

(54) Title of the invention : ANTI-PSYCHOTIC POTENTIAL OF EXTRACTS OF ANGLICA GLAUCA L. ROOTS

<p>(51) International classification :A61K0036185000, A61K0008970000, A01H0003000000, C09D0005000000, A23L0033105000</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 :</p> <p>1)Dr. Amrita Mishra Address of Applicant :Pharmacognosy Research Laboratory, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p>2)Mr. Amardeep Singh</p> <p>3)Dr. Arvind Kumar</p> <p>4)Dr. Harpreet Singh</p> <p>5)Mr. Shahbaz Khan</p> <p>6)Dr. Alka Lohani</p> <p>7)Dr. Meena K Yadav</p> <p>8)Dr. Arun Kumar Mishra</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Amrita Mishra Address of Applicant :Pharmacognosy Research Laboratory, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p>2)Mr. Amardeep Singh Address of Applicant :Anjuman-A- Ashraf Pharmacy College, Gajraula , Amroha, Uttar Pradesh, Pin Code: 244241. -----</p> <p>3)Dr. Arvind Kumar Address of Applicant :Drug Design Laboratory, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 -----</p> <p>4)Dr. Harpreet Singh Address of Applicant :Drug Design Laboratory, School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 -----</p> <p>5)Mr. Shahbaz Khan Address of Applicant :Department of Pharmacology, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 -----</p> <p>6)Dr. Alka Lohani Address of Applicant :School of Pharmaceutical Sciences, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 -----</p> <p>7)Dr. Meena K Yadav Address of Applicant :Mahatma Gandhi Institute of Pharmacy, Lucknow, Uttar Pradesh, Pin Code: 227101 -----</p> <p>8)Dr. Arun Kumar Mishra Address of Applicant :Central Facility of Instrumentation, Pharmacy Academy, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p>
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(57) Abstract :

The present invention relates to evaluate the antipsychotic potential of Angilica glauca L. roots as it is claimed in traditional Ayurvedic literature to be used to treat the psychosis like conditions. The roots of plant were purchased from its natural habitat and authenticated prior to the experimental work. physicochemical properties of roots were evaluated and reported. The extraction was performed using two solvents- water and ethanol by cold maceration and hot percolation method respectively. The alcoholic extract showed the presence of alkaloids, carbohydrates, glycosides, phenolic compounds, and tannins while aqueous extract showed the presence of phenolic compounds and tannins. TLC was performed and solvent system for HPTLC was developed. Finger print was developed by HPTLC which can be used in the future for identification of this plant. In animal study, all the test groups were found to reduce the symptoms of psychosis induced by Ketamine. The best response was found in the group treated with 600 mg/kg dose.

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