

organo-iron compounds

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The Syntheses and Structures of Iron Carbonyl Adducts of Tricoordinated Hypervalent Phosphorus Compounds.

— Reaction of the dioxazaphosphabicyclo(3.3.0)octatriene (I) with the iron complex (II) gives the monosubstituted adduct (III) which is also obtained from (IV) and disodium tetracarbonylferrate(II) (V). Irradiation of (III) produces the bidentate complex (VI), whereas irradiation of a mixture of (I) and (VI) gives the complex (VII). (Crystal data of (III) and (VI)). — (ARDUENGO, A. J. III; LATTMAN, M.; DIXON, D. A.; CALABRESE, J. C.; *Heteroat. Chem.* 2 (1991) 3, 395-407; Du Pont Central Res. Dev., Exper. Station, Wilmington, DE 19880-0328, USA; EN)

