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Publisher's Announcement

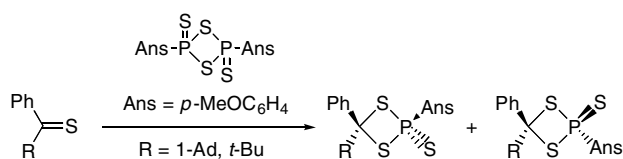
p 1329

COMMUNICATIONS

First isolation of 1,3,2-dithiaphosphetane 2-sulfide

pp 1331–1334

Hideaki Oshida, Akihiko Ishii* and Juzo Nakayama*

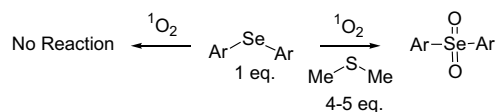


The reaction of *tert*-alkyl phenyl thioketones and 2-adamantanethione with Lawesson's reagent yielded the corresponding 1,3,2-dithiaphosphetane 2-sulfides in high yields.

Efficient trapping of the intermediates in the photooxygenation of sulfides by aryl selenides and selenoxides

pp 1335–1337

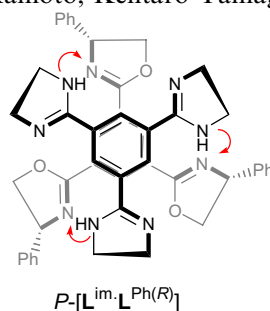
Nikoletta Sofikiti, Constantinos Rabalakos and Manolis Stratakis*



Unidirectional helical assembly via triple hydrogen bonds between chiral tris(oxazoline) and achiral tris(imidazoline)

pp 1339–1342

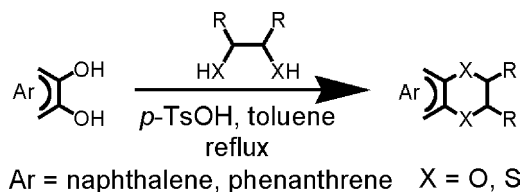
Seong Ryong Nam, Hae-Jo Kim, Shigeru Sakamoto, Kentaro Yamaguchi and Jong-In Hong*



A novel one-pot synthesis of derivatives of aryldioxins and aryldithiins

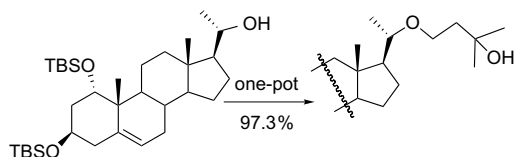
pp 1343–1346

Patcharee Preedasuriyachai, Porntip Charoonnuyomporn, Osit Karoonnirun, Tienthong Thongpanchang* and Yodhathai Thebtaranonth

**Efficient modification of steroid 20S-hydroxy functionality for industrial preparation of 1 α ,25-dihydroxy-22-oxavitamin D₃, Maxacalcitol**

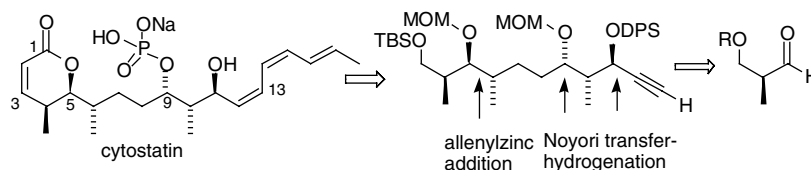
pp 1347–1350

Hitoshi Shimizu,* Kazuki Shimizu, Noboru Kubodera, Kenichi Yakushijin and David A. Horne

**Applications of chiral allenylzinc additions and Noyori asymmetric reductions to an enantioselective synthesis of a C3–C13 precursor of the polyketide phosphatase inhibitor cytostatin**

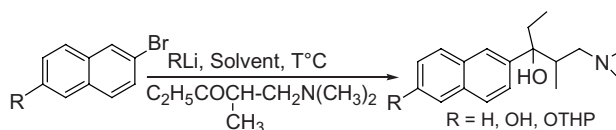
pp 1351–1353

James A. Marshall* and Keith Ellis

**Preparation of novel analgesics via diastereoselective nucleophilic addition to 1-dimethylamino-2-methylpentan-3-one**

pp 1355–1357

Ornella Azzolina,* Simona Collina, Gloria Brusotti, Daniela Rossi, Laura Linati, Enrica Lanza and Victor Ghislandi

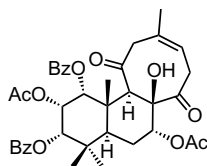


Naphthyl amino alcohols were prepared via nucleophilic addition to racemic 1-dimethylamino-2-methylpentan-3-one. The use of the appropriate experimental conditions allowed the synthesis of both diastereoisomers.

