

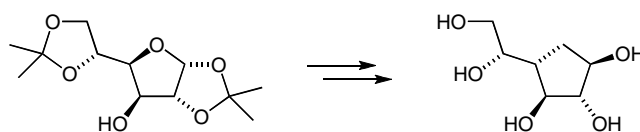
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COMMUNICATIONS

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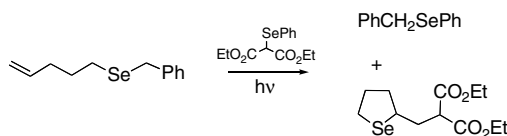
Jens Frigell and Ian Cumpstey*



Tandem homolytic addition/substitution sequences and their application to tin-free radical chemistry

pp 9077–9079

Sofia Lobachevsky, Carl H. Schiesser* and Vijay Gupta

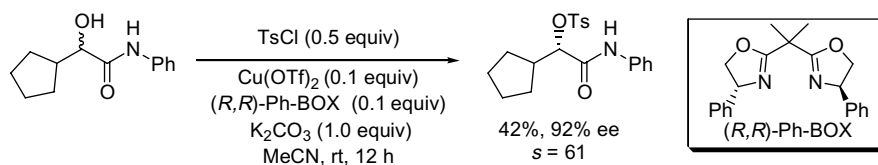


Alkyl pent-4-enyl selenides, pent-4-enylseleno benzoate and phenyl (pent-4-enylseleno)formate act as precursors of alkyl, acyl and oxyacyl radicals by reaction with diethyl 2-phenylselenomalonate under photochemical conditions in a chain mechanism involving tandem homolytic addition/substitution to afford tetrahydrosephenones and the corresponding phenylselenides.

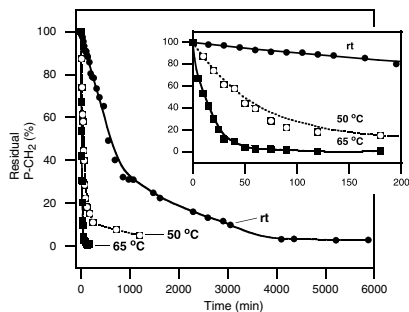
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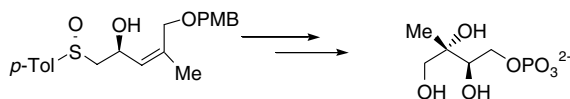
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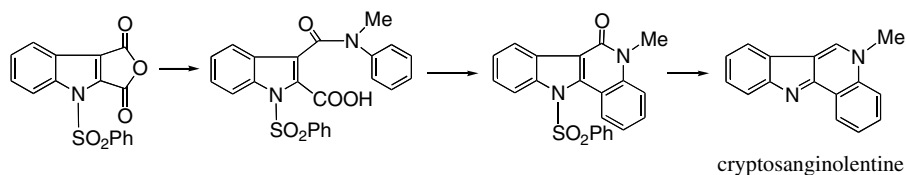
Synthesis of enantiopure 2-C-methyl-D-erythritol-4-phosphate pp 9090–9092
Sadagopan Raghavan* and T. Sreekanth



An enantiopure synthesis of 2-C-methyl-D-erythritol phosphate is described.

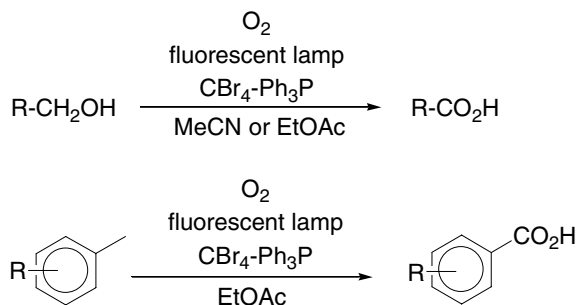
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Yasuyoshi Miki,* Makoto Kuromatsu, Hideaki Miyatake and Hiromi Hamamoto



