

Enantiomerically Pure Palladium and Platinum Heterocycles

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The cyclometallation of two cyclopropenes at Pd(0) is an excellent tool for the synthesis of palladiumorganic compounds.¹

The application of this reaction for the synthesis of enantiomerically pure organopalladium compounds² and even palladepanes will be discussed.³

Typical structures are shown below (Figure 1).

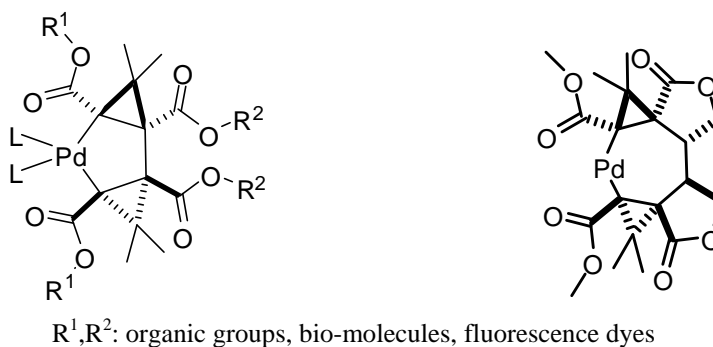


Figure 1. Enantiomerically pure palladatricycloheptanes and palladepanes.

Possible applications of these compounds in catalysis and bioorganometallic chemistry were investigated, too.

References

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