2022  
Date of Grant :

पेटेंट नियंत्रक  
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 18th day of July 2021 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 18th day of July 2021 and on the same day in every year thereafter.





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PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

पेटेंट कार्यालय  
THE PATENT OFFICE

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

क्रमांक : 022121217  
SL No :



पेटेंट सं. / Patent No. : 414245  
आवेदन सं. / Application No. : 202222030116  
फाइल करने की तारीख / Date of Filing : 02/03/2022  
पेटेंटी / Patentee : 1.DEVENDRA S. WAGARE 2.SAGAR E. SHIRSATH  
3.SHAIKH MUJAHED SHAIKH HAMEED 4.ANIL  
SUBHANRAO GAIKWAD et al. et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित A-AMINO PHOSPHONATE COMPOUNDS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख मार्च 2022 के दूसरे दिन 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 A-AMINO PHOSPHONATE COMPOUNDS as disclosed in the above mentioned application for the term of 20 years from the 2<sup>nd</sup> day of March 2022 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 12/12/2022  
Date of Grant :

पेटेंट नियंत्रक  
Controller of Patent

**टिप्पणी** - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, मार्च 2024 के दूसरे दिन 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 2<sup>nd</sup> day of March 2024 and on the same day in every year thereafter.



पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

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निर्गमन सं. 23/2022  
ISSUE NO. 23/2022

शुक्रवार  
FRIDAY

दिनांक: 10/06/2022  
DATE: 10/06/2022

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE



## (54) Title of the invention : A-AMINO PHOSPHONATE COMPOUNDS

(51) International classification :C07F0009400000, C07F0009656100, A01N0043920000, A01N0033060000, C07F0009380000  
 (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 :202221011328  
 Filed on :02/03/2022

## (71)Name of Applicant :

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**2)SAGAR E. SHIRSATH****3)SHAIKH MUJAHED SHAIKH HAMEED****4)ANIL SUBHANRAO GAIKWAD****5)BHARATRATNA P. GAIKWAD****6)JAIPRAKASH N. SANGSHETTI****7)DHANRAJ R. MANE**

Name of Applicant : NA

Address of Applicant : NA

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**1)DEVENDRA S. WAGARE**

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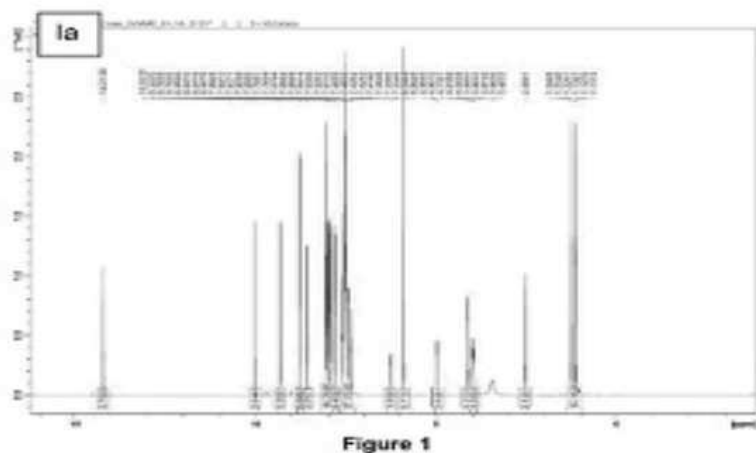
Address of Applicant :Y. B. CHAVAN COLLEGE OF PHARMACY DR. RAFIQ ZAKARIA CAMPUS, RAUZA BAGH, AURANGABAD MAHARASHTRA INDIA 431001 -----

**7)DHANRAJ R. MANE**

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## (57) Abstract :

ABSTRACT The present invention provides a-amino phosphonate compounds. The a-amino phosphonate compounds is selected from the compound of formula I and formula II.







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

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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 10<sup>th</sup> 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 10<sup>th</sup> 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





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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.





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सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE  
पेटेंट प्रमाणपत्र  
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 बयांशकृत A TOPICAL ANTIMICROBIAL HERBAL FORMULATION नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 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 :

रवि जेठवा  
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाय है, 21st day of March 2016 को और उसके पश्चात प्रत्येक वर्ष से इसी दिन देय होगी।

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.