Aerobic oxidation under visible light irradiation of a fluorescent lamp with a combination of carbon tetrabromide and triphenyl phosphine pp 9096–9099

Taichi Sugai and Akichika Itoh*

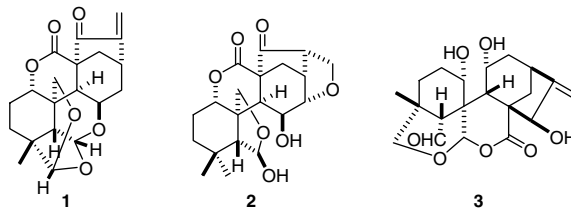


Sculponins A–C, three new 6,7-*seco-ent*-kauranoids from *Isodon sculponeatus*

pp 9100–9103

Li-Mei Li, Guo-You Li, Li-Sheng Ding, Chun Lei, Li-Bin Yang, Yong Zhao, Zhi-Ying Weng, Sheng-Hong Li, Sheng-Xiong Huang, Wei-Lie Xiao, Quan-Bin Han and Han-Dong Sun*

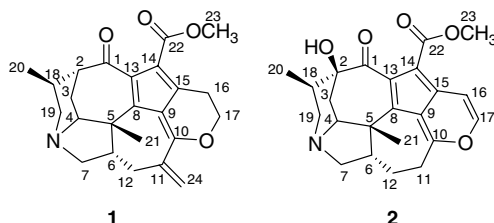
Three new 6,7-*seco-ent*-kauranoids (1–3) were isolated and structures were elucidated from *Isodon sculponeatus*. Diterpenoids 1–3 possessing multicyclic skeletons formed via oxygen atoms are all unprecedented among *ent*-kauranes. Compound 1 displayed significant cytotoxic activity against K562, A549, and HepG2 human tumor cell lines, with IC₅₀ values of 1.4, 2.3, and 2.0 μM, respectively, equal to the positive control. Plausible pathways for the biosynthesis of 1 and 2 from one related diterpenoid were also postulated.



Paxiphyllines A and B, new alkaloids from *Daphniphyllum paxianum*

pp 9104–9107

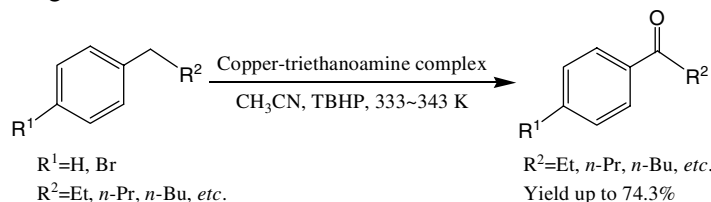
Yu Zhang, Hongping He, Yingtong Di, Shuzhen Mu, Yuehu Wang, Junsong Wang, Chunshun Li, Ningchuan Kong, Suo Gao and Xiaojiang Hao*



Copper-triethanolamine complex as efficient and active catalyst for selective oxidation of alkylarenes to phenyl ketones by *tert*-butylhydroperoxide

pp 9108–9111

Mingxia Zhu, Xin Wei, Bodong Li and Youzhu Yuan*



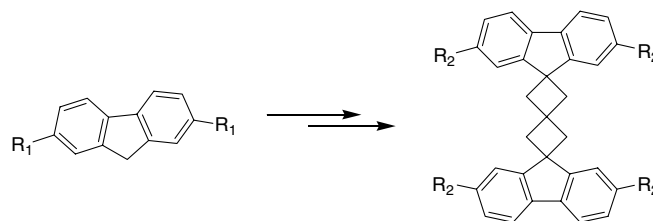
Several types of alkylarenes were selectively oxidized to the corresponding α-phenyl ketones in moderate to good selectivities and conversions using *tert*-butylhydroperoxide in the presence of a tetranuclear copper-triethanolamine complex under mild reaction conditions.



