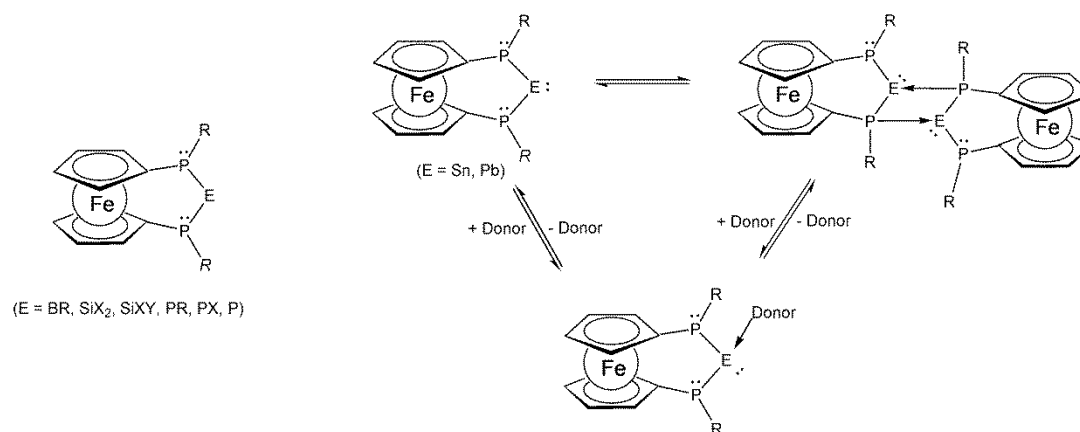


STEREOCHEMICALLY CONSTRAINED [3]FERROCENOPHANES WITH FUNCTIONAL PEP BRIDGE (E = GROUP 14 ELEMENT)

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[*n*]Ferrocenophanes with an *n*-atomic bridge connecting the two rings of a ferrocene unit are attractive synthetic targets owing to their potential in the synthesis of metal containing polymers.^[1, 2] Moreover, trans-annular interaction between the metal and the *ansa*-bridge may be feasible based on the unique electronic properties of the ferrocene moiety. We are aiming at [3]ferrocenophanes with functional bridges made of two terminal phosphorus atoms joining elements from groups 13, 14 or 15.^[3-5] This molecular scaffold can be used to prepare phosphanyl substituted tetrylenes and to generate main group element centered radicals either thermally or electrochemically. Since the phosphorus atoms behave as stereocenters, a special focus will be set on their stereochemical alignment with the aim to achieve stereocontrol in such compounds.



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