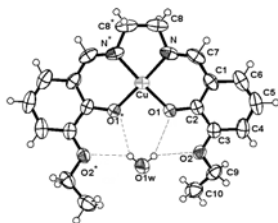


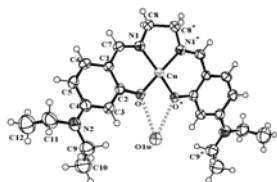
W0302

**Copper(II) Complexes with Schiff's Basis: Characterization and Crystallographic Structure.** Tozzo, E<sup>1</sup>, Santos, R. H. A.<sup>1</sup>, Gambardella, M.T.P.<sup>1</sup>, Santos, M. P.<sup>2</sup>, Romera, S.<sup>2</sup>, Dockal, E. R.<sup>2</sup>, <sup>1</sup>IQSC-USP Av. Trabalhador São-carlense, 400, São Carlos-SP, Brazil, <sup>2</sup>UFSCar, Univ.e Federal de São Carlos, Rod. Washington Luiz, Km235, São Carlos-SP, Brazil



**3MeoCuSalen**

**3EtoCuSalen**



**4DEACuSalen**

In this work we present the structural parameters of Copper(II) complexes with Schiff's. These compounds have been studied due to it's biological and industrial applications. Some of them have been successfully employed as antitumoral agents via angiogenesis. The study of this process is quite important and many compounds have been tested in human been, in order to find others therapy's ways. The compounds studied are 3EtoCuSalen, 3MeoCuSalen, 4DEACuSalen. The Copper atom has C<sub>2</sub> symmetry, attached to two nitrogen atoms e two oxygen atoms. In 3EtoCuSalen and 4DEACuSalen the water molecule presents hydrogen bonds with the oxygen atoms of the ligand, and in 3MeoCuSalen the H<sub>2</sub>O is the fifth atom in the Cu coordination sphere.

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