Neoorthosiphonone A; a nitric oxide (NO) inhibitory diterpene with new carbon skeleton from *Orthosiphon stamineus*

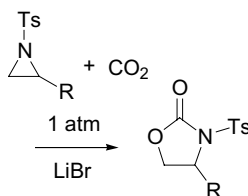
pp 1359–1362

Suresh Awale, Yasuhiro Tezuka, Mitsuo Kobayashi, Jun-ya Ueda and Shigetoshi Kadota*

***N*-Tosylaziridine, a new substrate for chemical fixation of carbon dioxide via ring expansion reaction under atmospheric pressure**

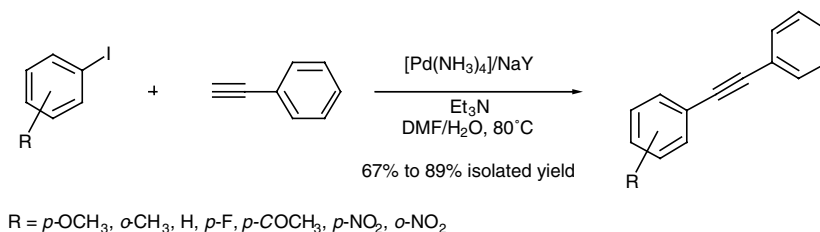
pp 1363–1365

Atsushi Sudo, Yosuke Morioka, Fumio Sanda and Takeshi Endo*

**Sonogashira cross-coupling reactions catalysed by heterogeneous copper-free Pd-zeolites**

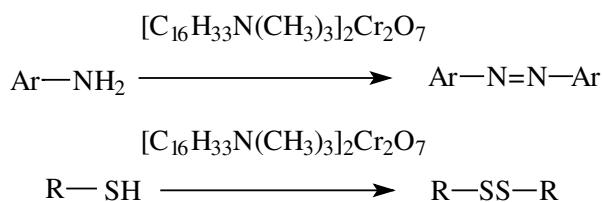
pp 1367–1370

Laurent Djakovitch* and Patrick Rollet

**Cetyltrimethylammonium dichromate: a mild oxidant for coupling amines and thiols**

pp 1371–1372

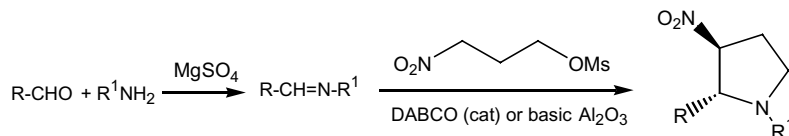
Sabita Patel and B. K. Mishra*



A new 'one-pot' synthesis of 2-substituted 3-nitro pyrrolidines through a multicomponent domino reaction

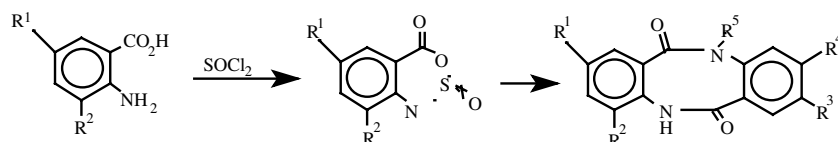
pp 1373–1375

Nikla Baricordi, Simonetta Benetti,* Gisella Biondini, Carmela De Risi and Gian P. Pollini


Dilactams. Synthesis of nonsymmetrical dibenzodiazocinediones

pp 1377–1379

Alfred Hassner,* Bin Sun, Gary Gellermann and Simcha Meir

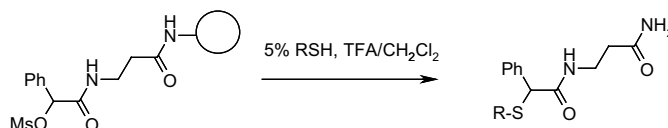


Two step synthesis of nonsymmetrical dibenzodiazocinediones.

Solid phase synthesis of mandelic acid-derived thioethers by α -keto carbocation trapping

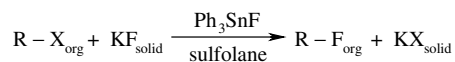
pp 1381–1383

Jean-Sébastien Fruchart, Jean-Bernard Behr and Oleg Melnyk*


A new type of phase-transfer catalysis via continuous transfer of fluoride anions to the organic phase in the form of potassium difluorotriphenylstannate

pp 1385–1386

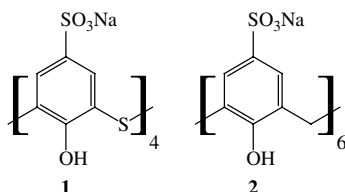
Mieczysław Mąkosza* and Robert Bujok

Ph₃SnF acts as phase-transfer catalyst

Complex formation between water-soluble sulfonated calixarenes and C₆₀ fullerene

pp 1387–1390

Sándor Kunsági-Máté,* Kornélia Szabó, István Bitter, Géza Nagy and László Kollár

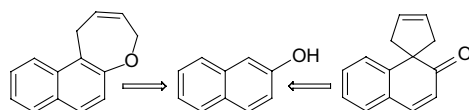


Photoluminescence studies revealed that water-soluble calixarene sulfonate derivatives **1** and **2** form complexes with the C₆₀ fullerene with 2:1 and 1:1 stoichiometry, respectively.

Metathetic approach to naphthoxepin and spirocyclic molecular frameworks

pp 1391–1394

Sambasivarao Kotha* and Kalyaneswar Mandal

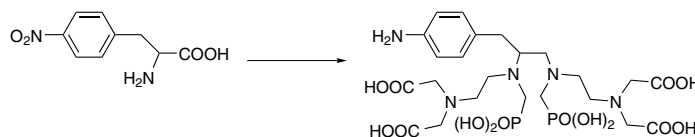


An efficient method for the synthesis of naphthoxepin and spirocyclic skeletons starting from β-naphthol has been developed. The Claisen rearrangement and the ring-closing metathesis reaction are used as key steps for their assembly.

