

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

---

---

निर्गमन सं. 33/2022  
ISSUE NO. 33/2022

शुक्रवार  
FRIDAY

दिनांक: 19/08/2022  
DATE: 19/08/2022

---

---

पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221045587 A

(19) INDIA

(22) Date of filing of Application :10/08/2022

(43) Publication Date : 19/08/2022

(54) Title of the invention : A NOVEL N-SUBSTITUTED-1,3,4-THIADIAZOLE ACETAMIDE DERIVATIVES AS POTENTIAL ANTICANCER AGENTS

<p>(51) International classification :B01J0019000000, C07D0417120000, C07D0417140000, C07D0271100000, C30B0029600000</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 : <b>1)Sachin G Lokapure</b> Address of Applicant :Plot No. 41, Serve No. 104, MIDC Shah Lulla Mahanagar, Trutiya 3rd, Savali, Tal, Miraj, Maharashtra 416410 -----</p> <p><b>2)Safiya Rafik Shaikh</b> <b>3)Akshay Ramchandra Yadav</b> <b>4)Pravin Pandurang Honmane</b> <b>5)Akshay Ashok Thorat</b> <b>6)Bhagyashree Antu Mote</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Sachin G Lokapure</b> Address of Applicant :Plot No. 41, Serve No. 104, MIDC Shah Lulla Mahanagar, Trutiya 3rd, Savali, Tal, Miraj, Maharashtra 416410 -----</p> <p><b>2)Safiya Rafik Shaikh</b> Address of Applicant :Adarsh College of Pharmacy, Vita Vita -----</p> <p><b>3)Akshay Ramchandra Yadav</b> Address of Applicant :Rajarambapu College of Pharmacy, Kasegaon Kasegaon -----</p> <p><b>4)Pravin Pandurang Honmane</b> Address of Applicant :Adarsh College of Pharmacy, Vita Vita -----</p> <p><b>5)Akshay Ashok Thorat</b> Address of Applicant :Late. Adv. Dadasaheb Chavan Memorial Institute of Pharmacy, Malwadi (Masur) Satara Masur -----</p> <p><b>6)Bhagyashree Antu Mote</b> Address of Applicant :Sinhgad Institute of Pharmaceutical Sciences, Kusgaon Lonavala, Pune Lonavala -----</p>
--	---

(57) Abstract :

Abstract The present invention relates generally to a Series of substituted thiadiazole derivatives were designed and synthesized by conventional method and microwave as a green chemistry method. Crystal structure of the gamma-secretase component Nicastrin (PDBCode-4R12) for anti-cancer activity were docked. Synthesized compounds were confirmed through spectral characterization using IR, NMR, MASS and XRD spectroscopy. Result indicated that these compounds showed promising anti-cancer activity.

No. of Pages : 19 No. of Claims : 2