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**Organic Chemistry
Series One**

**Consultant Editor
D H Hey FRS**

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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 pinpointed. 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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Contents

Indexer's Note	ix
Index of Contributors	1
Subject Index	7

Index of Contributors

Italic figures indicate volume numbers

- Agranat, I.
Theoretical aromatic chemistry, 3, 139–178
- Alan Jones, R.
Nitrogen heterocyclic molecules, part I. Pyrroles, indoles, isoindoles, indolizines and cyclazines, 4, 29–54
- Armarego, W. L. F.
Nitrogen heterocyclic molecules, part 4. Benzazines (quinolines, quinolizinium compounds, cinnolines, quinazolines, quinoxalines, phthalazines, benzotriazines), 4, 137–166
- Aspinall, G. O.
Carbohydrates, 7, (Editor)
Polysaccharide methodology and plant polysaccharides, 7, 285–317
- Ayer, W. A.
The lycopodium alkaloids including synthesis and biosynthesis, 9, 1–25
- Baird, M. S.
Aspects of the chemistry of seven- to eleven-membered rings, 5, 205–238
- Barrett, G. C.
Spectroscopic, solution and theoretical studies relating to conformations of peptides, 6, 77–107
- Beckwith, A. L. J.
Structure, reactivity and rearrangement, 10, 1–47
- Bell, E. A.
Amino-acids of natural origin, 6, 1–16
- Bernasconi, C. F.
Mechanisms and reactivity in aromatic nucleophilic substitution reactions, 3, 33–63
- Bishop, R.
Alicyclic photochemistry, 5, 87–126
- Blackburn, G. M.
From meso- to macro-structure: nucleic acids, 1, 249–282
- Bochkov, A. F.
Oligosaccharides: Synthesis and determination of structure, 7, 147–190
- Brettle, R.
Carbonyl compounds, 2, 289–315
- Brooke, G. M.,
Halogeno compounds, 2, 65–89
- Brown, J. M.
Thermolysis of alicyclic compounds, 5, 159–204
- Brown, N. M. D.
Structure of alicyclic compounds, 5, 1–44
- Bryce-Smith, D.
Photochemical reactions of aromatic compounds, 3, 105–137
- Buchanan, J. G.
Displacement, elimination and rearrangement reactions, 7, 31–70
- Cameron, A. F.
X-ray crystallography, 1, 159–180

- Carruthers, W.
Aromatic sulphur heterocycles, 4, 239–262
- Chapman, N. B.
Aliphatic compounds, 2, (Editor)
- Chizhov, O. S.
Oligosaccharides: Synthesis and determination of structure, 7, 147–190
- Cohen, N.
Total synthesis of steroids, 8, 1–26
- Cooper, R. D. G.
Penicillins and cephalosporins, 6, 247–275
- Cowley, D. J.
Structure of alicyclic compounds, 5, 1–44
- Crabb, T. A.
Saturated and partially saturated systems with bridge-head nitrogen atoms and saturated five- and six-membered ring heterocyclic compounds, 4, 291–317
- Davies, D. I.
Addition reactions, 10, 49–70
- Emes, P. J.
Radical-ions, 10, 293–319
- Engler, E. M.
Adamantane and its relatives, 5, 239–317
- Evans, J. C.
Radical-ions, 10, 293–319
- Forrester, A. R.
Free radicals of nitrogen, 10, 139–166
- Fukumoto, K.
Benzylisoquinoline and homobenzylisoquinoline alkaloids, 9, 181–234
- Gilbert, A.
Photochemical reactions of aromatic compounds, 3, 105–137
Glycosyl esters of sugar nucleotides and sugar interconversion, 7, 191–211
- Golding, B. T.
Conformational analysis of alicyclic compounds, 5, 45–85
- Gotz, M.
Tuberostemonine and related compounds: The chemistry of the *Stemona* alkaloids, 9, 143–160
- Grimmett, M. R.
Nitrogen heterocyclic molecules, part 2. Azoles and benzazoles, 4, 55–88
- Habermehl, G. G.
Steroid alkaloids, 9, 235–272
- Hardy, P. M.
The structural elucidation of peptides, 6, 43–76
- Haslam, E.
Natural products—structure determination, 1, 215–247
- Hawkins, E. G. E.
Reactions of peroxides, 10, 95–138
- Hewgill, F. R.
Aryloxy and related free radicals, 10, 167–204
- Hey, D. H.
Amino acids, peptides, and related compounds, 6, (Editor)
- Hogg, D. R.
Sulphur compounds, 2, 259–288
- Huisman, H. O.
Total synthesis of heterocyclic steroidal systems, 8, 235–267
- Israel, A.
Theoretical aromatic chemistry, 3, 139–178
- Jackson, R. A.
Free radicals of elements other than C, N, O or S, 10, 205–236
- James, H. A.
Depsipeptides, 6, 213–245
- Jeffs, P. W.
The *Amaryllidaceae* alkaloids, 9, 273–318
- John, D. I.
Amino acids, peptides, and related compounds, 6, (Editor)
- Johns, W. F.
Steroids, 8, (Editor)
- Jones, D. N.
Chiroptical properties, 1, 85–121
- Jones, R. A.
Nitrogen heterocyclic molecules, part I. Pyrroles, indoles, isoindoles, indolizines, and cyclazines, 4, 29–54

