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# Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

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## IN THIS ISSUE

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**Cover**
See Žan Testen and Marjan Jereb, pp. 2012–2020.

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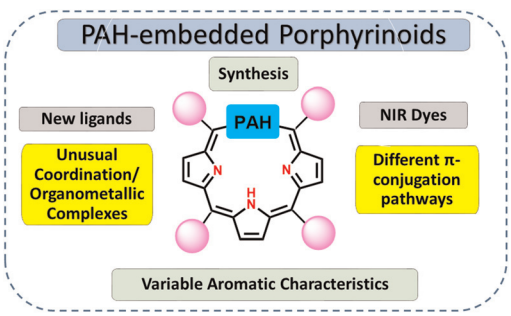
## REVIEWS

1932

**Porphyrinoid framework embedded with polycyclic aromatic hydrocarbons: new synthetic marvels**

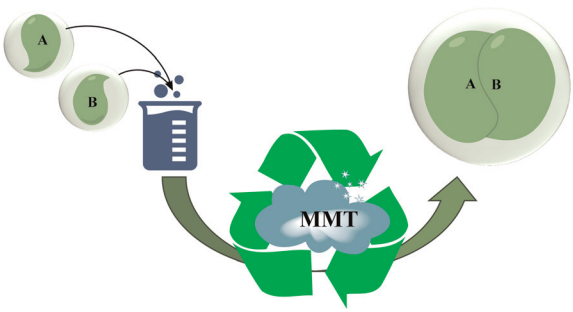
Bharti Yadav and Mangalampalli Ravikanth*




1961

**Montmorillonite-catalysed coupling reactions: a green overview**

Suresh Meenakshy, Mohan Neetha and Gopinathan Anilkumar*



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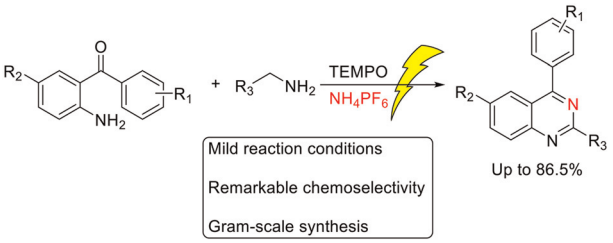
## COMMUNICATIONS

1983

**A TEMPO promoted tandem reaction of 2-aminobenzophenones and benzylamines under electrochemical conditions**

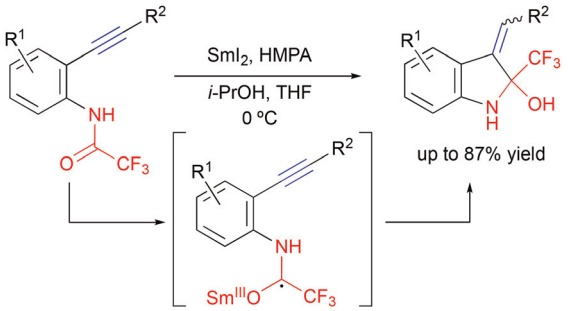
Yu Wang, Yekai Huang,* Yanan Li, Kuiliang Li and Zaigang Luo




1988

**A $SmI_2$-mediated reductive cyclisation reaction using the trifluoroacetamide group as the radical precursor**

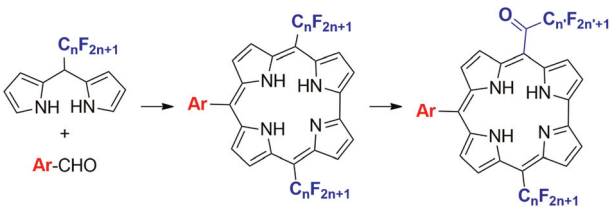
Kota Yoshioka, Hiroki Iwasaki,* Mako Hanaki, Saho Ito, Yuzuha Iwamoto, Rio Ichihara and Hisanori Nambu




