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<p>(51) International classification :A61K0036210000, A61K0036810000, A61K0009000000, A61K0031135000, A61K0036185000</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)Km. Monika Address of Applicant :Faculty of Pharmacy, IFTM University, Lodhipur Rajput, Pakbara, Delhi Road, Moradabad, Uttar Pradesh, India, Pincode-244102 --- ----- 2)Vivek Kumar 3)Swati Gautam Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Km. Monika Address of Applicant :Faculty of Pharmacy, IFTM University, Lodhipur Rajput, Pakbara, Delhi Road, Moradabad, Uttar Pradesh, India, Pincode-244102 ----- - ----- 2)Vivek Kumar Address of Applicant :Moradabad Educational Trust Group of Institutions (METGI), Faculty of Pharmacy Moradabad, Uttar Pradesh, India, Pincode-244001 ----- 3)Swati Gautam Address of Applicant :Faculty of Pharmacy, IFTM University, Lodhipur Rajput, Pakbara, Delhi Road, Moradabad, Uttar Pradesh, India, Pincode-244102 ----- - -----</p>
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(57) Abstract :

The present invention relates to the development of a herbal analgesic composition using the ethanolic root extract of *Amaranthus caudatus*. The roots were collected, dried, powdered, and subjected to Soxhlet extraction with 95% ethanol to obtain a concentrated extract. Acute oral toxicity studies confirmed the safety of the extract up to 2000?mg/kg body weight, as per OECD guideline 420. Based on this, two safe oral dose levels (200?mg/kg and 400?mg/kg) were selected for pharmacological evaluation. The invention provides a plant-based, non-toxic alternative to conventional analgesics, with potential for development into safe and effective herbal pain-relief formulations.

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