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(57) Abstract :

The present invention relates to pharmaceuticals. Specifically, the present invention relates to novel glucokinase activator compounds of Formula I, their pharmaceutically acceptable tautomers, isomers and salts thereof, exhibiting therapeutic activity and acting as anti-diabetic agents. The present invention further relates to process for preparation of compounds of Formula I. The present invention also relates to In silico evaluation of the compounds of Formula I using 10 AutoDock Vina and AutoDock Tools. The present invention relates to compounds of Formula I acting as allosteric activators of human glucokinase.

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