

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

(51) International classification :A61K0036190000, A61K0031365000, A61K0047690000, A61K0047540000, B82Y0005000000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)DR. ABHISHEK TIWARI

Address of Applicant :PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA. -----

2)MS. GAYATRI JOSHI

3)DR. VARSHA TIWARI

4)DR. NAVNEET VERMA

5)DR. PRASHANT UPADHYAY

6)DR. SUKIRTI UPADHYAY

7)DR. MANISH KUMAR

8)DR. VIPIN SAINI

9)DR. SUNIL SINGH

10)DR. ANAND PODDAR

11)DR. SURESH KUMAR

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)DR. ABHISHEK TIWARI

Address of Applicant :PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA. -----

2)MS. GAYATRI JOSHI

Address of Applicant :ASISTANT PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA. -----

3)DR. VARSHA TIWARI

Address of Applicant :PROFESSOR, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA. -----

4)DR. NAVNEET VERMA

Address of Applicant :DIRECTOR & DEAN, PHARMACY ACADEMY, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA. -----

5)DR. PRASHANT UPADHYAY

Address of Applicant :ASSOCIATE PROFESSOR, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA. -----

6)DR. SUKIRTI UPADHYAY

Address of Applicant :ASSOCIATE PROFESSOR, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, INDIA. -----

7)DR. MANISH KUMAR

Address of Applicant :PROFESSOR, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA, AMBALA, HARYANA 133207 -----

8)DR. VIPIN SAINI

Address of Applicant :DIRECTOR RAAC, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA, AMBALA, HARYANA 133207 -----

9)DR. SUNIL SINGH

Address of Applicant :PRINCIPAL, SHRI SAI COLLEGE OF PHARMACY, DIST, PRAYAGRAJ, UTTAR PRADESH, INDIA. -----

10)DR. ANAND PODDAR

Address of Applicant :PODDAR INTERNATIONAL COLLEGE, SECTOR-7, NEAR SJIPRA PATH, MANSAROVAR, JAIPUR – 302020 -----

11)DR. SURESH KUMAR

Address of Applicant :BHARAT INSTITUTE OF PHARMACY, PEHLADPUR, BABAIN KURUKSHETRA HARYANA INDIA -----

(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.

No. of Pages : 30 No. of Claims : 6