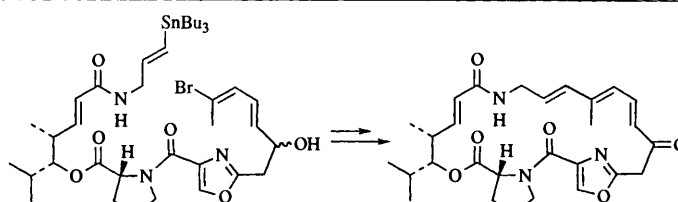


Communications

1315 Total synthesis of the virginiamycin antibiotic 14,15-anhydropristinamycin II_B

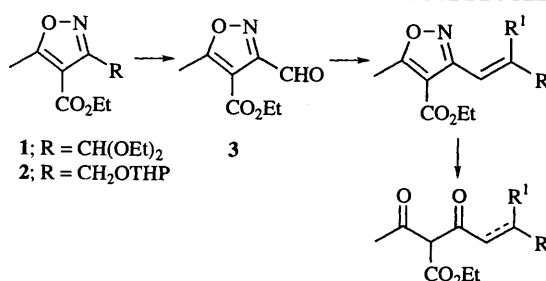
David A. Entwistle, Stuart I. Jordan, John Montgomery and Gerald Pattenden



A synthesis of a virginiamycin antibiotic is described using a palladium catalysed intramolecular Stille coupling reaction as the key stratagem

1319 An alternative isoxazole route to α -alkoxycarbonyl- β -diketones

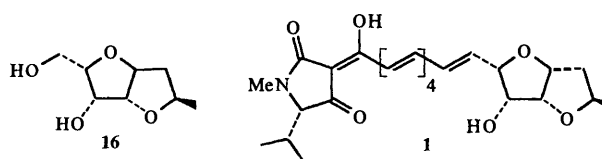
Raymond C. F. Jones, Stephen H. Dunn and Kathryn A. M. Duller



Cycloaddition of oxygen-functionalized nitrile oxides produces isoxazoles **1** and **2**, and thence the 3-formylisoxazole **3**, that reacts *in situ* with phosphoranes to give 3-alkenylisoxazoles that are reductively cleaved to α -alkoxycarbonyl- β -diketones

1323 Short synthesis of the furanofuran sub-unit of the toxin erythroskyrine

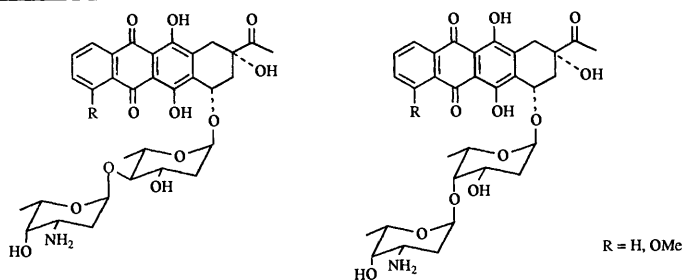
Raffaella Rossin, Peter R. Jones, Patrick J. Murphy and W. Roger Worsley



A short synthesis of diol **16** from L-xylose is reported as a potential synthetic route to the furanofuran sub-unit of the toxin erythroskyrine **1**

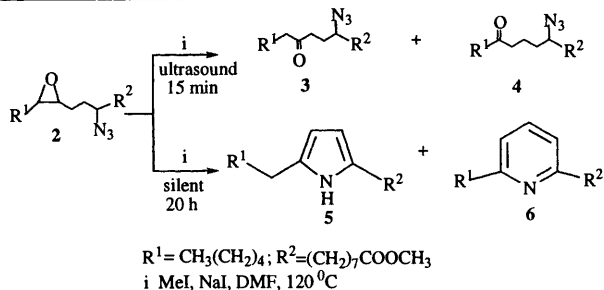
1327 **New anthracycline disaccharides. Synthesis of L-daunosaminyl- α (1 \rightarrow 4)-2-deoxy-L-rhamnosyl and of L-daunosaminyl- α (1 \rightarrow 4)-2-deoxy-L-fucosyl daunorubicin analogues**

Fabio Animati, Federico Arcamone, Marco Berettoni, Amalia Cipollone, Maurizio Franciotti and Paolo Lombardi



