¹³C-NMR of Natural Products

Volume 2

Diterpenes

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Atta-ur-Rahman

and

Viqar Uddin Ahmad

H.E.J. Research Institute of Chemistry
University of Karachi
Karachi, Pakistan

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PREFACE

Natural product chemistry presents a vast and exciting area which has attracted the attention of some of the foremost organic chemists. With the development of modern spectroscopic techniques, the number of new natural products continues to grow exponentially thereby placing at the hands of phytochemists and pharmacologists a vast array of novel and interesting compounds with potential for drug development. The need for books which present spectral data of such compounds has accordingly grown.

The present volume, which is the second of this new series, covers the ^{13}C -NMR data of diterpenes reported till late 1989. The compounds are arranged according to their structural types in various subclasses. Within each subclass, they are arranged in order of increasing molecular weight. Compounds in the same subclass and having the same molecular weight are arranged in order to increasing carbon number while those having the same molecular formula are arranged alphabetically. In case the ^{13}C -chemical shifts were not assigned by the authors, then these are presented unassigned below the structures. If the chemical shifts have been reported in several solvents, then the values presented are those in CDCl_3 , but references have been included to their data in other solvents. We have avoided giving long chemical names of compounds and used trivial names but where trivial names were not given by the authors, then the compounds have been designated by alphabets (representing the first alphabets of the plant genus and species) followed by a number. The data given is for natural compounds and the data for simple derivatives has only been given where the data of the parent natural compounds was not available. The symbols *, **, ***, +, ++, +++, #, @, \$, \(\varphi\), &, have been employed to indicate interchangeability of assigned values.

The numbering systems used are given at the beginning of each subclass. Compound name, molecular formula, molecular weight, source and compounds-type indices have been included, which should add to the utility of the book.

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Atta-ur-Rahman
Ph.D. (Cantab.), Sc.D. (Cantab).
Viqar Uddin Ahmad
Ph.D. (Kar.), Dr.rer.nat. (Bonn)

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