

Organic & Biomolecular Chemistry

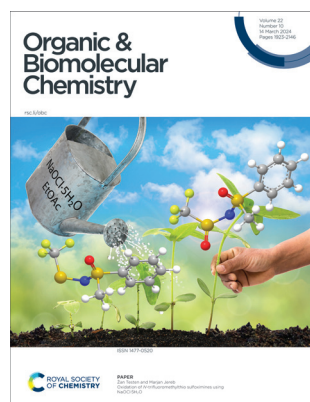
An international journal of synthetic, physical and biomolecular organic chemistry

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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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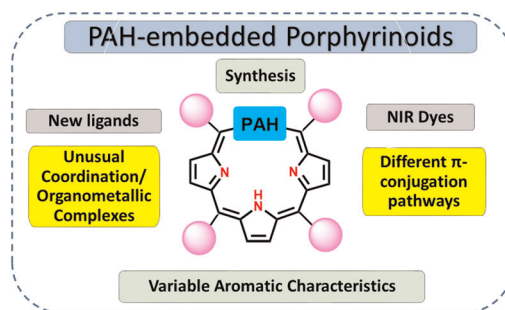
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REVIEWS

1932

Porphyrinoid framework embedded with polycyclic aromatic hydrocarbons: new synthetic marvels

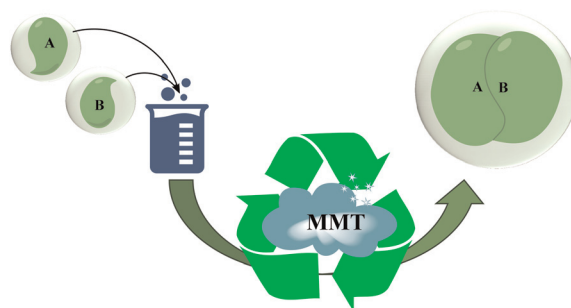
Bharti Yadav and Mangalampalli Ravikanth*



1961

Montmorillonite-catalysed coupling reactions: a green overview

Suresh Meenakshy, Mohan Neetha and Gopinathan Anilkumar*



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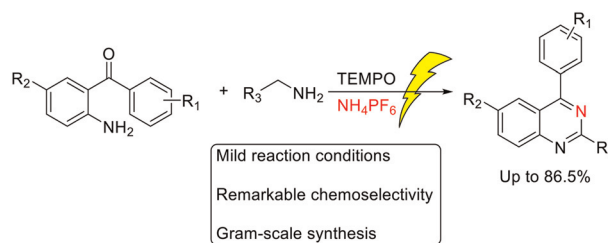


COMMUNICATIONS

1983

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

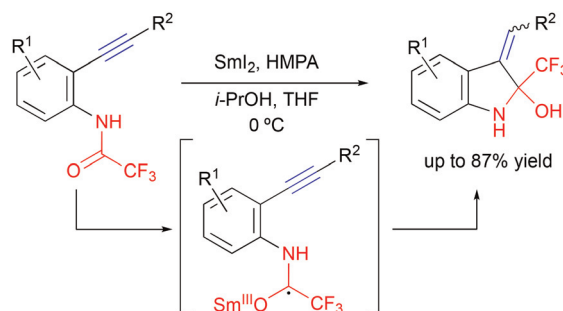
Yu Wang, Yekai Huang,* Yanan Li, Kuiliang Li and Zaigang Luo



1988

A SmI₂-mediated reductive cyclisation reaction using the trifluoroacetamide group as the radical precursor

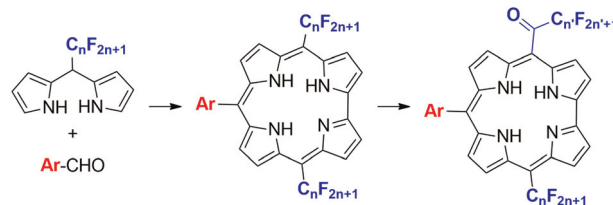
Kota Yoshioka, Hiroki Iwasaki,* Mako Hanaki, Saho Ito, Yuzuha Iwamoto, Rio Ichihara and Hisanori Nambu