1993

**Two-step access to bis-*meso*-perfluoroalkyl-corroles towards *meso*-perfluoroacyl-ABC-corroles**

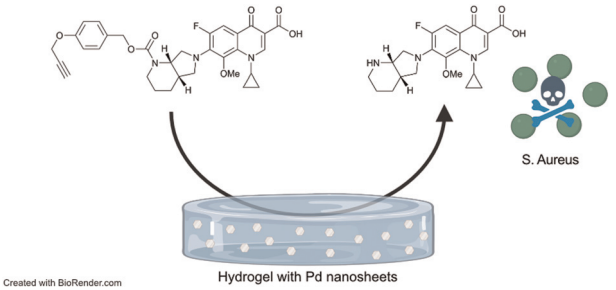
Paul-Gabriel Julliard, Simon Pascal, Olivier Siri, Michel Giorgi, Diego Cortés-Arriagada, Luis Sanhueza* and Gabriel Canard*




1998

**A Pd-labile fluoroquinolone prodrug efficiently prevents biofilm formation on coated surfaces**

Josef Braun, M. Carmen Ortega-Liebana, Asier Unciti-Broceta and Stephan A. Sieber*



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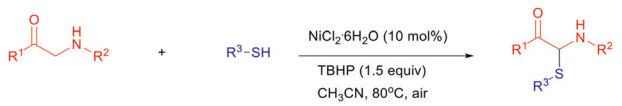
## COMMUNICATIONS

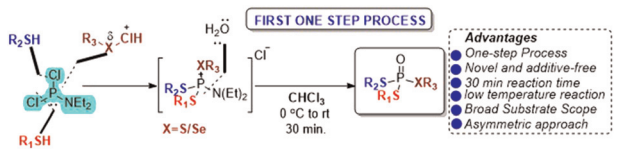
2003




### Nickel-catalyzed oxidative thiolation of α-amino carbonyl compounds with thiols

Gaoqiang Li,* Xiaoqian Zhao, Jiarui Zhang, Xue Liu, Bangguo Sun and Feng Xu*

2007

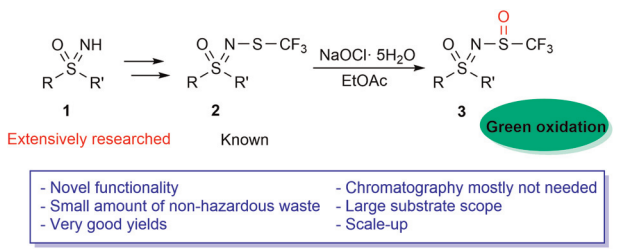



### Synthesis of unsymmetric phosphorotrithioates by sequential coupling of 1,1-dichloro-*N*,*N*-diethylphosphanamine with thiols and sulfenyl chloride

Feroze Hussain, Sheena Mahajan, Sajjad Ahmed and Qazi Naveed Ahmed*

## PAPERS

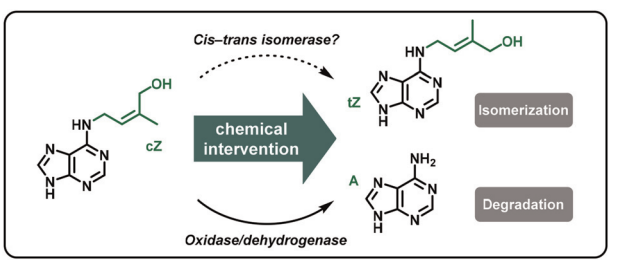
2012




### Oxidation of *N*-trifluoromethylthio sulfoximines using NaOCl·5H$_2$O

Žan Testen and Marjan Jereb*

2021




### Flavin mononucleotide regulated photochemical isomerization and degradation of zeatin

Xin Sun, Jiang-Zhe Zhao, Chuan-Shuo Wu, Ke-Wei Zhang* and Liang Cheng*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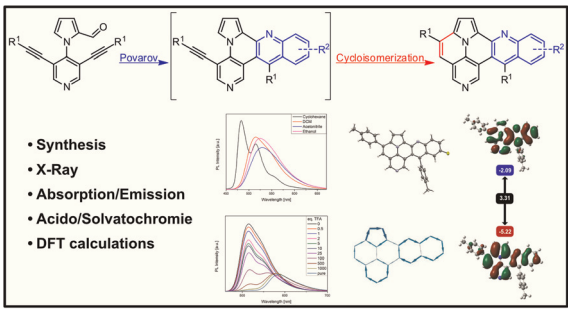
2027

