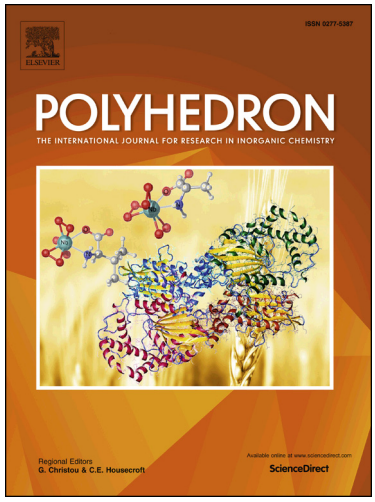

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Complexes of zinc(II) with N-[2-(hydroxyalkyliminomethyl)phenyl]-4-methylbenzenesulfonamides: synthesis, structure, photoluminescence properties and biological activity

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A B S T R A C T

The synthesis of a series of zinc(II) complexes with Schiff bases products of condensation of 2-tosylamonobenzaldehide with various aminoalcohols containing aliphatic spacers of a variable length $(CH_2)_n$ (n = 2-6) was performed. All compounds were characterized with C, H, N elemental analysis, FT-IR, ^{1}H NMR, X-ray absorption spectroscopy, UV-vis and photoluminescence data. The local atomic structures of complexes were determined by X-ray absorption spectroscopy

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