DESCRIPTION

Reflecting the tremendous growth of this hot topic in recent years, this book covers C-H activation with a focus on heterocycle synthesis.

As such, the text provides general mechanistic aspects and gives a comprehensive overview of catalytic reactions in the presence of palladium, rhodium, ruthenium, copper, iron, cobalt, and iridium. The chapters are organized according to the transition metal used and sub-divided by type of heterocycle formed to enable quick access to the synthetic route needed. Chapters on carbonylative synthesis of heterocycles and the application of C-H activation methodology to the synthesis of natural products are also included.

Written by an outstanding team of authors, this is a valuable reference for researchers in academia and industry working in the field of organic synthesis, catalysis, natural product synthesis, pharmaceutical chemistry, and crop protection.

ABOUT THE AUTHOR

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reactions, heterocycles synthesis, and the catalytic application of cheap metals. He has already authored 5 books, 15 chapters and 120 publications in international journals. He also was a fellow of the Max-Buchner-Forschungsstiftung.

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