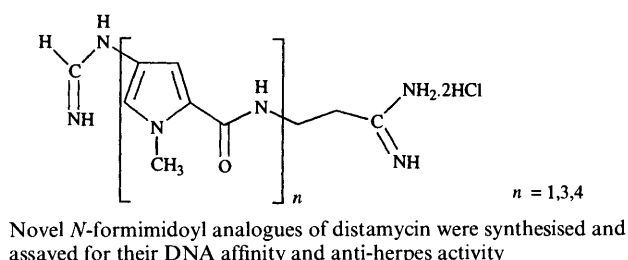
1331 **Synthesis of novel piperidine- and pyridine-containing long-chain fatty ester derivatives from methyl *iso*-ricinoleate**

Marcel S. F. Lie Ken Jie and Mohammed Khysar Pasha



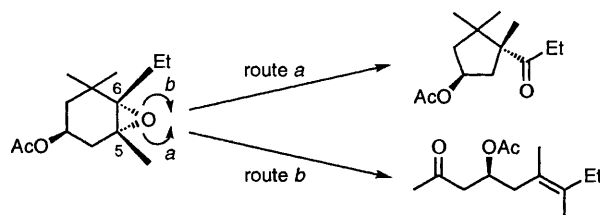
1333 **N-Formimidoyl analogues of distamycin**

Giovanna Di Pietro, Giuseppe Giannini, Elisabetta M. Iafrate, Edith Monteagudo, Mariella Dentini, Fabio Animati, Paolo Lombardi and Federico Arcamone



1337 **Stereoselective rearrangement of 5,6-epoxy carotenoid model compounds**

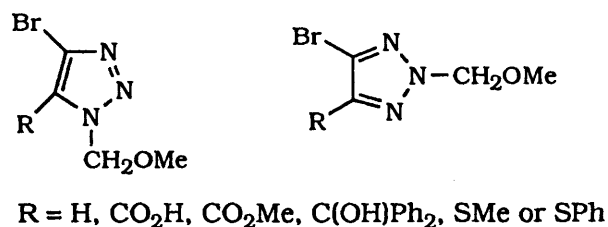
Yumiko Yamano, Chisato Tode and Masayoshi Ito



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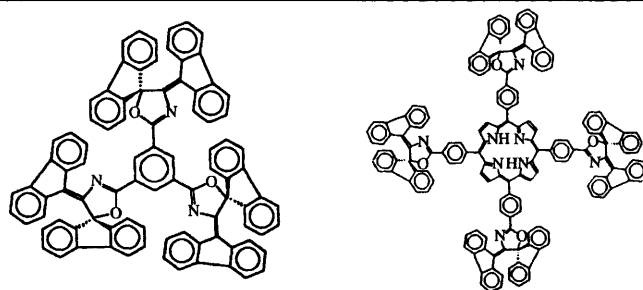
1341 **Azoles. Part 13. Synthesis and bromine \rightarrow lithium exchange reactions of some 1-substituted 4,5-dibromo-1*H*-1,2,3-triazoles and 2-substituted 4,5-dibromo-2*H*-1,2,3-triazoles**

Brian Iddon and Martin Nicholas



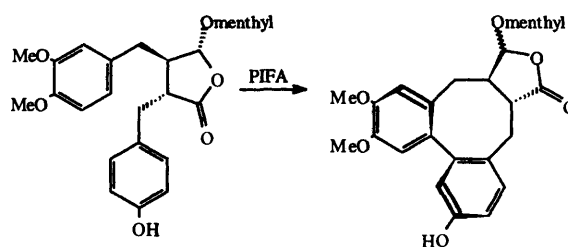
1349 **Reactions of acyl isothiocyanates with 9-diazofluorene: a route to macromolecules having pairs of orthogonal fluorene groups**

