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Crystal Structure of the cis-bis[4-chloro-N-(pyrrolidine-1-carbothioyl)-benzamido] copper(II) Complex

Nevzat KÜLCÜ<sup>1</sup>, Ulrich FLÖRKE<sup>2</sup>, Hakan ARSLAN<sup>1</sup>

<sup>1</sup>Mersin University, Faculty of Arts and Sciences, Department of Chemistry, Mersin-TURKEY

e-mail: arslanh@mersin.edu.tr

<sup>2</sup>University of Paderborn, Department of Chemistry, Paderborn-GERMANY

 [Keywords](#)  
 [Authors](#)



[chem@tubitak.gov.tr](mailto:chem@tubitak.gov.tr)

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**Abstract:** The crystal and molecular structure of the cis-bis[4-chloro-N-(pyrrolidine-1-carbothioyl)-benzamido] copper(II) complex was determined by single-crystal X-ray diffraction. The title compound, C<sub>24</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub>Cl<sub>2</sub>Cu, crystalizes in the triclinic space group P-1, with Z = 4 and unit cell parameters a = 8.3877(5) Å, b = 12.7904(8) Å, c = 24.160(2) Å, α = 95.923(1) °, β = 96.001(1) °, and γ = 95.048(1) °. The copper atom is 4-fold coordinated by 2 S and 2 O atoms and shows a slightly distorted planar quadratic ligand arrangement.

**Key Words:** Thioureas, X-ray structures, Benzoylthiourea complexes, Cu(II) complex

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