

**Metal Complexes of Biologically Important Ligands, CX [1].  
Orthopalladation of N-(Diphenylmethylene) Schiff Bases from  
Peptide Esters - C,N versus C,N,O Coordination - Crystal Structure  
of ClPd[C<sub>6</sub>H<sub>4</sub>(C<sub>6</sub>H<sub>5</sub>)C=N(Gly-L-Pro-L-Ala-OMe)-C,N,O] with *cis/trans*  
Peptide Bonds**

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*Dedicated to Professor Jochen Ellermann on the occasion of his 65<sup>th</sup> birthday*

Z. Naturforsch. **54 b**, 300–304 (1999); received October 10, 1998

N-(Diphenylmethylene) Peptide Esters, Orthopalladation, C,N,O Chelate,  
*cis/trans* Peptide Bonds

The reaction of the N-(diphenylmethylene) Schiff base from glycyl-L-prolyl-L-alanine methyl ester **1** with tetrachloropalladate in the presence of sodium acetate affords the orthopalladated bicyclic C,N,O chelate **2**. Complex **2** was characterized by X-ray diffraction. Remarkably, the unit cell contains two independent molecules, the *cis* isomer **2a** and the *trans* isomer **2b** (referring to the peptide bond). **2** reacts with PPh<sub>3</sub> by substitution of the carbonyl oxygen atom to give the C,N chelate **3**.

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