

1. Record Nr.	UNINA9910144310403321
Autore	Pirrung Michael C
Titolo	The total synthesis of natural products . Volume 10 A sesquidecade of sesquiterpenes: total synthesis, 1980-1994 . Part A Acyclic and monocyclic sesquiterpenes [[electronic resource] /] / Michael C. Pirrung and Andrew T. Morehead, Jr.; edited by David Goldsmith
Pubbl/distr/stampa	New York, : Wiley, 1997
ISBN	1-282-30584-0 9786612305849 0-470-12973-5 0-470-12962-X
Descrizione fisica	1 online resource (194 p.)
Collana	The total synthesis of natural products ; ; 10
Altri autori (Persone)	MoreheadAndrew T GoldsmithDavid
Disciplina	547 /.2 547.70459
Soggetti	Terpenes Sesquiterpenes Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	THE TOTAL SYNTHESIS OF NATURAL PRODUCTS; CONTENTS; Acknowledgments; Introduction; Reagent Glossary; I . ACYCLIC SESQUITERPENES; A. Farnesene, Farnesol, Terrestrol; B. Nerolidol, 5,8-Dehydro-4-oxonerolidol; C. Sesquilavandulol; D. Solanone; E. Sinensals; F Juvenile Hormones; G. 2,5,9-Trimethyl-2-vinyl-deca-4,8-dienal, (E)-6,10-Dimethyl-9-methylene-undec-5-en-2-one; H. Dendrolasin, Sesquirosefuran, Freelingnite, Dehydrolasiosperman, Dehydromyopyrone, (R)-Myopyrone, Pleraplysillin-2, Siphonidictidine; I. Ipomeamarone, Davanone, Artemone, Athanasin; References; II. MONOCYCLIC SESQUITERPENES A. Aromatic Bisabolenes1. a-Curcumene, iso-a-Curcumene, ar-Turmerone; 2. Nuciferol, Nuciferal; 3. Curcuquinone, Curcuphenols, Curcudiol, Perezones, Xanthorrhizol; 4. ar-Todomatuic Acid, ar-Juvabione, Elvirol, Sydonic Acid; 5. Hellianuol A, Furoixiolal; B.

Bisabolenes; 1.  $\alpha$ -Bisabolene, B-Bisabolene,  $\gamma$ -Bisabolenes; 2. Epoxy- $\alpha$ -bisabolene, Bisabol-10-ene-3,7-oxide,  $\gamma$ -Bisabolene-8,9-oxide, 4,5-Dihydro-B-curcumen-4,5-diol; 3.  $\alpha$ -Bisabolol, B-Bisabolol,  $\alpha$ -Atlantone, B-Atlantone; 4. Aminobisabolene, Theonellin Isocyanide, 8-Desoxyisocaespitol

5. Zingiberenol, B-Sesquiphellandrene, Bilobanone, Bisabolangelone, Lanceol6. Hernandulcin; 7. Juvabiols, Juvabione; 8. Paniculides; 9. Phyllanthocin, Phyllanthocindiol, Phyllanthoside; C. Elemenes; 1. B-Elemene,  $\gamma$ -Elemene,  $\alpha$ -Elemene, B-Elemol, B-Elemenone; 2. Shyobunone, Curzurenones; 3. Melitensin, Deoxymelitensin, Temisin, Saussurea Lactone; 4. Zempoalins, Callitrin, Igalan, Isogermafurenolide, Isofuranogermacrene, Hydroxyisogermafurenolide, Desoxysericealactone, and Unnamed 8,12-Elemanolides; 5. Vernolepin; D. Peroxidic Antimalarials; 1. Qinghaosu (Artemisinin), Yingzhaosu A, Yingzhaosu C

E. Cyclocitral1. Deoxytrisporone, (E)-3-Formyl-(2,6,6-trimethyl-2-cyclohexenyl)-3-pentenal, 4-(2,2,6-trimethyl-6-vinylcyclohexyl)-2-butanone; 2. Caparappi Oxide, Dactyloxene-B and -C, Ancistrofuran, Ricciocarpin; 3. Pallescensin 1, Penlanpallescensin; 4. Snyderols, Aplystatin, Palisadins; F. Secoeudesmanes; 1. Phytuberin; 2. Eriolanin, Eriolangin; 3. Tridensone, Umbellifolide; G. Germacranes; 1. Germacrene-D, Bicyclogermacrene, Isobicyclogermacrenal; 2. Hedycaryol, Acoragermacrone, Germacrone

3. Costunolide, Dihydrocostunolide, Haageanolide, Isabelin, Eucannabinolide, 4,5-cis-3b-Hydroxygermacranolide, Aristolactone4. Linderalactone, Neolinderalactone, Sericenine; 5. Periplanones; H. Miscellaneous Monocarbocyclic Sesquiterpenes; 1. Humulene, Zerumbone, Bicyclohumulenone; 2. Furoentalene, Pleraplysillin-1; 3. Myodesmone, Myomontanone, Lactaral; 4. Hanegokedial, Heptelidic Acid, Ovalicin; 5. Curcumanolide A, Isocanambrin; 6. Methyl Acorate, Secocrispiolide; 7. Himasecolone, Methyl Nidorellaurinate, Sesquichamaenol, 3-Methyl-5-(2,3,6-trimethylphenyl)-1-penten-3-ol

8. Karatavic Acid, Cabreuva Oxides, Isohumbertiols, Chokol C

## Sommario/riassunto

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