1993

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

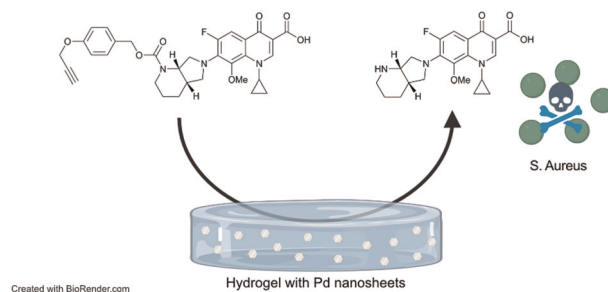
Paul-Gabriel Julliard, Simon Pascal, Olivier Siri, Michel Giorgi, Diego Cortés-Arriagada, Luis Sanhueza* and Gabriel Canard*



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*

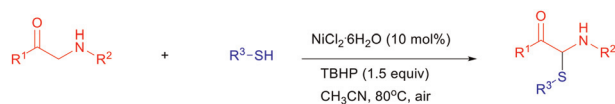


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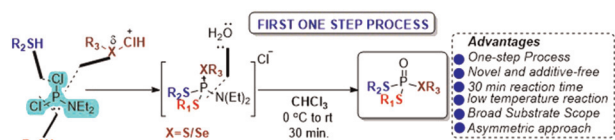
COMMUNICATIONS

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*

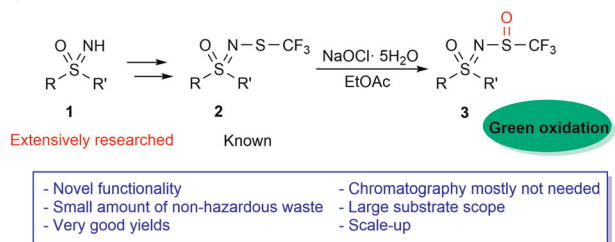
2007

Synthesis of unsymmetric phosphorotritioates by sequential coupling of 1,1-dichloro-*N,N*-diethylphosphoramidate with thiols and sulfonyl chloride

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

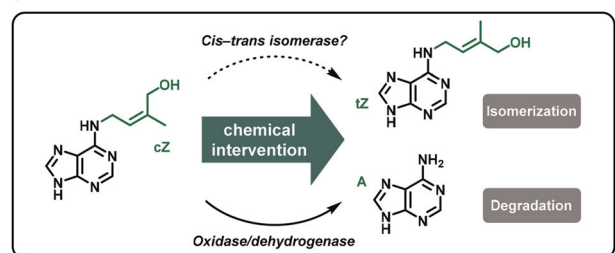
PAPERS

2012

Oxidation of *N*-trifluoromethylthio sulfoximines using NaOCl·5H₂O

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*

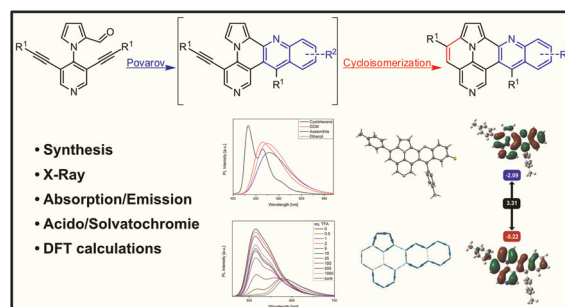


PAPERS

2027

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

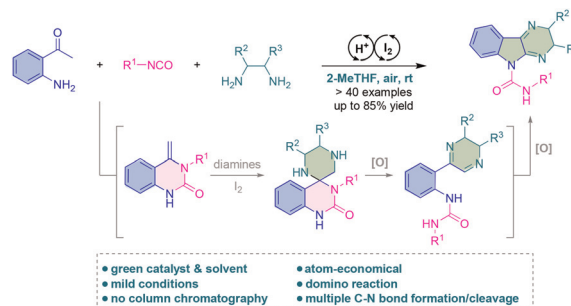
Jonas Polkaehn, Richard Thom, Peter Ehlers, Alexander Villinger and Peter Langer*



2043

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

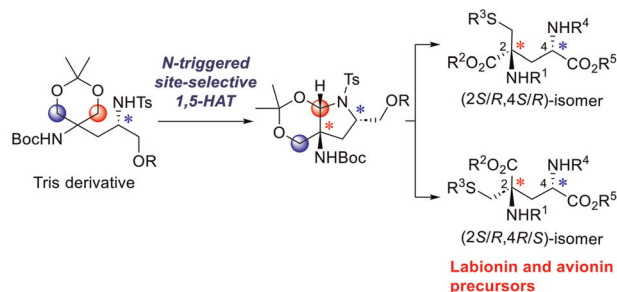
Jingxi Fang, Jiayao Fang, Yingbo Rao, Huanyi Qiu, Zhentao Pan* and Yongmin Ma*



