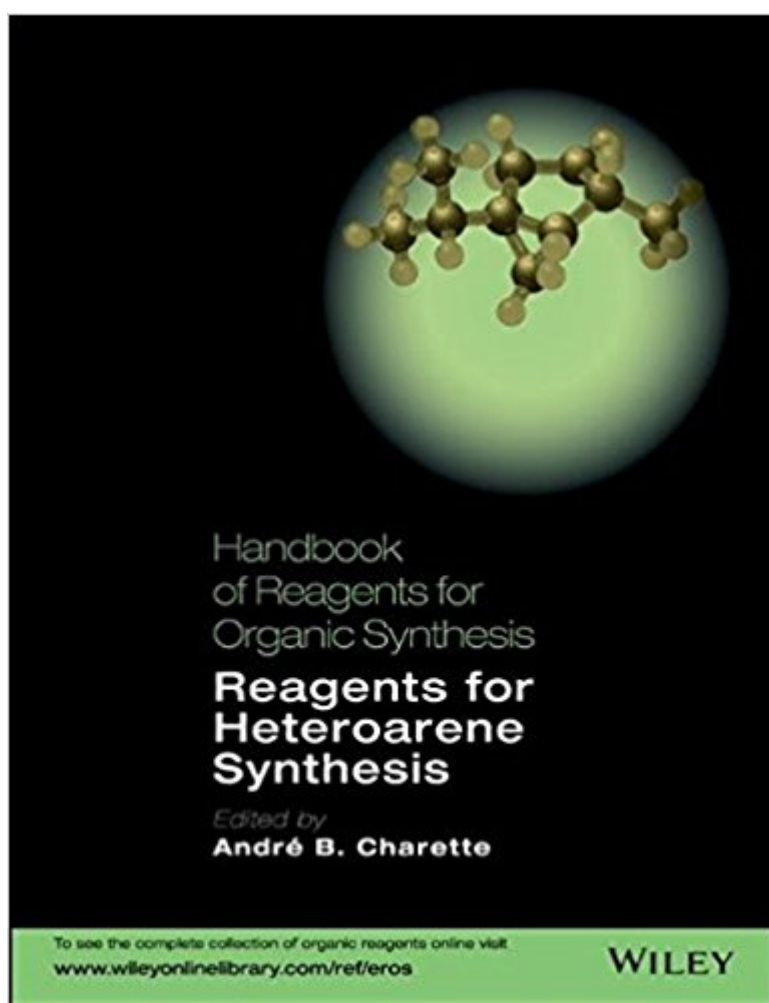




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# Handbook Of Reagents For Organic Synthesis: Reagents For Heteroarene Synthesis (Hdbk Of Reagents For Organic Synthesis)



## Synopsis

The Handbook is a compilation of 99 articles on diverse reagents and catalysts that describe the synthesis of heteroarenes, the building blocks of a wide range of chemicals used in pharma and chemical industries. Articles are selected from the *Reagents for Organic Chemistry* e-EROS database and edited to make sure that it includes only the material relevant to the topic of the book and focus on the synthetic aspects. This makes the articles very focused on the needs of readers wanting information on specific syntheses of specific heteroarenes. In addition, the chemistry of each parent heteroarene is also included to ensure that the reader rapidly finds important information. The Handbook is a part of the *Handbook of Reagents for Organic Chemistry* series, aiming at collecting articles on a particular theme that individual researchers in academia or industry can use on a daily basis.

## Book Information

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*Handbook of Reagents for Organic Synthesis* Reagents for Heteroarene Synthesis Heteroarenes are among the most prevalent structural units in natural products, pharmaceuticals, agrochemicals, and other compounds of scientific or commercial interest. With the advent of transition-metal catalysis, heteroarene synthesis has evolved to include catalytic, atom economical and more sustainable reaction conditions, providing access to both well-established and novel heteroarenes. Present methodologies allow not only for the production of known heteroarenes but also for the specific incorporation of heteroatoms at their desired positions within novel structural cores. By

describing 99 key reagents for heteroarene synthetic reactions, this handbook serves as a companion to the previous handbook, Reagents for Heteoarene Functionalization. Both handbooks are complementary and provide an extensive overview of the reagents currently available for heteroarene synthesis. All the information compiled in this volume is also available in electronic format on Wiley Online Library. The 99 reagents represented here are but a small fraction of the ca. 5,000 reagents available in the electronic Encyclopedia of Reagents for Organic Synthesis (e-EROS). e-EROS offers various search interfaces to locate reagents of interest, including chemical structure, substructure and reaction search modes. e-EROS is updated regularly with new and updated entries. To see the complete collection of organic reagents online visit:  
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