

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241018870 A

(19) INDIA

(22) Date of filing of Application :30/03/2022

(43) Publication Date : 20/05/2022

(54) Title of the invention : SYNTHESIS AND PPARGAMMA COMPETITIVE BINDING ANALYSIS OF FOUR NOVEL GLITAZONES INCORPORATED WITH IMIDAZOLE AND PHENYL GLYCINE

<p>(51) International classification :A61K0031443900, G01N0033820000, G01N0024080000, A61K0031426000, A61K0039395000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : 1)JSS College of Pharmacy, Ooty- JSS Academy of Higher Education and Research Address of Applicant :JSS College of Pharmacy, Rocklands, Post Box No. 20, Ooty-643001, Tamil Nadu INDIA. ----- ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)JSS College of Pharmacy, Ooty- JSS Academy of Higher Education and Research Address of Applicant :JSS College of Pharmacy, Rocklands, Post Box No. 20, Ooty-643001, Tamil Nadu INDIA. ----- ----- 2)DR. A JUSTIN Address of Applicant :Associate professor, Dept. of Pharmacology, JSS college of Pharmacy, Ooty ----- 3)DR. S. P DHANABAL Address of Applicant :Principal, JSS College of Pharmacy, Ooty - ----- 4)MS. ASHWINI PREM KUMAR Address of Applicant :Research Scholar, JSS College of Pharmacy, Ooty ----- 5)DR. B R PRASHANTHA KUMAR Address of Applicant :Associate professor, JSS College of Pharmacy, Mysuru ----- 6)MR. SUBHANKAR MANDAL Address of Applicant :Research scholar, JSS College of Pharmacy, Mysuru ----- 7)MRS PRABITHA P Address of Applicant :Research Scholar, JSS College of Pharmacy, Mysuru -----</p>
--	--

(57) Abstract :

Synthesis and PPARGamma competitive binding analysis of four novel glitazones incorporated with imidazole and phenyl glycine is proposed invention. The proposed invention is four glitazones have been synthesised for potential PPAR- γ binding activity. The novel glitazones were structurally analysed using ¹H-NMR, ¹³C-NMR and FT-IR. TR-FRET, an in-vitro PPAR- γ competitive binding assay