

(54) Title of the invention : FORMULATION, CHARACTERIZATION AND EVALUATION OF ANDROGRAPHIS PANICULATA HERBOSOMES FOR IMPROVED PERMEABILITY

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(57) Abstract :

The aim of present invention is to resolve rapid clearance and high plasma protein binding and poor bioavailability problems. The Andrographolide rich extract loaded herbosomes was formulated to enhance permeability and in vivo bioavailability. In ALH (Andrographolide loaded Herbosome) best formulations are AH8 and AH11. For AH8 the ratio of herbosomes extract, lipid, and temperature ratio are 60 mg, 80 mg, 80°C respectively, whereas for AH11, the ratio of herbosomes extract, lipid, temperature ratio are 40 mg, 60 mg and temp are 80° C. Best formulation selected on the basis of particle size and entrapment the particle size and entrapment of AH8 is 287.19 µm and 84.12 % respectively, AH11 is 288.86 µm, 84.32 % respectively.

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