

**NICKEL(II) COMPLEX CONTAINING
5,5'-DIMETHYL-2,2'-BIPYRIDINE: CRYSTAL
STRUCTURE AND LUMINESCENT PROPERTIES**

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[Ni(5,5'-dmbipy)₂Cl₂] \cdot 3H₂O (**1**) complex was obtained from the reaction of NiCl₂ \cdot 6H₂O with 5,5'-dimethyl-2,2'-bipyridine (5,5'-dmbipy) in a mixture of CH₃OH/CH₃CN. This complex was characterized by elemental analysis, IR, UV-Vis and luminescence spectroscopy, and its structure was determined by the single-crystal diffraction method. The Ni atom has a distorted octahedral coordination by four N atoms from two 5,5'-dmbipy ligands and two Cl⁻ anions.

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