

**Metal Complexes of Biologically Important Ligands, CVII [1].
Formation of Tris(pentamethylcyclopentadienyl- μ -L-prolinate-iridium)
Tris(trifluoromethanesulfonate) with Chiral Self Recognition**

Karlheinz Sünkel, Winfried Hoffmüller, Wolfgang Beck*

Institut für Anorganische Chemie der Ludwig-Maximilians-Universität,
Meiserstr. 1, D-80333 München

Dedicated to Professor Warren Roper on the occasion of his 60th birthday

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Pentamethylcyclopentadienyl, Iridium, Prolinate

The structure of the title complex consists of $[\text{Ir}_3(\text{C}_5\text{Me}_5)_3(\text{L-prolinate})_3]^{3+}$ complex cations and CF_3SO_3^- anions. Each iridium atom is coordinated in a distorted tetrahedral manner by one cyclopentadienyl group, two carboxylate O atoms and the proline N atom. The iridium atoms are bridged by the carboxylate groups. Each of the three stereogenic iridium atoms has the same (S) configuration, *i. e.* the trimerization of the $[\text{Ir}(\text{C}_5\text{Me}_5)(\text{L-prolinate})]^+$ fragment occurs with chiral self recognition.

* Reprint requests to Prof. W. Beck; E-mail: wbe@anorg.chemie.uni-muenchen.de