

(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(22) Date of filing of Application :19/01/2022

(21) Application No.202211003036 A

(43) Publication Date : 28/01/2022

(54) Title of the invention : AN ORAL TABLET COMPOSITION COMPRISING ACTIVE PHARMACEUTICAL INGREDIENTS SUITABLE FOR THE TREATMENT OF AUTOPHAGY MODULATION-ASSOCIATED DISEASES

(51) International classification :A61K0009200000, A61K0009000000, A61K0009190000, A61K0031443900, A61K0031045000
(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)Mohd Junaid

Address of Applicant :Assistant Professor, Department of Pharmacy, Mohammad Ali Jauhar University Rampur (U.P.) India

2)DEEPAK KR. KUSHAWAH

3)Dr. Monika Kaurav

4)Sumit Durgapal

5)Laxmi Goswami

6)Dr. Sayantan Mukhopadhyay

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Mohd Junaid

Address of Applicant :Assistant Professor, Department of Pharmacy, Mohammad Ali Jauhar University Rampur (U.P.) India

2)DEEPAK KR. KUSHAWAH

Address of Applicant :Assistant Professor, Department Of Pharmacy, Mohammad Ali Jauhar University, Rampur (U.P), India

3)Dr. Monika Kaurav

Address of Applicant :Assistant Professor, KIET Group of Institutions (KIET School of Pharmacy), Muradnagar, Ghaziabad, (U.P.) India.

4)Sumit Durgapal

Address of Applicant :Department of Pharmaceutical Sciences Campus BhimtalKumaun university Nainital, Uttarakhand, India -

5)Laxmi Goswami

Address of Applicant :Lecturer - Pharmacy Government Polytechnic, Mallital Nainital, Uttarakhand, India

6)Dr. Sayantan Mukhopadhyay

Address of Applicant :Associate professor, School of Pharmacy and Research, Dev Bhoomi Uttarakhand University, Dehradun 248001, Uttarakhand, India.

(57) Abstract :

This invention analyzes an oral tablet composition comprising active pharmaceutical ingredients suitable for the treatment of autophagy modulation-associated diseases. Embodiments include methods for treating the autophagy related diseases. Administration of the compositions will typically be via any common route. This includes oral, parenteral, orthotopic, intradermal, subcutaneous, intramuscular, intraperitoneal, intranasal, or intravenous injection. Oral formulations include such normally employed excipients as, for example, pharmaceutical grades of mannitol, lactose, starch, magnesium stearate, sodium saccharine, cellulose, magnesium carbonate and the like. These compositions take the form of solutions, suspensions, tablets, pills, capsules, sustained release formulations or powders and contain about 10% to about 95% of active ingredient, preferably about 60%. The compositions are administered orally.

No. of Pages : 13 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211028121 A

(19) INDIA

(22) Date of filing of Application :16/05/2022

(43) Publication Date : 20/05/2022

(54) Title of the invention : DEVELOPMENT AND EVALUATION OF VORICONAZOLE LOADED NANOSTRUCTURED LIPID CARRIER BASED IN-SITU GEL OCULAR DRUG DELIVERY

(51) International classification : A61K009900000, A61K0031506000, A61K2009060000, A61K0009107000, A61K0047140000

(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) DR. ABHISHEK TIWARI
 Address of Applicant : PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA -----
2) DR. VARNISHA TIWARI
3) DR. NAVNEET VERMA
5) DR. ANITA SINGH
 Address of Applicant : PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA -----
7) DR. SURESH KUMAR
8) MRS. RENU SAHARAN
9) DR. HISHWA MOHAN SAHOO
10) DR. MANISH KUMAR
 Name of Applicant : NA
 Address of Applicant : NA
 (72) Name of Inventor :
1) DR. ABHISHEK TIWARI
 Address of Applicant : PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA -----
2) DR. VARNISHA TIWARI
 Address of Applicant : PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA -----
3) DR. NAVNEET VERMA
 Address of Applicant : DIRECTOR & DEAN, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA -----
4) BINITA PALARIA
 Address of Applicant : DEVSTHALI VIDYAPEETH COLLEGE OF PHARMACY, LALPU, RUDRAPUR, U.S.NAGAR, UTTARAKHAND -----
5) DR. ANITA SINGH
 Address of Applicant : DEPARTMENT OF PHARMACEUTICAL SCIENCES, KUMAUN UNIVERSITY, BHIMTAL CAMPUS, NAINITAL, UTTARAKHAND-263136 INDIA -----
6) DR. BHUWANENDRA SINGH
 Address of Applicant : PROFESSOR, S D COLLEGE OF PHARMACY & VOCATIONAL STUDIES, BHOPA ROAD, MUZZAFFARNAGAR (U.P.) -----
7) DR. SURESH KUMAR
 Address of Applicant : BHARAT INSTITUTE OF PHARMACY, PEHLADPUR, BARAIN KURUKSHETRA HARYANA, INDIA -----
8) MRS. RENU SAHARAN
 Address of Applicant : SDM COLLEGE OF PHARMACY, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), AMBALA-133207, INDIA -----
9) DR. HISHWA MOHAN SAHOO
 Address of Applicant : ROLAND INSTITUTE OF PHARMACEUTICAL SCIENCES, BURHAMPIUR, ODISHA-760010, INDIA -----
10) DR. MANISH KUMAR
 Address of Applicant : MM COLLEGE OF PHARMACY, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), AMBALA-133207, INDIA -----

