



In Vitro Cytotoxicity and Antibacterial Activities of Cephalosporin Tin(II) Complexes

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SUMMARY. Cytotoxicity and antibacterial activities of three novel tin(II) complexes containing cephalosporins: [Sn(cephalothin)Cl], [Sn(cephradine)Cl].H₂O and [Sn(cefotaxime)Cl].H₂O were investigated against *Artemia salina* (brine shrimp) and four bacterial strains. The results were compared with the activity of free cephalosporins. The coordination of cephalothin and cephradine to tin(II) ion showed an enhancement of the antibacterial activity.

KEY WORDS: Antibacterial activity, Cytotoxicity, Metalloantibiotics, Tin complexes.

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