

## NEW DIMETHYLGLYOXIME PSEUDOHALIDE COMPLEXES

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### ABSTRACT

In this study, Three new metal psuedohalide complexes, [Co(dmg)<sub>2</sub>(N<sub>3</sub>)<sub>2</sub>] (1), [Cu(dmg)(Lys)(N<sub>3</sub>)<sub>2</sub>] (2) [Ni(dmg)<sub>2</sub>(N<sub>3</sub>)<sub>2</sub>] (3) have been synthesized from dimethylglyoxime and lysine. The structures of these metal complexes were proposed based upon IR spectroscopy. These mixed psuedohalide complexes are showing trans-coordination with short bridging ligand(N<sub>3</sub>).Three complexes were reported in this paper and proposed their chemical structures with the help of chem draw. These structures are in good agreement with IR frequencies.

**KEYWORDS:** Dimethylglyoxime (DMG), Coordination Chemistry, Cu(II), Co(II), Complex, Ni(II), Aminoacid