Metallkomplexe mit biologisch wichtigen Liganden, CL [1]. 1,1-Dithiolato-Komplex von Palladium(II), Platin(II) und Gold(I) aus Diphenylmethylenglycinester sowie N,N-Dimethylglycinester und Schwefelkohlenstoff

Metal Complexes of Biologically Important Ligands, CL [1]. 1,1-Dithiolato Complexes of Palladium(II), Platinum(II) and Gold(I) from Diphenylmethylene Glycine Ester or N,N-Dimethyl Glycine Ester and Carbondisulfide

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Z. Naturforsch. **58b,** 311 – 317 (2003); eingegangen am 6. November 2002

Herrn Professor Hanns-Peter Boehm zum 75. Geburtstag gewidmet

The 1,1-dithiolates $Ph_2C{=}N{-}C(CO_2Et){=}CS_2^{2-}$ and $Me_2NC(CO_2Et){=}CS_2^{2-}$ from diphenylmethylene glycine ethylester or N,N-dimethylglycine ester and CS_2 react under basic conditions with chlorophosphine compounds of Pd(II), Pt(II) and gold(I) to give the complexes $Ph_2C{=}N{-}C(CO_2Et){=}CS_2ML_2$, $Me_2N{-}C(CO_2Et){=}CS_2ML_2$ (M = Pd, Pt; L = PPh_3, 2L = $Ph_2PCH_2CH_2PPh_2$) and $Ph_2C{=}N{-}C(CO_2Et){=}CS_2(AuPPh_3)_2$, and $Me_2N{-}C(CO_2Et){=}CS_2(AuPPh_3)_2$.

The structures of the palladium complex $Ph_2C{=}N{-}C(CO_2Et){=}CS_2Pd(PPh_3)_2$ and of diphenylmethylene-L-alanine ethylester were determined by X-ray diffraction. Besides this S,S-complex also the (less stable) S,O-isomer could be detected.

Key words: Diphenylmethylene Glycine Ethylester, N,N-Dimethylglycine Ester, Carbondisulfide, 1,1-Dithiolate, Palladium, Platinum, Gold