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पेटेंट कार्यालय का एक प्रकाशन  
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(54) Title of the invention : WOUND HEALING POTENTIAL OF BACOPA MONNIERIIN ACID BURN & BOILING WATER INDUCED WOUNDS

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(57) Abstract :

The present invention relates to a wound healing composition comprising Bacopa monnieri (BM) leaf extract in varying concentrations of 20%, 50%, and 100%. The composition is formulated for topical application to promote wound healing in burn-induced wounds. Bacopa monnieri, a medicinal plant known for its therapeutic properties, has been shown to enhance collagen synthesis and accelerate wound healing through the increase of hydroxyproline content, wound contraction, and reduction in epithelization time. The composition is prepared by extracting BM leaves with a hydroalcoholic solution, followed by concentration and formulation into a cream. The wound healing potential of the BM leaf extract was evaluated in animal models using both acid burn and thermal burn (boiling water) wound models. This invention provides a promising natural remedy for effective wound healing, offering an alternative to conventional wound care treatments.

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