



Abstract

The biological activity of four silver complexes have been studied. Four complexes i.e. (1) [Ag(depe)], (2) [Ag(ipe)₂], (3) [Ag(cme)₂], and (4) [Ag(dme)₂] were synthesized. Silver nitrate, 1,6-diethyl dipicolinate, isopropyl picolinate, cetirizine methyl ester and diclofenac methyl ester were used to fabricate the required four complexes which were structurally characterized using CHNS, FTIR, and NMR spectroscopy. The antibacterial activities of these four complexes were observed against selected Gram-negative (*E. coli*, *Acinetobacter*) as well as Gram-positive (*Bacillus subtilis*, *Bacillus muralis*) bacterial strains.