Gerrit L'abbé, Agna Francis and Wim Dehaen

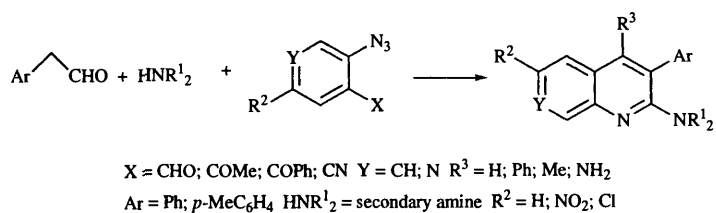


1353 Asymmetric syntheses of isostegane derivatives using trivalent iodine reagents

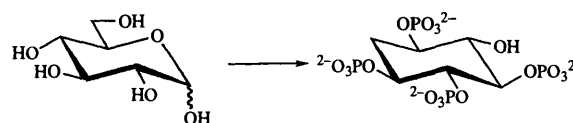
Andrew Pelter, Robert S. Ward and Atef Abd-el-Ghani

1359 *v*-Triazolines. Part 37. Rearrangement reactions of 5-amino-1-(2-formyl-, -benzoyl-, -cyano-aryl)-*v*-triazolines: new synthesis of 2-amino- and 2,4-diamino-quinolines and 2,4-diamino-1,7-naphthyridines

Egle M. Beccalli, Emanuela Erba, Maria Luisa Gelmi and Donato Pocar

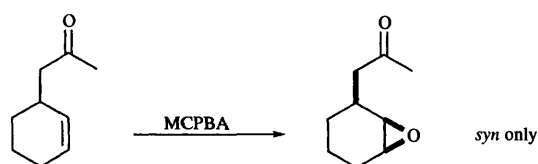
1365 Synthesis of D-2-deoxy-*myo*-inositol 1,3,4,5-tetrakisphosphate from D-glucose

David J. Jenkins, Didier Dubreuil and Barry V. L. Potter



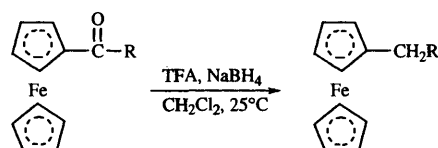
1373 Ketone-directed peracid epoxidation of cyclic alkenes

Alan Armstrong, Paul A. Barsanti, Paul A. Clarke and Anthony Wood



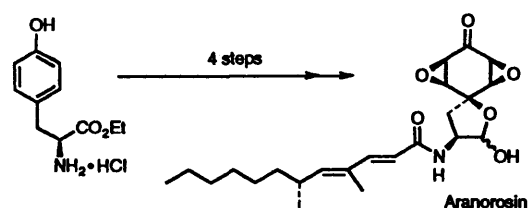
1381 Simple reduction of ferrocenyl aldehydes and ketones by sodium boranuide in trifluoroacetic acid: new, efficient, general preparation of alkylferrocenes

Sukanta Bhattacharyya



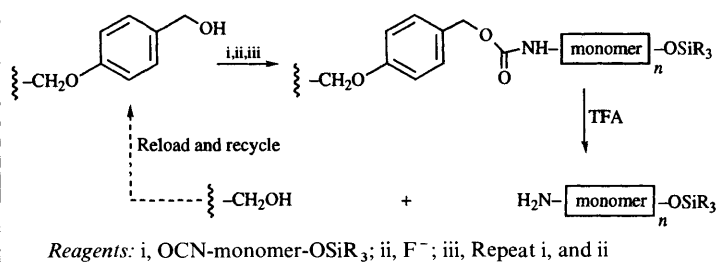
1385 The total synthesis of the diepoxycyclohexanone antibiotic aranorosin and novel synthetic analogues

Alexander McKillop, Lee McLaren, Richard J. K. Taylor, Robert J. Watson and Norman J. Lewis



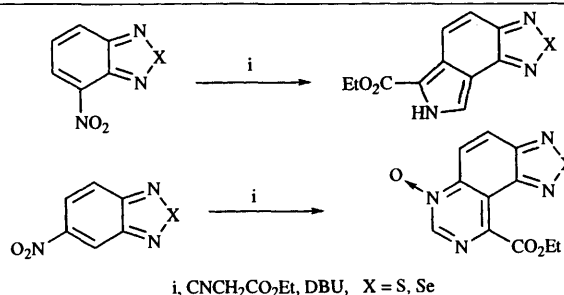
1395 The synthesis of precisely structured polyurethanes. Part 2. Chain building methodology