Synthesis of a new bifunctional chelating agent for samarium complexation

pp 1395–1397

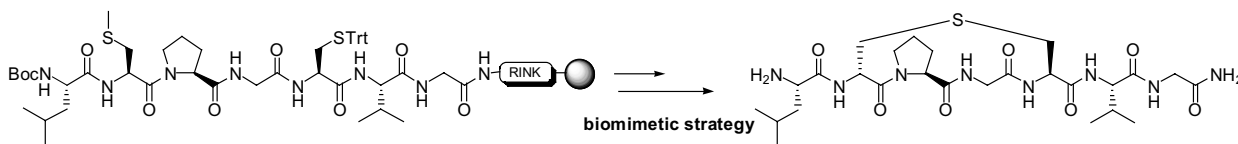
Ali Ouadi,* Karine Bultel, Agnes de France-Robert, Anthony Loussouarn, Laurence Morandea and Jean-Francois Gestin



Cystine mimetics—solid phase lanthionine synthesis

pp 1399–1401

Mizio Matteucci, Gurdip Bhalay and Mark Bradley*

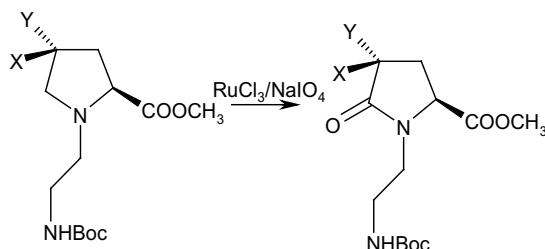


The total solid phase synthesis of an analogue of the B ring of nisin was achieved, in a biomimetic fashion, via the solid phase diastereoselective cyclisation of a dehydrothiol-containing peptide.

Regioselective oxidation of *N*-alkylpyrrolidines to pyrrolidin-5-ones by RuCl₃/NaIO₄

pp 1403–1406

Nagendra K. Sharma and Krishna N. Ganesh*

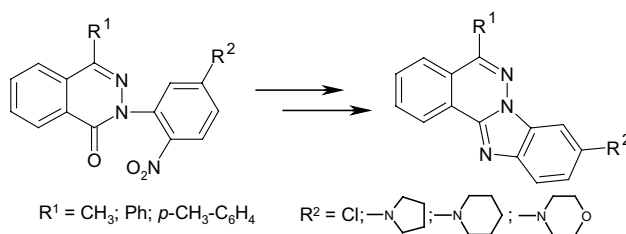


RuCl₃/NaIO₄ under EtOAc/H₂O biphasic conditions, selectively oxidizes the *N*α-endo-methylene group of pyrrolidine derivatives, without affecting the *exo*-methylene group adjacent to the N-heteroatom.

**Synthesis of benzo[4,5]imidazo[2,1-*a*]phthalazines**

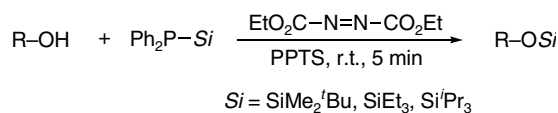
pp 1407–1408

Kirill M. Shubin,* Viktor A. Kuznetsov and Vladimir A. Galishev

**Activation of silylphosphines by diethyl azodicarboxylate: novel silylation of alcohols**

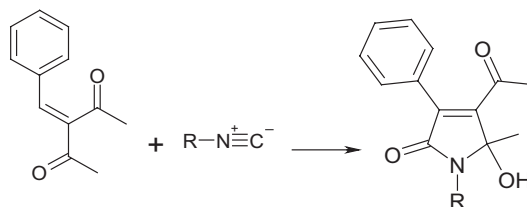
pp 1409–1411

Minoru Hayashi,* Yutaka Matsuura and Yutaka Watanabe*

**5-Hydroxy-2*H*-pyrrol-2-ones and not 2-aminofurans are the cycloaddition products between alkyl isocyanides and benzyliden-1,3-diketones**

pp 1413–1416

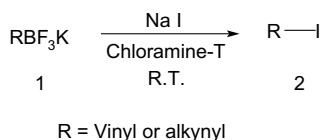
Monica Quai,* Sara Frattini, Ugo Vendrame, Maurizio Mondoni, Simona Dossena and Enzo Cereda



Iodination of organotrifluoroborates: synthesis of vinyl and alkynyl iodides

pp 1417–1419

George W. Kabalka* and Arjun Reddy Mereddy

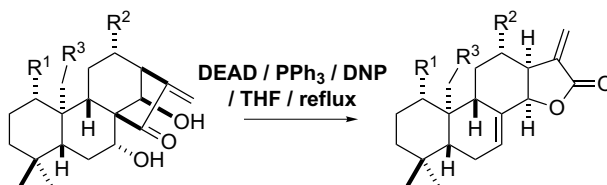


Vinyl- and alkynyltrifluoroborates are rapidly converted to vinyl and alkynyl iodides under mild conditions using sodium iodide in the presence of chloramine-T.

