

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411034451 A

(19) INDIA

(22) Date of filing of Application :30/04/2024

(43) Publication Date : 10/05/2024

(54) Title of the invention : CINNARIZINE COCRYSTAL LOADED GASTRORETENTIVE EXPANDABLE FILMS PREPARATION AND THEREOF

<p>(51) International classification :A61K31/00, A61K47/10, A61K47/32, A61K47/38, A61K9/70, B82Y5/00</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----- 2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Inderbir Singh Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----- --- 2)Ritu Rathi Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----- --- 3)Arya Rai Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----- --- 4)Akshay Sharma Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----- --- 5)Harinderjit Singh Sidhu Address of Applicant :Adesh Institute of Pharmacy and Biomedical Sciences, Adesh University, Bathinda, Punjab Bathinda -----</p>
---	--

(57) Abstract :

The present invention relates to a cinnarizine Cocrystal loaded Gastroretentive Expandable Films, comprising of: cinnarizine and a co-former in an equimolar ratio; a polymer solution comprising of at least one polymer dissolved in 1%acetic acid in an amount of 300-800 mg and a plasticizer in an amount of 0.4-1ml to form a cinnarizine co-crystal loaded gastroretentive expandable film with a sustained release over 24 hours and thermal stability. Reference Fig 1

No. of Pages : 30 No. of Claims : 10