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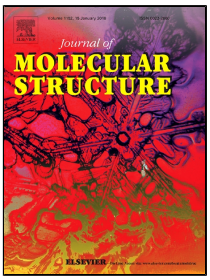

Synthesis, crystal structures, spectral, thermal and antimicrobial properties of new Zn(II) 5-iodo- and 5-bromosalicylates

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PII:	S0022-2860(17)31452-7
DOI:	10.1016/j.molstruc.2017.10.094
Reference:	MOLSTR 24465
To appear in:	*Journal of Molecular Structure*
Received Date:	20 September 2017
Revised Date:	25 October 2017
Accepted Date:	26 October 2017

Please cite this article as: P. Košická, K. Győryová, L. Smolko, R. Gyepes, D. Hudecová, Synthesis, crystal structures, spectral, thermal and antimicrobial properties of new Zn(II) 5-iodo- and 5-bromosalicylates, *Journal of Molecular Structure* (2017), doi: 10.1016/j.molstruc.2017.10.094

Synthesis, crystal structure, spectral, thermal and antimicrobial properties of Zn(II) 5-iodo- and 5-bromosalicylates

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- Two Zn(II) complexes with 5-iodo- and 5-bromosalicylic acid were prepared and characterized by elemental analysis, IR spectroscopy and complexometry
- Crystal structures of both complexes was determined by single-crystal X-ray structural analysis
- Thermal decomposition of prepared complexes was described
- Antimicrobial activity of prepared complexes against selected microorganisms was studied
- Effect of the halogen substituent on antimicrobial activity in series of Zn(II) 5-substitued salicylates was revealed