Efficient synthesis of novel cytotoxic *cis*-fused α -methylene γ -lactones from 7,14-dihydroxy-*ent*-kaurenes by transformation under Mitsunobu reaction conditions

pp 1421–1425

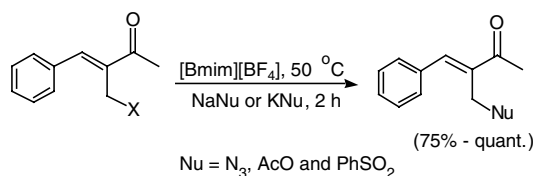
Yutaka Aoyagi, Ming-Yu Gui, Yong-Ri Jin, Xu-Wen Li, Takeshi Noguchi, Haruhiko Fukaya, Tomoyo Hasuda and Koichi Takeya*



Efficient nucleophilic substitution reactions of highly functionalized allyl halides in ionic liquid media

pp 1427–1431

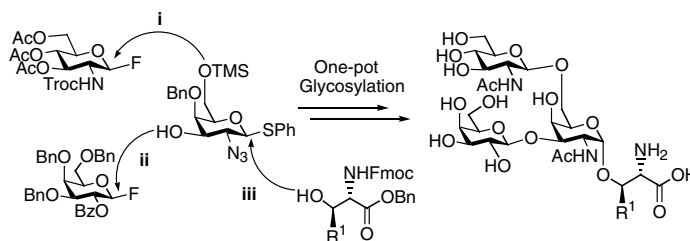
S. R. S. Saibabu Kotti, Xin Xu, Guigen Li* and Allan D. Headley*



Efficient synthesis of core 2 class glycosyl amino acids by one-pot glycosylation approach

pp 1433–1436

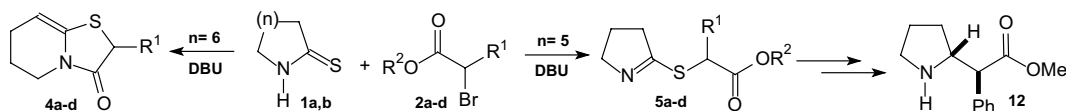
Hiroshi Tanaka, Masaatsu Adachi and Takashi Takahashi*



The influence of the ring size of thiolactams in the Eschenmoser coupling reaction in presence of DBU. Formation of bicyclic thiazolidinones or thioimines

pp 1437–1440

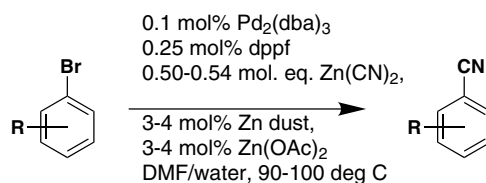
Dennis Russowsky* and Brenno Amaro da Silveira Neto



A robust palladium-catalyzed cyanation procedure: beneficial effect of zinc acetate

pp 1441–1444

Ramakrishnan Chidambaram*

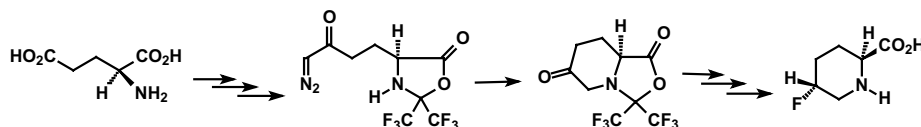


A more robust procedure to convert aryl bromides to aryl cyanides that uses zinc dust and zinc acetate has been described.

Hexafluoroacetone as a protecting and activating reagent: 5,5-difluoro- and *trans*-5-fluoropipercolic acids from glutamic acid

pp 1445–1447

Alexander S. Golubev, Hartmut Schedel, Gabor Radics, Marco Fioroni, Sven Thust and Klaus Burger*

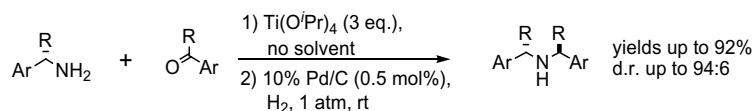


Starting from hexafluoroacetone-protected (*S*)-glutamic acid, *trans*-5-fluoropipercolic and 5,5-difluoropipercolic acid have been synthesized. The piperidine ring was constructed by an intramolecular metal carbenoid NH insertion.

A practical, solvent free, one-pot synthesis of *C*₂-symmetrical secondary amines

pp 1449–1451

Alexandre Alexakis,* Ségolène Gille, Fabrice Prian, Stéphane Rosset and Klaus Ditrich

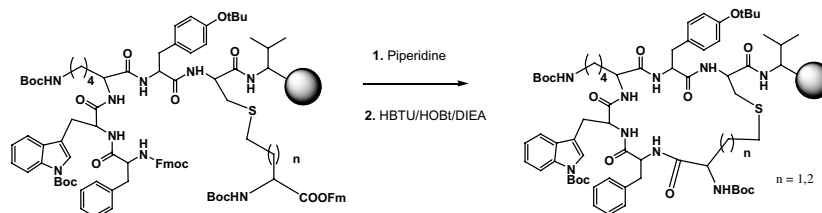


A novel one-pot reductive amination of ketones using the combination $\text{Ti}(\text{O}^i\text{Pr})_4/\text{H}_2/\text{Pd}-\text{C}$ is reported. This practical procedure does not require any solvent and affords *C*₂-symmetrical secondary amines in high yields and excellent diastereoselectivities.

