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(57) Abstract :

The present invention relates to a hepatoprotective composition comprising an ethanolic extract of Leucas cephalotes for the prevention and treatment of drug-induced liver toxicity, particularly paracetamol-induced hepatotoxicity. The extract was evaluated in rats and demonstrated significant reduction in elevated liver enzymes (SGOT, SGPT, ALP, bilirubin) and restoration of total protein and globulin levels. Histopathological examination confirmed reduced liver necrosis and hemorrhage in treated groups. The extract was administered orally in doses of 100, 200, and 400 mg/kg using 2% gum acacia as a vehicle. The results were comparable to those of the standard hepatoprotective drug, silymarin. This invention offers a safe, effective, and natural alternative for managing liver damage through plant-based therapy.

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