(57) Abstract :
ABSTRACT DEVELOPMENT AND EVALUATION OF VORICONAZOLE LOADED NANOSTRUCTURED LIPID CARRIER BASED IN-SITU GEL OCULAR DRUG DELIVERY
 The invention discloses, voriconazole loaded nanostructured lipid carrier NLCs based in-situ gel formulation drug delivery system, which is subsequently evaluated for ex-vivo ocular penetration trials vs pure drug solution. The ideal NLC I_g 3 formulation demonstrated 65.87% drug release in 12 hours, indicating a much sustained release of the drug through in-situ gel, which was then assessed for release kinetics and determined to be the best fitting in the first order kinetics with an R² value of 0.995. The effect of drug-loaded NLC based on in-situ gel on sustained release rises when the gelling agent is increased. The ex-vivo corneal permeability of this improved NLC I_g 3 formulation was compared to pure drug, and it was discovered that the permeation of drug in cornea was raised by 2.4 folds compared to pure medication of voriconazole in 4 hrs. These findings suggested that a voriconazole loaded NLC based in-situ gel might be used as a new drug delivery method with improved drug penetration through the cornea and prolonged drug release, resulting in a lower dosage and higher patient compliance by lowering the dosing frequency.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211048737 A

(19) INDIA

(22) Date of filing of Application :26/08/2022

(43) Publication Date : 09/09/2022

(54) Title of the invention : POLYHERBAL FORMULATION FOR THE MANAGEMENT OF DIABETES AND CYTOPROTECTION.

<p>(51) International classification :H01S0003067000, B32B00270S0000, C09J0007260000, B32B0005140000, B32B0037140000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)MANJARI MITTAL Address of Applicant :MET, FACULTY OF PHARMACY RAMGANGA VIHAR, PHASE - 2, MORADABAD, UTTAR PRADESH. - 244001 INDIA. -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)MANJARI MITTAL Address of Applicant :MET, FACULTY OF PHARMACY RAMGANGA VIHAR, PHASE - 2, MORADABAD, UTTAR PRADESH. - 244001 INDIA. -----</p> <p>2)PIYUSH MITTAL Address of Applicant :TEETHANKER MAHAVEER COLLEGE OF PHARMACY, TEERTHANKER MAHAVEEER UNIVERSITY NH24, DELHI ROAD MORADABAD UTTAR PRADESH-244001, INDIA -----</p> <p>3)ARULSAMY ELPHINE PRABAHAR Address of Applicant :TEETHANKER MAHAVEER COLLEGE OF PHARMACY, TEERTHANKER MAHAVEEER UNIVERSITY NH24, DELHI ROAD MORADABAD UTTAR PRADESH-244001, INDIA -----</p> <p>4)VIJAY JUYAL Address of Applicant :HNBU MEDICAL EDUCATION UNIVERSITY NEW CENTRAL HOP TOWN, BHAYAKHALA, SESHAMBARA (SELAQUI) DEHRADUN UTTARAKHAND-248197, INDIA -----</p> <p>5)ANITA SINGH Address of Applicant :DEPARTMENT OF PHARMACEUTICAL SCIENCES, KUMAUN UNIVERSITY BLOCK ROAD BHIMTAL UTTARAKHAND-263136, INDIA - -----</p>
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(57) Abstract :

It is concluded that polyherbal formulation for the management of diabetes, ethanolic extract of *Phyllanthus emblica*, *Annona squamosa*, *Berberis aristata* and methanolic extract of *Curcuma longa* formulated as oral suspensions, exhibited a pleasant appearance and acceptable odour and showed easy redispersion of sediment. There were no noticeable changes in sedimentation, viscosity, and other physicochemical parameters when stability studies were performed at different temperatures, indicating that developed herbal formulation in suspension form is stable and acceptable and make importance in phyto-pharmaceuticals. The data of our study illustrated all the specific characteristics, pharmacological activity, standardization, and formulation of herbal preparation, which supported for the treatment of diabetes as well as improved diabetic complication. This study may be used as reference standard in the further quality control research and global acceptance of herbal product for various diseases and ailments. The herbal composition of the present invention has anti-diabetic as well as -cytoprotective activity.

