(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/09/2025
(21) Application No.202511094298 A
(43) Publication Date : 14/11/2025

(54) Title of the invention : SIMULTANEOUS QUANTIFICATION OF GLIMEPIRIDE AND LOVASTATIN IN BIOLOGICAL FLUIDS

(51) International classification	:G01N0030060000, G01N0030020000, G01N0030740000, G01N0030880000, A61K0031640000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	: :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
Abstract Simultaneous Quantification of Glimepiride and Lovastatin in Biological Fluids The present invention relates to a novel, validated reverse-phase high-performance liquid chromatography (RP-HPLC) method for the simultaneous quantification of Glimepiride and Lovastatin in biological fluids. The process involves sample extraction using protein precipitation, centrifugation to obtain a clear supernatant, and chromatographic separation on a C18 column under isocratic conditions with a mobile phase of methanol, acetonitrile, and phosphate buffer (70:20:10, v/v) adjusted to pH 4. Reference Fig 1

No. of Pages : 21 No. of Claims : 10