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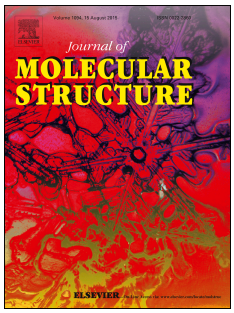

Synthesis, characterization and biological activities of copper(II) complex of 2-Benzimidazolyl-urea and the nitrate salt of 2-Benzimidazolyl-urea

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Graphical abstract

Synthesis, characterization and biological activities of copper(II) complex of 2-Benzimidazolyl-urea and the nitrate salt of 2-Benzimidazolyl-urea

Mehmet Poyraz, Musa Sari, Christina N. Banti and Sotiris K. Hadjikakou

The complex {[Cu(BZIMU)$_2$](NO$_3$)$_2$} (**1**) (BZIMU= 2-Benzimidazolyl-urea) is reported here. The crystal structures of **1** and of the nitrate salt of [(BZIMUH$^+$)(NO$_3$)$^-$] (**2**) were determined by X-ray diffraction analysis.

The compounds **1** and **2** were evaluated for their *in vitro* cytotoxic activity (cell viability) against HeLa and MCF-7 cells and normal MRC-5 cells.