**INTELLECTUAL  
PROPERTY INDIA**

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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.

**INTELLECTUAL  
PROPERTY INDIA**  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS



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

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.





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 नियंत्रक  
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 19th day of October 2018 से 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.





Office of the Controller General of Patents, Designs & Trade Marks  
Department of Industrial Policy & Promotion,  
Ministry of Commerce & Industry,  
Government of India



#### Application Details

APPLICATION NUMBER	202321039227
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/06/2023
APPLICANT NAME	1 . ANSARI DANISH 2 . SYED AYAZ ALI 3 . MOHD MUKHTAR KHAN 4 . FURQUAN NAZIMUDDIN KHAN
TITLE OF INVENTION	POLYHERBAL EXTRACT FORMULATION FOR THE MANAGEMENT AND TREATMENT OF CANCER.
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	furkhankhan11@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	02/09/2023
PUBLICATION DATE (U/S 11A)	01/09/2023

#### Application Status



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/12/2022

(21) Application No.202241069534 A

(43) Publication Date : 27/01/2023

(54) Title of the invention : DIAGNOSIS OF DIABETIC RETINOPATHY USING OPTICAL COHERENCE TOMOGRAPHY AND MACHINE LEARNING APPROACH

(51) International classification :G01B0009020910, A61B0005000000, G06N0020000000, G06N0003080000, A61B0003100000  
(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

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**3)Christina**  
**4)Dr. Ajoke Akinola**  
**5)Dr. Subba Rao Peram**  
**6)Dr. Nalini Kanta Sahoo, M.Pharm,Ph.D, Fssas**  
**7)Dr. Sayyed Mateen**  
**8)Mr. Imran Wahab Sayad**  
**9)Dr. K Sreerama Murthy**  
**10)Mr. M Dhanaraju**  
**11)Dr. V. Kannan**  
**12)Mr. J Logeshwaran**  
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**8)Mr. Imran Wahab Sayad**  
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**10)Mr. M Dhanaraju**  
Address of Applicant :Assistant Professor, Information Technology, Sreenidhi Institute Of Science And Technology, Hyderabad – 500072, Telangana, India Hyderabad -----  
**11)Dr. V. Kannan**  
Address of Applicant :Managing Director, CLDC Research And Development No.997, Mettupalayam Road, Near X-Cut Signal, R.S.Puram, Coimbatore - 641002, Tamil Nadu, India Coimbatore -----  
**12)Mr. J Logeshwaran**  
Address of Applicant :Research Scholar, Department Of Electronics And Communication Engineering, Sri Eshwar College Of Engineering, Coimbatore, Tamil Nadu, India Coimbatore -----

(57) Abstract :

Diabetes is a medical condition that affects the body's ability to process blood sugar, also known as blood glucose. It affects many parts of the body like eyes, kidneys, liver, feet. Eye exams are very important for diabetics because retinopathy can cause no symptoms at first, so it is important to detect the early signs. A foot exam once or twice a year (or at each doctor's visit) can help detect unhealed ulcers and poor circulation. Early detection of foot and eye problems in diabetes can be very helpful for your doctor to prescribe the right treatment. If left untreated, diabetes can cause many problems for your nerves, eyes, feet, kidneys, or other organs. Diabetes affects many parts of the body, including the eyes. A major concern for diabetic eye health is the development of a condition known as diabetic retinopathy. It forms when the blood vessels in the retina are damaged. The retina is a light-sensitive part of the back of your eye. This damage can cause blood vessels to thicken, close, clot, leak, or grow bacteria. In some cases, fluid can build up in the area of the retina that is used to perform essential tasks such as reading.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202221055895 A

(19) INDIA

(22) Date of filing of Application : 04/10/2022

(43) Publication Date : 14/10/2022

(54) Title of the invention : DRY POWDER INHALER FORMULATION AND PROCESS THEREOF FOR TREATING LUNG INFECTIONS

