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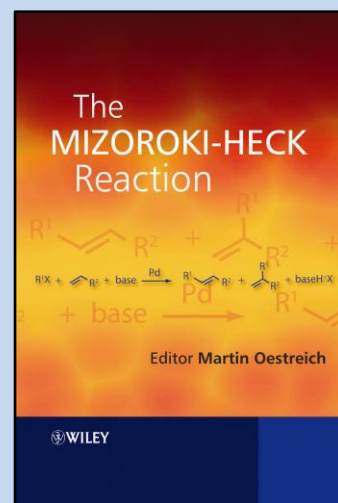
The Mizoroki-Heck Reaction

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The Mizoroki-Heck reaction is a palladium-catalyzed carbon-carbon bond forming process which is widely used in organic and organometallic synthesis. It has seen increasing use in the past decade as chemists look for strategies enabling the controlled construction of complex carbon skeletons. This is the first dedicated volume on this important reaction.

The Mizoroki-Heck Reaction provides a comprehensive summary of Heck chemistry, including: current mechanistic understanding; catalyst development and ligand design; inter- and intramolecular Heck reactions; and regio-, diastereo-, and enantioselective variants. Readers will discover details on how to create carbon-carbon bonds and complex carbon skeletons in a highly controlled way,

Several chapters are devoted to asymmetric Heck reactions with particular focus on the construction of otherwise difficult-to-obtain sterically congested tertiary and quaternary carbons. Industrial and academic applications are highlighted in the final section. *The Mizoroki-Heck Reaction* will find a place on the bookshelves of any organic or organometallic chemist.



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