**π-Expanded azaullazines: synthesis of quinolino-azaullazines by Povarov reaction and cycloisomerisation**

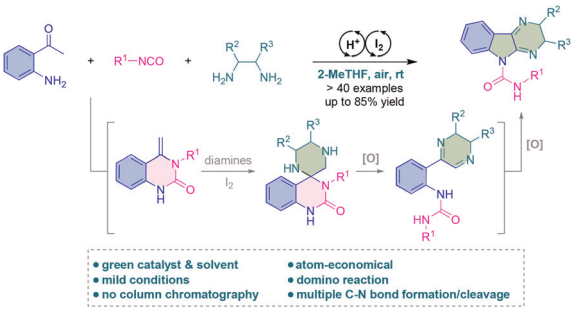
Jonas Polkaehn, Richard Thom, Peter Ehlers, Alexander Villinger and Peter Langer*




2043

**Metal-free construction of dihydropyrazino[2,3-*b*] indoles from 2-aminoacetophenones, isocyanates and 1,2-diamines**

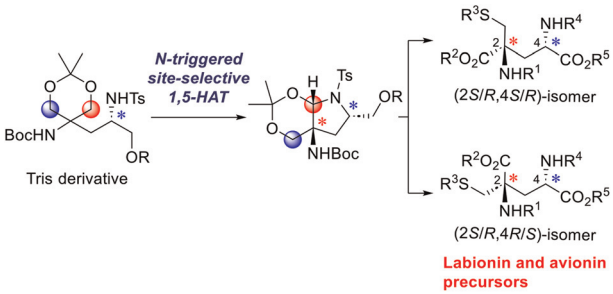
Jingxi Fang, Jiayao Fang, Yingbo Rao, Huanyi Qiu, Zhentao Pan* and Yongmin Ma*




2049

**Synthesis of labionin and avionin precursors *via* a nitrogen-centred-radical-triggered 1,5-HAT reaction of Tris derivatives**

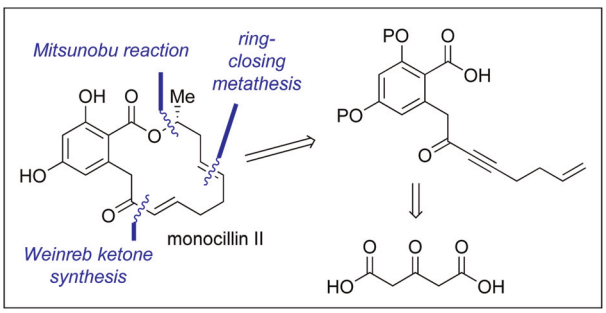
Ayuta Yamaguchi, Naoki Obiya, Norihito Arichi, Shinya Oishi, Hiroaki Ohno* and Shinsuke Inuki*




2056

**Total synthesis of 14-membered ring β-resorcylic acid lactone (+)-monocillin II**

Naoki Kokaji, Naru Ishikura, Akinobu Matsuzawa, Shogo Kamo and Kazuyuki Sugita*



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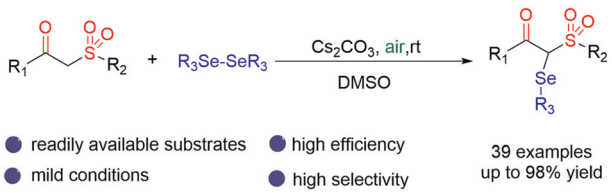
## PAPERS

2059

**A Theoretical Study on Radical Scavenging Activity of Phenolic Derivatives Naturally Found within *Alternaria alternata* Extract**

Alen Binu Abraham, Murugesan Panneerselvam, Cheriyan Ebenezer, Luciano T. Costa and Rajadurai Vijay Solomon*

