(12) PATENT APPLICATION PUBLICATION   (21) Application No.20242104622O A

(19) INDIA

(22) Date of filing of Application :14/06/2024   (43) Publication Date : 12/07/2024

(54) Title of the invention : "ROSIGLITAZONE LOADED LIPONIOSOMAL FORMULATION WITH EXTENDED HALF-LIFE"

(51) International classification : A61P3/06, A61K9/127, A61K9/1272, A61K31/44, A61K31/427
 (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)**Mr. Akash Pandey**
	     Address of Applicant :Rajiv Gandhi Institute of Pharmacy, AKS University, Sherganj, Panna Road, Satna (MP)-485001 ----------- -----------
	  2)**Dr. Surya Prakash Gupta**
	  3)**Rajiv Gandhi Institute of Pharmacy, AKS University**
	 Name of Applicant : NA
	 Address of Applicant : NA
	 (72)**Name of Inventor :**
	  1)**Mr. Akash Pandey**
	 Address of Applicant :Rajiv Gandhi Institute of Pharmacy, AKS University, Sherganj, Panna Road, Satna (MP)-485001 ----------- -----------
	  2)**Dr. Surya Prakash Gupta**
	 Address of Applicant :Rajiv Gandhi Institute of Pharmacy, AKS University, Sherganj, Panna Road, Satna (MP)-485001 ----------- -----------

(57) Abstract :

The present invention relates to a hybrid formulation of liposome and niosomes in the form of liponiosomes loaded with drug rosiglitazone having extended half-life. In the said formulation, cholesterol is used as the membrane stabilizer, span 60 as non-ionic surfactant, phosphatidylcholine as the lipid and tween 80 as an edge activator. The use of edge activator in the said formulation assists in enhancing membrane flexibility and drug permeability. The rosiglitazone loaded liponiosomal formulation is prepared by adopting the reverse ethanol injection method.

No. of Pages : 23 No. of Claims : 8