The chromene compound 1 used as a key intermediate for synthesis of new heterocyclic compounds, it reacted with hydrazonoyl chlorides in presence of TEA to give the amidrazone derivatives 3a-h which were cyclized to the corresponding triazepines5a-h on boiling with sodium ethoxide. Conversion of compound 1 to the methylthiocarbamate derivative 6 was performed through its reaction with carbon disulphide and KOH followed by methyl iodide. Compound 6 reacted with hydrazonoyl chlorides in presence of TEA to give thiadiazoles8a-g. In addition, chromene 1 combined with aminodithiocarbamic acid in DMF under reflux to furnish the thiosemicarbazide derivative9 which in turn interacted with several hydrazonoyl chlorides to give the thiazole derivatives 11a-e. The structures of the prepared compounds were confirmed from their spectroscopic data and elemental analysis. The synthesized compounds were tested against both MAO-A and MAO-B and showed good inhibitory activities especially against MAO-A.