An efficient approach for monosulfide bridge formation in solid-phase peptide synthesis

pp 1453–1456

Pietro Campiglia, Isabel Gomez-Monterrey, Luigi Longobardo, Teresa Lama, Ettore Novellino and Paolo Grieco*

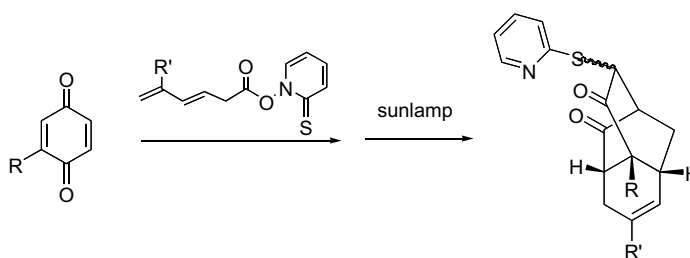


A novel approach for the synthesis of cyclic peptides containing unnatural thioether side-chain bridges, is reported.

Tandem Diels–Alder reaction/radical cyclizations for the rapid construction of bridged ring systems

pp 1457–1459

George A. Kraus* and Junwon Kim



Bridged tricyclic ring systems can be prepared in a one-pot reaction using a tandem Diels–Alder reaction/radical cyclization strategy. The regiochemistry of the radical addition is unexpected.

First synthesis of 3-O-methyl-scylo-inosamine, a natural product which favors the Rhizobium–Leguminosae symbiosis

pp 1461–1463

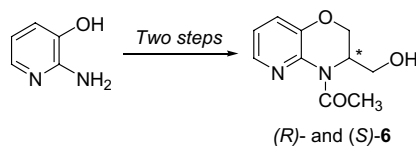
Alain Krief,* Willy Dumont, Denis Billen, Jean-Jacques Letesson, Pascal Lestrade, Peter J. Murphy and Damien Lacroix



The first enantioselective synthesis of 4-acetyl-3(R)- and 3(S)-(hydroxymethyl)-3,4-dihydro-2H-pyrido[3,2-b]oxazine

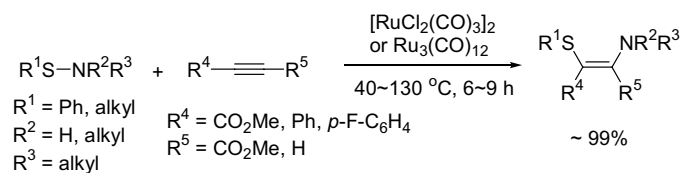
pp 1465–1468

N. Henry, G. Guillaumet and M. D. Pujol*

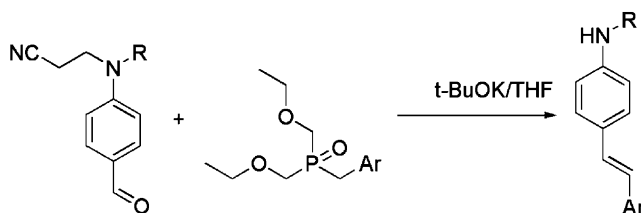


Ruthenium-catalyzed addition of sulfenamides to alkynes leading to selective synthesis of polyfunctional alkenes pp 1469–1471

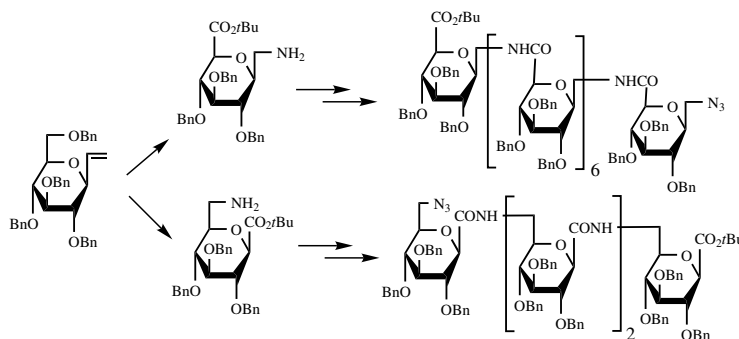
Teruyuki Kondo, Atsushi Baba, Yumiko Nishi and Take-aki Mitsudo*


Novel applications of 2-cyanoethylanimines in the synthesis of conjugated primary and secondary anilines pp 1473–1475

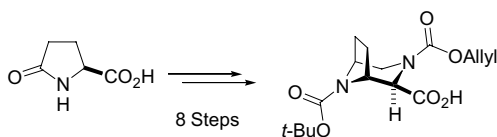
Yi Liao* and Bruce H. Robinson


Synthesis of pyranoid δ -sugar amino acids and their oligomers from per-benzylated β -C-vinyl glucoside pp 1477–1479

François Durrat, Juan Xie* and Jean-Marc Valéry


Synthesis of orthogonally protected 3,8-diazabicyclo[3.2.1]octane-2-carboxylic acid—a versatile building block for the synthesis of cocaine analogues pp 1481–1483

