

# The Total Synthesis of Natural Products

VOLUME 7

Edited by

John ApSimon

*Ottawa—Carleton Chemistry Institute*

*and*

*Department of Chemistry  
Carleton University, Ottawa*

A WILEY-INTERSCIENCE PUBLICATION

JOHN WILEY & SONS

NEW YORK • CHICHESTER • BRISBANE • TORONTO • SINGAPORE



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***Library of Congress Cataloging in Publication Data:***

The Total synthesis of natural products.

“A Wiley-Interscience publication.”

Original imprint, v. 1: New York: Wiley-Interscience, 1973.

Includes bibliographical references and indexes.

1. Chemistry, Organic—Synthesis. I. ApSimon, John.

QD262.T655            1973            547'.2            72-4075

ISBN 0-471-03251-4 (v. 1)

ISBN 0-471-88076-0 (v. 7)

**ERRATA**  
**for**  
**THE TOTAL SYNTHESIS OF**  
**NATURAL PRODUCTS, VOLUME 7**

**Edited by John ApSimon**

The names of the authors of Chapter 1 should be as follows in both the contributor list and the table of contents:

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# Preface

It is always a great pleasure to introduce another volume in this series, signalling among other things the health of the art and science of organic synthesis.

This volume contains a chapter updating monoterpene synthesis and reviews the newer areas of leukotrienes and macrocyclic lactones. My grateful thanks are due to the authors of these contributions for their efforts in producing definitive work on their specialty areas.

Future volumes in this series are in the pipeline and I am always prepared to receive suggestions for areas to cover, and offers to help!!

JOHN APSIMON

*Ottawa, Canada  
January 1988*





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# The Total Synthesis of Macrocyclic Lactones

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## Introduction

1. Simple Monocyclic Macrolides
  - A. Recifeioltide
  - B. Diplodialides
  - C. Lasiodiplodin
  - D. Curvularin
  - E. Zearalenone
  - F. Brefeldin A
2. Antibiotic Macrolides
  - A. A26771B
  - B. Methymycin
  - C. Neomethynolide
  - D. 6-Deoxyerythronolide B
  - E. Narbonolide
  - F. Erythromycins
  - G. Leucomycin A<sub>3</sub> and Carbomycin B
  - H. Protomycinolide IV
  - I. Tylosin