

Metallkomplexe von biologisch wichtigen Liganden, CVI [1].

Metallkomplexe von Donor-substituierten Oxazolin-5-onen sowie von Bis(oxazolin-5-onen)

Metal Complexes of Biologically Important Ligands CVI [1].

Metal Complexes of Donor Substituted Oxazolones and of Bis(oxazolones)

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A series of chelate complexes **1-12** of Cu(II), Ni(II), Pd(II), and Ru(III) with the anion of 2-(2'-hydroxyphenyl)-5(4H)-oxazolone and with 2-(2'-aminophenyl)-5(4H)-oxazolone were prepared from metal salts or from chloro-bridged complexes $[(R_3P)MCl_2]_2$ ($M = Pd, Pt$) and $[(p\text{-cymene})RuCl_2]_2$. Nucleophilic addition of α -amino acid esters to the bis-chelate complexes $M(\text{oxophenyloxazolone})_2$ ($M = Ni, Cu$) gave the dipeptide derivatives **13-18**. Dinuclear Pd(II) and Pt(II) chelate complexes **19-23** were obtained from phenylene- and ethylene-bridged bis(oxazolones). The structures of $(Et_3P)(Cl)Pd(O,N\text{-oxophenyloxazolone})$ (**6**) and of $Cl_2(Et_3P)Pt(2,2'\text{-phenylene-bis(4-methyloxazolone)Pt}(PEt_3)Cl_2$ (**20**) were determined by X-ray diffraction. In complex **20** a close proximity of two phenylene H atoms to the metal is observed.

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