

(54) Title of the invention : CONTROLLED-RELEASE FLUVASTATIN MICROSPHERES BY RESPONSE SURFACE METHODOLOGY •

(51) International classification	:A61K0009160000, A61K0009500000, A61K0031600000, B32B0003260000, B41M0005500000	(71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector -9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)SHARMA, Neelam
(33) Name of priority country	:NA	2)SINGH, Sukhbir
(86) International Application No	:NA	3)ARORA, Sandeep
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	

(57) Abstract :

The present invention relates to controlled-release microsphere composition comprising fluvastatin or a salt thereof having a bilayer shell structure comprising an outer polymer layer and an inner layer, and a core comprising the fluvastatin or a salt thereof, wherein the microspheres have a mean size diameter in a range from 100 um to 500 um; and wherein, the drug to polymer ratio is in the range of 1:1 to 1:5. The present invention also relates to optimization of the process for preparation of controlled-release microsphere by response surface methodology such that high entrapment efficiency and high yield of the microspheres is obtained.

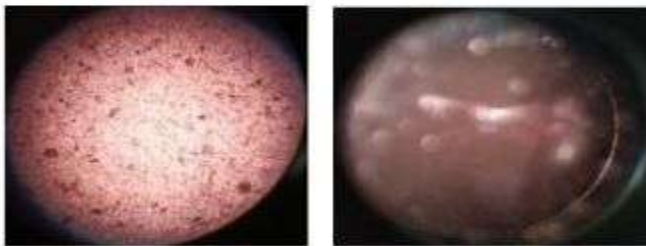


FIGURE 1

No. of Pages : 30 No. of Claims : 16