No. of Pages : 12 No. of Claims : 5

REPUBLIC OF SOUTH AFRICA
PATENTS ACT, 1978
REGISTER OF PATENTS

FORM P2

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	2022/08191	22	47	2 September 2022
International classification		Lodging date: National phase		Granted date	
51	A61K	23	22 July 2022	26 October 2022	
71 Full name(s) of applicant(s)/Patentee(s):					
(1) DR. VARSHA TIWARI; (2) DR. ABHISHEK TIWARI; (3) DR. PRABHAT KUMAR UPADHYAY; (4) DR. JAMMULA SRUTI; (5) DR. BISWA MOHAN SAHOO; (6) DR. MANISH KUMAR; (7) DR. SURESH KUMAR; (8) MRS. RENU SAHARAN; (9) DR. SUNIL SINGH; (10) DR. ROHIT MOHAN; (11) DR. ANITA SINGH; (12) DR. VIPIN SAINI; (13) DR. ANAND PODDAR					
71 Applicant(s) substituted:				Date registered	
71 Assignee(s):				Date registered	
72 Full name(s) of inventor(s):					
(1) DR. VARSHA TIWARI; (2) DR. ABHISHEK TIWARI; (3) DR. PRABHAT KUMAR UPADHYAY; (4) DR. JAMMULA SRUTI; (5) DR. BISWA MOHAN SAHOO; (6) DR. MANISH KUMAR; (7) DR. SURESH KUMAR; (8) MRS. RENU SAHARAN; (9) DR. SUNIL SINGH; (10) DR. ROHIT MOHAN; (11) DR. ANITA SINGH; (12) DR. VIPIN SAINI; (13) DR. ANAND PODDAR					
Priority claimed:		Country	Number	Date	
		IN	202211016582	24 March 2022	
54 Title of invention					
DEVELOPMENT AND EVALUATION OF ACECLOFENAC-LOADED SOLID LIPID MICROPARTICLES BASED TOPICAL GEL FORMULATION					
Address of applicant(s)/patentee(s):					
(1) PHARMACY ACADEMY, IFTM UNIVERSITY, LODHIPUR RAJPUT, MORADABAD, UTTAR PRADESH, 244102, India; (2) PHARMACY ACADEMY, IFTM UNIVERSITY, LODHIPUR RAJPUT, MORADABAD, UTTAR PRADESH, 244102, India; (3) DR. PRABHAT KUMAR UPADHYAY, GLA UNIVERSITY, MATHURA, UTTAR PRADESH, 281406, India; (4) ROLAND INSTITUTE OF PHARMACEUTICAL SCIENCES, BERHAMPUR, ODISHA, 760010, India; (5) ROLAND INSTITUTE OF PHARMACEUTICAL SCIENCES, BERHAMPUR, ODISHA, 760010, India; (6) MM COLLEGE OF PHARMACY, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), AMBALA, HARYANA, India; (7) BHARAT INSTITUTE OF PHARMACY, PEHLADPUR ABAIN, KURUKSHETRA, HARYANA, India; (8) MM COLLEGE OF PHARMACY, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), AMBALA, HARYANA, India; (9) SHRI SAI COLLEGE OF PHARMACY, PRAYAGRAJ, UTTAR PRADESH, India; (10) JP COLLEGE OF PHARMACY, MOHANLALGANJ, LUCKNOW, UTTAR PRADESH, India; (11) DEPARTMENT OF PHARMACEUTICAL SCIENCE, DEPARTMENT OF PHARMACEUTICAL SCIENCE, NAINITAL, UTTARAKHAND, India; (12) MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA, AMBALA, HARYANA, India; (13) PODDAR INTERNATIONAL COLLEGE, SECTOR-7, NEAR SJIPRA PATH, MANSAROVAR, JAIPUR, RAJASTHAN, India					
74 Address for service					
Sibanda and Zantwijk, Oaktree Corner, 9 Kruger Street, Oaklands (PO Box 1615 Houghton 2041), Johannesburg, 2192, SOUTH AFRICA Reference no.: PT_CP_ZA00004609 ([InsID:])					

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211057118 A

(19) INDIA

(22) Date of filing of Application :06/10/2022

(43) Publication Date : 14/10/2022

(54) Title of the invention : MORIN HYDRATE MICROSPHERE FORMULATION

(51) International classification :A61K000916000, A61K000811000, A61K000881000, A61K003822000, A61K000900000

(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)Quantum University
Address of Applicant :Quantum University, Roorkee- 247167, Uttarakhand, India -----

Name of Applicant : NA

Address of Applicant : NA

(72) Name of Inventor :

1)Ms. Gauree Kukretl

Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences and Technology, Sardar Bhagwan Singh University, Balawala, Dehradun-248001, Uttarakhand, India Dehradun -----

2)Ms. Pragati Karn

Address of Applicant :Student, School of Pharmaceutical Sciences and Technology, Sardar Bhagwan Singh University, Balawala, Dehradun-248001, Uttarakhand, India Dehradun -----

3)Ms. Urmi Chaurasia

Address of Applicant :Associate Professor, School of Pharmaceutical Sciences and Technology, Sardar Bhagwan Singh University, Balawala, Dehradun-248001, Uttarakhand, India Dehradun -----

4)Mr. Ritesh Rana

Address of Applicant :Assistant Professor, Himachal Institute of Pharmaceutical Education & Research (HIPER), Bela, Naddaun, Hamirpur-177033, Himachal Pradesh, India Hamirpur -----

5)Mr. Bhuwan Chand Joshi

Address of Applicant :Ph.D Research Scholar, Department of Pharmaceutical Sciences, Faculty of Technology, Sir J.C Bose Technical Campus, Bhimtal, Kumaun University, Nainital- 263136, Uttarakhand, India Nainital -----

6)Ms. Neetisha Negl

Address of Applicant :Assistant Professor, Department of Pharmaceutical Sciences and Technology, Sir J.C Bose Technical Campus, Bhimtal, Kumaun University, Nainital- 263136, Uttarakhand, India Nainital -----

7)Dr. Swati Rawat

Address of Applicant :Assistant Professor, Dept of Computer Application, Quantum University, Roorkee, Uttarakhand-247167, India Roorkee -----

8)Mr. Naveen Rana

Address of Applicant :Assistant Professor, Dept of Mechanical Engineering, Quantum University, Roorkee, Uttarakhand-247167, India Roorkee -----

(57) Abstract :

The present invention discloses a morin hydrate microsphere formulation for oral delivery. It provides for a controlled drug release of more than 96% over 24 hours. The microsphere has an entrapment efficacy in the range of 40 to 80% with a drug yield of more than 80%. The morin hydrate microsphere as the active ingredient, a synthetic polymer, organic phase solvent system and aqueous emulsifier, formed by the emulsion solvent evaporation method.

