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(51) International classification	:A61P0027020000, A61K0009000000, A61P0003100000, A61P0031000000, A61K0031573000	(71) <b>Name of Applicant :</b> <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura Punjab India <b>2)Chitkara Innovation Incubator Foundation</b>
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(57) Abstract :

The present invention discloses a composition for managing diabetic complications includes N-Benzyl-Acridone derivatives that inhibit Aldose Reductase-2 (ALR2) enzyme activity, thereby reducing the progression of diabetic retinopathy. The composition is formulated as an ophthalmic solution for topical administration to the eye, with N-Benzyl-Acridone derivatives present in a concentration ranging from about 0.01% to about 1.0% w/v. Additional components may include a solubilizer, wetting or solubilizing aid, buffer, tonicity agent, chelator, and preservative, each contributing to the stability and efficacy of the solution.

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