Maurice H. George, Helen C. Hailes and David A. Widdowson



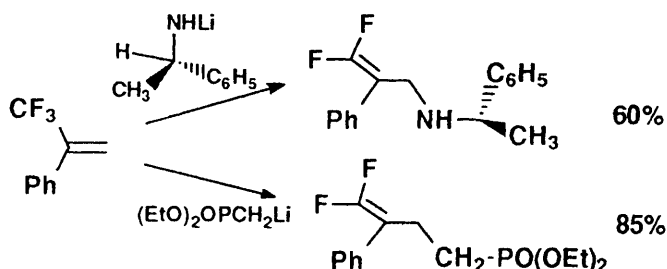
1403 A new facet of the reaction of nitro heteroaromatic compounds with ethyl isocyanoacetate

Takashi Murashima, Ken-ichi Fujita, Kazuo Ono, Takuji Ogawa, Hidemitsu Uno and Noboru Ono



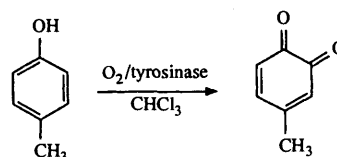
1409 Addition of organolithium reagents to α -(trifluoromethyl)styrene: concise synthesis of functionalised *gem*-difluoroalkenes

Jean-Pierre Bégue, Danièle Bonnet-Delpon and Michael H. Rock



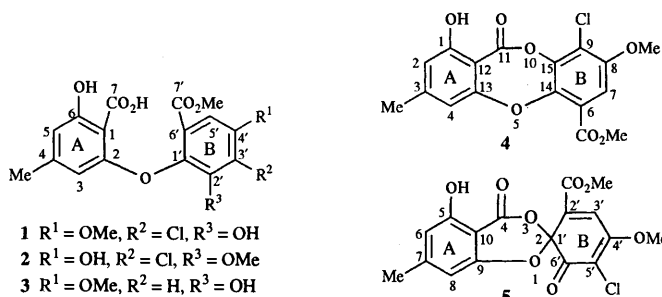
1415 Enhancement of tyrosinase activity by macrocycles in the oxidation of *p*-cresol in organic solvents

Jaap Broos, Renate Arends, Gerrit B. van Dijk, Willem Verboom, Johan F. J. Engbersen and David N. Reinhoudt



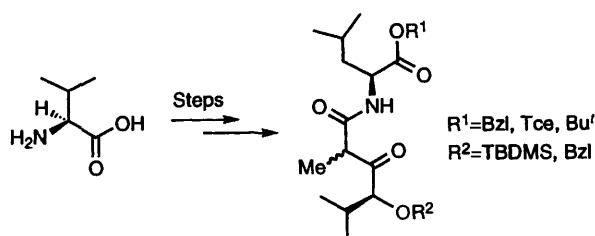
1419 Metabolites of the higher fungi. Part 29. Maldoxin, maldoxone, dihydromaldoxin, isodihydromaldoxin and dechlorodihydromaldoxin. A spirocyclohexadienone, a depsidone and three diphenyl ethers: keys in the depsidone biosynthetic pathway from a member of the fungus genus *Xylaria*

Monilola O. Adeboya, Raymond L. Edwards, Thomas Lassøe, Derek J. Maitland, Len Shields and Anthony J. S. Whalley



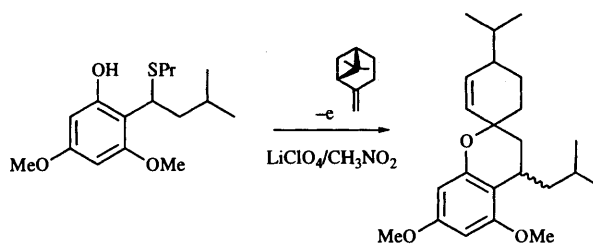
1427 Synthesis of derivatives of (2*S*,4*S*)-4-hydroxy-2,5-dimethyl-3-oxohexanoic acid, a constituent of the didemnins

Isabel González, Gemma Jou, Josep Maria Caba, Fernando Albericio, Paul Lloyd-Williams and Ernest Giralt



