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Iron-Catalysed Asymmetric Carboazidation of Styrenes

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Iron-Catalyzed Asymmetric Carboazidation of Styrenes

Selected examples:

Proposed mechanism:

Significance: The authors report the use of a NON-pincer ligand for the asymmetric iron-catalyzed carboazidation reaction of styrenes. A variety of alkyl halides generating stabilized radicals were used.

Comment: A complex system involving synergistic effects of both van der Waals and π -interactions were found to be responsible for the stereocontrol of the reaction.

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