Abstract

Schiff bases are compounds that have functional groups imine (C=N). These compounds are good ligands and in many complex structures are. Schiff bases are numerous applications. For example: the compounds in pharmaceutical, agricultural, plastic and colors used. For many applications, it is important synthesis. The major method for the synthesis of these compounds include aldehydes and amines density, which is associated with water removal. Schiff bases Schiff bases are heterocyclic group of heterocyclic compound is present in the structure. In this study, the number 7 is synthesized quinoline Schiff base. The 2-chloro-3-formyl quinoline as raw material acetanilide phosphorylation reaction chloride ($POCl_3$).

The DMF solvent was prepared under temperature 0 ^{o}C. In the next step, the aldehyde with aniline derivatives in ethanol under reflux respective Schiff bases as a final product with an efficiency % 95-70 generates. The structure of these compounds by spectral data FT-IR, ^{1}H NMR, ^{13}C NMR been proven.

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Title:
Synthesis of Schiff bases of 2-Chloro-3-Formyl Quinoline

Supervisor:
Dr. H. Beyzaei
Dr. Gh. Bagherzade

Advisor:
Dr. R. Aryan
Dr. A. Samzadeh Kermani

By:
Hadis Hosseini Moghadam

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