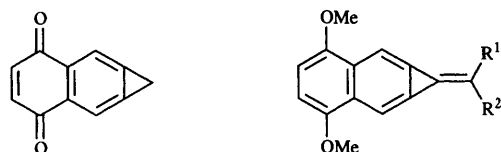
1435 **Electrochemical synthesis of chroman and euglobal skeletons via cycloaddition reaction of *o*-quinone methides and alkenes**

Kazuhiro Chiba, Junko Sonoyama and Masahiro Tada



1445 **Studies in the cycloproparene series: oxygen-containing 1*H*-cyclopropa[*b*]naphthalenes and their methyldene derivatives**

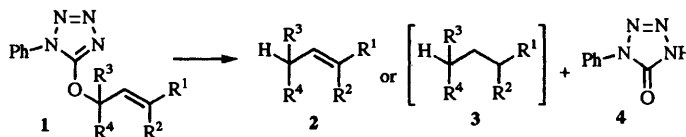
Brian Halton, Andrew J. Kay, Zha Zhi-mei, Roland Boese and Thomas Haumann



Cyclopropa[*b*]naphthalene-3,6-dione is prepared from the 3,6-dimethoxy analogue as are various methyldene derivatives

1453 **Metal-assisted reactions. Part 25. Heterogeneous and homogeneous catalytic transfer hydrogenolysis of allyloxytetrazoles to yield alkenes or alkanes**

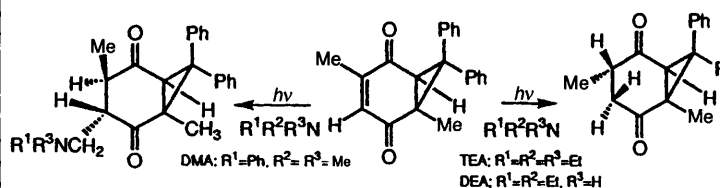
M. Lurdes S. Cristiano, Robert A. W. Johnstone and Peter J. Price



On heterogeneous or homogeneous catalytic transfer hydrogenolysis allyloxytetrazoles **1** gave either an alkene **2** or an alkane **3** and tetrazolone **4**, depending on the catalyst; none of the possible [3,3] rearranged *N*-allyl isomer was isolated

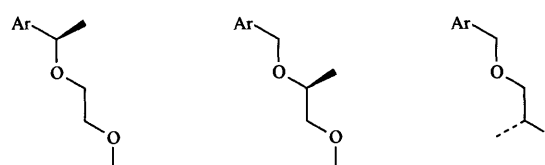
1461 **Photoreaction of homobenzoquinones with amine donors**

Hiroshi Moriwaki, Takashi Matsumoto, Toshikazu Nagai and Takumi Oshima



1467 **Phosphane ligands with two binding sites of differing hardness for enantioselective Grignard cross coupling**

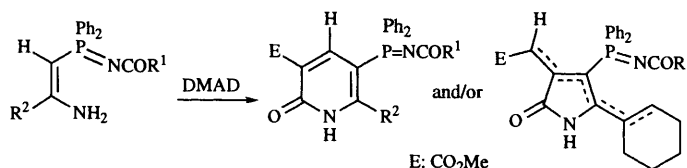
Andreas Terfort and Henri Brunner



Ar = -C₆H₄PPh₂-*o*

1481 **Synthesis of 4-phosphazeryl-2,3-dihydropyrrol-2-ones and 5-phosphazeryl-2-pyridones from β-[(*N*-acyl)phosphazeryl]enamines and dimethyl acetylenedicarboxylate**

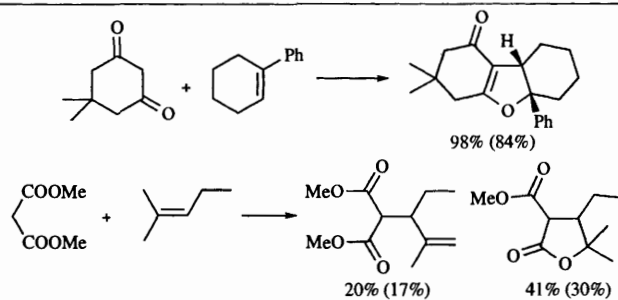
Elvira Peláez-Arango and Fernando López-Ortiz



The addition of DMAD to β-enaminophosphazenes yields 4-phosphazeryl-2-pyrrolones and 5-phosphazeryl-2-pyridones; the structures are assigned based on HMBC and NOE data

- 1487 **Oxidative addition of 1,3-dicarbonyl compounds to alkenes mediated by cerium(IV) ammonium nitrate and manganese(III) acetate: a comparative study**

Vijay Nair, Jessy Mathew and K. V. Radhakrishnan



Yields obtained with $\text{Mn}(\text{OAc})_3$ mediated reactions are given in parentheses

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NOTE: An asterisk in the heading of each paper indicates the author who is to receive any correspondence.

