

Organic & Biomolecular Chemistry

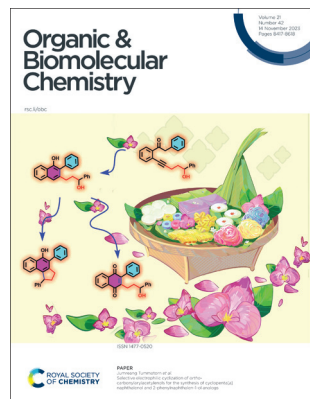
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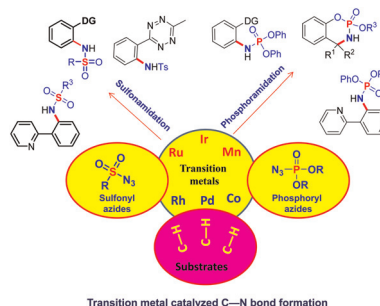
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REVIEW

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Recent advances in metal directed C–H amidation/amination using sulfonyl azides and phosphoryl azides

M. V. Krishna Rao, Shaik Kareem, Shaik Ramjan Vali and
B. V. Subba Reddy*

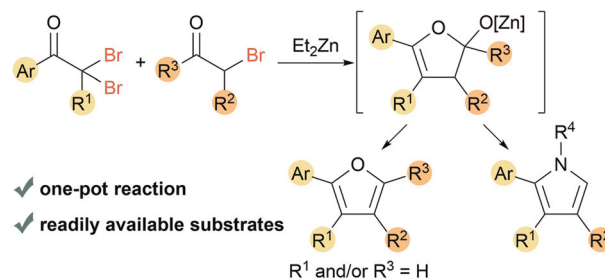


COMMUNICATIONS

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One-pot furan synthesis through diethylzinc-mediated coupling reaction between two α -bromocarbonyl compounds

Ryo Hikima, Aika Takeshima and Taichi Kano*



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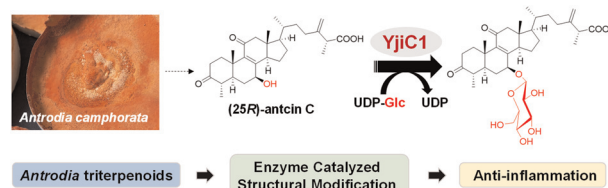


COMMUNICATIONS

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Regio-specific enzymatic glucosylation of triterpenoids from *Antrodia camphorata* and their biological activities

Hui-Fei Su, Bin Li, Yang Yi, Meng Zhang, Rong Yu, Yang-Oujie Bao, Kuan Chen and Min Ye*



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Visible light induced regioselective C-3 thiocyanation of imidazoheterocycles through naphthalimide dye based photoredox catalysis

Pallavi Saha, Rohit Kumar, Samarpita Das, Toufik Ansari, Arindam Indra and Deepak K. Sharma*

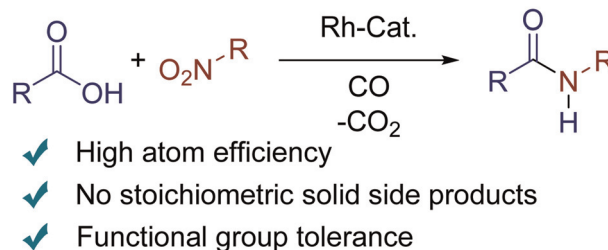


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Reductive coupling of nitroarenes with carboxylic acids – a direct route to amide synthesis

Mikhail A. Losev, Andrey S. Kozlov, Vladimir B. Kharitonov, Oleg I. Afanasyev, Fedor S. Kliuev, Ludmila A. Bulygina, Natalya S. Khrushcheva, Dmitry A. Loginov and Denis Chusov*