Excellent blue fluorescent trispirobifluorenes: synthesis, optical properties and thermal behaviors

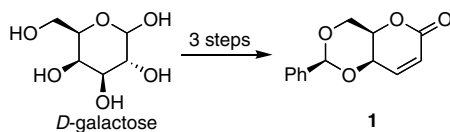
pp 9112–9115

Shuqiang Yu, Haiyao Lin, Zujin Zhao, Zixing Wang and Ping Lu*



A practical and enantiospecific conversion of D-galactose to a substituted α,β -unsaturated δ -lactone synthon pp 9116–9119

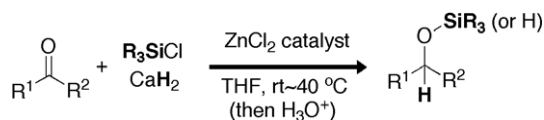
Benjamin E. Stephens and Fei Liu*



A multi-gram synthesis of a substituted α,β -unsaturated δ -lactone synthon, **1**, was developed from commercially available D-galactose. The use of a Horner–Wadsworth–Emmons reaction was able to furnish, with *Z* selectivity, the enone ester that spontaneously lactonised to provide enantiomerically pure **1**.

Carbonyl reduction with CaH_2 and R_3SiCl catalyzed by ZnCl_2 pp 9120–9123

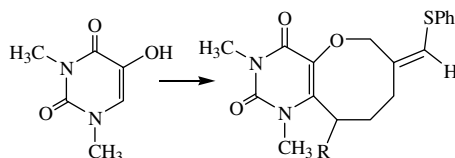
Akiko Tshako, Jing-Qian He, Mariko Mihara, Naoko Saino and Sentaro Okamoto*



Ketones and aldehydes were effectively reduced to the corresponding alcohols (or their silyl ethers) by the reaction with CaH_2 and R_3SiCl in the presence of a catalytic amount of ZnCl_2 . In the absence of the carbonyl substrate, the reagent reduced R_3SiCl to the corresponding hydrosilane under mild reaction conditions.

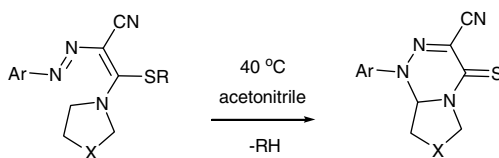
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K. C. Majumdar,* P. K. Maji, K. Ray and P. Debnath



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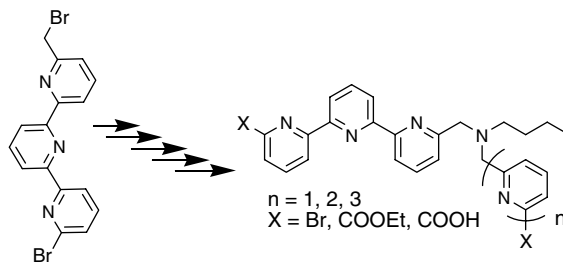
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Efficient route to hybrid polypyridine–carboxylate ligands for lanthanide complexation

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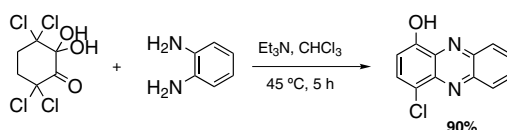
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3,3,6,6-Tetrachloro-2,2-dihydroxycyclohexanone as a synthetic equivalent of unavailable 3-chloro-6-hydroxy-1,2-benzoquinone: first synthesis of 4-chloro-1-hydroxyphenazines

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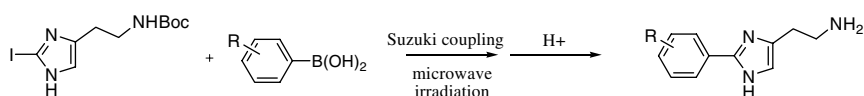
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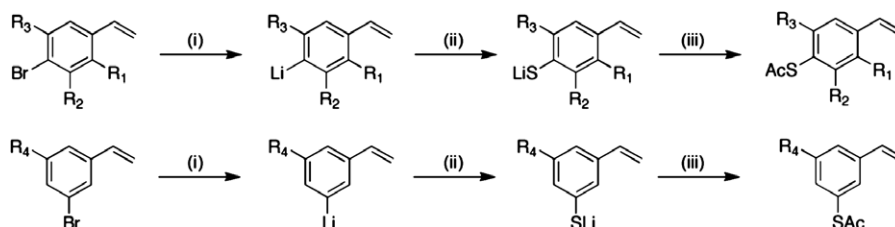
Amanda P. Skoumbourdis, Susanna Moore, Marc Landsman and Craig J. Thomas*