- Kamano, Y.
Cardenolides and bufadienolides, 8,
151-177
- Kametani, T.
Benzylisoquinoline and homobenzyl-
isoquinoline alkaloids, 9, 181-234
- Keene, B. R. T.
Nitrogen heterocyclic molecules, part
3. The monocyclic azines, 4, 89-135
- Kochetkov, N. K.
Oligosaccharides: Synthesis and de-
termination of structure, 7, 147-190
- Kutney, J. P.
The total synthesis of indole alkaloids,
9, 27-104
- Laurent, H.
Pregnanes and corticoids, 8, 107-150
- Lefebvre, Y.
Estranes and gonanes, 8, 61-84
- Lindberg, B.
Microbial polysaccharides, 7, 319-344
- Littler, J. S.
Homolytic oxidations and reduction
of organic compounds by metallic
ions, 10, 237-262
- Lloyd, D.
Microcyclic compounds, 3, 179-200
Quasi-aromatic compounds: exam-
ples of Meneidic or regenerative
systems, 3, 271-278
- Marshall, D. J.
Estranes and gonanes, 8, 61-84
- Marshall, D. R.
Small (3- and 4-membered) and
medium (especially 7-membered)
rings, 4, 1-27
- McKenna, J.
Structure of reaction intermediates,
1, 181-213
- McLean, S.
Spirobenzylisoquinoline alkaloids, 9,
161-180
- Montgomery, R.
Glycoproteins (including the proteo-
glycans), 7, 213-249
- Mori, H.
Metamorphosis hormones and ster-
oidal antibiotics, 8, 179-200
- Nace, H. R.
Nor, homo and abeo steroids, 8,
269-286
- Nagate, W.
General synthetic transformations, 8,
27-59
- Neville Jones, D.
Chiroptical properties, 1, 85-121
- Nozoe, T.
Troponoids, heptafulvenes and azu-
lenes, 3, 201-235
- Ode, R. H.
Cardenolides and bufadienolides, 8,
151-177
- Ollis, W. D.
Structure determination in organic
chemistry, 1, (Editor)
- Ong, S. H.
Homolytic aliphatic substitution, 10,
71-94
- Page, S. W.
The structure and synthesis of C₁₉-
diterpene alkaloids, 9, 319-346
- Paquette, L. A.
Metal catalysed reactions in strained
ring systems, 5, 127-158
- Parker, W.
Alicyclic compounds, 5, (Editor)
- Pelc, B.
Androstanes, 8, 85-106
- Pelletier, S. W.
The structure and synthesis of C₁₉-
diterpene alkaloids, 9, 319-346
- Pelter, A.
Oxygen heterocyclic molecules, 4,
203-237
- Pettit, G. R.
Cardenolides and bufadienolides, 8,
151-177
- Polgar, N.
Carboxylic acids, 2, 317-356
- Quin, L. D.
Phosphorus compounds, 2, 217-258
- Ramage, R.
Biosynthetic studies and structure
elucidation, 1, 283-306