(51) International classification : A61K0009000000, A61P0011000000, C07D0215560000, A61P0031040000, A61K0009140000

(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

(71) Name of Applicant :

**1) Mr. Vinayak Deepchand Kabra**

Address of Applicant : Y. B. Chavan College of Pharmacy, Roza Bagh, Aurangabad (MS) 431001 -----

**2) Dr. Swaroop R. Lahoti**

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Inventor :

**1) Mr. Vinayak Deepchand Kabra**

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**2) Dr. Swaroop R. Lahoti**

Address of Applicant : Y. B. Chavan College of Pharmacy, Roza Bagh, Aurangabad (MS) 431001 -----

(57) Abstract :

The present invention has developed an inhalable dry powder formulation comprising Ivacaftor, L-salbutamol and ciprofloxacin loaded in L-leucine/BSA microparticles with both dissolution enhancement and superior aerodynamic properties for potential pulmonary delivery of a poorly water-soluble drug, ivacaftor for the treatment of lung infections like cystic fibrosis. The dry powder formulation exhibits adequate mucoadhesive strength, thus increasing the retention capacity and also has more than 85% of dose emitted dose percentage. Ivacaftor, L-salbutamol and ciprofloxacin loaded in L-leucine/BSA microparticles shows enhanced antimicrobial activity against *P. aeruginosa*.





(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121003256 A

(19) INDIA

(22) Date of filing of Application :23/01/2021

(43) Publication Date : 29/07/2022

(54) Title of the invention : ANTITUBERCULAR COMPOUND AND PROCESS OF PREPARATION THEREOF

(51) International classification	:A61K0031497000, A61K0031418400, C07C0231020000, C07D0235260000, C07D0498040000	(71)Name of Applicant : <b>1)Miss. Pratiksha Narayan Sonwane</b> Address of Applicant :Y. B Chavan College of Pharmacy Rauza Bagh, P. O. Box-33. Aurangabad Maharashtra India Maharashtra India <b>2)Dr. Mirza Shahed Baig</b>
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)Miss. Pratiksha Narayan Sonwane</b>
(33) Name of priority country	:NA	<b>2)Dr. Mirza Shahed Baig</b>
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an anti-tubercular Benzimidazole derivative compound of formula (I) or a pharmaceutically acceptable salt thereof; (Formula I) wherein group -R is -CH<sub>2</sub>Cl or or The invention also relates to a process of preparation of anti-tubercular Benzimidazole derivative compound of formula (I) or a pharmaceutically acceptable salt thereof.

No. of Pages : 29 No. of Claims : 9



(54) Title of the invention : NOVEL N-4-(SUBSTITUTED ARYL)-N-2-(4-CHLOROPYRIMIDIN-2-YL)-6,7-DIMETHOXYQUINAZOLINE-2, 4-DIAMINES AS ANTICANCER AGENTS

(51) International classification : A61P0035000000, A61K0031437000, A61K0031506000, A61P0011060000, A61P0037080000

(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

(71) Name of Applicant :

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2) SHWETA ASHOK MORE

3) NIKHIL KUMAR SUDHIR SAKLE

4) ARCHANA DHAVALE

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Inventor :

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3) NIKHIL KUMAR SUDHIR SAKLE

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4) ARCHANA DHAVALE

Address of Applicant : Department of Biochemistry, Government Medical College and Cancer Hospital, Aurangabad -----

(57) Abstract :

ABSTRACT The invention relates to synthesis and biological screening of novel N-4-(substituted aryl)-N-2-(4-chloropyrimidin-2-yl)-6,7-dimethoxyquinazoline-2, 4-diamines analogues of the general Formula A, their salts, hydrates, and pharmaceutical compositions. The invention also relates to the methods of preparation of the novel N-4-(substituted aryl)-N-2-(4-chloropyrimidin-2-yl)-6,7-dimethoxyquinazoline-2, 4-diamines analogues. Formula A