Synthesis and characterization of aryl thioacetyl styrene monomers: towards a new generation of SERS-active polymers

pp 9144–9147

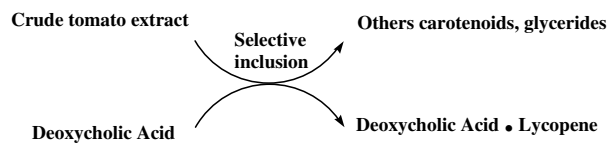
Baker Jawabrah Al-Hourani, Juan P. Bravo-Vasquez, L. R. Hermann High and Hicham Fenniri*



Isolation of lycopene from crude tomato extract via selective inclusion in deoxycholic acid

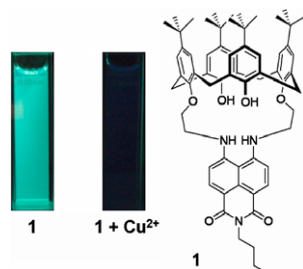
pp 9148–9150

Giancarlo Fantin, Marco Fogagnolo,* Alessandro Medici and Daniela Perrone

**A naphthalimide–calixarene as a two-faced and highly selective fluorescent chemosensor for Cu²⁺ or F⁻**

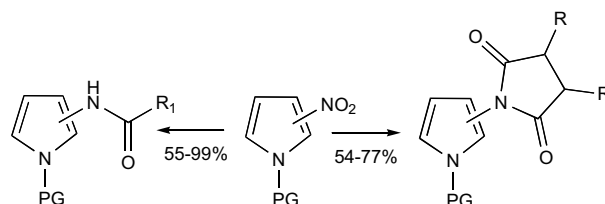
pp 9151–9154

Zhaochao Xu, Suki Kim, Ha Na Kim, Su Jung Han, Chongmok Lee, Jong Seung Kim, Xuhong Qian* and Juyoung Yoon*

**Reductive acylation of 2- and 3-nitropyrroles—efficient syntheses of pyrrolylamides and pyrrolylimides**

pp 9155–9158

Liangfeng Fu and Gordon W. Gribble*

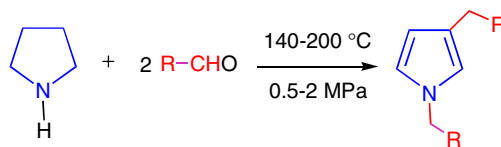


Both 2- and 3-nitropyrroles are reductively acylated under catalytic hydrogenation conditions in the presence of alicyclic and cyclic carboxylic acid anhydrides to afford the corresponding N-acylated aminopyrroles.

A facile non-oxidative method for synthesizing 1,3-disubstituted pyrroles from pyrrolidine and aldehydes

pp 9159–9162

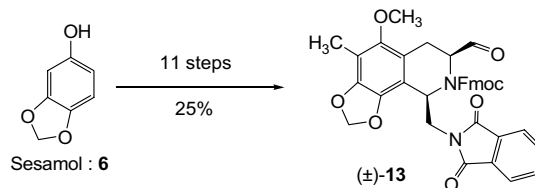
Mitsunori Oda,* Yosuke Fukuchi, Satoshi Ito, Nguyen Chung Thanh and Shigeyasu Kuroda



Without any catalyst !

