

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 29/2023
ISSUE NO. 29/2023

शुक्रवार
FRIDAY

दिनांक: 21/07/2023
DATE: 21/07/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : PREPARATION OF TRANSDERMAL PATCH OF A NEWLY SYNTHESIZED METHYL-COUMARIN DERIVATIVE AS ANTIDIABETIC AGENT

<p>(51) International classification :A61K 097000, A61K 450600, A61P 031000, C12Q 016809, G06T 090000</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)Sushama Rawat Address of Applicant :Assistant Professor, Jaipur National University, Jaipur, Rajasthan, 302017 -----</p> <p>2)Deepak Shrivastava 3)Dr. Shyamalendu Tripathy 4)Kirti Negi 5)Mandeep Yadav 6)Sharib Jamal 7)Dr. Rajeev Ranjan 8)Pardeshi Sagrika Maheshsing 9)Dr. Simanchal Panda 10)Dr. Sarita Garg 11)Umesh Ramesh Nitone 12)Ashish Bhongale</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Sushama Rawat Address of Applicant :Assistant Professor, Jaipur National University, Jaipur, Rajasthan, 302017 -----</p> <p>2)Deepak Shrivastava Address of Applicant :Assistant Professor, NMT Gujarati college of pharmacy Indore, PU4, Scheme No 54, Vijay Nagar, Indore, Madhya Pradesh, Pin Code: 452010 -----</p> <p>3)Dr. Shyamalendu Tripathy Address of Applicant :Assistant Professor, School of Pharmaceutical sciences, Siksha O Anusandhan University (deemed to be), Bhubaneswar, Odisha, Pin Code:751030 -----</p> <p>4)Kirti Negi Address of Applicant :Assistant Professor, Sanskriti University, India, Mathura,Uttar Pradesh, Pin Code: 281401 -----</p> <p>5)Mandeep Yadav Address of Applicant :Lecturer, SGT College Of Pharmacy, SGT University, Chandu Bhudhera, Gurugram, Haryana, Pin Code: 122505 -----</p> <p>6)Sharib Jamal Address of Applicant :Associate Professor, Mescro Institute of Pharmacy, Dhanoura Road Amroha, Uttar Pradesh, Pin Code: 244421 -----</p> <p>7)Dr. Rajeev Ranjan Address of Applicant :Assistant Professor, Dr. Shyama Prasad Mukherjee University, Morhabadi, Ranchi, Jharkhand, Pin Code: 834008 -----</p> <p>8)Pardeshi Sagrika Maheshsing Address of Applicant :Lecturer, YSPM's Yashoda Technical Campus, Satara, Maharashtra, Pin Code: 415002 -----</p> <p>9)Dr. Simanchal Panda Address of Applicant :Professor, Jaipur National University, aipur Agra Bypass, Near New RTO Office, Jagatpura, Jaipur, Rajasthan, Pin Code: 302017. -----</p> <p>10)Dr. Sarita Garg Address of Applicant :Associate Professor, Vaish Institute of Pharmaceutical Education And Research, Rohtak, Haryana, Pin Code: 124001 -----</p> <p>11)Umesh Ramesh Nitone Address of Applicant :Research Scientist, Govt.V.I.S.H Amravati, Maharashtra, Pin Code: 444602 -----</p> <p>12)Ashish Bhongale Address of Applicant :Lecturer, YSPM,YTC, Faculty of Pharmacy, Satara, Maharashtra, Pin Code: 415011 -----</p>
--	---

(57) Abstract :

The present invention relates to a synthesis. Particularly, the present invention relates to a synthesis of methylcoumarin derivative, comprising formula (V)2-[(4-methyl-2-oxo-2H-chromen-7-yl)oxy]-N-(phenylcarbamoyl)acetamide. This synthesized compound was characterized using different analytical techniques. The synthesized formula V was fabricated as Transdermal Patchesutilising an aluminium foil backing and the solvent casting process. The synthesized methylcoumarin derivative havetested for anti diabetic activity using male albino rats weighing about 200 g which were fasted for 18 hours before the experiment and found that the synthesized compound has excellent anti-diabetic activity.

No. of Pages : 12 No. of Claims : 2