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पेटेंट कार्यालय का एक प्रकाशन  
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(54) Title of the invention : ANTIFERTILITY ACTIVITY OF BARK OF THESPESIA POPULNEA

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**(57) Abstract :**

The present invention relates to the preparation of ethanolic extract of barks of thespesia populnea and evaluation of their anti-fertility activity. Antifertility activity on two models, anti implantation and abortifacient activity. Three doses were selected (low 100 mg/kg and high dose 400mg/kg). The pregnant rats were randomly divided into five groups containing six in each group. Group I served as control, Group II served as standard group (Estradiol 0.45 mg/kg). Groups III, IV and V were treated with different dose of alcoholic extract at 100 mg/kg, 200mg/kg and 400mg/kg body weight respectively. The extract was administered orally after making a suspension in the vehicle of normal saline in distilled water from 1 to 7 day of pregnancy. All the test animals were laparotomized under light anesthesia and semi sterile conditions on day 10 of pregnancy. The uteri were examined to count the number of implantation sites.

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