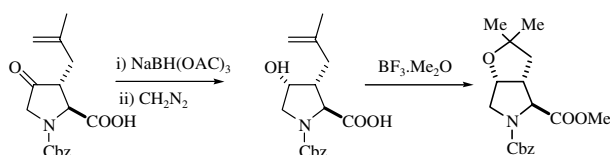


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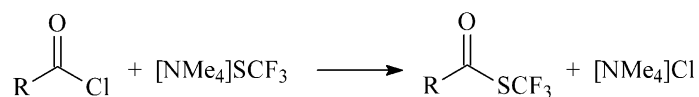
Carboxy mediated stereoselective reduction of ketones with sodium triacetoxyborohydride: synthesis of novel 3,4-fused tetrahydropyran and tetrahydrofuran prolines pp 6097–6100

Yi-Tsung Liu, Jesse K. Wong, Meng Tao, Rebecca Osterman, Mousumi Sannigrahi,*
Viyyoor M. Girijavallabhan and Anil Saksena



S-Trifluoromethyl esters of thiocarboxylic acids, RC(O)SCF₃ pp 6101–6104

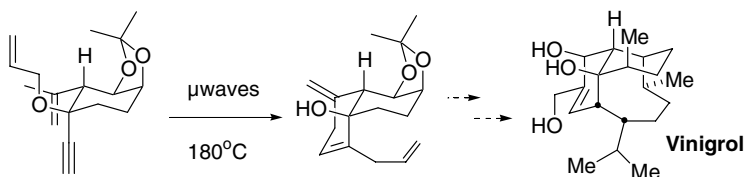
Mikhail M. Kremlev, Wieland Tyrra,* Dieter Naumann and Yurii L. Yagupolskii



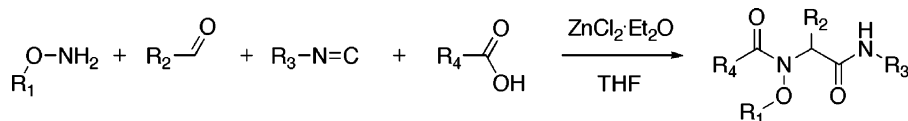
R=4-NO₂C₆H₄, 2-furan, 2-thiophene, 2,6-dipicolinic, *trans*-cinnamic, Et₂N, CH₂=CH(CH₂)₈, C₆F₅.

Stereoselective synthesis of the *cis*-decalin subunit of vinigrol via three pericyclic reactions in cascade pp 6105–6107

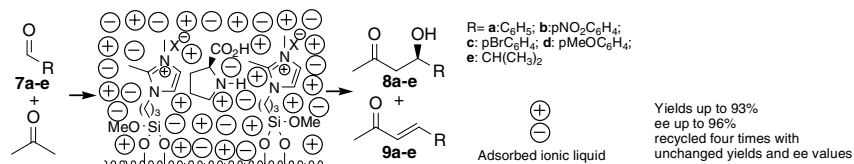
Louis Morency and Louis Barriault*



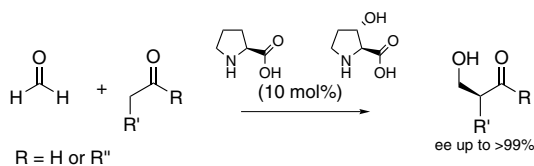
Ugi multicomponent reaction with hydroxylamines: an efficient route to hydroxamic acid derivatives pp 6109–6111
 Andrea Basso, Luca Banfi, Giuseppe Guanti,* Renata Riva and Antonella Riu



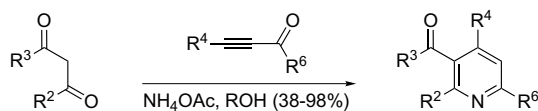
Supported ionic liquid asymmetric catalysis. A new method for chiral catalysts recycling. pp 6113–6116
The case of proline-catalyzed aldol reaction
 Michelangelo Gruttadauria,* Serena Riela, Paolo Lo Meo, Francesca D'Anna and Renato Noto



Direct organocatalytic asymmetric α -hydroxymethylation of ketones and aldehydes pp 6117–6119
 Jesús Casas, Henrik Sundén and Armando Córdoba*