No. of Pages : 24 No. of Claims : 8



arun kumar singh



Register information for utility models

File number DE: 20 2022 103 252.1 (status: pending/in force, as of: August 20, 2022)

Hit 21/56



BASE DATA

INID	criteria	Field	contents
	property right type	SART	utility model
	status	ST	Pending/In Effect
21	Case number DE	DAKZ	20 2022 103 252 1
54	designation/title	ti	A natural sweetener composition as a sweetener for diabetes
51	IPC main class	ICM (ICMV)	A23L 27/30(2016.01)
22	Filing date DE	DATE	06/09/2022
47	registration day	ET	07/01/2022
45	Date of publication of the entry in the Patent Gazette	PET	08/11/2022
71/73	Applicant/Owner	INH	Ankita, Wal, Kanpur, IN; Ghodke, Amol Yadavrao, Osmanabad, IN; Mishra, Amrita, Moradabad, IN; Navale, Sampat Dnyaneshwar, Pune, IN; Negi, Divya, Haldwani, IN; Pattanayak, Shakti Prasad, Gaya, IN; Poul, Bhagwat Nivruttirao, Latur, IN; Singh, Anita, Nainital, IN; Singh, Arun Kumar, Haldwani, IN; Solunke, Rahul Shivajirao, Dr., Latur, MH, IN
74	Representative	VTR	Dilg, Haeusler, Schindelmann Patentanwaltsgesellschaft mbH, 80636 Munich, DE
10	Published DE documents	DEPN	Original document: DE202022103252U1 Searchable text: DE202022103252U1
	delivery address		Dilg, Haeusler, Schindelmann Patentanwaltsgesellschaft mbH, 80636 Munich, DE
	Due date	FT FG	30.06.2025 Aufrechterhaltungsgeld für das 4.-6. Jahr
43	Erstveröffentlichungstag	PUB	01.07.2022
	Tag der ersten Übernahme in DPMAregister	EREGT	01.07.2022
	Tag der (letzten) Aktualisierung in DPMAregister	REGT	11.08.2022 (alle Aktualisierungstage einblenden)

VERFAHRENSDATEN

Nr.	Verfahrensart	Verfahrensstand	Verfahrensstandtag	Erstveröffentlichungstag	Alle Details anzeigen
1	Vorverfahren	Die Anmeldung befindet sich in der Vorprüfung	09.06.2022		Details anzeigen
2	Gebrauchsmusterverfahren	Eintragung des Gebrauchsmusters	01.07.2022		Details anzeigen



क्रमांक : 011148749
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. : 402397
आवेदन सं. / Application No. : 202011019296
प्रकाश करने की तारीख / Date of Filing : 06/07/2020
पेटेंटी / Patentee : 1 Nanda Gopal Sahoo 2 Gaurav Tatrari 3 Chetna Tewari
4 Sandeep Pandey et al. et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में पचासकटित A PROCESS OF MANUFACTURING HIGHLY POROUS 3D GRAPHENE NANO-FLAKES (HP3DGNFS) DOPED WITH ALKALI AND TRANSITION METALS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जुलाई 2020 के छठे दिन 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 PROCESS OF MANUFACTURING HIGHLY POROUS 3D GRAPHENE NANO-FLAKES (HP3DGNFS) DOPED WITH ALKALI AND TRANSITION METALS as disclosed in the above mentioned application for the term of 20 years from the 6th day of July 2020 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 28/07/2022
Date of Grant :

Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जुलाई 2022 के छठे दिन को और उसके पचास 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 6th day of July 2022 and on the same day in every year thereafter



क्रमांक : 011147920
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. : 400474
आवेदन सं. / Application No. : 202011018342
फाइल करने की तारीख / Date of Filing : 29/09/2020
पेटेंटी / Patentee : 1. Manoj Karakoti 2. Sandeep Pandey 3. Sunil Dhali 4. Chetna
Tewari et al. et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित HIGHLY EFFICIENT GRAPHENE-SOAP BASED SPRAY PAINTS FOR THE EFFICIENT KILLING OF CORONA VIRUSES AND PREPARATION PROCESS THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख सितम्बर 2020 के उन्नीसवें दिन 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 HIGHLY EFFICIENT GRAPHENE-SOAP BASED SPRAY PAINTS FOR THE EFFICIENT KILLING OF CORONA VIRUSES AND PREPARATION PROCESS THEREOF as disclosed in the above mentioned application for the term of 20 years from the 29th day of September 2020 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 30/06/2022
Date of Grant :


पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, सितम्बर 2022 के उन्नीसवें दिन को और उसके पश्चात प्रत्येक वर्ष में उही दिन देय होगी।
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 29th day of September 2022 and on the same day in every year thereafter.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021104582

The Commissioner of Patents has granted the above patent on 30 March 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Nanda Gopal Sahoo of Professor Rajendra Singh Nanoscience and, Nanotechnology Centre, Department of Chemistry Kumaun University Nainital India

Chetna Tewari of Research scholar Rajendra Singh, Nanoscience and Nanotechnology Centre, Department of Chemistry Kumaun University Nainital India

Sandeep Pandey of Research scholar, Rajendra Singh, Nanoscience and Nanotechnology Centre, Department of Chemistry Kumaun University Nainital India

Gaurav Tatrari of Research scholar, Rajendra Singh, Nanoscience and Nanotechnology Centre, Department of Chemistry Kumaun University Nainital India

Anita Rana of Research scholar, Rajendra Singh, Nanoscience and Nanotechnology Centre, Department of Chemistry Kumaun University Nainital India

Himani Tiwari of Research scholar, Rajendra Singh Nanoscience and, Nanotechnology Centre Department of Chemistry Kumaun University, Nainital India

Anirban Dandapat of Inspire faculty, department of chemistry DSB campus Kumaun University Nainital India

Title of invention:

Graphene based nanomaterials derived from Drepanostachyum falcatum for water purification

Name of inventor(s):

Sahoo, Nanda Gopal; Tewari, Chetna; Pandey, Sandeep; Tatrari, Gaurav; Rana, Anita; Tiwari, Himani and Dandapat, Anirban

Term of Patent:

Eight years from 26 July 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.

