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(54) Title: ANTI-OBESITY POTENTIAL OF CALEBIN A

(57) Abstract: The present invention discloses the potential of Calebin A in inhibiting adipogenesis and applications thereof in obesity management. The present invention elucidates the potential of Calebin A to favorably modulate biochemical markers associated with obesity. Notable biomodulatory properties of Calebin A include inhibiting leptin production, increasing adiponectin expression and inhibiting local (adipocyte) and systemic inflammation caused by pro-inflammatory cytokines Tumor Necrosis Factor (TNF- α), Interleukin-6 (IL-6) and Interleukin-1 (IL-1 β).

