

Therapeutic Activities of Some Transition Metal Complexes of Schiff Bases Derived from Aminopyridines: A Review

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Abstract: Schiff base ligands are taken into consideration as an important class of ligands in coordination chemistry, as they are simply synthesized by using condensation of amine with carbonyl compounds. The chelating property of Schiff bases plays a significant role in their therapeutic activities and this could be helpful in the development of different compounds with good biological activities. Aminopyridines are an important class of heterocyclic compounds which have been significantly studied within the last decades due to their interesting therapeutic activities. They exist in isomeric forms: 2-aminopyridine, 3-aminopyridine and 4-aminopyridine. The range of their therapeutic activities has attracted the attention of many researchers. Six membered heterocyclic compounds in arrangement with aromatic moieties played an important role in designing a new class of Schiff base ligands which shows widespread biological behaviour. Present paper summarizes various therapeutic applications of some transition metal complexes of Schiff bases derived from Aminopyridines.

Keywords: Aminopyridine, Therapeutic, Schiff Bases, Transition Metal, Ligands, Coordination.

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