2049

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

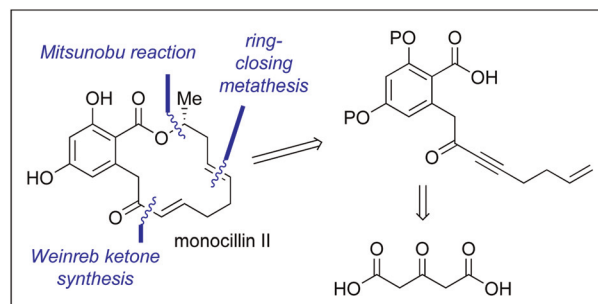
Ayuta Yamaguchi, Naoki Obiya, Norihito Arichi, Shinya Oishi, Hiroaki Ohno* and Shinsuke Inuki*



2056

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

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



PAPERS

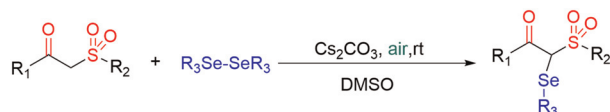
2059



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



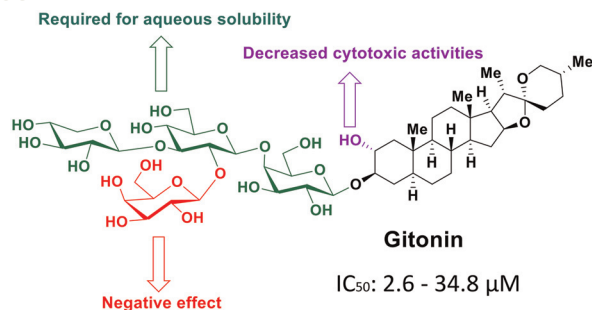
- readily available substrates
- mild conditions
- high efficiency
- high selectivity

39 examples
up to 98% yield

Transition metal-free C(sp³)-H selenation of β -ketosulfones

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

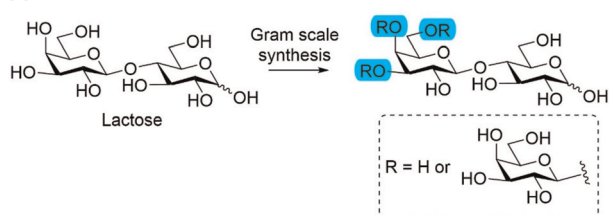
2081



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*

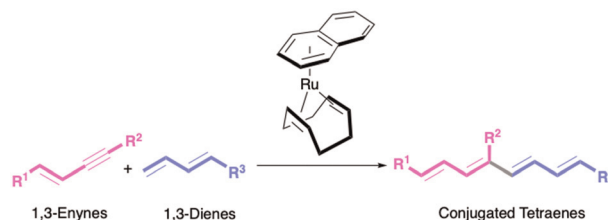


PAPERS

2098

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

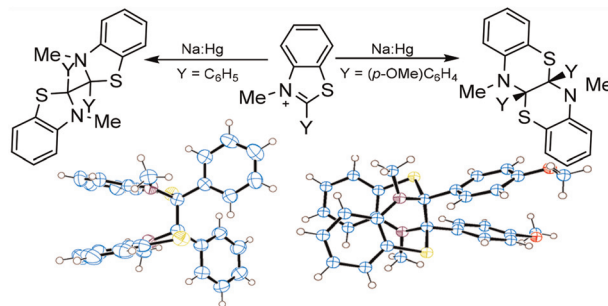
Kanako Maekawa, Nobuyuki Komine, Sayori Kiyota and Masafumi Hirano*



2115

Reductive dimerization of benzothiazolium salts

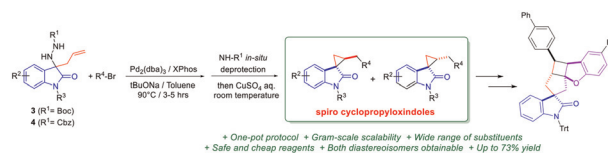
Aijaz Shaikh, Satyajit Sahoo, Seth R. Marder, Stephen Barlow and Swagat K. Mohapatra*



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*

