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Luminescence Properties of a Novel Eu³⁺ Dinuclear Coordination Compound

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The paper presents experimental results on a novel Eu³⁺ dinuclear coordination compound [Eu(μ₂-OC₂H₅)(NO)₃(phen)]₂·phen with high emission quantum yield. The complex has been characterized by photoluminescence (PL) spectroscopy. The absolute PL quantum yield, and the sensitization efficiency were determined to be 49.2% and 78.7% respectively.