A new mild method for the one-pot synthesis of pyridines pp 6121–6124
 Xin Xiong, Mark C. Bagley* and Krishna Chapaneri

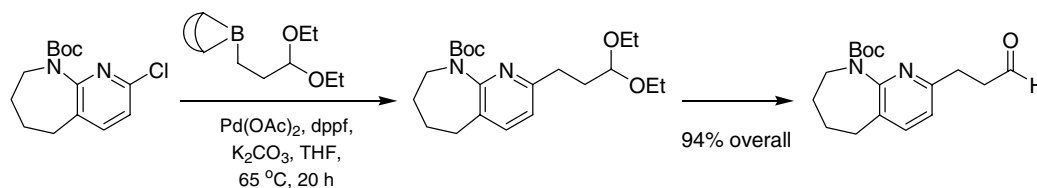


Pyridines are prepared in excellent yield by the three component reaction of an alkyne, 1,3-dicarbonyl compound and ammonia in alcoholic solvent with total regiocontrol.

An efficient and general synthesis of 3-substituted propionaldehydes using the Suzuki–Miyaura coupling

pp 6125–6128

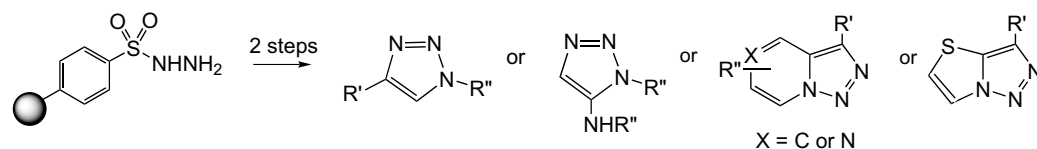
Cameron J. Cowden,* Deborah C. Hammond,* Brian C. Bishop, Karel M. J. Brands, Antony J. Davies, Ulf-H. Dolling and Sarah E. Brewer



Regiospecific solid-phase synthesis of substituted 1,2,3-triazoles

pp 6129–6132

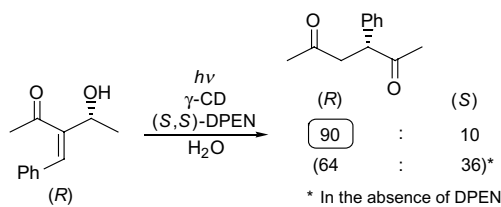
Makam S. Raghavendra and Yulin Lam*



Enantiospecific photochemical carbon skeletal rearrangement of Morita–Baylis–Hillman products in water

pp 6133–6135

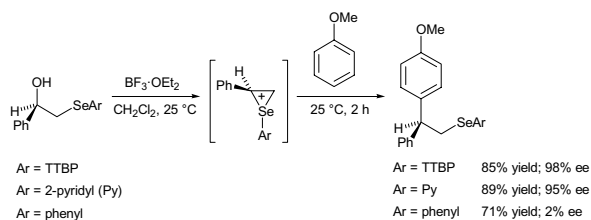
Koichi Mikami,* Satoshi Tanaka, Takayuki Tonoi and Shoji Matsumoto



Stereospecific carbon–carbon bond formation by the reaction of a chiral episelenonium ion with aromatic compounds

pp 6137–6139

Kazuki Okamoto, Yoshiaki Nishibayashi, Sakae Uemura and Akio Toshimitsu*

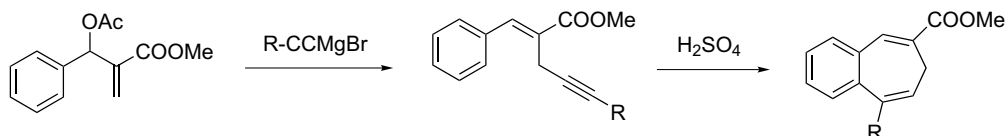


The stereospecific exchange of a hydroxyl group of chiral alcohols bearing a pyridylseleno group on the adjacent carbon atom with aromatic compounds occurred smoothly in the presence of Lewis acid.

