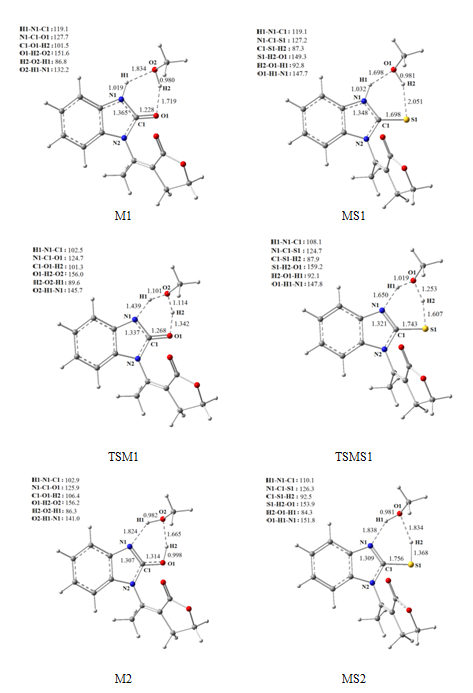


**Figure S1.** Optimized geometries involved in hydrogen peroxide assisted tautomerisation reactions.



**Figure S2.** Optimized geometries involved in methanol assisted tautomerization reaction.