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Uncatalysed (thermal) and Lewis acid-promoted asymmetric hetero Diels-Alder reaction of 1-thiabuta-1,3-dienes (thiochalcones) with di-(-)-menthyl fumarate. Absolute configuration determination by X-ray crystallographic analysis of (2*S*,3*R*,4*R*)-(+)-2,3-bis[(-)-menthoxycarbonyl]-4,6-diphenyl-3,4-dihydro-2*H*-thiopyran and conversion of cycloadducts into optically pure diols **T. Saito, H. Fujii, S. Hayashibe, T. Matsushita, H. Kato and K. Kobayashi**

N-Halogeno Compounds. Part 18. 1-Alkyl-4-fluoro-1,4-diazoniabicyclo[2.2.2]octane salts: User-friendly site-selective electrophilic fluorinating agents of the N-fluoroammonium class
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Enantioselective preparation of 1,3-dithiane 1-oxides by asymmetric oxidation of 1,3-dithianes bearing a chiral auxiliary
T. Toru, Y. Watanabe, Y. Ono, S. Hayashi and Y. Ueno

Ritter Reactions. Part 11. Diverse reactivity of 5,10-(nitrilometheno)-5*H*-dibenzo[*a,d*]cyclohepten-11-yl amides with dimethyl acetylenedicarboxylate **D. Djaidi, R. Bishop, D.C. Craig and M.L. Scudder**

Lipase AKG mediated resolutions of α,α -disubstituted 1,2-diols in organic solvents; remarkably high regio- and enantio-selectivity **R.P. Hof and R.M. Kellogg**

Synthesis of analogues of the potent anti-bacterial agent tribactam. Part 1.
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Isolation and structural elucidation of the 11-residue peptaibol antibiotic, harzianin HK VI
S. Rebuffat, S. Hlimi, Y. Prigent, C. Goulard and B. Bodo

Characterisation of stress protein LysU. Enzymatic synthesis of diadenosine 5',5'''-*P*¹,*P*⁴-tetrphosphate (Ap4A) analogues by LysU **M.-E. Theoclitou, E.P.L. Wittung, A.D. Hindley, T.S.H. El-Thaher and A.O. Miller**

Synthesis of benzocycloheptenones by 1,3-dipolaradditions of 2-(1,3-benzodioxol-5-ylmethyl)-3-methoxycarbonylisoquinolinium-4-olate, inner salt, with dipolarophiles **J.J. Edmunds, X.-M. Cheng and B. Tobias**

Reaction of ynolate anions derived from silylketenes with electrophiles: a facile preparation of silyl ynol ethers and functionalised silylketenes **S. Akai, S. Kitagaki, T. Naka, K. Yamamoto, Y. Tsuzuki, K. Matsumoto and Y. Kita**

Studies on pyrimidine-annelated heterocycles: synthesis of novel pyrazolo[3',4':4,5]pyrido[2,3-*d*]pyrimidines *via* intramolecular 1,3-dipolar cycloadditions **B. Baruah, D. Prajapati, J.S. Sandhu and A.C. Ghosh**

Regioselective alkylation of 2-phenylpyridines with terminal olefins *via* C-H bond activation by a rhodium catalyst
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Podocarpene-to-spongian skeleton conversion. Synthesis of (+)-isoagatholactone and (-)-spongia-13(16),14-diene
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Metal-assisted fragmentation of *N*-trimethylsilyl-*N*-chlorothioaryl(alkyl)amines and *N*-chlorothioaryl(alkyl)amines in the presence of conjugated dienes: synthesis and reactivity of 2-substituted-3,6-dihydro-1,2-thiazines
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