

Bis-(S-benzyl- β -N-(6-methylpyrid-2-yl)methylenedithiocarbazato) nickel(II).

ABSTRACT

The asymmetric unit of the title compound, [Ni(C₁₅H₁₄N₃S₂)₂], consists of two independent molecules with similar configurations. Each Ni²⁺ cation is coordinated in a cis-mode by two tridentate N,N',S-chelating Schiff base ligands, creating a distorted octa-hedron [the smallest angle being 77.57 (7)° and the widest being 168.97 (7)° for one molecule, and 78.04 (7) and 167.55 (7)° for the second molecule]. The dihedral angle between the mean coordination planes of the two ligands is 86.76 (7)° for one and 89.99 (7)° for the second molecule. π - π inter-actions between neighbouring pyridine rings with plane-to-plane distances of 3.540 (1) and 3.704 (1) Å are observed.

Keyword: Schiff base; Transition metal complexes.