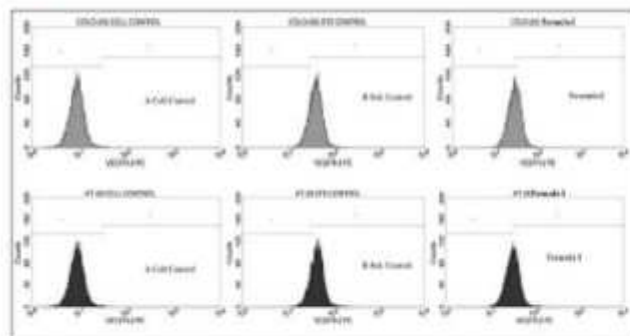


Fig. 1: Viability study of Untreated A431 cells (control) and Formula 1C against the COLO-205 and HT-29 cells using BD FACS Calibur, Cell Quest Pro Software (Version: 6.0)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121057761 A

(19) INDIA

(22) Date of filing of Application :13/12/2021

(43) Publication Date : 04/02/2022

(54) Title of the invention : HERBAL DRUG DELIVERY SYSTEM OF BOSWELLIC ACID

(51) International classification :A61K0009000000, A61K0038000000, A61K0031190000, A61K0031416400, C07D0413120000

(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

(71)Name of Applicant :

1)Furquan Nazimuddin Khan

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2)Girish Nihalani

3)Subur Wadood Khan

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

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2)Girish Nihalani

Address of Applicant :Teva Pharmaceuticals, USA. -----

3)Subur Wadood Khan

Address of Applicant :Y. B. Chavan College of Pharmacy, Dr. Rafiq Zakaria Campus, Rauza Bagh, Aurangabad, Maharashtra, India, 431001. -----

(57) Abstract :

The present invention provides herbal drug delivery system of Boswellic acid and its derivatives administered through oropharyngeal or nasal route with enhanced absorption and quick onset of action for the treatment and management of inflammation in a mammal. The drug delivery system is directed for systemic or local delivery of Boswellic acid. The herbal drug delivery system of Boswellic acid is effective in a number of inflammatory disorders such as inflammatory joint disease, Pulmonary inflammation, respiratory tract infection, chronic obstructive pulmonary disease, asthma, lung cancer, emphysema, acute respiratory distress syndrome, bronchitis, hyper inflammatory response due to SARS-CoV-2 causing coronavirus disease 2019 and the like.

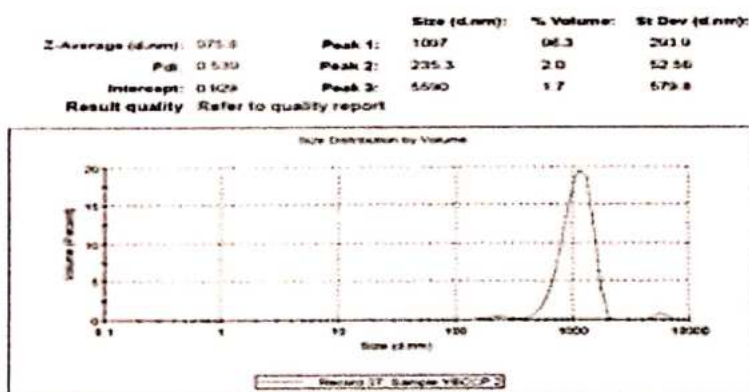


Figure 1: The particle size analysis of Boswellic acid.

No. of Pages : 17 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application : 17/09/2022

(21) Application No. 202221053268 A

(43) Publication Date : 30/09/2022

(54) Title of the invention : A PHARMACEUTICAL CHALCONE DERIVATIVE AND A PROCESS OF PREPARATION THEREOF

(51) International classification : A61K0045060000, A61K0009000000, C07D0207333000, C07C0303220000, C07C0045300000

(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

(71) Name of Applicant :

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3) Bhagyashree Anna Mokle

Name of Applicant : NA

Address of Applicant : NA

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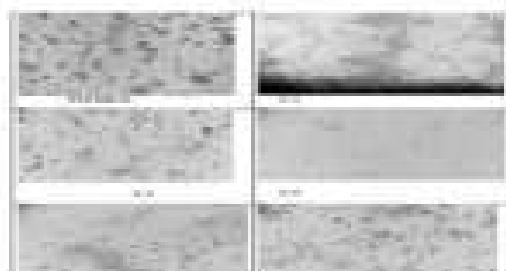
Address of Applicant : Department of Pharmaceutical Chemistry, Y. B. Chavan College of Pharmacy Maharashtra India Aurangabad -----

