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पेटेंट कार्यालय का एक प्रकाशन
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(54) Title of the invention : SYNTHESIS AND CHARACTERIZATION OF INDOLE DERIVATIVES FOR ANALGESIC ACTIVITY

<p>(51) International classification :C07D0413140000, B29C0065000000, A61B0005070000, C07D0209140000, C07D0209280000</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)Mr. Munna Singh Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. ----- 2)Dr. Sushil Kumar 3)Dr. Arvind Kumar 4)Dr. Phool Chandra 5)Mr. Shivam 6)Mr. Rajkumar Singh Bharti Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Mr. Munna Singh Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. ----- 2)Dr. Sushil Kumar Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. ----- 3)Dr. Arvind Kumar Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. ----- 4)Dr. Phool Chandra Address of Applicant :Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. ----- 5)Mr. Shivam Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. ----- 6)Mr. Rajkumar Singh Bharti Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p>
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(57) Abstract :

The present invention relates to the synthesis and characterization of indole derivatives for analgesic activity. 2-chloro-1(indoline-1-yl) ethanone was reacted with various substituted phenols to obtained different derivatives. The formed derivatives were further analyzed by TLC, melting point, IR and NMR. Further the synthesized compound were evaluated for in-vivo analgesic activity on various models like Eddy's hot plate (thermal pain induction), acetic acid induced writhing's (chemical induced pain), and Haffner's tail clip method (mechanical pain induction).

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