

organo-platinum compounds

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**Convenient Synthesis of  $\alpha$ -Chiral Platinum Alkyls.** — The dihalo-Pt(II) complexes (I) and (IV) react with ethyl diazoacetate (II) to give the racemic monoalkyl complexes (III) and (V) in high yields. The cyclooctadiene complex (IIIb) is a convenient starting material for the synthesis of other species of this type by cyclooctadiene substitution with e.g. (VI) giving (Va), (-)-diop or (+)-chiraphos. Addition of the diazoacetate (II) to the (-)-diop complex (VII) results in formation of the diastereomers (VIII) and (IX). The major isomer (VIII) is readily separated. The X-ray structure analysis of (VIII) reveals the R configuration at the  $\alpha$ -C atom. This diastereoselective insertion reaction is a simple, general, and efficient method for the synthesis of chiral Pt alkyls. — (BERGAMINI, P.; COSTA, E.; SOSTERO, S.; ORPEN, A. G.; PRINGLE, P. G.; *Organometallics* 10 (1991) 9, 2989-2990; *Dip. Chim., Univ. Ferrara*, 44100 Ferrara, Italy; EN)

