

(54) Title of the invention : "POLYHERBAL LIPID-LOWERING THERAPY TO COMBAT HYPERLIPIDAEMIA IN RATS"

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(57) Abstract :  
 Hyperlipidaemia is a disorder of lipid metabolism and a significant risk factor for obesity and cardiovascular diseases, affecting millions globally. This study develops and evaluates a polyherbal formulation of *Cissus quadrangularis*, *Picrorhiza kurroa*, and *Combretum indicum* (1:1:1 ratio) for its antihyperlipidemic effects. Preliminary screening identified phenolic acids, flavonoids, and tannins in the formulation. Acute toxicity tests determined safe doses of 200 mg/kg and 400 mg/kg. After inducing hyperlipidaemia in rats with Triton X-100, treatment with the polyherbal elixir for seven days resulted in significant normalization of body weight, BMI, lipid profiles, and liver enzymes. The study supported the antihyperlipidemic effects, indicating the formulation's potential due to its active 15 phytochemicals.

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