3) Bhagyashree Anna Mokle

Address of Applicant : Department of Pharmaceutical Chemistry, Y. B. Chavan College of Pharmacy Maharashtra India Aurangabad -----

(57) Abstract :

The present invention relates to a pharmaceutical chalcone derivative of Formula (I) and a process of preparation thereof. The pharmaceutical chalcone derivative of Formula (I) is an anti-cancer/anti-breast cancer compound having 50 to 75 % Epidermal Growth Factor (EGFR) inhibition at a concentration ranging from 10-100 µg/ml. The process for preparing a pharmaceutical chalcone derivative of Formula (I) of present invention is simple four steps process, wherein a chalcone is substituted with a heterocyclic organic compound in presence of an acid in ethanol at an ambient temperature.



(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 : <b>1)Miss. Syeda Farheen Fatema Syed Nafeesuddin</b> Address of Applicant :Department of Quality Assurance, Maulana Azad Educational Trust <sup>TM</sup> s, Y.B Chavan College of Pharmacy Dr. Rafiq Zakaria Campus Aurangabad Maharashtra India Maharashtra India <b>2)Dr. Mirza Shahed Baig</b>
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	<b>1)Miss. Syeda Farheen Fatema Syed Nafeesuddin</b>
(33) Name of priority country	:NA	<b>2)Dr. Mirza Shahed Baig</b>
(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 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 : <b>1)Moizul Hasan</b> 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	<b>2)Syed Ayaz Ali</b>
(32) Priority Date	:NA	<b>3)Furquan Nazimuddin Khan</b>
(33) Name of priority country	:NA	<b>4)Mohammed Imran Anees</b>
(86) International Application No	:NA	<b>5)Subur Khan</b>
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	<b>1)Moizul Hasan</b>
(61) Patent of Addition to Application	:NA	<b>2)Syed Ayaz Ali</b>
Number	:NA	<b>3)Furquan Nazimuddin Khan</b>
Filing Date	:NA	<b>4)Mohammed Imran Anees</b>
(62) Divisional to Application Number	:NA	<b>5)Subur Khan</b>
Filing Date	:NA	

(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.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  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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3)Mr. MOHAMMED Imran Anees

Name of Applicant : NA

Address of Applicant : NA

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2)Dr. MIRZA Shahed Baig

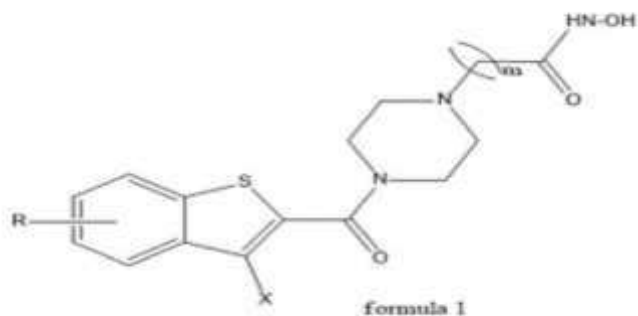
Address of Applicant :Y. B. Chavan College of Pharmacy, Rauza Bagh, Aurangabad-431001. Maharashtra, India. -----

3)Mr. MOHAMMED Imran Anees

Address of Applicant :Y. B. Chavan College of Pharmacy, Rauza Bagh, Aurangabad-431001. Maharashtra, India. -----

(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]



No. of Pages : 30 No. of Claims : 9



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121054088 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 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  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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**2)DR. PRASHANT DEORAO NETANKAR**

**3)DR. SANTOSH NAMDEO MOKALE**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

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**3)DR. SANTOSH NAMDEO MOKALE**

Address of Applicant :129, PETHE NAGAR BHUSINGPURA, AURANGABAD - 431001 -----

(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.