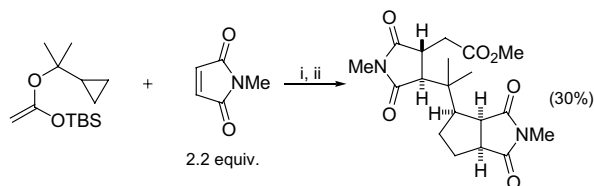
Stefan Pichlmair,* Kurt Mereiter and Ulrich Jordis*



Vicinal alkylation–carboxymethylation of electron-poor alkenes by radical-chain reactions with *O*-alkyl *O*-silyl ketene acetals and their [3+2] annulation by reaction with *O*-cyclopropylcarbiny *O*-silyl ketene acetals

pp 1485–1488

Yudong Cai and Brian P. Roberts*

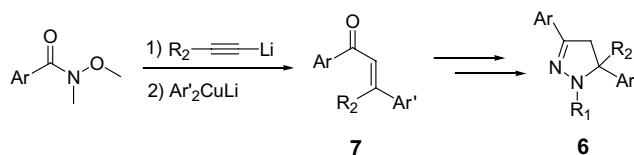


Conditions: i) Dilauroyl peroxide (0.10 equiv.) initiator, refluxing benzene; ii) TBAF, MeI

Two-step synthesis of β -alkyl chalcones and their use in the synthesis of 3,5-diaryl-5-alkyl-4,5-dihydropyrazoles

pp 1489–1493

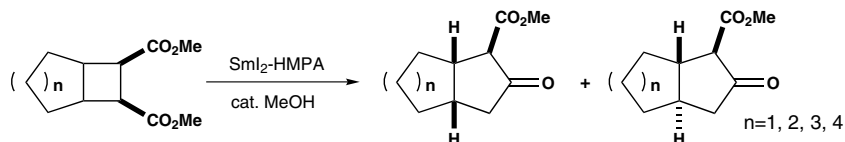
Christopher D. Cox,* Michael J. Breslin and Brenda J. Mariano



Samarium(II)-induced ring-expansion reaction of 1,2-cyclobutanedicarboxylates to produce cyclopentanones

pp 1495–1498

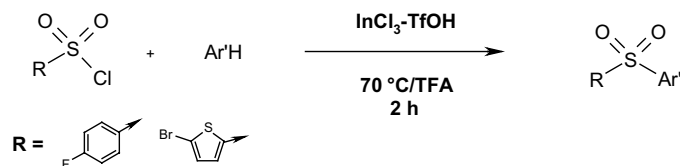
Ikuo Shinohara and Hiroto Nagaoka*



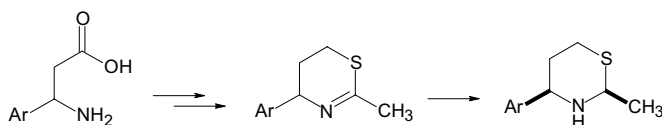
Indium(III)-catalysed aryl sulfonylation reactions

pp 1499–1501

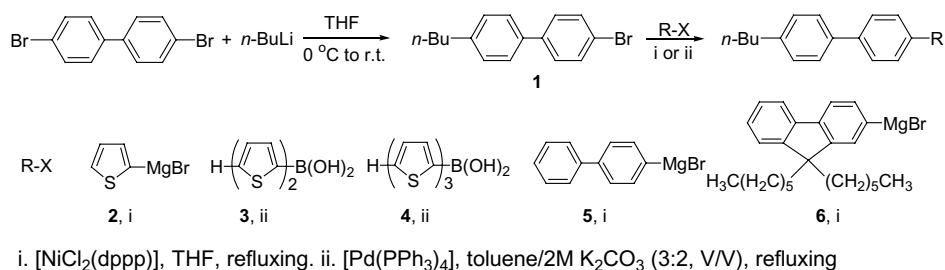
Vincenzo Garzya,* Ian T. Forbes, Stephanie Lauru and Paolo Maragni



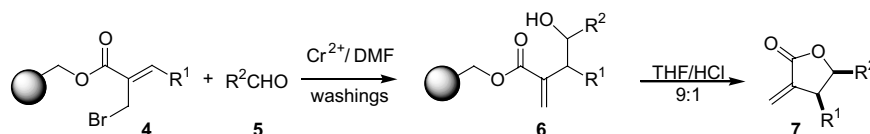
A convenient synthesis of dihydro- and tetrahydro-1,3-thiazine derivatives from β -aryl- β -amino acids pp 1503–1505
Nicolas Leflemme, Patrick Dallemagne* and Sylvain Rault



Synthesis, optical, and electrochemical properties of conjugated oligomers derived from 4-bromo-4'-(*n*-butyl)-2,2'-biphenyl pp 1507–1510
Xue-Ming Liu, Jingmei Xu and Chaobin He*

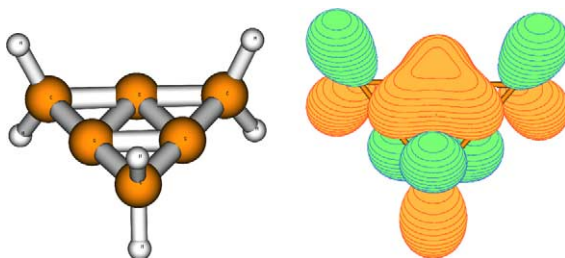


A solid-phase version of the Nozaki–Hiyama allylation of aldehydes with supported allylic bromides pp 1511–1513
Klaus Breitenstein, Amadeu Llebaria and Antonio Delgado*



A solid-phase version of the Nozaki–Hiyama allylation of supported allylic bromides with aldehydes is described. α -Methylene γ -butyrolactones **7** can be obtained by cyclization cleavage of the supported, intermediate homoallylic alcohols **6**, which can also be isolated by proper choice of reaction conditions.

