



# Heterocyclic Chemistry At A Glance

By John A. Joule, Keith Mills

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**Heterocyclic Chemistry At A Glance** By John A. Joule, Keith Mills

Heterocyclic chemistry is a central part of organic chemistry and biochemistry, dealing with a particular set of chemical structures; organic compounds with a ring structure containing at least one heteroatom (commonly nitrogen, oxygen or sulfur).

*Heterocyclic Chemistry at a Glance, Second Edition* provides both an introduction and summary of the main principles and reactions of heterocyclic chemistry, for students studying chemistry and related courses at undergraduate level.

This second edition has been much expanded, allowing for a more thorough treatment of key principles and the inclusion of extra examples and illustrations, including heterocycles used in electronics, explosives, polymers, dyestuffs, pigments and that occur in food. All chapters have been revised and updated, including references to books and reviews, and student exercises, with answers on line at <http://booksupport.wiley.com>. New to this edition is the use of colour in schemes and diagrams highlighting parts of products (or intermediates) where a change in structure or bonding has taken place.

Based on the highly successful and student-friendly “at a glance” approach, the material developed in this book has been chosen to help the student grasp the essence of heterocyclic chemistry, ensuring that they can confidently use that knowledge when required. The structure of the book allows for quick assimilation, understanding and recall of key concepts, facts and definitions, providing an invaluable aid to revision for students preparing for examinations.

## Reviews for the first edition:

“This book can be recommended to students looking for a textbook on heterocyclic chemistry. The organization of the material is oriented towards the needs of undergraduate students, but nevertheless the book is comprehensive and will also be of value for more advanced readers.” *Heterocycles*

“Joule and Mills have succeeded here in condensing the essence of introductory undergraduate heterocyclic chemistry into a slim volume, presented (as is the way in this series) in an A4 page format and in a very easy-to-grasp style with

many structures and reactions. All of the key areas are covered.” *Chemistry World*

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"The book delivers on its stated purpose to present the key concepts of heterocyclic chemistry to the nonspecialist and will likely find good application in the hands of molecular modelers, pharmacologists and undergraduates." Journal of Medicinal Chemistry, 2007, Vol.50, No.4, p6289

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