No. of Pages : 13 No. of Claims : 4

(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  
Filing Date :NA

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(72)Name of Inventor :

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**3)DR. SANTOSH NAMDEO MOKALE**

Address of Applicant :129, PETHE NAGAR BHUSINGPURA, AURANGABAD - 431001 -----

(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



(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.201821008147 A

(19) INDIA

(22) Date of filing of Application :06/03/2018

(43) Publication Date : 20/07/2018

(54) Title of the invention : NOVEL PROCESS FOR THE SYNTHESIS OF CLOBETASOL PROPIONATE

(51) International classification	:C07C 53/122 C12P 7/52 G10L 13/00	(71)Name of Applicant : 1)PATIL SANJEEV RAJARAM Address of Applicant :RH-85, B/412, ROHIDESHWAR DARSHAN, MIDC PHASE II, DOMBIVLI (EAST), MUMBAI- 421 203, MAHARASHTRA, INDIA, Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)SANJEEV RAJARAM PATIL
(32) Priority Date	:NA	2)DEVANAND BABURAO SHINDE
(33) Name of priority country	:NA	3)MADHAV VASANT DHAMDHERE
(86) International Application No	:NA	4)ANIL SHRIDHARRAO BOBADE
Filing Date	:NA	5)ASHISH L. ARSONDKAR
(87) International Publication No	:NA	6)JAIPRAKASH N. SANGSHETTI
(61) Patent of Addition to Application Number	:NA	7)VRUSHALI N. PATIL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a process of preparation of Clobetasol propionate comprising Steps- a) Betamethasone 17-propionate (stage-1) Charging Betamethasone in Dimethylformamide and P-toluenesulfonic acid at 10-15°C under Stirring & followed by addition of trimethyl ortho propionate/tributyl ortho propionate, further continued stirring at the same temperature for 3-5 hrs, the reaction was monitored for completion by TLC, reaction mass was quenched in purified water at 10-15°C, acidified with 2N H<sub>2</sub>SO<sub>4</sub> up to pH=1.0-2.0. Solid isolated filtered, again washed with DM water, filtered the wet solid and suck dried completely, wet solid dried in tray drier at 50-55°C completely to stage-1 dry solid. b) Betamethasone 21-Tosylate (stage-2) Charging of Stage-1 in DMF under stirring and addition of p-Dimethylaminopyridine followed by addition of P-toluenesulfonyl chloride and reaction at 60-65°C, the reaction was monitored for completion by TLC, insitu used reaction mass for next step. c) Clobetasol propionate In insitu reaction mass added LiCl and continued stirring at the same temperature to remove tosylate group at 60-65°C to chloro group, monitored reaction completion by TLC, after reaction completion, quenched the reaction mass in ice water and material precipitated out, filtered, suck dried and washed with DM water, dried in oven to obtain Clobetasol propionate dry solid.

No. of Pages : 11 No. of Claims : 6



पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
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शुक्रवार  
**FRIDAY**

दिनांक: 24/11/2023  
DATE: 24/11/2023

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : STEROIDAL LIP BALM OF METHYL PREDNISOLONE TO TREAT GLANDULAR CHEILITIS

(51) International classification :A61Q0019000000, A61K0008920000, A61K0008670000, A45D0040000000, A61Q0001040000

(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

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3)Mr. Rupesh Khalse

4)Mr. Shrinath Kale

5)Ms. Sabahat Khanum

6)Ms. Pratiksha Kale

7)Mr. Shaikh Aklakh Gaffar

8)Mr. Shaikh Alim Usman

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## (57) Abstract :

The present invention relates to develop and evaluate steroidal lip balm of Methyl prednisolone to treat Glandular Cheilitis over lips. Another invention relates to preparation of steroidal lip balm by using suitable waxes and oils.



Fig:1 Blank batches.

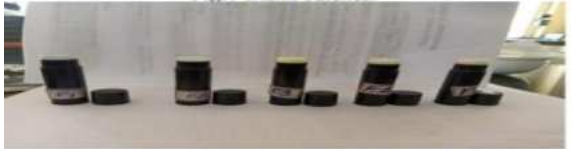


Fig: 2 Batches with drug and polymer.

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