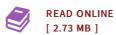




Some Complexes of N-Aryl Furfural Nitrones with Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) Chlorides

By Amer Taga

Grin Verlag Gmbh Apr 2013, 2013. Taschenbuch. Book Condition: Neu. 210x148x2 mm. This item is printed on demand - Print on Demand Titel. - Scholarly Essay from the year 2011 in the subject Chemistry - Anorganic Chemistry, printed single-sided, grade: 3, University of Mosul (DBS), language: English, abstract: Some new metal(II) dichloride complexes with the ligands substituted nitrones of thegeneral formula [ML2Cl2], where M= Co(II), Ni(II), Cu(II), Zn(II) and Cd(II),L=OCH=CHCH=C-CH=N(O)C6H4X (X=H,p-CH3,CH3CO,F,Cl,and Br) havebeen prepared and characterized by elemental analysis, IR,1H,13C NMR and Vis/Uvspectroscopy. The IR spectral data showed that the nitrone ligands coordinated withthe metal ion through the most active atom of the N-oxide to give square plannercoordinate (Cu,Ni,) complexes and (Zn,Cd,Co) tetrahedral complexes. No correlationwas observed between the N-O vibrations stretching hing frequency (N-O) of thecomplexes and the Hammet () constants. 32 pp. Englisch.



Reviews

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