Synthesis of methyl 9-phenyl-7*H*-benzocycloheptene-6-carboxylates from Baylis–Hillman adducts: use of intramolecular Friedel–Crafts alkenylation reaction

pp 6141–6146

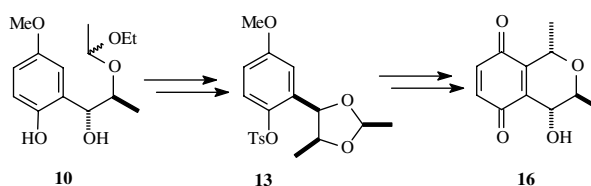
Saravanan GowriSankar, Ka Young Lee, Chang Gon Lee and Jae Nyoung Kim*



Short, convergent, stereoselective syntheses of enantiopure 2-benzopyran-5,8-quinones related to the aphid insect pigments, the protoaphins

pp 6147–6150

Anthony A. Birkbeck, Zinka Brkic and Robin G. F. Giles*

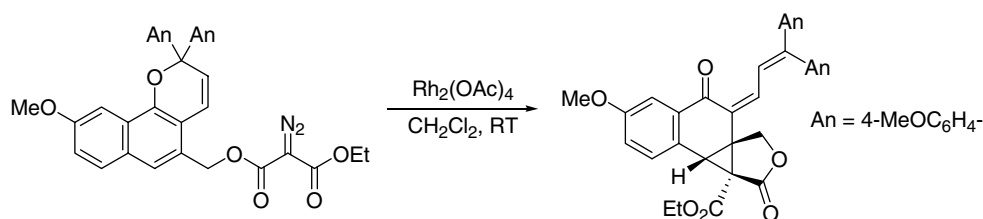


As an example, the adduct **10**, obtained by reaction of a titanium phenolate of 4-methoxyphenol and ethoxyethyl-protected (S)-lactaldehyde, is readily transformed into the enantiopure dioxolane **13** and thence into the quinone **16**.

Carbenoid induced irreversible ring opening of naphthopyrans

pp 6151–6154

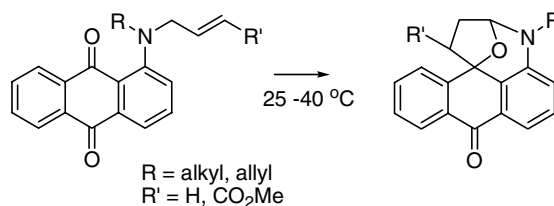
Christopher D. Gabbutt, B. Mark Heron,* David A. Thomas, Mark E. Light and Michael B. Hursthouse



***N*-Allyl-1,3-oxazines via a facile keto-ene/cyclization tandem reaction**

pp 6155–6158

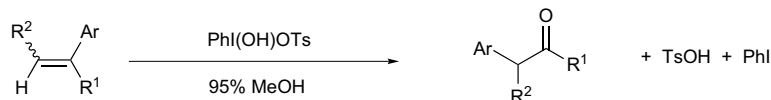
Robert G. Brinson and Paul B. Jones*



Oxidative rearrangements of arylalkenes with [hydroxy(tosyloxy)iodo]benzene in 95% methanol: a general, regiospecific synthesis of α -aryl ketones

pp 6159–6163

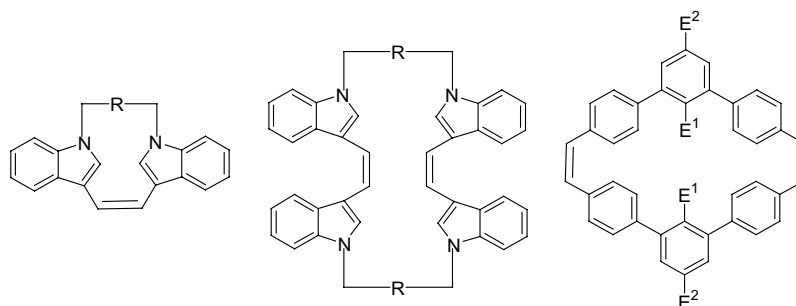
Michael W. Justik and Gerald F. Koser*



The use of McMurry coupling for the synthesis of indolophanes and *cis*-stilbenophanes

