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Synthesis of Biologically Active 3-Hydroxy-3-Phenyl-1-(5-Chloro-2-Methyl) Phenyltriazene and Application in the Spectrophotometric Study of Iron Complex

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ABSTRACT

In the present study synthesis, characterization and activity prediction of 3-hydroxy-3-phenyl-1-(5-chloro-2-methyl) phenyltriazene has been done. The spectrophotometric behaviour of complex of Fe (III) with 3-hydroxy-3-phenyl-1-(5-chloro-2-methyl) phenyltriazene was also studied. It was observed that 3-hydroxy-3-phenyl-1-(5-chloro-2-methyl) phenyltriazene forms 1:3 complex with Fe (III) between pH 2.8-3.8.

Keywords: 3-hydroxy-3-phenyl-1-(5-chloro-2-methyl) phenyltriazene, spectrophotometric determination of Fe (III), PASS,CADD.