



Synthesis and Characterization Studies of Schiff base Complexes of Chromium (III)

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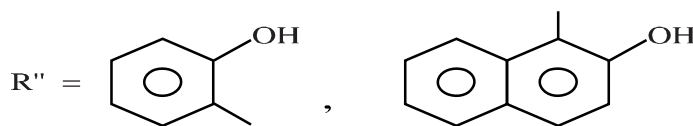
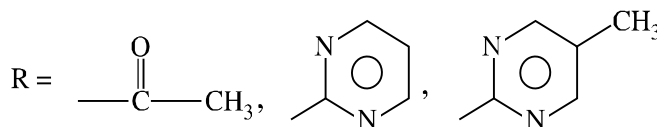
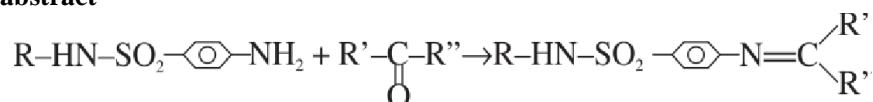
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ABSTRACT

M(III) complexes of chromium with Schiff base, derived from sulpha drugs and aldehyde/Ketone. These Complexes were characterized with the help of elemental analyses, conductance measurements, magnetic susceptibility measurements and IR spectral studies. The biological activities of these complexes have been tested invitro to evaluate their activity against gram (+) and gram (-) bacteria. Complexes for Escherichia coli (-), Staphylococcus aureus (+), Pseudomonas capapicola (-) were found, to be more active than ligands.

Graphical abstract



Synthesis of Schiff base ligands

Keywords: Cr (III) Complexes, NOH donor, Antibacterial Activity.