Synthetic studies towards (±)-phthalascidin 650: synthesis of a fully functionalized N-protected- α -amino-aldehyde pp 9163–9166

Sylvain Aubry, Christian R. Razafindrabe, Benjamin Bourdon, Stéphane Pellet-Rostaing and Marc Lemaire*

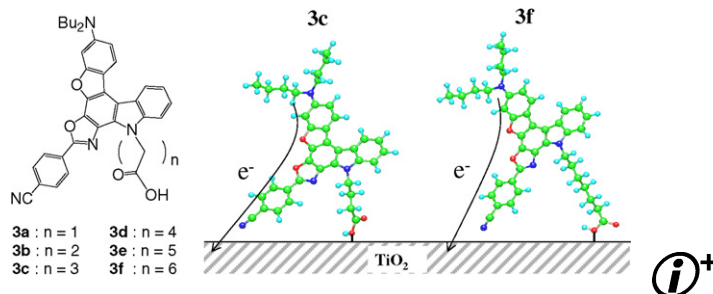


Starting from sesamol **6**, an efficient synthesis of fully functionalized N-protected α -amino-aldehyde (±)-**13** as a synthetic precursor of the tetrahydroisoquinoline alkaloid phthalascidin 650 is reported.

Synthesis of new-type donor–acceptor π -conjugated benzofuro[2,3-*c*]oxazolo[4,5-*a*]carbazole fluorescent dyes and their photovoltaic performances of dye-sensitized solar cells pp 9167–9170

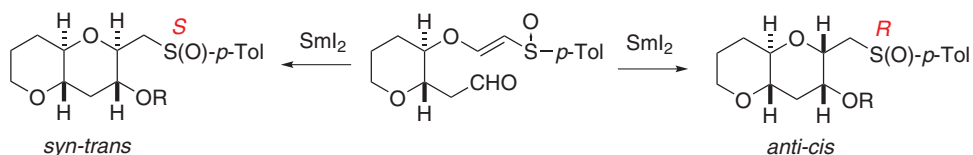
Yousuke Ooyama, Yoshihito Shimada, Yusuke Kagawa, Yuuki Yamada, Ichiro Imae, Kenji Komaguchi and Yutaka Harima*

New-type donor–acceptor π -conjugated organic sensitizers for dye-sensitized solar cells, benzofuro[2,3-*c*]oxazolo[4,5-*a*]carbazole fluorescent dyes with various lengths of non-conjugated alkyl chains containing a carboxyl group at the end position, have been developed.



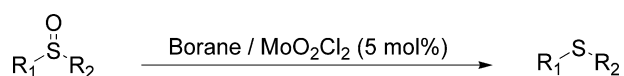
SmI₂-induced reductive cyclization of optically active β -alkoxyvinyl sulfoxides with aldehyde pp 9171–9175

Tomohiro Kimura, Mayumi Hagiwara and Tadashi Nakata*



Reduction of sulfoxides with boranes catalyzed by MoO₂Cl₂ pp 9176–9179

Ana C. Fernandes* and Carlos C. Romão

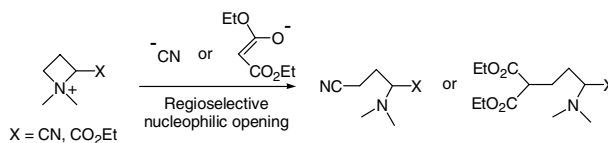


The dioxomolybdenum dichloride, MoO₂Cl₂, proved to be an excellent catalyst for the reduction of sulfoxides with boranes.

Opening of azetidinium ions with C-nucleophiles

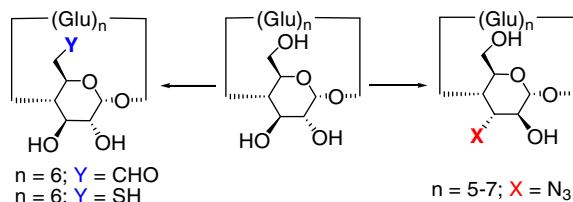
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François Couty,* Olivier David and Bruno Drouillat