A system with three contiguous planar tetracoordinate carbons is viable: a computational study on a $C_6H_6^{2+}$ isomer pp 1515–1517
U. Deva Priyakumar and G. Narahari Sastry*

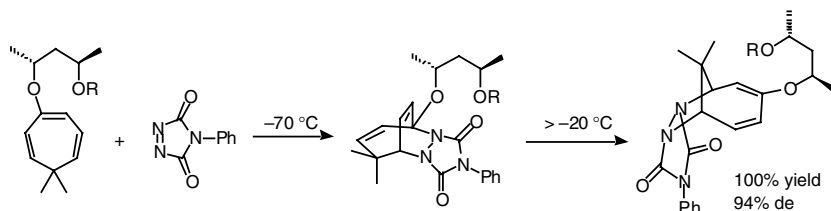


A novel structure, $C_6H_6^{2+}$, with three contiguous planar tetracoordinate carbon atoms is proposed as a viable candidate.

[6+2] Cycloaddition of *N*-phenyltriazolinedione with cycloheptatriene derivatives mediated and stereodirected by a chiral 3-oxy substituent

pp 1519–1521

Takashi Sugimura,* Chun Young Im and Tadashi Okuyama

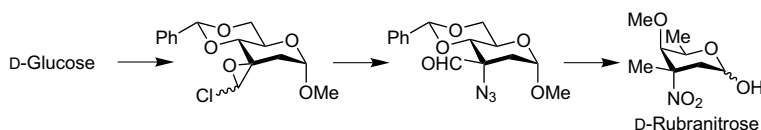


The PTAD addition to 7,7-dimethylcycloheptatriene resulted in a stereocontrolled [6+2] cycloaddition as a result of the rearrangement of the [4+2] adduct.

Synthesis of *D*-rubranitrose by using a novel method for constructing functionalized branched-chain structures

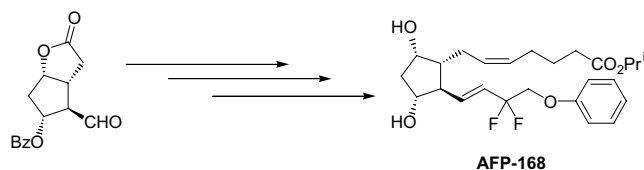
pp 1523–1525

Ken-ichi Sato,* Daisuke Miyama and Shoji Akai

**Synthesis of the highly potent prostanoid FP receptor agonist, AFP-168: a novel 15-deoxy-15,15-difluoroprostaglandin $F_{2\alpha}$ derivative**

pp 1527–1529

Yasushi Matsumura,* Nobuaki Mori, Takashi Nakano, Hideshi Sasakura, Takeshi Matsugi, Hideaki Hara and Yoshitomi Morizawa

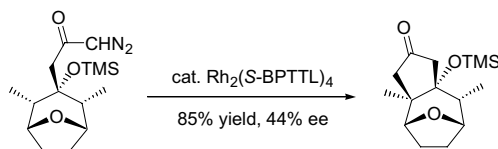


A novel 15-deoxy-15,15-difluoro-prostaglandin(PG) $F_{2\alpha}$ derivative **6** (AFP-168) has been synthesized from the Corey aldehyde in 6 steps.

Desymmetrizations of *meso* oxabicyclic compounds by asymmetric C–H insertion

pp 1531–1534

Pauline Chiu,* Xiaomei Zhang and Rebecca Y. Y. Ko

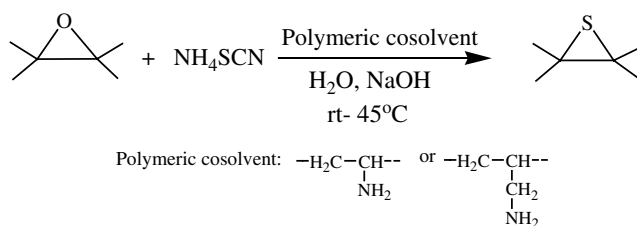


Using chiral rhodium catalysts, moderate enantioselectivities have been achieved in the desymmetrizations of *meso* oxabicyclo[3.2.1]diazoketones via intramolecular C–H insertion to give fused cyclopentanones.

