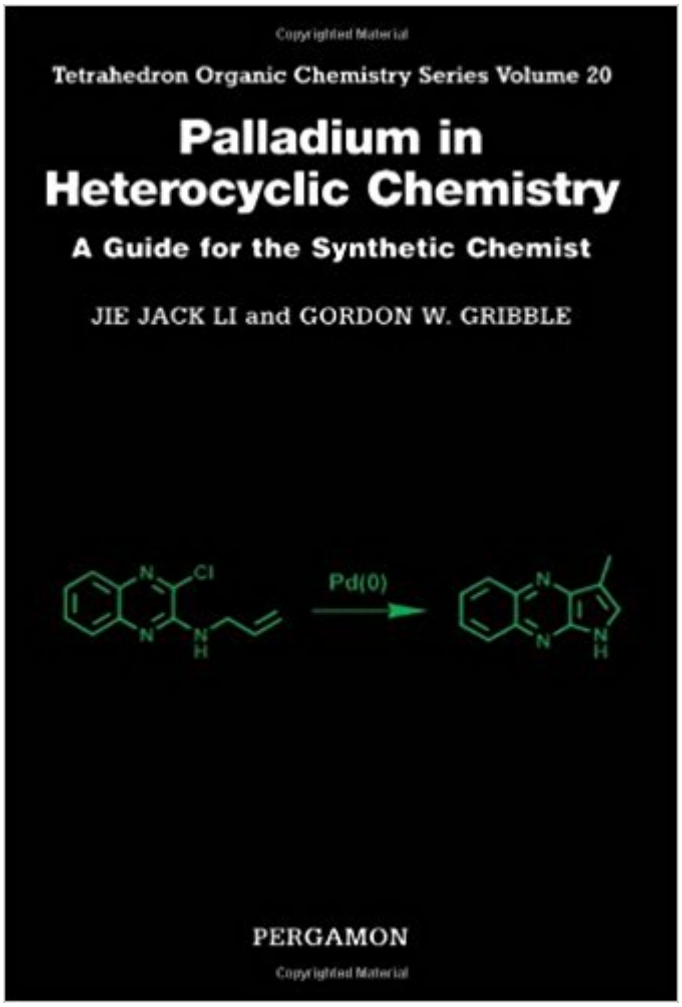
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Palladium In Heterocyclic Chemistry, Volume 20: A Guide For The Synthetic Chemist (Tetrahedron Organic Chemistry)



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Synopsis

After an inordinately long induction period, organopalladium chemistry has finally been embraced by synthetic organic chemists. Currently, it is being utilized across the spectrum of organic synthesis, from applications to complex natural product syntheses to the synthesis of polymers. A substantial portion of organopalladium methodology has been developed in the context of heterocyclic chemistry and applications to heterocyclic syntheses abound. In this new book, Jack Li and Gordon Gribble have compiled an array of referenced examples of the use of palladium in heterocyclic chemistry. The book is organized by class of heterocycle (pyrroles, indoles, pyridines, etc.) and each chapter contains the syntheses of heterocyclic precursors, as well as details of uses of palladium to both synthesize and functionalize these heterocyclic systems.

Book Information

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Customer Reviews

Gordon Gribble is the Dartmouth Professor of Chemistry at Dartmouth College, Hanover, USA. His research program covers several areas of organic chemistry, most of which involve synthesis, including novel indole chemistry, triterpenoid synthesis, DNA intercalation, and new synthetic methodology. Prof Gribble also has a deep interest in naturally occurring organohalogen compounds, and in the chemistry of wine and wine making. --This text refers to an out of print or unavailable edition of this title.

This is an excellent book for those who are wanting to learn a little about organometallic coupling reactions using palladium.It covers some classic reactions such as the Heck, shanogashira reactions. The book has an excellent introductory chapter on the mechanisms and the book follows a chapter by chapter discussion of the reactions and their uses with many of the common heterocycles, such as pyrolles, imidazoles, etc. An excellent book for anyone with a solid year of organic chemistry.

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