- Rees, D. A.
Polysaccharide conformation, 7,
251-283
- Richardson, A. C.
Amino and nitro sugars, 7, 105-145
- Saucy, G.
Total synthesis of steroids, 8, 1-26
- Schleyer, P. V. R.
Adamantane and its relatives, 5,
239-317
- Schofield, K.
Heterocyclic compounds, 4, (Editor)
- Scott, A. I.
Biosynthesis of indole alkaloids, 9,
105-141
- Scrowston, R. M.
Heterocyclic compounds containing
both nitrogen and oxygen, and
nitrogen and sulphur, 4, 263-289
- Shepherd, J. M.
Nitrogen compounds, 2, 131-215
- Shine, H. J.
Aromatic rearrangements, 3, 65-103
- Siegel, E.
Organic dyes and optical brightening
agents, 3, 279-313
- Skrabal, P.
Annulenes and related compounds,
3, 237-269
- Smith, K. M.
Macromolecules derived from pyr-
roles, 4, 319-350
- Smyth, D. G.
Biological activity of structural var-
iants of insulin, 6, 109-133
- Stammer, C. H.
Procedures for peptide synthesis, 6,
135-160
- Stephen, A. M.
Polysaccharide methodology and
plant polysaccharides, 7, 285-317
- Stoddart, J. F.
Stereochemistry, 1, 1-28
- Molecular structure and conforma-
tions of carbohydrates, 7, 1-30
- Strunz, G. M.
Tuberostemonine and related com-
pounds: The chemistry of the
Stemona alkaloids, 9, 143-160
- Sutherland, I. O.
Nuclear magnetic resonance spectro-
scopy, 1, 123-158
- Svensson, S.
Microbial polysaccharides, 7, 319-344
- Swallow, A. J.
Organic free radicals produced by
radiation, 10, 263-291
- Sykes, P. J.
Cholestane derivatives and sapo-
genins, 8, 201-234
- Szarek, W. A.
General carbohydrate synthesis, 7,
71-104
- Taylor, R.
Electrophilic reactions, 3, 1-32
- Tetsuo, N.
Troponoids, heptafulvenes and azu-
lenes, 3, 201-235
- Thomson, A.
Synthesis, structural properties and
reactions of amino acids, 6, 17-42
- Timmons, C. J.
Ultraviolet and visible spectroscopy,
1, 63-83
- Toyne, K. J.
Boron compounds, 2, 357-373
- Uyeo, S.
General synthetic transformations, 8,
27-59
- Vorozhtsov, N. N., Jr.
Aromatic intermediates, 3, 315-336
- Wade, R.
New syntheses of naturally occurring
peptides and analogues, 6, 161-211
- Waters, W. A.
Free radical reactions, 10, (Editor)
- Webster, D. E.
Hydrocarbons, 2, 1-64
- Whelan, J.
Spirobenzylisoquinoline alkaloids, 9,
161-180
- Wibberley, D. G.
Nitrogen heterocyclic molecules, part
5. Naphthyridines and polyaza-
heteroaromatic compounds, 4,
167-201
- Wiechart, R.
Pregnanes and corticoids, 8, 107-150

Wiesner, K.

Alkaloids, 9, (Editor)

Wilder, P., Jr.

Nitrogen compounds, 2, 131-215

Wilkinson, S. G.

Alcohols, ethers and related compounds, 2, 91-129

Wilson, J. M.

Mass spectrometry, 1, 29-62

Zollinger, H.

Aromatic compounds, 3, (Editor)

