

ारत सरकार, घॅपिव मंधडी रदउत, उग्तउ मतवग्त, (ORIGINAL)) व्रित्रेव कार्यभालय, ଭାରତ ସରକାର, قَالَ क्रम्.सं/ Serial No. : 194201 د إلا منهجين جو دفتر, هندستا, बोद्धिक सम्पा



भारतराज्य पेटेंट कार्यालय, भारत सरकार का The Patent Office, Government Of Indi १८ ४४७ ४ ४७३४७७७ ८ ७७७७७० ८ ४७३४७ बोट्रिक संपदाचा कार्यालय, भारत सरकार क्विक वर्षे कार्यालय, कार्क वर्षे । डिजाइन के पंजीकरण का प्रमाण पत्र को कि Certificate of Registration of Design

डिजाइन सं. / Design No. तारीख / Date

जारी करने की तिथि : 11/03/2025

रकार. बौद्धिक संपदा काय

Date of Issue

440204-001

सत्यमेव जयते

पारस्परिकता तारीख / Reciprocity Date* : देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो TUNABLE DIODE LASER ABSORPTION SPECTROMETER से संबंधित है, का पंजीकरण, श्रेणी 10-04 में 1.Dr. Sreenivasa Charan Archakam 2. Dr. Keerthisikha Palur 3.Dr. Nagaveni Pommala 4.Dr. Putta Ravi 5.Sailasree Devarala 6.P. Srikanth Reddy 7.G. Archana 8.Dr. Jyosna Doniparthi 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 10-04 in respect of the application of such design to *TUNABLE DIODE LASER ABSORPTION SPECTROMETER* in the name of 1.Dr. Sreenivasa Charan Archakam 2. Dr. Keerthisikha Palur 3.Dr. Nagaveni Pommala 4.Dr. Putta Ravi 5.Sailasree Devarala 6.P. Srikanth Reddy 7.G. Archana 8.Dr. Jyosna Doniparthi.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

> महानियंत्रक 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 स्वत्वाधिकार 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 कार्यवाहियों 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.



ारत सरकार, घॅपिव मंधडी रदउत, उग्तउ मतवग्त, (ORIGINAL)) व्रित्रेव कार्यभालय, ଭାରତ ସରକାର, قَالَ क्रम्.सं/ Serial No. : 194201 د إلا منهجين جو دفتر, هندستا, बोद्धिक सम्पा



भारतराज्य पेटेंट कार्यालय, भारत सरकार का The Patent Office, Government Of Indi १८ ४४७ ४ ४७३४७७७ ८ ७७७७७० ८ ४७३४७ बोट्रिक संपदाचा कार्यालय, भारत सरकार क्विक वर्षे कार्यालय, कार्क वर्षे । डिजाइन के पंजीकरण का प्रमाण पत्र को कि Certificate of Registration of Design

डिजाइन सं. / Design No. तारीख / Date

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सत्यमेव जयते

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प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो TUNABLE DIODE LASER ABSORPTION SPECTROMETER से संबंधित है, का पंजीकरण, श्रेणी 10-04 में 1.Dr. Sreenivasa Charan Archakam 2. Dr. Keerthisikha Palur 3.Dr. Nagaveni Pommala 4.Dr. Putta Ravi 5.Sailasree Devarala 6.P. Srikanth Reddy 7.G. Archana 8.Dr. Jyosna Doniparthi के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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> महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks

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भारतराज्य पेटेंट कार्यालय, भारत सरकार का The Patent Office, Government Of Indi १८ ४४७ ४ ४७३४७७७ ८ ७७७७७० ८ ४७३४७ बोट्रिक संपदाचा कार्यालय, भारत सरकार क्विक वर्षे कार्यालय, कार्क वर्षे । डिजाइन के पंजीकरण का प्रमाण पत्र को कि Certificate of Registration of Design

डिजाइन सं. / Design No. तारीख / Date

जारी करने की तिथि : 11/03/2025

रकार. बौद्धिक संपदा काय

Date of Issue

440204-001

सत्यमेव जयते

पारस्परिकता तारीख / Reciprocity Date* : देश / Country

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Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6395373 Grant date: 09 October 2024 Registration date: 04 October 2024

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. Neeraj Bhandari, Miss. Priyanka Shashikant Lad, Mrs Siddhi Amey Vernekar,

Miss. Pallavi Sharad Wagh, Miss Jayshreemaa Biswal, Dr Puligundla Lakshmi,

Dr. Sudhakar Pachiappan, Mr. Sabarinath Chandrasekar, Miss Priyanka Gupta,

Miss Vishnupriya Srinivasiahsetty

in respect of the application of such design to:

Multi-Layered Drug-Loaded Microneedle Patch for Hormonal Therapy

International Design Classification: Version: 14-2023 Class: 24 MEDICAL AND LABORATORY EQUIPMENT Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE



long Williams

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

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OFFICIAL JOURNAL OF THE PATENT OFFICE

