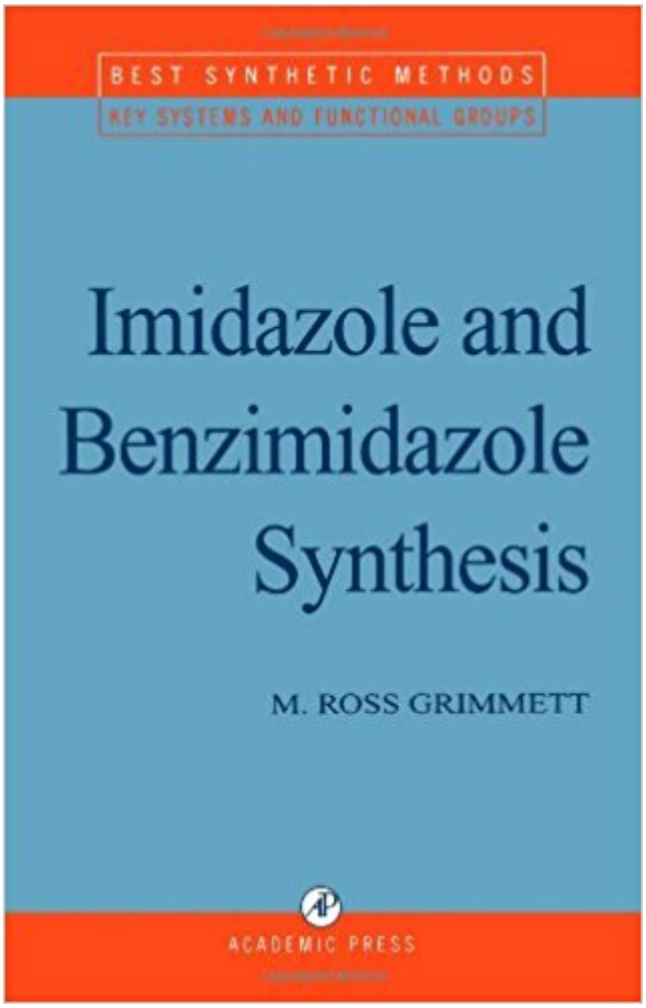
Imidazole And Benzimidazole Synthesis (Best Synthetic Methods)



Synopsis

Imidazole and Benzimidazole Synthesis is a comprehensive survey of the known methods of syntheses and ring modification. It brings together the multitude of synthesis of the imidazole ring in a systemic way interms of specific bond formation, and recommends the most attractive synthetic approaches. It also collects non-ring-synthetic approaches to classes of compounds such as nitro-, halogeno-, and amino-imidazoles, and covers the synthesis of N-substituted compounds and preparations of specific isomers.The only book in print dealing specifically with this topicComprehensive survey of the known methods of synthesis and ring modificationRecommends the most attractive synthetic approaches

Book Information

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Customer Reviews

Imidazoles and benzimidazoles are molecules of wide interest and importance, especially with regard to their pharmaceutical applications.This book surveys the known methods of synthesis and ring modification and presents recommendations for the most attractive synthetic approaches. It brings together the multitude of syntheses of the imidazole ring in a systematic way in terms of specific bond formation. The author also collects non-ring-synthetic approaches to classes of compounds such as nitro-halogeno-, amino-, and cyano-imidazoles and covers the syntheses of N-substituted compounds, and preparations of specific isomers.Full synthetic details are provided for selected compounds and tables of examples list percentage yields. An extensive list of references is included in each chapter and the index will direct readers to examples of specific

compound types throughout the book.There is vast and often bewildering array of synthetic methods and reagents available to organic chemists today. Many chemists have their own favoured methods, yet new and unfamiliar methods may well allow a particular synthetic step to be done more readily and in higher yield. best Synthetic Methods allows the practicing synthetic chemist to choose between all the alternatives, and assess their real advantages and limitations. Each volume deals concisely with a particular topic from a practical point of view, giving detailed examples and precise experimental directions and hints. With the emphasis on laboratory use, these volumes represent a comprehensive and practical guide to modern organic chemistry.

M. Ross Grimmett was born in Dunedin, New Zealand, and he was educated at Otago and Massay Universities in New Zealand. His major research interests have been agolo allagladions and studies of nucleophilic substitution.Alan Katritzky was educated at Oxford and has held faculty positions at Cambridge and East Anglia before he migrated in 1980 to the University of Florida, where he was Kenan Professor and Director for the Institute for Heterocyclic Compounds. During his career he has trained more than 1000 graduate students and post-docs, and lectured and consulted world-wide. He led the team, which produced Ã¢â ¬Å“Comprehensive Heterocyclic Chemistry” and its sequels, "CHEC-II" and "CHEC-III”, has edited Ã¢â ¬Å“Advances in Heterocyclic Chemistry, Vols. 1 through 111” and conceived the plan for Ã¢â ¬Å“Comprehensive Organic Functional Group Transformations”. He founded Arkat-USA, a non-profit organization which publishes Ã¢â ¬Å“Archive for Organic Chemistry” (ARKIVOC) an electronic journal completely free to authors and readers at (www.arkat-usa.org). Honors include 14 honorary doctorates from 11 countries and membership of foreign membership of the National Academies of Britain, Catalonia, India, Poland, Russia and Slovenia.

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