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Synthesis, characterization, luminescent properties and biological activities of zinc complexes with bidentate azomethine Schiff-base ligands

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ABSTRACT

A series of zinc complexes with a bidentate azomethine Schiff base ligands derived from 2-tosylaminobenzaldehyde, 2-hydroxy-, 2-hydroxy-5-methoxybenzaldehydes, 2-hydroxynaphthaldehyde and 3,4-dimethoxyphenylethylamine were synthesized by chemical and electrochemical methods. All compounds were characterized on the basis of C, H, N elemental analysis, FT-IR, ¹H NMR, UV-vis and photoluminescence studies.

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