Subject Index

Italic figures indicate volume numbers

A

- Abieslactone
 chiroptical properties, *1*, 107
- Abietic acid
 synthesis, 2, 136
- Absorption spectroscopy (*see also* Infra-
 red spectroscopy; Raman spectro-
 scopy; Ultraviolet spectroscopy), *1*,
 63–83
 configuration and conformation de-
 termination by, *1*, 78–80
 constitution determination by, *1*,
 69–78
 experimental methods, *1*, 68
 literature data, *1*, 65
 theory, *1*, 65–67
- Acacia
 gums, structure, 7, 303, 304
- Ancansterol
 isolation, 8, 206
- Aceheptylenes, 3, 227
- Acenaphthene
 detritiation, partial rate factors, 3, 7
- Acenaphthenequinone
 radical-anion, disproportionation, *10*,
 303, 304
- Acenaphthenesemiquinone
 barium complex, *10*, 309
 radical-anion preparation, *10*, 298
- Acenaphthylene
 reaction with peroxybenzoic acid, *10*,
 109
- Acepleiadiene
 n.m.r., *1*, 137
- Acepleiadylene, 3, 224–226
- Acepleiadylene *continued*
 n.m.r., *1*, 137
- Acetals
 carbohydrate participation in ring
 contractions, 7, 42–45
 cyanoketene, synthesis, 2, 141
 cyclic, radicals, fission, *10*, 31
 organophosphorus, 2, 222
 oxidation, 2, 299, 300
- Acetaldehyde
 mixture with methane, chemical ion-
 isation mass spectrometry, *1*, 46
- Acetanilide
 chlorination with TiCl₄, 3, 325
 sulphonation, 3, 317
- , *N*-chloro-
 rearrangement, 3, 89
- , *N*-methyl-
 chlorination with TiCl₄, 3, 325
- , 4-(*p*-toluenesulphonamido)-
 nitration, 3, 21
- Acetic acid
 phenyl ester, preparation from ben-
 zene, 3, 332
- , dichloro-
 methyl ester, radical from, *10*, 51
- , nitro-
 ethyl ester, cyclisation of dialdehydes
 with, 7, 140, 141
- , phenoxy-
 chlorination, 3, 24
- , phenyl-
 α -substituted, chiroptical properties,
 1, 116

Acetolysis

- of alicyclic compounds, 5, 223
- of polysaccharides, 7, 291, 292

Acetone

- di-*t*-butylnitroxide in ^{13}C n.m.r., 1, 131
- mixture with methane, chemical ionisation mass spectrometry, 1, 46
- palladium complex, catalysis of benzene nitration by, 3, 319

Acetonitrile

- reaction, with atomic hydrogen, 10, 88, 90

Acetonyl radical

- e.s.r., 10, 14

Acetophenone, 3'-nitro-

- hydrogenation, 3, 327

p-Acetotoluidide

- chlorination with TiCl_4 , 3, 325

Acetoxy group

- anomeric effect, 7, 16

Acetoxylation

- mechanism, 3, 22

Acetoxy radicals

- from lead tetra-acetate, 10, 5

Acetylation

- enol, of androstanones, 8, 99
- of furans, 4, 205
- of insulin, 6, 112–115, 117
- mechanism, 3, 13
- of naphthalene, 3, 13
- of phenanthrene, 3, 13
- of polycyclic thiophenes, 4, 253
- of quinolines, 4, 142

Acetylenes

- absorption spectroscopy, 1, 75
- alkylboration of, 2, 366
- cyclic, 5, 215–218
- 1,2-cycloaddition to benzene, 3, 113
- electronic structure, 2, 7, 8
- electrophilic addition to, 2, 70, 71
- formation from methane in plasma jet, 2, 15
- free radical addition to, 2, 71; 10, 56, 57
- geometries of S^1 states of, 1, 195
- 1-halogeno, preparation, 2, 72, 73
- reactions, 2, 83–85
- hydroboration, 2, 360
- nucleophilic addition to, 2, 71
- phosphoric acid derivatives, 2, 233–235
- preparation, 2, 52
- radical-anions, reactions, 10, 306