Priority details:

<i>Number</i>	<i>Date</i>	<i>Filed with</i>
202111031289	12 July 2021	IN



Dated this 30th day of March 2022

Commissioner of Patents

PATENTS ACT 1990

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

(12) PATENT APPLICATION
PUBLICATION

(21) Application No.202211003444 A

(19) INDIA

(22) Date of filing of Application :21/01/2022 (43) Publication Date : 11/02/2022

(54) Title of the invention : MULTI-CRITERIA DECISION MAKING BASED ON
INTUITIONISTIC FUZZY SETS

(51) International classification	:G06Q0010060000, G06N0005040000, G06Q0030020000, G06T0005000000, G06F0017160000	(71)Name of Applicant : 1)Dr. BHAGAWATI PRASAD JOSHI Address of Applicant :Assistant Professor, Applied Sciences, Seemant Institute of Technology Pithoragarh- 262501, Uttarakhand, India ----- 2)Dr. Deepak Kumar 3)Lokesh Kumar Joshi 4)Dr Manish Kumar 5)Dr. NAVNEET JOSHI 6)Dr. Govind Pathak 7)Vimal Singh Bisht
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)Dr. BHAGAWATI PRASAD JOSHI Address of Applicant :Assistant Professor, Applied Sciences, Seemant Institute of Technology Pithoragarh- 262501, Uttarakhand, India ----- 2)Dr. Deepak Kumar Address of Applicant :Assistant Professor, Mathematics, DSB Campus, Kumaon University, Nainital, Uttarakhand, INDIA, Pin, 263002 ----- 3)Lokesh Kumar Joshi Address of Applicant :Assistant Professor, Department of Applied Science, Faculty of Engineering & Technology, Gurukul Kangri (Deemed to be University), Haridwar, India -- ----- 4)Dr Manish Kumar Address of Applicant :Director, School of Management, Graphic Era Hill University Haldwani, Uttarakhand, India ----- ----- 5)Dr. NAVNEET JOSHI Address of Applicant :Associate Professor, Department of Allied Science, Graphic Era Hill University Bhimtal Campus,
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	



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THE PATENT OFFICE

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

क्रमांक : 011160188
SL No :



पेटेंट सं. / Patent No.	:	429734
अर्जन सं. / Application No.	:	202011011434
प्राप्त करने की तारीख / Date of Filing	:	17/03/2020
पेटेन्टी / Patentee	:	1.Nanda Gopal Sahoo 2.Chelna Tewari 3.Sandeep Pandey 4.Manoj Karakoli et al.

प्रमाणित किया जाता है कि पेटेन्टी को, उपरोक्त अर्जन में ब्यक्त HYDRO-SOLVO-THERMAL GRAPHENE OXIDE SYNTHESIS METHOD नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार जब तारीख मार्च 2020 के सत्रहवें दिन 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 HYDRO-SOLVO-THERMAL GRAPHENE OXIDE SYNTHESIS METHOD as disclosed in the above mentioned application for the term of 20 years from the 17th day of March 2020 in accordance with the provisions of the Patents Act, 1970.

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THE PATENT OFFICE

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

क्रमांक : 011155838
SL No :



पेटेंट सं. / Patent No. : 419214
आवेदन सं. / Application No. : 202011017973
घाड़त करने की तारीख / Date of Filing : 27/09/2020
पेटेटी / Patentee : 1.Sandeep Pandey 2.Manoj Karakoli 3.Suril Dhalli 4.Chetna
Tewari et al.

प्रमाणित किया जाता है कि पेटेटी को, उपरोक्त आवेदन में ब्यवहृतित PROCESS OF PREPARATION OF NATURALLY DOPED SILICON, MAGNESIUM AND CALCIUM GRAPHENE NANOSHEETS FROM PAPER WASTE FOR ENERGY APPLICATIONS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख सितम्बर 2020 के सत्तईसवें दिन 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 PROCESS OF PREPARATION OF NATURALLY DOPED SILICON, MAGNESIUM AND CALCIUM GRAPHENE NANOSHEETS FROM PAPER WASTE FOR ENERGY APPLICATIONS as disclosed in the above mentioned application for the term of 20 years from the 27th day of September 2020 in accordance with the provisions of the Patents Act, 1970.

