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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : ANTIDIARRHOEAL POTENTIAL OF METHANOLIC EXTRACT OF ROOT BARK OF AILANTHUS EXCELSA

<p>(51) International classification :A61K0031460000, A61K0036185000, A23L0007000000, A01N0065000000, C08G0018360000</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)Dr. Munesh Mani</b> Address of Applicant :Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p><b>2)Dr. Navneet Verma</b> <b>3)Dr. Phool Chandra</b> <b>4)Dr. Divaker Shukla</b> <b>5)Dr. Prevesh Kumar</b> <b>6)Ms. Diksha</b> <b>7)Ms. Rita Yadav</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Dr. Munesh Mani</b> Address of Applicant :Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p><b>2)Dr. Navneet Verma</b> Address of Applicant :Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p><b>3)Dr. Phool Chandra</b> Address of Applicant :School of Pharmaceutical Science, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p><b>4)Dr. Divaker Shukla</b> Address of Applicant :Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p><b>5)Dr. Prevesh Kumar</b> Address of Applicant :Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p><b>6)Ms. Diksha</b> Address of Applicant :Pharmacy Academy, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p> <p><b>7)Ms. Rita Yadav</b> Address of Applicant :School of Pharmaceutical Science, IFTM University, Lodhipur Rajput, Delhi Road, Moradabad, Uttar Pradesh, Pin Code: 244102. -----</p>
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(57) Abstract :

The present invention relates to the preparation of methanolic extract of root bark of ailanthus excels and evaluations of its anti-diarrheal activity. Root bark is traditionally used as anti-diarrhoeal agent. Antidiarrhoeal activity of methanolic extract of root bark of A. excelsa (MEA) were evaluated by castor oil induced diarrhoea and small intestinal transit method at three doses i.e. 100mg/Kg, 150mg/Kg and 200mg/Kg of the body weight of the mice. The percentage of inhibition of castor oil induced diarrhoea in MEA treated mice was 55.27%, 66.33% and 63.81% at 100mg/Kg, 150mg/Kg and 200mg/Kg, respectively. Mean distance travelled by charcoal, as % total length of small intestine (cm) is less at 150mg/Kg of the dose of MEA and is comparable with standard drug atropine sulphate which is used as positive control and statistically significant (P < 0.01).

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