

**Copper (II) and Nickel (II) Chelates of Schiff  
base Derived from 1, 5-diglutraldehyde with  
*ortho*-phenylene diamine**

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**Abstract:** A Schiff-base ligand derived from *ortho*-phenylene diamine and 1,5-diglutraldehyde and its transition metal chelates with Cu (II) and Ni (II) have been synthesized. The prepared Schiff-bases were characterized by IR, UV-Visible and CHN. The electrical properties of the prepared Schiff-bases were studied and the maximum value of the conductivity was  $4.153 \times 10^{-4} \text{ ohm}^{-1} \cdot \text{cm}^{-1}$  after doping with  $\text{I}_2$ .

**Keyword:** *Schiff-bases Complexes, Electrical Properties, ortho-phenylene diamine*