

Poster Presentations

Mixed diamine [Cu(NN)(NN)]Br₂ complexes and their potential against several types of bacteria

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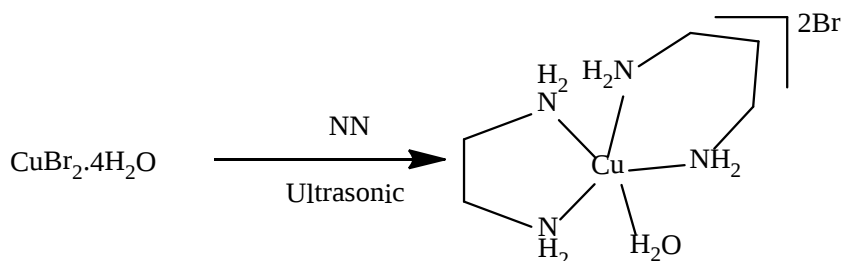
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Abstract

Mixed-diamine ligands copper(II) complexes, [Cu(NN)(NN)]Br₂ (1–2) have been synthesized. These complexes were characterized by spectroscopic and thermal techniques as seen in Scheme 1. Crystal structures for several type of such complexes showed a distorted trigonal–bipyramidal geometry around Cu(II) ion with one solvate water molecule [1]. Antimicrobial assays were conducted to evaluate the biological activities of these complexes.



The complexes showed higher antibacterial activity against several types of bacteria depending on their structures geometry.

References

[1] M. Al-Noaimi, M. I. Choudhar, F. F. Awwadi, W. H. Talib, T. Ben Hadda, S. Yousuf, A. Sawafta, I. Warad, Spectrochim. Acta, Part A, 127 (2014) 225–230