

**Metallkomplexe mit biologisch wichtigen Liganden, CIX [1].
Metallorganische Verbindungen von Platin(II), Ruthenium(II), Rhodium(III)
und Iridium(III) mit Oxocarbonyl-N-geschützten α -Aminosäuren
und L-Methionylglycinat**

Metal Complexes with Biologically Important Ligands, CIX [1].

Organometallic Compounds of Platinum(II), Ruthenium(II), Rhodium(III), and Iridium(III)
with Oxocarbonyl-N-protected α -Amino Acids and L-Methionylglycinate

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Platinum, Ruthenium, Rhodium, Iridium Complexes, L-Methionylglycine

The reaction of *cis*-(Ph₃P)₂PtCl₂ with BOC-N-glycine and FMOC-N-alanine gives the carboxylate coordinated complexes *cis*-(Ph₃P)₂Pt(Cl)(O₂CCH₂NHBOC) (**1**) and *cis*-(Ph₃P)₂Pt(Cl)(O₂CC(H)(Me)NHFMOC) (**2**). Chloride and proton abstraction from **1** affords the N,O-chelate complex (Ph₃P)₂Pt(O₂CCH₂NBOC) (**3**). From the chloro-bridged compounds [Cp^{*}MCl₂]₂ (M = Rh, Ir), [(*p*-cymene)RuCl₂]₂ and BOC-N-L-MetGlyOH (L) the compounds Cp^{*}M(Cl)₂L (**4**, **5**) and (*p*-cymene)Ru(Cl)₂L (**6**) with the mono-dentate dipeptide are obtained which in the presence of NaOMe form O,N,S-bis(chelate) complexes **7** - **9**. The X-ray diffraction analysis of the iridium O,N,S chelate complex **8** shows a five membered and a seven membered chelate ring.

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