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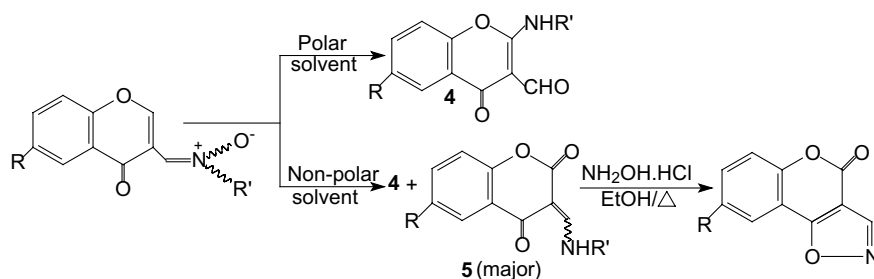
Perumal Rajakumar* and Merikapudi Gayatri Swaroop



Rearrangements of *N*-alkyl-/aryl-nitrones derived from 4-oxo-4*H*-1-benzopyran-3-carboxaldehyde— a solvent-dependent process

pp 6169–6172

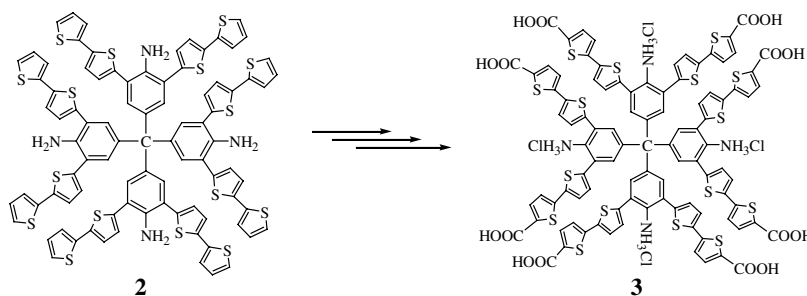
Tarun Ghosh and Chandrakanta Bandyopadhyay*



A water-soluble non-aggregating fluorescent octa-carboxylic acid derived from tetraphenylmethane: synthesis and optical properties

pp 6173–6177

Xue-Ming Liu, Chaobin He* and Junchao Huang



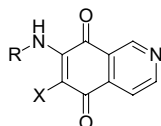
The synthesis and optical properties of the first eight-armed fluorescent compounds derived from tetraphenylmethane and bithiophene are reported.



Total synthesis of the marine cytotoxic caulibugulones A–D

pp 6179–6181

David Alagille, Ronald M. Baldwin and Gilles D. Tamagnan*

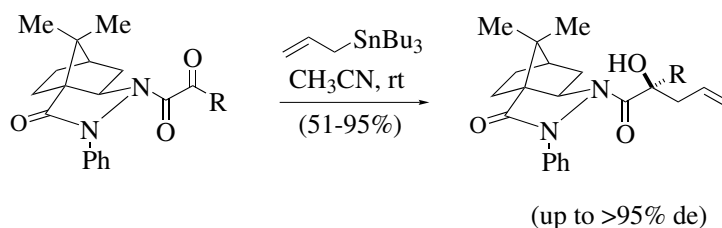


Caulibugulone A: R = CH ₃ X = H	IC ₅₀ = 0.34 μg/mL
Caulibugulone B: R = CH ₃ X = Br	IC ₅₀ = 0.22 μg/mL
Caulibugulone C: R = CH ₃ X = Cl	IC ₅₀ = 0.28 μg/mL
Caulibugulone D: R = CH ₂ CH ₂ OH X = H	IC ₅₀ = 1.67 μg/mL

Lewis acid mediated diastereoselective allylation of camphorpyrazolidinone derived α-ketoamides

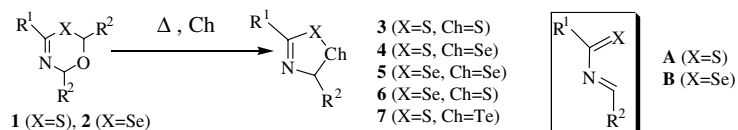
pp 6183–6185

Shy-Guey Wang, Huei Ru Tsai and Kwonmin Chen*

**Synthesis of 1,2,4-dichalcogenazoles by the reaction of 6H-1,3,5-oxachalcogenazines with elemental chalcogen**

pp 6187–6190

Islam Md. Rafiqul, Kazuaki Shimada, Shigenobu Aoyagi, Yoriko Fujisawa and Yuji Takikawa*