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

क्रमांक : 011140749
SL No :



पेटेंट नं. / Patent No.	:	402397
अवेदन नं. / Application No.	:	202011019296
प्रदत्त करने की तारीख / Date of Filing	:	06/07/2020
पेटेंटी / Patentee	:	1.Nanda Gopal Sahoo 2.Gourav Tatrani 3.Chetna Tewari 4.Sandeep Pandey et al. et al. et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में ब्यवहारीत A PROCESS OF MANUFACTURING HIGHLY POROUS 3D GRAPHENE NANO-FLAKES (HP3DGNFS) DOPED WITH ALKALI AND TRANSITION METALS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख सुनाई 2020 के छठे दिन 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 PROCESS OF MANUFACTURING HIGHLY POROUS 3D GRAPHENE NANO-FLAKES (HP3DGNFS) DOPED WITH ALKALI AND TRANSITION METALS as disclosed in the above mentioned application for the term of 20 years from the 6th day of July 2020 in accordance with the provisions of the Patents Act,1970.

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/05/2021

(21) Application No.:512111023077 A

(43) Publication Date : 03/03/2023

(54) Title of the invention : NOVEL IN-SITU FILM FORMING HERBAL SPRAY FOR PREVENTION OF BLOOD LOSS FROM INJURY

(51) International classification

:C07D0401120000,
A61K0008190000,
A23L0002390000,
A61K0036000000,
A61K0036234000

(31) Priority Document No

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(32) Priority Date

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(33) Name of priority country

:NA

(86) International Application No

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(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)SHOOLINI UNIVERSITY OF BIOTECHNOLOGY AND
MANAGEMENT SCIENCES

Address of Applicant :Bajhol, PO Sultanpur, Distt. Solan -
173229 (HP) Himachal Pradesh India

(72) Name of Inventor :

1)Dr. Rajeshwar Kamal Kant Arya

2)Mr. Priyank Galrola

3)Dr. Dheeraj Bisht

4)Dr. Kapil Khulbe

5)Dr. Jay Singh

6)Dr. Deepak Kumar

(57) Abstract :

Present subject matter relates to a method for preparing an herbal spray for prevention of blood loss. The method includes extracting an herbal plant using one-5 or more solvents system. Further, the method includes selecting the one or more solvents system based at least on solubility of the extracted herbal plant and an excipient. Further, the method includes selecting the excipient based on one or more parameters. Further, the method includes selecting one or more containers to be used as a spray container and preparing a predetermined amount of the herbal spray using 10 the extracted herbal plant, the selected one or more solvents system, and the selected excipient. Fig. 1

No. of Pages : 18 No. of Claims : 10



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Patent Search

Invention Title HERBAL SUSPENSION FOR TREATMENT OF GASTRIC ULCER AND METHOD FOR PREPARATION THEREOF
Publication Number 13/2023
Publication Date 31/03/2023
Publication Type INA
Application Number 202311017716
Application Filing Date 16/03/2023
Priority Number
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Priority Date
Field Of Invention CHEMICAL
Classification (IPC) A61K 368100, A61P 010400, A61P 010800, C07C 697120, C12Q 014200

Inventor

Name	Address	Country
Dr. Swati	Assistant Professor, Faculty of Pharmacy, DIT University, Dehradun, Uttarakhand, India- 248009	India
Khushboo Bansal	M Pharm Student, Faculty of Pharmacy DIT University, Dehradun, Uttarakhand, India-248009	India
Dr. Bhavna Kumar	Associate Professor, Faculty of Pharmacy, DIT University, Dehradun Uttarakhand, India-248009	India
Dr. Anita Singh	Professor, Department of Pharmaceutical Sciences, Kumaun University, Nainital, Uttarakhand, India- 263002	India
Dr. H.K.Pandey	Scientist-F, D I B E R, (DRDO), Pithoragarh (Uttarakhand), India- 262540	India

Applicant

Name	Address	Country	Nat
DIT University	Mussoorie Diversion Road, Village Makkawala, Dehradun, Uttarakhand, India -248009	India	Indi

Abstract

The present invention relates to an herbal suspension for gastric ulcer, comprising Herbal extract in the range of 450 - 600 mg; and Suspending agent in the range of 100 - 200 mg. The method for preparation of the extract comprising the steps of Drying the herb followed by powdering the dried herb to obtain a fine powder; Dissolving the powder in distilled water at room temperature for 65-75 hours to obtain a solution; Filtering the solution using a Whatman filter paper, followed by separation using a rotatory evaporator under a vacuum to obtain a filtrate; and Lyophilizing the filtrate to obtain herbal extract. The method for preparation of the herbal suspension comprising the steps: Adding the herbal extract in distilled water in predefined direction to obtain a uniform solution and Adding the suspending agent to the uniform solution to obtain the herbal suspension.

Complete Specification

TECHNICAL FIELD

[0001] The present invention relates to the field of methods for the preparation of suspensions of Angelica glauca root aqueous extract for the treatment of ethanol induced gastric ulcer.

BACKGROUND ART

[0002] A persistent condition that hinders one's daily activities is a gastric ulcer. Ulcers are brought on by an imbalance between defensive and aggressive forces, mucus, prostaglandins, and sufficient blood flow. Aggressive factors include HCl and pepsin, alcohol, smoking, malnutrition, stress, chronic use of nonsteroidal anti-inflammatory medicines (NSAIDs), and H. pylori disease, which are among the etiological causes for stomach ulcers.

[0003] Because of the oxidative stress that ethanol-induced free radical production induces, stomach mucosal ulceration might occur. Gastric secretion, cell permeability, and mucus production are all impacted by ethanol. Antacids, anticholinergics, H2-receptor blockers, and proton pump inhibitors are medications that can cure ulcers.

