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The Crystal and Molecular Structure of 1-(2-chloro-benzoyl)-3-p-tolyl-thiourea

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Abstract: 1-(2-Chloro-benzoyl)-3-p-tolyl-thiourea was synthesized and characterized by elemental analysis and IR spectroscopy. The crystal and molecular structure of the title compound was determined from single-crystal X-ray diffraction data. It crystalizes in the triclinic space group P-1, with a = 7.9942(9) Å, b = 9.531(1) Å, c = 11.075(1) Å, α = 97.235(2) °, β = 111.099(2) °, and γ = 106.105(2) °.

Key Words: Thioureas, X-ray structures, benzoylthiourea

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