

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 28/2023
ISSUE NO. 28/2023

शुक्रवार
FRIDAY

दिनांक: 14/07/2023
DATE: 14/07/2023

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : DESIGN, SYNTHESIS AND EVALUATION OF ANTIMICROBIAL ACTIVITY OF DIMETHYL PYRROLE DERIVATIVES

(51) International classification :A61K 314540, A61P 310400, C07D 051200, C07D 073400, C08G 730600
 (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)Virendera Kumar Mourya

Address of Applicant :Research Scholar, Department of Applied Science & Humanities, Rajkiya Engineering College, Ambedkar Nagar, UP 224122 / Dr. A. P. J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh, Pin Code: 226031 -----

2)Dr. Manjusha Tyagi**3)Dr. Ceema Mathew****4)PardeshiSagrikaMaheshsing****5)Bhavana Dubey****6)Suresh PopoatWaghmode****7)Dr. S Amutha****8)Mrynal Chamoli****9)Dr. RajshekharVadlakonda****10)Dr. Richa Mahant****11)Upender Rao Eslawath****12)Dr. J Ramesh**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Virendera Kumar Mourya

Address of Applicant :Research Scholar, Department of Applied Science & Humanities, Rajkiya Engineering College, Ambedkar Nagar, UP 224122 / Dr. A. P. J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh, Pin Code: 226031 -----

2)Dr. Manjusha Tyagi

Address of Applicant :Associate Professor, SGRRUiversity, Patel Nagar,Dehradun, Pin Code: 2480011 -----

3)Dr. Ceema Mathew

Address of Applicant :Associate Professor, GokarajuRangaraju College of Pharmacy, Nizampet, Bachupally, Hyderabad, Telangana, Pin Code: 500090 -----

4)PardeshiSagrikaMaheshsing

Address of Applicant :Lecturer, YSPM's Yashoda Technical Campus, Satara, Maharashtra, Pin Code: 415002 -----

5)Bhavana Dubey

Address of Applicant :Assistant professor, Saroj Institute of Technology and Management, Ahimamau, Lucknow, Uttar Pradesh, Pin Code: 226002 -----

6)Suresh PopoatWaghmode

Address of Applicant :Research Scientist, Solapur University, Solapur, Maharashtra, Pin Code: 413255 -----

7)Dr. S Amutha

Address of Applicant :Assistant Professor, Vivekananda College, Agasteeswaram, Tamil Nadu, Pin Code: 629701 -----

8)Mrynal Chamoli

Address of Applicant :Assistant professor, JBIT Groups of Institutions, Ranga Reddy, Telangana, Pin Code: 500075 -----

9)Dr. RajshekharVadlakonda

Address of Applicant :Associate Professor, Vikas College of Pharmacy, Jangoan, Telangana, India-506167. -----

10)Dr. Richa Mahant

Address of Applicant :Faculty, Jiwaji University Gwalior Madhya Pradesh, Pin Code: 474011 -----

11)Upender Rao Eslawath

Address of Applicant :Associate Professor, Vikas College of Pharmacy, Jangaon, Telangana, India-506167 -----

12)Dr. J Ramesh

Address of Applicant :Professor, Omega College of Pharmacy, Ghatkesar, Medchal, Telangana, India-501301. -----

(57) Abstract :

The present invention relates to a synthesis of dimethyl pyrrole derivative. Particularly, the present invention relates to a synthesis of pyrrole derivative, comprising formula III4-methylphenyl (2,5-dimethyl-1H-pyrrol-1-yl)carbamate. This synthesized compound was characterized using different spectroscopic techniques like 1H NMR and FT-IR. This compound was checked for its antimicrobial activity using Agar well diffusion method and it showed excellent antimicrobial activity against Aspergillus niger as test microorganism.

No. of Pages : 9 No. of Claims : 5