

# Crystal Structures of Heteronuclear Nickel(II)/Zinc(II) Doubly Oxygen Bridged Schiff-Base Complexes

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$\{[\mu\text{-Bis(5-chlorosalicylidene)-1,3-propanediaminato}]\text{nickel(II)}\}\text{dichlorozinc(II)} \cdot 2 \text{ dmf}$  (dmf = dimethylformamide) **1** and  $\{[\mu\text{-bis(5-bromosalicylidene)-1,3-propanediaminato}]\text{nickel(II)}\}\text{-dichlorozinc(II)} \cdot 2 \text{ dmf}$  (dmf) **2** were synthesized and their crystal structures determined. In both structures, the Ni(II) ions have a distorted octahedral geometry involving the N<sub>2</sub>O<sub>2</sub> atoms of the Schiff-base ligands and two oxygen atoms of dimethylformamide (dmf) molecules. The coordination around the Zn(II) ions is distorted tetrahedral. The Ni...Zn distances are 3.132(1) Å for **1** and 3.122(1) Å for **2**.

*Key words:* Hetero-Dinuclear Complex, Schiff-base, Octahedral Coordination, Tetrahedral Coordination