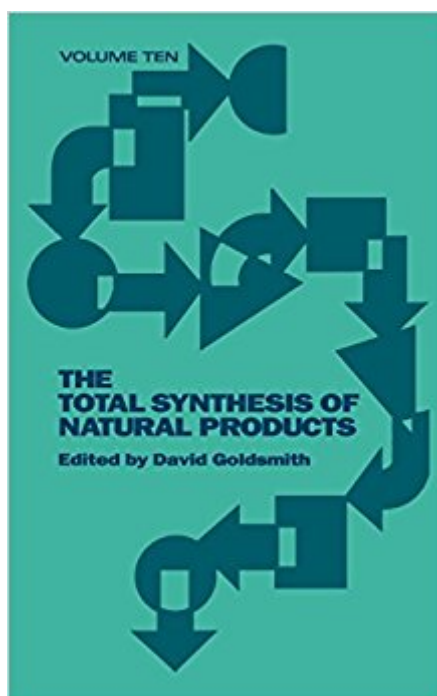


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The Total Synthesis Of Natural Products: Acyclic And Monocyclic Sesquiterpenes, Part A, Volume 10



Synopsis

The indispensable reference for the twenty-first century chemist...A fascinating and comprehensive look into one of chemistry's fastest growing specialties--sesquiterpene synthesis--Volume Ten of The Total Synthesis of Natural Products focuses on acyclic and monocyclic compounds and sheds light on the structure and makeup of this important class of hydrocarbons.A useful and practical tool for researchers interested in locating any of the major classes of sesquiterpene compounds, the author will also provide, if needed, a database to the more than 1,600 articles on sesquiterpene synthesis. The ultimate index to the newest experimental work in synthetic chemistry, this latest volume in The Total Synthesis of Natural Products series is also a glossary to the new language of chemistry in the next century.Look for the following related title in the series:THE TOTAL SYNTHESIS OF NATURAL PRODUCTS, Volume ElevenVolume Eleven continues the authoritative coverage on sesquiterpene synthesis begun in Volume Ten, examining compounds with bicyclic and tricyclic ring structures., 1997 (0-471-18874-3)The research on the synthesis of sesquiterpenes, derivatives of terpenes, a class of hydrocarbons commonly found in oils, resins, and balsams, has grown exponentially over the past fifteen years. With over 500 sesquiterpene syntheses already developed, the literature on this experimental specialty is voluminous, now encompassing over 1,600 re-search papers. Volume Ten in The Total Synthesis of Natural Products provides a systematic and comprehensive look at acyclic and monocyclic compounds in sesquiterpene synthesis.Reflecting one of the significant changes in sesquiterpene re-search, that is, the increase in compound targets prepared in an optically active form, the present volume includes their absolute configurations, signs of optical rotation, or both.This newest volume in The Total Synthesis of Natural Products series is an "A-to-Z" look at acyclic and monocyclic compounds in sesquiterpene synthesis, one of the most dynamic areas in the ongoing revolution in chemical synthesis, and is a must for the chemical professional.

Book Information

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Customer Reviews

"The authors have attempted throughout to highlight the significant steps and novelty, or otherwise, of each approach. It was a mammoth task and in this they have been successful" - J. R. Hanson, Nat. Prod. Rep., 1999, 16, 731-732. --This text refers to an alternate Hardcover edition.

This is the latest volume in a series on the reported total syntheses of various groups to natural products, with commentary on the strategy involved and with emphasis on any stereochemical control. Volume 10 studies the total synthesis of sesquiterpenes.

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