[0004] However, a clinical evaluation of these medications revealed that they can cause side effects, drug interactions, and relapses. Currently, herbal medicine is

[View Application Status](#)

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/02/2023

(21) Application No.202311011797 A

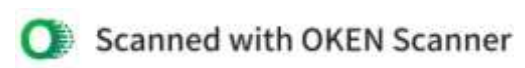
(43) Publication Date : 17/03/2023

(54) Title of the invention : **A POLYHERBAL FORMULATION AS AN IMMUNITY BOOSTER**

<p>(51) International classification :A61K 361850, A61K 362200, A61K 391200, A61P 370400, B60N 022800</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Shashi Punam Address of Applicant :Associate Professor Department of Social Work Sapt Sindhur Parvate-II, Dehra, District Kangra Central University of Himachal Pradesh</p> <p>2)Dr. Manu Vineet Sharma 3)Dr. Indu Sharma 4)Dr. Susheel Kumar 5)Mr. Manoj Kumar Sharma 6)Dr. Sanjay Kumar 7)Dr. Ambrish Kumar Singh 8)Dr. Ajay Kumar Singh 9)Mr. Arvind Kumar 10)Mr. Akhil Moudgil 11)Mrs. Kumari Varsha 12)Dr. Rajeshwar Kamal kant Arya 13)Mr. Raj K. Keservand</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Shashi Punam Address of Applicant :Associate Professor Department of Social Work Sapt Sindhur Parvate-II, Dehra, District Kangra Central University of Himachal Pradesh</p> <p>2)Dr. Manu Vineet Sharma Address of Applicant :Assistant Professor,Department of Bio Sciences Career Point University Hamirpur,Himachal Pradesh</p> <p>3)Dr. Indu Sharma Address of Applicant :Associate Professor,Department of Physics Career Point University Hamirpur,Himachal Pradesh</p> <p>4)Dr. Susheel Kumar Address of Applicant :Assistant Professor,Department of Commerce and Management, Career Point University, Hamirpur, Himachal Pradesh</p> <p>5)Mr. Manoj Kumar Sharma Address of Applicant :Director, HM Solar Hamirpur Himachal Pradesh</p> <p>6)Dr. Sanjay Kumar Address of Applicant :Associate Professor, Laureate institute of Pharmacy Kathlog, Kangra HP</p> <p>7)Dr. Ambrish Kumar Singh Address of Applicant :Assistant Professor, Pharmacy Ayurveda, Faculty of ayurveda, institute of Medical Sciences, Banaras Hindu University, RGSC, Mirzapur, Uttar Pradesh,India.</p> <p>8)Dr. Ajay Kumar Singh Address of Applicant :Assistant Professor, Pharmacy Ayurveda, Faculty of ayurveda, institute of Medical Sciences, Banaras Hindu University, RGSC, Mirzapur, Uttar Pradesh,India.</p> <p>9)Mr. Arvind Kumar Address of Applicant :Associate Professor, Professor, Faculty of B.Pharmacy,CSM group of Institution, Prayagraj, UP</p> <p>10)Mr. Akhil Moudgil Address of Applicant :Assistant Professor, Gautam College of Pharmacy Hamirpur HP</p> <p>11)Mrs. Kumari Varsha Address of Applicant :Assistant Professor, Gautam College of Pharmacy Hamirpur HP</p> <p>12)Dr. Rajeshwar Kamal kant Arya Address of Applicant :Assistant Professor,Department of Pharmaceutical Sciences, Sir JC Bose Technical campus Bhimtal Kumaun University Nainital</p> <p>13)Mr. Raj K. Keservand Address of Applicant :Associate Professor, Faculty of B.Pharmacy,CSM group of Institution, Prayagraj, UP</p>
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(57) Abstract :
The present invention relates to a polyherbal formulation as an immunity booster comprising of *Tinospora cordifolia*, *Trigonella foenum-graecum*, *Cuminum cyminum*, *Trachyspermum ammi*, *Foeniculum vulgare*, *Piper nigrum*, *Syzygium aromaticum* and salt, wherein the *Trigonella foenum-graecum* is fenugreek, the *Cuminum cyminum* is cumin, the *Trachyspermum ammi* is carum seeds, the *Foeniculum vulgare* is fennel, the *Piper nigrum* is black pepper and the *Syzygium aromaticum* is clove. Protein, fat and carbohydrate evaluation was done. These ingredients have potential as an immune booster as they provide synergistic effect. The feedback analysis showed that the formulation revitalizes the old methods of healing for a variety of conditions.

No. of Pages : 15 No. of Claims : 9





ORIGINAL

मूल/No : 137727



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डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 381490-001
तारीख / Date : 14/03/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PORTABLE BIOMEDICAL REFRIGERATOR** से संबंधित है, का पंजीकरण, श्रेणी 15-07 में 1.Dr. Raj Kumar Keservani 2. Dr. Manoj Kumar Mishra 3.Dr. Rajesh Kumar Kesharwani 4.Dr. Amit Kumar Nayak 5.Dr. Farhad F Mehta 6.Dr. Yashi Srivastava 7.Dr. Rajeshwar Kamalkant Arya 8.Dr. Ekta Choudhary 9.Mr. Mayur Chaurey 10.Dr Ramsaneh Raghuwanshi 11.Dr. Virendra Kumar Patel 12.Mr. Arvind Kumar Gupta 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 15-07 in respect of the application of such design to **PORTABLE BIOMEDICAL REFRIGERATOR** in the name of 1.Dr. Raj Kumar Keservani 2. Dr. Manoj Kumar Mishra 3.Dr. Rajesh Kumar Kesharwani 4.Dr. Amit Kumar Nayak 5.Dr. Farhad F Mehta 6.Dr. Yashi Srivastava 7.Dr. Rajeshwar Kamalkant Arya 8.Dr. Ekta Choudhary 9.Mr. Mayur Chaurey 10.Dr Ramsaneh Raghuwanshi 11.Dr. Virendra Kumar Patel 12.Mr. Arvind Kumar Gupta.

