Synthesis, Conductometric and Spectral Study of [Cr3O(OAC)6(TMP)3]Br

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The basic acetates of Chromin(III) and Iron(III) are the best known members of a family of complexes of general formula [M3O(OOCR)6L3]+, containing a central oxide ion and a triangular arrangement of metal ions M3+. Six carboxylate anions each span two metal centres about of the (M3O) core, whilst the neutral unidentate ligands occupy the remaining coordination sites on each metal centre. The unidentate ligands can exchange by different unidentate ligands. Which by changing ligand L forexample trialkyle phosphates, new complexes could be synthesized [1-8].

REFERENCES