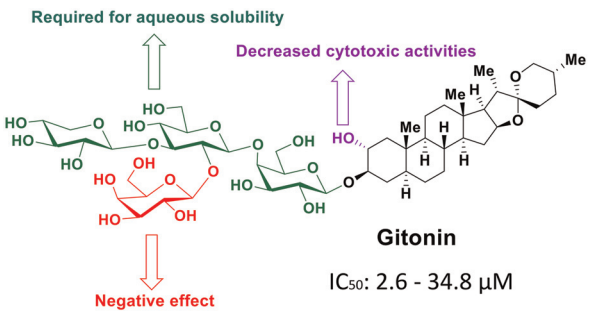
2075




**Transition metal-free C(sp$^3$)–H selenation of β-ketosulfones**

Dilshat Abdukerem, Hui Chen, Zechuan Mao, Kun Xia, Wenli Zhu, Changhong Liu, Yuming Yu and Ablimit Abdukader*

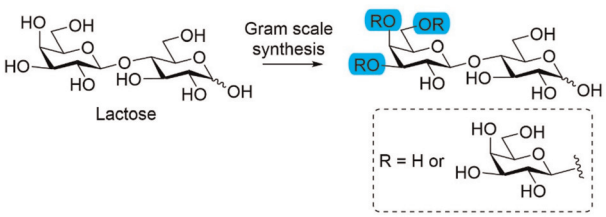
2081




**Total synthesis and cytotoxicity evaluation of the spirostanol saponin gitonin**

Yong Li, Xun Lv, Jun Liu* and Yuguo Du*

2091




**Gram-scale chemical synthesis of galactosyllactoses and their impact on infant gut microbiota *in vitro***

Evy Meeusen, Linqiu Cao, Dianne J. Delsing, Andre Groeneveld, Margreet Heerikhuisen, Frank Schuren and Thomas J. Boltje*



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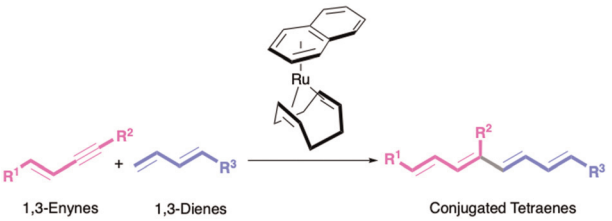
## PAPERS

2098

**Direct synthesis of conjugated tetraenes from 1,3-enynes with 1,3-dienes**

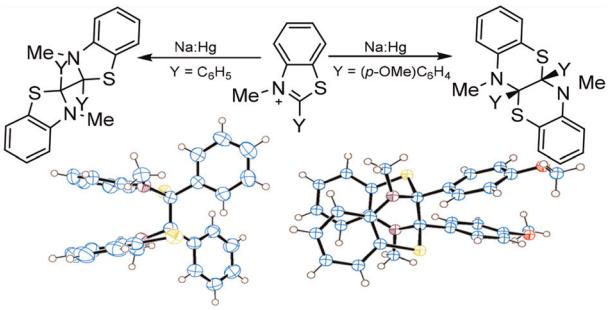
Kanako Maekawa, Nobuyuki Komine, Sayori Kiyota and Masafumi Hirano*




2115

**Reductive dimerization of benzothiazolium salts**

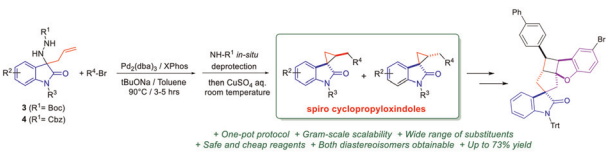
Aijaz Shaikh, Satyajit Sahoo, Seth R. Marder, Stephen Barlow and Swagat K. Mohapatra*



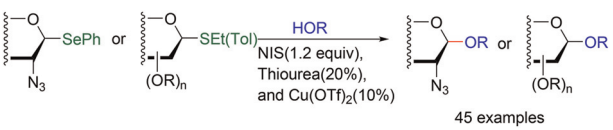

2124

**Alkene carboamination/oxidative denitrogenation of 3-allyl-3-hydrazinylindolin-2-ones: one-pot entry to spirocyclopropyloxindoles**

Marco Manenti,* Tommaso Villa, Giovanni Macetti and Alessandra Silvani




2137

**Thiourea-Cu(OTf)$_2$/NIS-synergistically promoted stereoselective glycoside formation with 2-azidoselenoglycosides or thioglycosides as donors**

Zuowa Li, Wenyan Shen, Changyu Cao, Zhaoyan Wang, Yaosheng Zhang and Weihua Xue*