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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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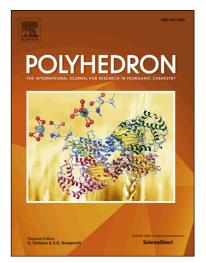
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## ACCEPTED MANUSCRIPT

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

A. S. Burlov<sup>a</sup>, V. G. Vlasenko<sup>b,\*</sup>, Yu. V. Koshchienko<sup>a</sup>, N. I. Makarova<sup>a</sup>, A. A.
Zubenko<sup>c</sup>, Yu. D. Drobin<sup>c</sup>, G. S. Borodkin<sup>a</sup>, A. V. Metelitsa<sup>a</sup>, Ya. V. Zubavichus<sup>d</sup>,
D. A. Garnovskii<sup>e</sup>

<sup>a</sup>Institute of Physical and Organic Chemistry of Southern Federal University, Stachki ave. 194/2, Rostov-on-Don 344090, Russian Federation;
e-mail: anatoly.burlov@yandex.ru
<sup>b</sup>Institute of Physics of Southern Federal University, Stachki ave. 194, Rostov-on-Don 344090, Russian Federation
<sup>c</sup>North-Caucasian Zonal Scientific Research Veterinary Institute, Rostov highway, 0, Novocherkassk 346421, Russian Federation
<sup>d</sup>NRC Kurchatov Institute, 1 Acad. Kurchatov Sq., Moscow 123182, Russian Federation
<sup>e</sup>Southern Scientific Centre of Russian Academy of Sciences, Chekhova ave. 41, Rostov-on-Don 344006, Russian Federation

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## **ABSTRACT**

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, <sup>1</sup>H NMR, X-ray absorption spectroscopy, UV-vis and photoluminescence data. The local atomic structures of complexes were determined by X-ray absorption spectroscopy

E-mail address: v\_vlasenko@rambler.ru

<sup>\*</sup>Corresponding author

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