

The Application of New Ligands including Different Atoms and Evaluation of Their Nucleophile Effects against Various Metals

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Abstract : The objectives of this experiment were to investigate the application of new ligands including different atoms and evaluation of their nucleophile effects against various metals. Chemistry researchers are really interested in this field. From among various ligands, there are some ligands with different coordinating ligands as well. There are great number of intermediate complexes and major elements of organic compositions with various atoms. There is a regular adding of new compositions. Complexes are the most important chemical combinations with various catalysts and biological, medicinal and other applications. Those complexes with ligands including different atom givers are really important and their synthesis could solve most of chemical problems. Supplying of new ligands is an important and key part of coordination chemistry which may cause some varieties and different properties in complexes with equal central nucleus. As a result, this research has evaluated new ligands including different coordination atoms, such as oxygen, nitrogen etc. along with their behavior against various metals like copper, nickel, iron etc.

Keywords : ligands, nucleophile, iron, cobalt, copper

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