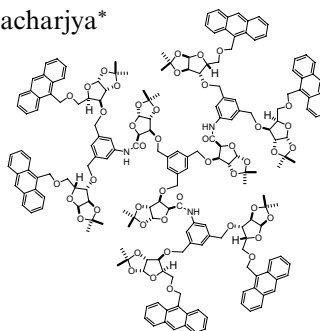


A series of 1,2,4-dichalcogenazoles were synthesized by the reaction of 6H-1,3,5-oxachalcogenazines with elemental chalcogen.

The first examples of anthracene capped chiral carbohydrate derived dendrimers: synthesis, fluorescence and chiroptical properties

pp 6191–6194

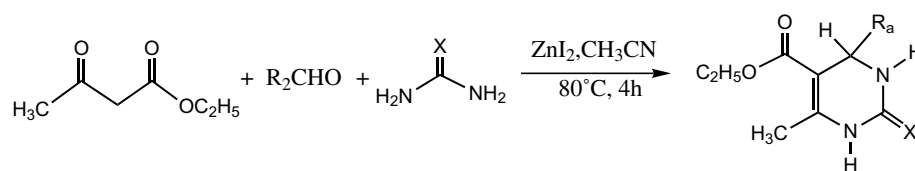
Subir Ghorai, Debasish Bhattacharyya and Anup Bhattacharjya*



Effect of high pressure on Biginelli reactions. Steric hindrance and mechanistic considerations

pp 6195–6198

G rard Jenner

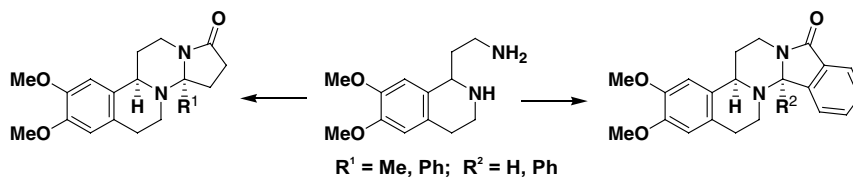


The pressure effect is enhanced when sterically hindered aldehydes or ureas are reacted. The study confirms an earlier mechanistic proposal.

A convenient and highly stereoselective synthesis of 14-substituted 8,13-diazaestrone analogues by domino ring closures

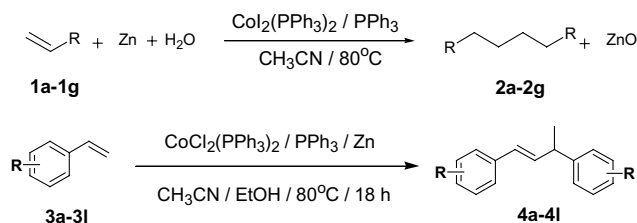
pp 6199–6201

L szl  L z r, Henri Kivel , Kalevi Pihlaja and Ferenc F l p*

**Cobalt-catalyzed dimerization of alkenes**

pp 6203–6206

Chun-Chih Wang, Pao-Shun Lin and Chien-Hong Cheng*




In the presence of $\text{CoX}_2(\text{PPh}_3)_2/3 \text{ PPh}_3$ and zinc metal conjugated alkenes undergo reductive tail-to-tail dimerization to yield the corresponding saturated linear products, while vinylarenes undergo head-to-tail dimerization to give *trans*-1,3-diarylbut-1-ene in good to excellent yields.

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*Corresponding author

+ Supplementary data available via ScienceDirect

COVER

During the past decades, thermal asymmetric syntheses have advanced to a great extent. In sharp contrast, only modest progress has been made for asymmetric photochemical syntheses. In this article highly enantiospecific photochemical carbon skeletal rearrangements of Morita–Baylis–Hillman products, α -hydroxymethylenones in γ -cyclodextrin as a chiral ‘supercage’, under photoirradiation in water is reported, wherein the asymmetric induction mechanism is discussed. Details can be found in *Tetrahedron Letters* **2004**, *45*, 6133–6135.

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