Acetylenes *continued*

- reactions, 2, 52–56
- with amines, 2, 202
- with isocyanides, 2, 154
- with nitrile imines, 2, 142
- with nitrile oxides, 2, 142
- photo-addition, 5, 110
- to benzene, 3, 110–114
- silver compound, reaction with ethylene, 2, 26
- silyl radical addition to, 10, 217
- vinyl cations in electrophilic additions, 1, 200
- , cyano- —see Propiolonitrile
- , diphenyl-
 - photo-addition to phenanthrene, 3, 116
 - photocyclisation, 3, 126
- , phenyl- —see Benzene, ethynyl-
- Acetylenedicarboxylic acid
 - dimethyl ester, reaction with benzene, 3, 112
 - reaction with hydrazines, 2, 182
- Acetylenic acids, 2, 325–327
- Acetyl nitrate
 - nitration of toluene by, 3, 19
- Acetyl radical
 - e.s.r., 10, 16
- α -Acid glycoprotein
 - human, 7, 227
 - carbohydrate group in, 7, 216
- Acidity
 - of alcohols, 1, 34; 2, 96, 97
 - of alicyclic compounds, structure and, 5, 36
 - of amino acids, 6, 35
 - of hydroperoxides, 2, 116
- Acids (*see also* Individual acids, such as Acetic acid; Benzoic acid; Carboxylic acids)
 - carbonium ions in, 1, 197–200
 - hydroxy, oxidation by cerium(IV), 10, 242, 243
 - inorganic, in oxidation of steroids, 8, 32
 - ketone preparation from, 2, 294
 - reaction with sulfoxides, 2, 274, 275
 - thio-, oxidation by cerium(IV), 10, 244
 - unsaturated, oxidation by manganese(III), 10, 246
 - preparation, 10, 56
 - reduction by vanadium(II), 10, 254, 255

- Aconine**
 from Jesaconitine, 9, 329
 mass spectroscopy, 9, 339
- Aconitine**
 alkaloids, 9, 326–340
 structure and synthesis, 9, 320–344
 mass spectroscopy, 9, 339
 structure, 9, 326, 327
 —, deoxy-
 structure, 9, 327
- Aconitum sachalinense***
 alkaloid from, 9, 339
- Acridine, 9,10-dihydro-**
 absorption spectroscopy, 1, 76
 —, perhydro-
 synthesis, 4, 306
- Acridinyl radicals, 10, 147**
 —, 9-cyano-, 10, 146
- Acridone**
 preparation, 2, 191
- Acrifoline**
 biogenesis, 9, 23
- Acrolein**
 dimer, in carbohydrate synthesis, 7, 98
- Acrylamide, α -bromo-**
 wool reactive dyes, 3, 308
- Acrylic acid, 2-acetamido-**
 hydrogenation, optically active catalysts for, 6, 19
- Acrylonitrile**
 cyclo-addition reactions, 2, 147, 148
 photo-addition, to naphthalene, 3, 114–116
 to phenanthrene, 3, 116
 photodimerisation, 2, 147
 reaction with insulin, 6, 118
- Actinomycin AyX₁ α**
 production, 6, 215
- Actinomycin C₂**
aniso-, synthesis, 6, 238
- Actinomycin D**
 biosynthesis, 6, 240
 conformation, 6, 101, 229
 deoxyguanosine complex, x-ray spectroscopy, 6, 231
 production, 6, 215
 syntheses, 6, 237, 238
- Actinomycin iso-C₂**
aniso-, synthesis, 6, 238
- Actinomycins**
 analogues, synthesis, 10, 175
 n.m.r., conformation and, 6, 90
 pyrolysis, in structural elucidation, 6, 226, 227
- Activation volume**
 in solvolysis of 2-arylethyl derivatives, 1, 202
- Actumidine**
 structure, 9, 193
- Acutimine**
 biosynthesis, 9, 204
 structure, 9, 193
- Acylamido group**
 participation, in carbohydrate oxirane ring opening, 7, 58, 59
 carbohydrate substitution reactions, 7, 40, 41
- Acylation**
 of amino sugars, 7, 126, 127
 of azines, 4, 103, 107, 108
 of benzo[b]thiophenes, 4, 252
 of indoles, 4, 41
 of indolizines, 4, 41
 of isoquinolines, 4, 148
 mechanism, 3, 13–16
 nucleophilic, carbonyl compound synthesis by, 2, 290–292
 of polycarbonyl compounds, 2, 307–309
 of pyrroles, 4, 40, 41
- Acyl carrier protein**
 of *E. coli*, synthesis, 6, 201
- Acyldauration**
 mechanism, 3, 25
- Acyloin rearrangement**
 D-homosteroid synthesis by, 8, 281, 282
- Acyloxy group**
 participation, in carbohydrate oxirane ring opening, 3, 58, 59
 carbohydrate substitution reactions, 7, 40, 41
- Acyloxy radical**
 preparation for e.s.r., 10, 4
 rearrangement, 10, 39
- Acyl radicals**
 aromatic substitution by, 10, 27
 e.s.r., 10, 16–18
- Adamantanamine**
 synthesis, 5, 255.
- Adamantane**
 alkyl thioethers, cleavage, 5, 299
 azo derivatives, thermal decomposition, 5, 300
 bridgehead radical, e.s.r., 10, 11
 cationic substitution, 5, 273–277
 chemistry, 5, 253–308
¹³C n.m.r., 5, 252

