Mixed diamine \([\text{Cu(NN)(NN)}]\text{Br}_2\) complexes and their potential against several types of bacteria

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Abstract

Mixed-diamine ligands copper(II) complexes, \([\text{Cu(NN)(NN)}]\text{Br}_2\) (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