



Docking Studies of Few Substituted 5-Benzyl-2, 4-Thiazolidinedione with PPAR- γ for Antidiabetic Activity

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SUMMARY. Docking studies of few substituted 5-benzyl-2, 4-thiazolidinedione moiety, which acts as peroxisome proliferator-activated receptor γ agonist was performed by using Glide v4.5. The docking studies reveal hydrogen bond formation to Thr241 with Gscore -7.22 and energy -62.2 kcal/mole. We found hydrogen bond formation of most of compounds with good Gscore and low energy as compared to the most active rosiglitazone.

KEY WORDS: Docking, Glide, PPAR- γ , rosiglitazone, Thiazolidinedione.

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