

## COMPLEX DERIVED FROM 2-HYDROXY-3-METHOXYBENZALDEHYDE SEMICARBAZONE AND 2,2'-BIPYRIDINE

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**Abstract.** Reaction of 2-hydroxy-3-methoxybenzaldehyde semicarbazone with  $\text{Ni}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ , in the presence of 2,2'-bipyridine, afforded a dinuclear complex (1). Crystal structure of **1** revealed the dinuclear complex, in which one nickel center is surrounded octahedrally by two monoanionic O,N,O-donor semicarbazone. The second nickel center also adopts an octahedral geometry created by two 2,2'-bipyridine ligands and the bridging phenolate oxygen of the monodeprotonated semicarbazones.

**Keywords:** semicarbazone, binuclear nickel(II) complex; crystal structure.