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### Consultant Editor's Note

The subject of Organic Chemistry is in a rapidly changing state. At the one extreme it is becoming more and more closely involved with biology and living processes and at the other it is deriving a new impetus from the extending implications of modern theoretical developments. At the same time the study of the subject at the practical level is being subjected to the introduction of new techniques and advancements in instrumentation at an unprecedented level. One consequence of these changes is an enormous increase in the rate of accumulation of new knowledge. The need for authoritative documentation at regular intervals on a world-wide basis is therefore self-evident.

The ten volumes in Organic Chemistry in this First Series of biennial reviews in the MTP International Review of Science attempt to place on record the published achievements of the years 1970 and 1971 together with some earlier material found desirable to assist the initiation of the new venture. In order to do this on an international basis Volume Editors and Authors

have been drawn from many parts of the world.

There are many alternative ways in which the subject of Organic Chemistry can be subdivided into areas for more or less self-contained reviews. No single system can avoid some overlapping and many such systems can leave gaps unfilled. In the present series the subject matter in eight volumes is defined mainly on a structural basis on conventional lines. In addition, one volume has been specially devoted to methods of structure determination, which include developments in new techniques and instrumental methods. A further separate volume has been devoted to Free Radical Reactions, which is justified by the rapidly expanding interest in this field. If there prove to be any major omissions it is hoped that these can be remedied in the Second Series.

It is my pleasure to thank the Volume Editors who have made the publication of these volumes possible.

London D. H. Hey

### Indexer's Note

The main emphasis in this Index to the 10 volumes of Organic Chemistry, Series One is on the compounds and reactions discussed. It has not been possible, nor was it desirable, to index a compound or reaction at every mention in the text. Instead the essential features of compounds have been chosen, and individual compounds indexed specifically only where they are discussed at length.

The nomenclature used for index headings normally conform with those used in subject indexes to *Chemical Abstracts*, using the parent compound

approach, with inversion of substituents, e.g.:

#### Ethylene, 1,1-difluoro-

Where the parent compound remains unchanged from one heading to the next, this is indicated by a dash, e.g.:

#### —, 1,2-difluoro-

Guiding cross-references have been added from the more general headings to some of the more specific headings but not usually vice versa. Where synonyms have been recognised, cross-references have been added from the

less preferred term.

Nomenclature in the modifying text under most headings has not been so closely controlled, but should still enable specific information to be pin-pointed. Indentations have been used to avoid repeating the first word or concept (up to the first comma in the modifying phase). Three or four levels of indentation are used on occasion, e.g.:

# Adamantanone circular dichroism, 1,000 solvent effects, 5,000

The last entry refers to the solvent effects on the circular dichroism of

adamantanone.

In alphabetisation, the numerals and special characters (such as Greek letters or italic prefixes) have been ignored except for secondary ordering of entries otherwise identical. Insignificant words, such as prepositions in the modifying phrases have been ignored.

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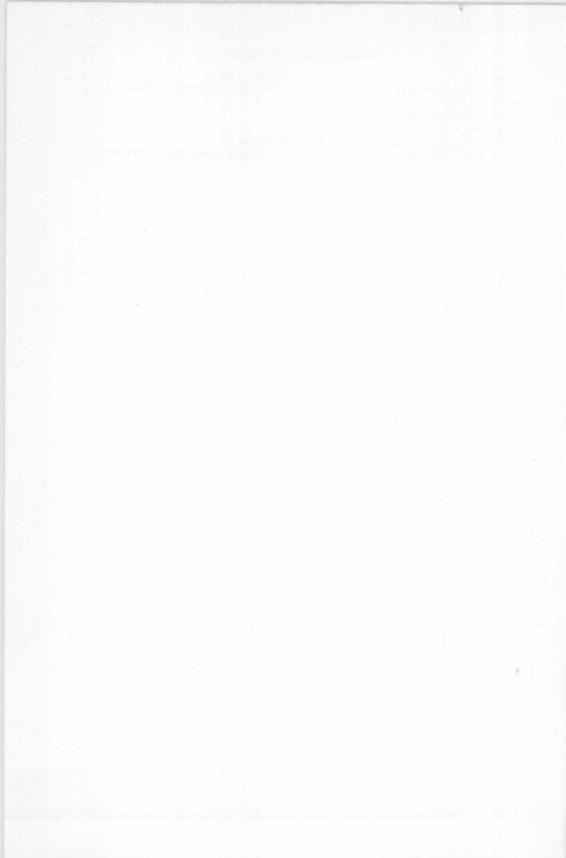
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