Adamantane *continued*

- copolycarbonates, polymers, 5, 308
 - coupled derivatives, 5, 282–288
 - derivatives, 5, 239–317
 - functional group manipulation, 5, 279–282
 - mass spectroscopy, 5, 30
 - resonance, geometrical inhibition of, 5, 296, 297
 - ring cleavage and closure, 5, 265–270
 - solvolysis, 5, 293–296
 - synthesis, 5, 253–258
 - x-ray crystallography, 5, 17
 - 1,4-dialkyl, *cis*- and *trans*-, trans-figurations, 5, 252
 - dipole moment, 5, 247
 - 1,2-disubstituted, synthesis, 10, 37
 - 2,4-disubstituted, synthesis, 5, 273
 - e.s.r., 5, 30
 - ethoxides, polymers from, 5, 308
 - free-radical substitution, 5, 277
 - functionalisation reactions, 5, 289–292
 - fused derivatives, 5, 282–288
 - gas chromatography, 5, 242, 243
 - gas-phase electron diffraction, 5, 8
 - in i.r. spectroscopy of solids, 5, 252
 - irradiation, 5, 250, 251
 - isomerisation, 5, 253–260
 - mass spectroscopy, 5, 243–246
 - mechanistic studies, 5, 297–302
 - medicinal properties, 5, 302–307
 - methylation, 5, 257
 - n.m.r., 5, 246
 - optical activity, 5, 249, 250
 - phospholipid derivatives, as renin inhibitors, 5, 307
 - in polymers, 5, 307, 308
 - preparation, 5, 288, 289
 - properties, 5, 3
 - radicals, e.p.r., 5, 251
 - reaction, with antimony pentachloride, 5, 302
 - with ferric chloride, 5, 302
 - ring contraction, 5, 271–273
 - ring transformation in, 5, 260–273
 - sublimation, 5, 250, 251
 - substituent effects, 5, 247–249
 - substituted, preparation, 5, 255–258
 - synthesis, 5, 253
 - thermodynamics, 5, 240–242
- Adamantane-*d*₁₆
- synthesis, 5, 254
- , adamantylidene-

Adamantane *continued*

- chlorination, 5, 260
 - synthesis, 5, 285
 - x-ray crystallography, 1, 170
 - , chloro-
bromination, 5, 258
 - , *gem*-chloronitroso-
photolysis, 5, 298
 - , 1,3-dibromo-
electrochemical reduction, 5, 297
 - , 2,2-dichloro-
rearrangement, 5, 257, 258
 - , dimethyl-
copolymer with benzene, 5, 308
 - , 1-hydroxy-3,5-dimethyl-
polymerisation, 5, 308
 - , 2-methyl-
bromination, 5, 259, 260
 - , tribromo-
synthesis, 5, 256
- Adamantanecetic acid
- Kolbe electrolysis, 5, 298
- Adamantanecarboxylic acid
- Kolbe electrolysis, 5, 298
- 1,3-Adamantanedicarbonyl chloride
- polyamides from, 5, 308
- Adamantanediol
- polyesters from aromatic tetracarboxylic dianhydrides and, 5, 308
- Adamantan-2-ol
- chemical shift reagents for n.m.r. of, 1, 127
- Adamantanone
- bromination, 10, 82
 - circular dichroism, solvent effects, 1, 87
 - octant rule and, 1, 98
 - oxime, Beckmann rearrangement, 2, 174
 - reaction with diazomethane, 2, 204
- Adamantane-spiro-3'-pyrrolidine
- antiviral activity, 5, 304
- Adamantene
- attempted synthesis, 5, 282
- Adamantyl acetone
- photolysis, 5, 102
- 1-Adamantyl *O,O*-*t*-butyl monoperoxy carbonate
- thermal decomposition, 5, 300
- 1-Adamantyl radical, 1, 205
- β -scission, 10, 30
 - stability, 10, 20, 21
- Adamantyl nitroxide radical, 5, 252
- 1-Adamantyloxy radical

