DESCRIPTION

An authoritative and comprehensive introduction to organophosphorus chemistry. The broad, exciting field of organophosphorus chemistry has grown tremendously over the last few decades, with a wealth of opportunities for research and applications development. A Guide to Organophosphorus Chemistry offers chemists in academia and industry complete, up-to-date coverage of the fundamentals with an eye on future developments in this area. Internationally recognized authority Louis D. Quin extends his experienced perspective and insight on the topic by:

* Surveying the most important phosphorus-containing functional groups

* Including representative methods of synthesis, plus references to detailed synthetic procedures

* Outlining advances in stereochemical aspects of phosphorus chemistry

* Covering areas of current research, such as unusual coordination states, heterocycles, applications of 31P-NMR, and other spectroscopic methods

* Providing numerous references to important review articles and recent literature

* Presenting electronic mechanisms and reactive intermediates where established

* Discussing the importance of phosphorus compounds in living systems and in agricultural applications
Liberally illustrated with equations and structural formulas, A Guide to Organophosphorus Chemistry presents a virtually unparalleled introduction to the subject matter, making it an indispensable instructional tool for aspiring chemists and practicing chemists alike.

ABOUT THE AUTHOR

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