निर्गमन सं. 36/2024	शुक्रवार	दिनांकः 06/09/2024
ISSUE NO. 36/2024	FRIDAY	DATE: 06/09/2024

पेटेंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 36/2024 Dated 06/09/2024

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(PROF. (DR) UNNAT P. PANDIT) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

06th september, 2024

(22) Date of filing of Application :24/08/2024

(54) Title of the invention : A METH

(43) Publication Date : 06/09/2024

DD FOR COLON-TARGETED DRUG DELIVERY OF RABEPRAZOLI	E USING POLYSACCHARIDE-BASED COMPRESSION COATED TABLETS
	 (71)Name of Applicant : (71)Nr. Saravanakumar Kasimedu Address of Applicant : Director (Academics) and Professor, Department of Pharmaceutics, Seven Hills College of Pharmacy, Venkatramapuram, Tirupati - 517561, Andhra Pradesh, India. Tirupati

8)Arumilli Swetha 9)Dr. Durga Srinivasarao 10)Bakka Jagadeesh Babu 11)D. Meena 12)Chandana Gade Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Saravanakumar Kasimedu

2)Dr. Uppala Mohan Kumar

:A61K9/20, A61K9/28, A61K9/32, A61K9/34, A61K9/36, A61K47/38, A61K47/36, A61K31/4184 (51) International classification Address of Applicant :Professor and Principal, Nirmala College of Pharmacy, Ukkayapalli, Hyderabad -Chennai Bypass, Kadapa, Y. S. R. - 516002 , Andhra Pradesh, India. Kadapa (86) International Application No :NA 3)Dr. Anumalagundam Srikanth Filing Date :NA Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis, Vasavi Institute of (87) International Publication No : NA Pharmaceutical Sciences, Bhakarapeta, Kadapa - 516247, Andhra Pradesh, India. Kadapa 4)Dr. Chennuru Madhavi Latha (61) Patent of Addition to :NA Application Number ·NA Address of Applicant :Principal and Professor, Department of Pharmacology, Sree Venkateswara College of Filing Date Pharmacy, North Rajupalem, Kodavaluru (V and M), Nellore - 524316, Andhra Pradesh, India. Nellore -(62) Divisional to Application :NA Number ·NA 5)Dr. Balaii Pendakur Filing Date Address of Applicant : Professor and Head, Department of Pharmaceutical Chemistry, Sri Padmavati School of Pharmacy, Tiruchanoor, Tirupati - 517503, Andhra Pradesh, India. Tirupati 6)Dr. Ramya Mobbineni Address of Applicant :Assistant Professor, Department of Pharmacy Practice, Sri Venkateswara College of Pharmacy, Chittoor - 516002, Andhra Pradesh, India. Chittoor 7)Dr. Deepak Kumar Address of Applicant :Principal and Professor, Krishna Institute of Pharmacy, Satkira, Top Chanchi, Dhanbad – 828402, Jharkhand, India. Dhanbad -------8)Arumilli Swetha Address of Applicant :Associate Professor, Department of Pharmaceutics, Aditya College of Pharmacy, Surampalem, Kakinada - 533437, Andhra Pradesh, India. Kakinada ------9)Dr. Durga Srinivasarao

Address of Applicant Associate Professor, Department of Pharmaceutics, M. R. College of Pharmaceutical Sciences and Research, Balisha, Bira North 24 PGS - 743234, West Bengal, India. Balisha ------10)Bakka Jagadeesh Babu

Address of Applicant :Director (Academics) and Professor, Department of Pharmaceutics, Seven Hills College

of Pharmacy, Venkatramapuram, Tirupati - 517561, Andhra Pradesh, India. Tirupati

Address of Applicant: Associate Professor, Department of Pharmaceutics, Vasavi Institute of Pharmaceutical Sciences, Bhakarapeta , Kadapa - 516247, Andhra Pradesh, India. Kadapa -------11)D. Meena

Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis, Seven Hills College of Pharmacy, Venkatramapuram, Tirupati - 517561, Andhra Pradesh, India. Tirupati -12)Chandana Gade

Address of Applicant :Student, Department of Pharmaceutics, Seven Hills College of Pharmacy, Venkatramapuram, Tirupati -517561, Andhra Pradesh, India. Tirupati ----

(57) Abstract :

The present invention relates to a novel colon-targeted drug delivery system for Rabeprazole, designed to enhance the drug's oral bioavailability and protect it from acid degradation in the upper gastrointestinal tract. The system comprises a core tablet containing a solid dispersion of Rabeprazole with a polymer mixture, including magnesium oxide and hydroxypropyl methylcellulose (HPMC). This core is surrounded by a compression coating made from polysaccharide-based polymers such as pectin, guar gum, or xanthan gum. The coating remains intact in the stomach and small intestine, ensuring the drug's release is delayed until it reaches the colon, where it is triggered by enzymatic degradation by colonic microfilora. This targeted delivery approach is particularly beneficial for the treatment of gastrointestinal conditions, where localized drug release in the colon can improve therapeutic outcomes while reducing systemic side effects. The invention also includes methods for preparing the coated tablets and evaluating their in vitro dissolution properties to confirm colon-specific release.