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

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

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निर्गमन की तारीख/Date of issue : 24/05/2023

महानिर्णयक पेटेंट डिजाइन और व्यापार चिह्न
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पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के माध्यम से की गई है। डिजाइन का सांघातिक पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अर्धीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्रवाहियों 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.

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/09/2023

(21) Application No.202311089702.A

(43) Publication Date : 06/10/2023

(54) Title of the invention : SYNTHESIS, MOLECULAR MODELING AND IN-SILICO ACTIVITY ON SUBSTITUTED INDOLE-3- THIOSEMICARBAZONE DERIVATIVES AS ANTICONVULSANTS

(51) International classification :A61P0025080000, A61P0025000000, A61K0045060000, A61P0025280000, A61P0031140000

(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)Dr. Amita Joshi Rana
Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C. Bose, Technical Campus, Bhimtal, Uttarakhand-263136

2)Dr. Vijay Juyal
3)Dr. Mahendra Rana
4)Dr. Ajay Singh Bisht
5)Ms. Shweta Singh

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Amita Joshi Rana
Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C. Bose, Technical Campus, Bhimtal, Uttarakhand-263136

2)Dr. Vijay Juyal
Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C. Bose, Technical Campus, Bhimtal, Uttarakhand-263136

3)Dr. Mahendra Rana
Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C. Bose, Technical Campus, Bhimtal, Uttarakhand-263136

4)Dr. Ajay Singh Bisht
Address of Applicant :Associate Professor, Department of Pharmacy, Himalayan Institute of Pharmacy and Research, Dehradun, VMSB UTU, Uttarakhand, India

5)Ms. Shweta Singh
Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C. Bose, Technical Campus, Bhimtal, Uttarakhand-263136

(57) Abstract :

The present invention discloses Synthesis, Molecular modeling and in-silico activity on substituted indole-3- thiosemicarbazone derivatives as anticonvulsants. In the present invention, creating and assessing a novel series of substituted indole-3-phthalimido, maleimido, and succinimido thiosemicarbazones for potential anticonvulsant effects. Structural alterations included indole substitutions at specific positions and the addition of various electronegative substituents to a hydrophobic acyl ring. Furthermore, specific modifications were made to the thiosemicarbazone moiety. Of the synthesized compounds, 1h, 1i, 3j, 1j, 2g, 3g, and 1g showcased heightened activity. Molecular interactions with the GABA_A receptor were highlighted by hydrophobic, π -Alkyl, π -sigma interactions, and hydrogen bonds. This work lays the foundation for potential therapeutic compounds in anticonvulsant applications.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311059741 A

(19) INDIA

(22) Date of filing of Application :05/09/2023

(43) Publication Date : 06/10/2023

(54) Title of the invention : DESIGN, SYNTHESIS AND MOLECULAR DOCKING OF 2-5-DISUBSTITUTED-1,3,4-OXADIAZOLE

(51) International classification :C40B0050140000, C01B0039020000, C08K0005250000, C07D00491107000, C08F0008140000
 (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)Dr. Anita Joshi Rana

Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C Bose, Technical Campus, Bhimtal, Uttarakhand-263136

2)Dr. Kumod Uphadhaya

3)Dr. Mahendra Rana

4)Dr. Ajay Singh Bisht

5)Ms. Geetanjali

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Anita Joshi Rana

Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C Bose, Technical Campus, Bhimtal, Uttarakhand-263136

2)Dr. Kumod Uphadhaya

Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C Bose, Technical Campus, Bhimtal, Uttarakhand-263136

3)Dr. Mahendra Rana

Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C Bose, Technical Campus, Bhimtal, Uttarakhand-263136

4)Dr. Ajay Singh Bisht

Address of Applicant :Associate Professor, Department of Pharmacy, Himalayan Institute of Pharmacy and Research, Dehradun, VMSB UTU, Uttarakhand, India

5)Ms. Geetanjali

Address of Applicant :Department of Pharmaceutical Sciences, Sir J.C Bose, Technical Campus, Bhimtal, Uttarakhand-263136

(57) Abstract :

The present invention discloses design, synthesis and molecular docking of 2-5-Disubstituted-1,3,4-Oxadiazole. In the present invention, a systematic approach to synthesizing various organic compounds. Initially, quinoline-6-carboxylic acid undergoes esterification to produce quinoline-6-carboxylate, which is then converted into quinoline-6-carboxy hydrazide. The hydrazide is subsequently reacted with phenyl isothiocyanate and oxidized to yield quinoline-6-phenylthiosemicarbazide. The process also describes the synthesis of ethyl-(4-hydroxyphenyl)acetate from 4-hydroxyphenyl acetic acid. This ester is transformed into 4-Hydroxyphenyl acetic acid hydrazide, which undergoes a similar reaction sequence with phenyl isothiocyanate, yielding 4-Hydroxyphenyl-acetylphenylthiosemicarbazide. Refinement processes, including recrystallization, ensure the purity of the resultant compounds. Accompanied Drawings [Figures 1-8]

No. of Pages : 29 No. of Claims : 10

