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

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

Z. Naturforsch. 53 b, 1365–1368 (1998); received May 20, 1998

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 \(\text{CF}_3\text{SO}_3^-\) anions. Each iridium atom is coordinated in a distorted tetrahedral manner by
one cyclopentadienyl group, two carboxylate O atoms and the prolinate 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.

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