No. of Pages : 20 No. of Claims : 7



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Application Details		
APPLICATION NUMBER	202441064050	
APPLICATION TYPE	ORDINARY APPLICATION	
DATE OF FILING	24/08/2024	
APPLICANT NAME	 Dr. Saravanakumar Kasimedu Dr. Uppala Mohan Kumar Dr. Anumalagundam Srikanth Dr. Chennuru Madhavi Latha Dr. Balaji Pendakur Dr. Ramya Mobbineni Dr. Deepak Kumar Arumilli Swetha Dr. Durga Srinivasarao Bakka Jagadeesh Babu D. Meena Chandana Gade 	
TITLE OF INVENTION	A METHOD FOR COLON-TARGETED DRUG DELIVERY OF RABEPRAZOLE USING POLYSACCHARIDE-BASED COMPRESSION COATED TABLETS	
FIELD OF INVENTION	CHEMICAL	
E-MAIL (As Per Record)	patents@allinnov.org	
ADDITIONAL-EMAIL (As Per Record)		
E-MAIL (UPDATED Online)		
PRIORITY DATE		
REQUEST FOR EXAMINATION DATE		
PUBLICATION DATE (U/S 11A)	06/09/2024	



OFFICIAL JOURNAL OF THE PATENT OFFICE

निर्गमन सं. 43/2024	शुक्रवार	दिनांकः 25/10/2024
ISSUE NO. 43/2024	FRIDAY	DATE: 25/10/2024

पेटेंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 43/2024 Dated 25/10/2024

(22) Date of filing of Application :20/10/2024

(43) Publication Date : 25/10/2024

(54) Title of the invention : A VALIDATED RP-UPLC METHOD FOR SIMULTANEOUS PHARMACEUTICAL ESTIMATION OF TIPIRACIL AND TRIFLURIDINE		

(51) International classification (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:G01N0030020000, A61K0031707200, A61K0031513000, G01N0030880000, G01N0030740000 2 :NA :NA 2 :NA 2 :NA 2 :NA 2 :NA 2 :NA 2 :NA 2 :NA 2 :NA	 (71)Name of Applicant 1: 1)Dravidamani Meena Address of Applicant Assistant Professor, Department of Pharmaceutical Analysis, Seven Hills College of Pharmacy, Venkatramapuram, Tirupati - 17561, Andhra Pradesh, India. Tirupati
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(37) Abstract : A novel method for the simultaneous estimation of Tipiracil and Trifluridine in pharmaceutical dosage forms has been developed and validated using Reverse-Phase Ultra Performance Liquid Chromatography (RP-UPLC). The method employs a BEH C18 column, with a mobile phase consisting of 30% phosphate buffer (pH 3.5) and 70% methanol, operated at a flow rate of 0.3 mL/min, and a detection wavelength of 251 nm. The retention times for Tipiracil and Trifluridine were found to be approximately 1.913 minutes and 2.838 minutes, respectively. The method was validated for linearity, precision, accuracy, and robustness, ensuring its reliability and reproducibility for pharmaceutical quality control. The developed RP-UPLC method demonstrated excellent separation and quantification capabilities, making it suitable for routine analysis of Tipiracil and Trifluridine in pharmaceutical formulations.

No. of Pages : 23 No. of Claims : 6



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Application Details		
APPLICATION NUMBER	202441079625	
APPLICATION TYPE	ORDINARY APPLICATION	
DATE OF FILING	20/10/2024	
APPLICANT NAME	 Dravidamani Meena Dr. Saravanakumar Kasimedu Dr. Allagadda Rekha Devi Pasupuleti Prakash Dr. Abdul Sattar Dr. Hari Veluru Dr. Murugesan Vanangamudi Dr. Kumar Raja Jayavarapu Ravikrindhi Nageswara Rao Matam Thanusree Ponna M Ramyasri Dr. Mudduluru Niranjan Babu 	
TITLE OF INVENTION	A VALIDATED RP-UPLC METHOD FOR SIMULTANEOUS PHARMACEUTICAL ESTIMATION OF TIPIRACIL AND TRIFLURIDINE	
FIELD OF INVENTION	PHYSICS	
E-MAIL (As Per Record)	patents@allinnov.org	
ADDITIONAL-EMAIL (As Per Record)	allinnovrnd@gmail.com	
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