**Efficient regioselective functionalizations of cyclodextrins carried out under microwaves or power ultrasound**

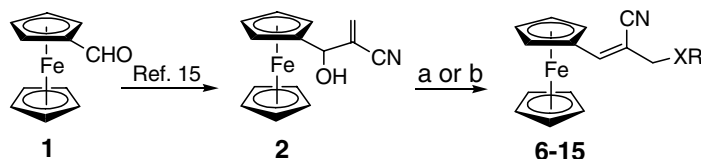
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Katia Martina, Francesco Trotta, Bruna Robaldo, Nikka Belliardi, László Jicsinszky and Giancarlo Cravotto*

**A facile and efficient stereoselective synthesis of highly functionalised trisubstituted alkene derivatives of ferrocenealdehyde**

pp 9190–9194

Ponnusamy Shanmugam,* Vadivel Vaithyanathan, Baby Viswambharan and Suchithra Madhavan

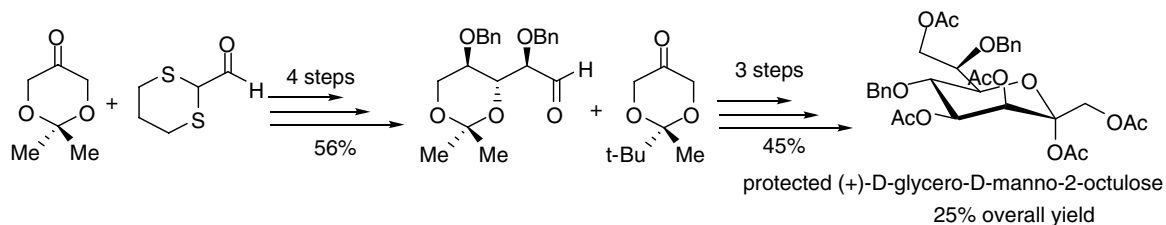


X = O, C; R = Me, Bn, propargyl, homopropargyl, 2-but-2-yne-1,4-diol

a. ROH, 50% w/w Mont.K10, CH₃CN, reflux; b. ROH, 50% w/w Mont.K10, μw, 10 min**Building carbohydrates on the dioxanone scaffold: stereoselective synthesis of D-glycero-D-manno-2-octulose**

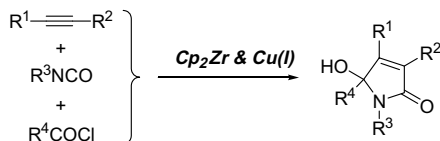
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Nagarjuna Palyam, Izabella Niewczas and Marek Majewski*



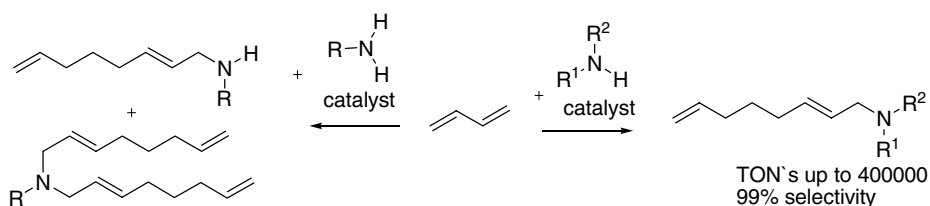
Intermolecular coupling of alkynes, isocyanates, and acyl chlorides: an efficient method for the synthesis of 5-hydroxypyrrol-2(5H)-ones pp 9199–9202

Ken-ichiro Kanno, Shenyong Ren, Yanzhong Li, Kiyohiko Nakajima and Tamotsu Takahashi*

**Efficient catalysts for telomerization of butadiene with amines**

pp 9203–9207

Anne Grotevendt, Maribel Bartolome, David J. Nielsen, Anke Spannenberg, Ralf Jackstell, Kingsley J. Cavell, Luis A. Oro and Matthias Beller*



Pd/NHC catalysts show unprecedented high catalyst efficiency in telomerization reactions of 1,3-butadiene with amines.

*Corresponding author

Supplementary data available via ScienceDirect

Available online at www.sciencedirect.com

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