

Metallkomplexe mit biologisch wichtigen Liganden, XCVIII [1] Cyclopalladierte Schiff-Basen von α -Aminosäure- und Peptidestern

Metal Complexes of Biologically Important Ligands, XCVIII [1]

Cyclopalladated Schiff Bases of α -Amino Acid and Peptide Esters

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N-Diphenylmethylene α -Amino Acid Esters, Peptide Esters, Ortho Palladation

The reactions of Schiff bases from benzophenone and α -amino acid and peptide esters with tetrachloropalladate afford the chloro bridged ortho palladated complexes **1 - 8** and **11 - 18**. The chloro bridges are cleaved by P and N donors (PR_3 , pyridine, α -amino acid ester) to give the monomeric complexes **19 - 35**. From **1, 2, 3** and bidentate ligands (dppe, α -amino carboxylates, cysteine methyl ester) the bis(chelates) **36 - 41**, with N-diphenylmethylene glycylglycine ester the C,N,N chelates **46** and **47** are obtained.

The complexes **14, 23** and **47** were characterized by X-ray diffraction. Due to the two neighbouring five membered chelate rings in **47** a considerable distortion from the square planar coordination is observed.

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