

Crystal and Molecular Structure of Two Tetradentate “Oxime-and-Amide” Ligands

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Z. Naturforsch. **54 b**, 456–460 (1999); received November 25, 1998

Tetradentate Ligands, X-Ray Data

Syntheses and X-ray structure analyses of two new tetradentate ligands with “oxime-and-amide” donor systems (N,N'-bis(2-hydroiminopropionyl)-1,2-diaminoethane and N,N'-bis(2-hydroxyiminopropionyl)-1,4-diaminobutane) were performed. The overall conformation of both ligands is distinctly different from that reported earlier for N,N'-bis(2-hydroxyimino-propionyl)-1,2-diaminopropane. The number of methylene groups critically influences the ligand geometry and may have distinct impact on the co-ordinating ability of the ligands.

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