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पेटेंट कार्यालय का एक प्रकाशन  
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(54) Title of the invention : ANTHELMINTIC ACTIVITY OF ROOTS OF LEUCOMERIS SPECTABILIS ON EARTHWORMS

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## (57) Abstract :

The present invention relates to a natural anthelmintic composition derived from the roots of *Leucomeris spectabilis*. The ethanolic extract of the roots is prepared using a Soxhlet extraction method, employing 95% ethanol to efficiently isolate bioactive compounds. The extract demonstrates significant anthelmintic activity against *Pheretima posthuma*, serving as a model for human parasitic roundworms. This invention provides a sustainable, cost-effective, and safe alternative to synthetic anthelmintic drugs, addressing the growing issue of drug resistance. The extracted material can be formulated into various pharmaceutical products, such as tablets, capsules, or suspensions, to treat helminthic infections in humans and animals. By utilizing a plant-based solution, this invention contributes to environmentally friendly healthcare practices, offering a valuable option for regions with limited access to conventional treatments.

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