Synthesis of thiiranes from oxiranes in water using polymeric cosolvents

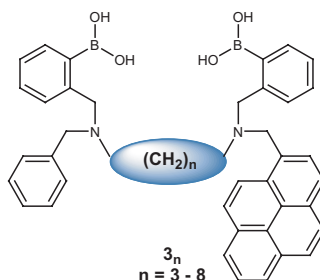
pp 1535–1537

Bahman Tamami* and Majid Kolahdoozan


Probing disaccharide selectivity with modular fluorescent sensors

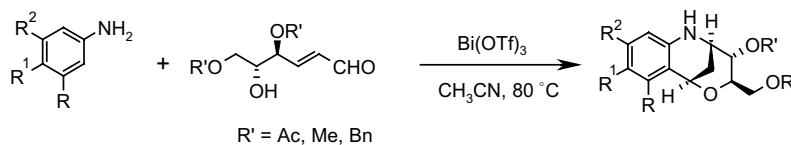
pp 1539–1542

Susumu Arimori, Marcus D. Phillips and Tony D. James*


Bismuth triflate catalyzed condensation of δ -hydroxy- α,β -unsaturated aldehydes with aryl amines

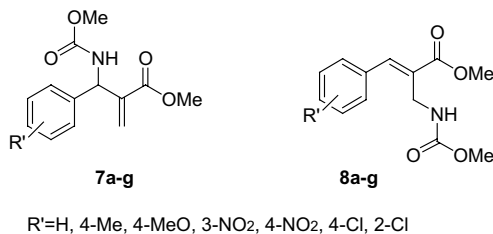
pp 1543–1546

J. S. Yadav,* B. V. S. Reddy, G. Parimala and A. Krishnam Raju


One-pot easy conversion of Baylis–Hillman adducts into carbamates of unsaturated β -amino acids

pp 1547–1550

Manouchehr Mamaghani* and Abed Badrian

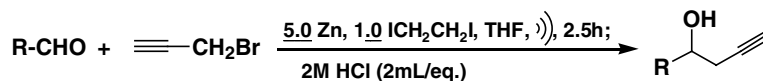


An easy, one-pot convenient transformation of Baylis–Hillman adducts into carbamates of unsaturated β -amino acids, for example, **7a–g** and **8a–g** via reaction with the Burgess reagent is described.

Synthesis of homopropargyl alcohols via sonochemical Barbier-type reaction

pp 1551–1553

Adam Shih-Yuan Lee,* Shu-Fang Chu, Yu-Ting Chang and Shu-Huei Wang

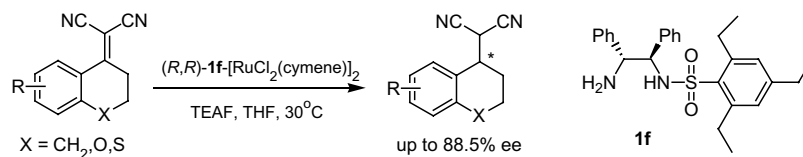


The homopropargyl alcohols were obtained as the only product when aldehydes were reacted with 3-bromo-1-propyne under the sonochemical Barbier-type reaction condition.

Efficient asymmetric transfer hydrogenation of activated olefins catalyzed by ruthenium amido complexes

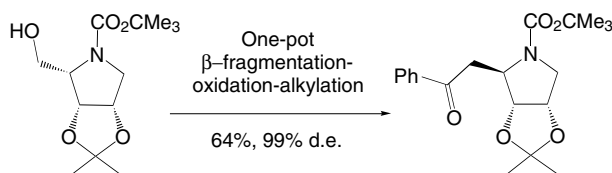
pp 1555–1558

Ying-Chun Chen, Dong Xue, Jin-Gen Deng,* Xin Cui, Jin Zhu and Yao-Zhong Jiang

**Synthesis of alkaloids from aminol derivatives by β -fragmentation of primary alkoxy radicals**

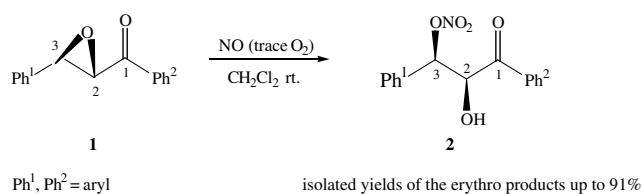
pp 1559–1563

Alicia Boto,* Rosendo Hernández,* Adriana Montoya and Ernesto Suárez

**Ring opening of 2,3-epoxy phenyl ketones upon reaction with nitric oxide**

pp 1565–1566

Zhongquan Liu, Rui Li, Desuo Yang and Longmin Wu*

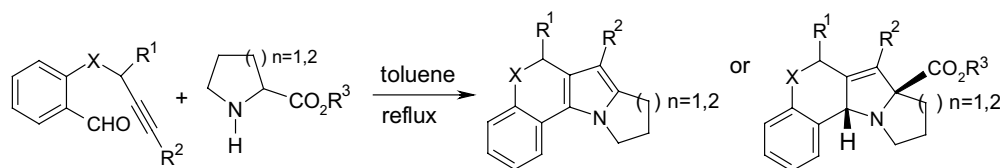


2,3-Epoxy phenyl ketones are opened regioselectively at C-3 by nitric oxide, affording *erythro*- α -hydroxyl nitrates in a highly *syn*-selective manner.

An expedient synthesis of diversified pyrrolizines and indolizines

pp 1567–1570

George Bashiardes,* Imad Safir, Francis Barbot and Joelle Laduranty



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*Corresponding author

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