

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511094301 A

(19) INDIA

(22) Date of filing of Application :30/09/2025

(43) Publication Date : 14/11/2025

(54) Title of the invention : AMINO ALKYL CHALCONE DERIVATIVES AND A METHOD OF SYNTHESIS THEREOF

(51) International classification	:A61P0043000000, A61P0029000000, A61P0011000000, A61P0025040000, A61P0025000000	(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Punjab India 2)Chitkara Innovation Incubator Foundation
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. Manjinder Singh
(33) Name of priority country	:NA	2)Dr. Pratibha Sharma
(86) International Application No	:	3)Dr. Ravinder Singh
Filing Date	:01/01/1900	4)Dr. Thakur Gurjeet Singh
(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 alkoxy chalcone derivatives of compound of formula (I), represented by I wherein R1R2 is selected independently from H, C₁-C₄ alkyl, hydroxy-C₁-C₄-alkyl, or (CH₂)_n-Het (n = 1-3) where Het is a saturated N-heterocycle selected from piperazin-1-yl, morpholin-4-yl, piperidin-1-yl, azepan-1-yl, optionally N-substituted by C₁-C₄ alkyl; or together with the N form a 5-7 membered saturated or partially saturated nitrogen-containing ring optionally bearing an additional N or O atom, where any ring nitrogen can be N-alkyl (C₁-C₄). Wherein R3 is selected from the group consisting of hydrogen (H), alkyl groups (C₁-C₆), cycloalkyl groups (C₃-C₈), aryl groups (C₆-C₁₀), aralkyl groups (C₇-C₁₂), heteroaryl groups (C₄-C₁₀), alkoxy, aryl amide derivatives including N-acyl substituted anilines and halogen groups wherein said groups may be unsubstituted or optionally substituted with one or more substituents selected from halogen, hydroxyl, alkoxy, nitro, amino, and carboxy groups.

No. of Pages : 17 No. of Claims : 11