

# Poster Presentations

## Synthesis, Characterization, Antibacterial Activities of Novel Polydentate Schiff's Bases-Metal Complexes

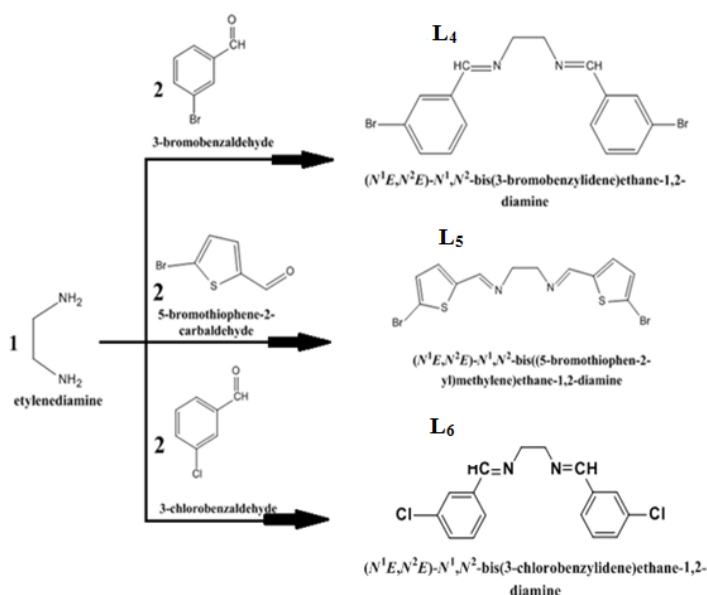
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### Abstract

Six new Schiff's bases ligands were prepared by the condensation reaction of primary amines with aldehydes in absolute ethanol under reflux conditions. The Schiff-base metal complexes were prepared by coordinating Copper Bromide and Cadmium Chloride with the corresponding ligand in solvent and inert system.



The ligands and their metal complexes were characterized by IR, UV-VIS spectroscopy, EA,  $^1\text{H-NMR}$ ,  $^{13}\text{C-NMR}$ , TG/DTA.

The free ligands and their Cu(II) complexes revealed good anti-bacterial activities against several types of gram positive and gram negative bacteria.

**Keywords:** Cu(II) complexes, Schiff bases, chelate polydentate ligands.