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Synthesis of some metal complexes of Fosfomycin

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The use of fosfomycin is in the treatment of multidrug-resistant bacterial infections and in the treatment of pediatric cancer patients. The continued chemotherapeutic application of cisplatin cis-diammine dichloroplatinum [II] necessitates reduction of its dose-limiting toxicity without decreasing its tumoricidal effect. Fosfomycin is considered a potential antidote for the dose-limiting ototoxicity and nephrotoxicity of cisplatin chemotherapy. In this research, some metal complexes of the fosfomycin have been synthesized. The characterization of the intermediate and final compounds arising from this work was carried out by means of a variety of spectroscopic methods, which include ^1H NMR, IR, MS, and elemental analysis.

Biography

Kadriye Benkli has completed her PhD from Anadolu University. She is a Professor and works at Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Anadolu University. She has published more than 40 papers in reputed journals and has been serving as an Editorial Board Member of reputed.

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