- 1-Adamantyloxy *continued*
 β -scission, 10, 30
 —, 2-methyl
 ring opening, 10, 29, 30
- Addition reactions (*see also* Cyclo-addition)
 of free radicals, 10, 49–70
 of steroids, 8, 36–40
 of unsaturated cholestanes, 8, 210, 211
 of unsaturated sugars, 7, 90–92
- Adenine
 branched-chain sugar nucleosides derivatives, 7, 89
 ring-fission reactions, 4, 194
- Adenine-5'-phosphate, 9- β -D-ribofuranosyl-
 conformation by n.m.r., 1, 256
- Adenosine
 derivatives, mass spectroscopy, 4, 185
- Adenosine-3'-phosphate
 conformation by n.m.r., 1, 256
- Adenosine-5'-phosphate
 conformation by n.m.r., 1, 255
- Adenosine triphosphate
 x-ray diffraction, 4, 186
- Adrenaline
 hydrochloride, x-ray crystallography, 1, 173
- Adrenocorticotrophic hormone
 n.m.r., conformation, 6, 92
- 10-Adrenosterone
 synthesis, 8, 100
- Aerobacter aerogenes*
 extracellular polysaccharides, 7, 329
 lipopolysaccharides, 7, 325
- Aerobacter cloacae*
 mucus antigen from, 7, 327
- Aerophysinin
 structure determination, 1, 238
- Aerophysinin I
 (-), chiroptical properties, 1, 95
- Aerothionin
 structure determination, 1, 238
- Aetioporphyrin-I
 alkylation, 4, 323
- Agarose
 chain association with galactomannan, 7, 280
 n.m.r., 7, 290
 structure, 7, 308
- Agathis flavones, 4, 221
- Agroclavine
 biosynthesis, 9, 110
 lysergic acid from, 9, 112
- Ajenoic acids
 absorption spectroscopy, 1, 74
- Ajmalicine
 alkaloids synthesis, 9, 38–40
 biosynthesis, 1, 300; 9, 115, 116, 119, 121, 123
 vindoline, catharanthine and, 1, 299
- Ajmaline
 sarpagine alkaloids, syntheses, 9, 40–48
 synthesis, 9, 41, 43, 44
 —, deoxy-
 synthesis, 9, 46
- Ajmalol A, deoxy-
 synthesis, 9, 46
- Ajmalol B, deoxy-
 synthesis, 9, 45
- Ajugalactone
 properties, 8, 188
- Ajugasterone B
 properties, 8, 185
- Ajugasterone C
 properties, 8, 187
 stereochemistry by aromatic chirality, 1, 237
- Akuammicine
 biosynthesis, 1, 300; 9, 115, 123, 125
- Alamethicin
 structure elucidation, 6, 71, 72
- Alangiside
 biosynthesis, 1, 303
- Alanine
 asymmetric synthesis, 6, 19
 —, *N*-acetyl-D-phenyl-
 asymmetric synthesis, 6, 19
 —, 1-(1,4-cyclohexadienyl)-
 in *Streptomyces*, 6, 6
 —, 2-(1,4-cyclohexadienyl)-
 synthesis, 6, 23
 —, 3-(2,5-dihydroxyphenyl)-
 L-, from *Streptomyces*, 6, 6
 —, 3,4-dihydroxyphenyl-
 L-, biological role, 6, 2
 —, β -(2-fluoropyridyl)-
 synthesis, 6, 25
 —, *N*-(2-hydroxyethyl)-
 from rumen protozoa, 6, 4
 —, α -methylphenyl-
 R-, synthesis, 6, 25
 —, phenyl-
 biosynthesis, 1, 286
 in colchicine biosynthesis, 9, 206
 halogeno-, synthesis, 6, 25
 isoquinoline alkaloid biosynthesis