

Book Review

Name Reactions in Heterocyclic Chemistry; Jie Jack Li (Editor). 558 pp.; Hardcover. ISBN: 0-471-30215-5; Wiley-Interscience, Hoboken, NJ.

Since the time of Lavoisier chemists have tried to systematically name chemical compounds and chemical reactions. Unfortunately, development of a chemical reaction nomenclature has not been very successful, resulting in many organic reactions having the name of the scientists who discovered them or the chemist who studied them. *Name Reactions in Heterocyclic Chemistry* covers important name reactions relevant to heterocyclic chemistry and describes the syntheses and reactions of heterocyclic compounds. The primary topics include three- and four-membered heterocycles, five-membered heterocycles including pyrroles and pyrrolidines, indoles, furans, thiophenes, oxazoles and isoxazoles, six-membered heterocycles including pyridines, quinolines, isoquinolines, and other heterocycles.

This book is created by a team of world-renowned contributors and represents a valuable resource for students and researchers. Though a relatively small text book, it covers selective material in a clear and straightforward manner delivered in easy to read style. The book is well-organized, concise, and laid out in a rational way. While it would be very helpful in

studying for advanced undergraduate and for graduate chemistry exams, or as a valuable quick reference for a particular named reaction, you do not need an advanced chemistry degree in order to understand it. Reactions can be found easily and the information is complete.

Each reaction is described by its detailed step-by-step, electron-pushing mechanism, variations and improvements on the reaction, and synthetic utilities of the reaction, complemented with the original and the historical perspective. The experimental details and references to the primary literature and the latest references are also provided. This means that it is not only an indispensable resource for senior undergraduate and graduate students for their study and exams, but also a good reference for all chemists interested in the chemistry of heterocyclic compounds and methods for their synthesis.

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