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Phosphorus, Sulfur, and Silicon and the Related Elements

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713618290>

Chemistry of $\{\text{Fe}_2(\text{CO})_6\text{PR}\}$, an Aromatic Organometallic 2π Intermediate

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To cite this Article Evertz, K., Lang, H. and Huttner, G. (1987) 'Chemistry of $\{\text{Fe}_2(\text{CO})_6\text{PR}\}$, an Aromatic Organometallic 2π Intermediate', *Phosphorus, Sulfur, and Silicon and the Related Elements*, 30: 3, 670

To link to this Article: DOI: 10.1080/03086648708079164

URL: <http://dx.doi.org/10.1080/03086648708079164>

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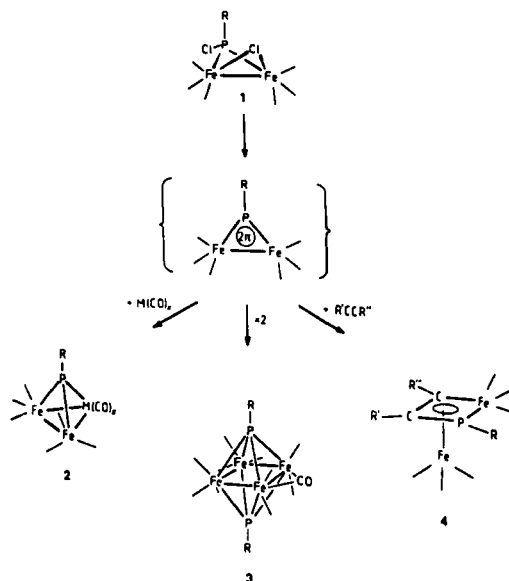
Chemistry of $\{\text{Fe}_2(\text{CO})_6\text{PR}\}$, an Aromatic Organometallic 2π Intermediate

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Compounds $\text{Fe}_2(\text{CO})_6(\mu_2\text{-Cl})(\mu_2\text{-PRCl})$, **1**, undergo reductive dehalogenation to yield what may be interpreted as an aromatic $\text{Fe}_2(\text{CO})_6\text{PR}$ 2π entity. The intermediate, though not isolated itself, may be trapped by various organic and organometallic scavengers, leading to compounds of type **2** to **4**.



Syntheses and properties of these species as well as other applications of **1** as a synthone in cluster chemistry will be reported.