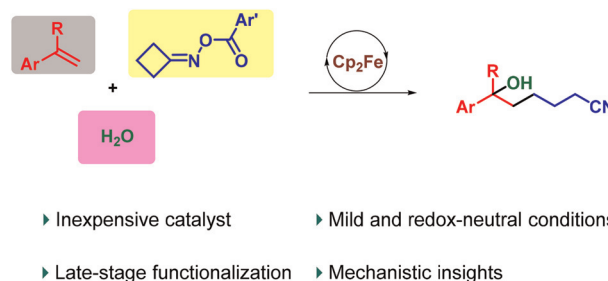
Straightforward way to amides



8482

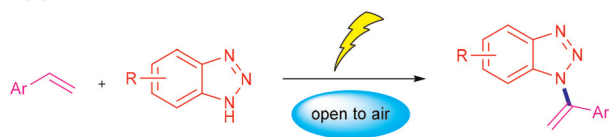
Ferrocene catalyzed carbohydroxylation of alkenes using H₂O and cycloketone oxime esters

Sriram Ajmeera, Durga Golagani and Srirama Murthy Akondi*



COMMUNICATIONS

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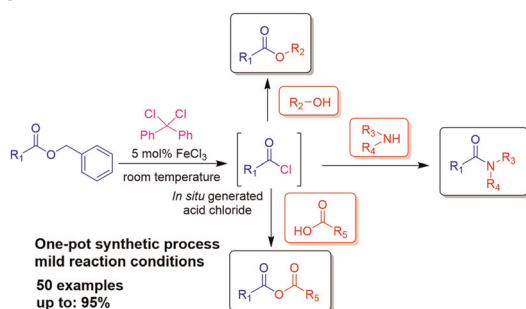


- mild and green conditions
- insensitive to air
- atomic economy
- suitable for structurally diverse benzotriazoles
- metal/oxidant-free

Electrochemical C(sp²)–H/N–H “formal” cross-dehydrogenative coupling of olefins with benzotriazoles for synthesis of *N*-vinyl benzotriazoles

Jin-Feng Lv, Yu-Fang Tan, Ya-Nan Zhao, Dan Yang, Yan-Hong He* and Zhi Guan*

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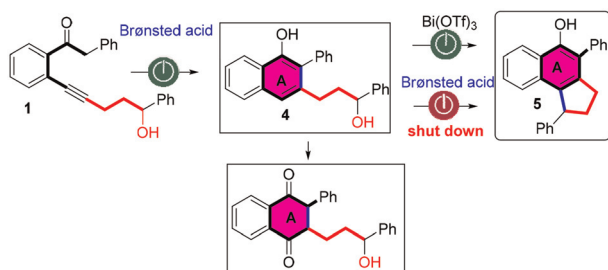


Direct transformation of benzyl esters into esters, amides, and anhydrides using catalytic ferric(III) chloride under mild conditions

Van Hieu Tran, Truong Giang Luu, Anh Thu Nguyen and Hee-Kwon Kim*

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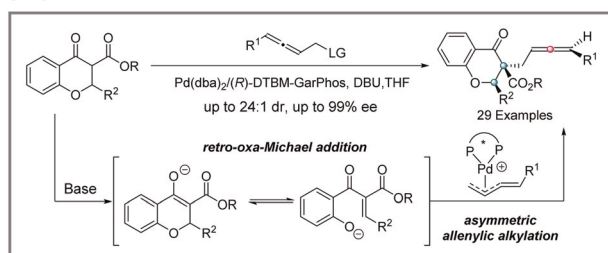
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Selective electrophilic cyclization of *ortho*-carbonylarylacetylenols for the synthesis of cyclopenta[*a*]naphthalenol and 2-phenylnaphthalen-1-ol analogs

Jantra Jantrapirom, Phornphan Yongpanich, Jumreang Tummatorn,* Kittipong Chainok, Suwadee Jiajaroen, Charnsak Thongsornkleeb and Somsak Ruchirawat

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Palladium-catalyzed stereoselective construction of chiral allenes bearing nonadjacent axial and two central chirality

Li-Xia Liu, Wen-Jun Huang, Chang-Bin Yu* and Yong-Gui Zhou*

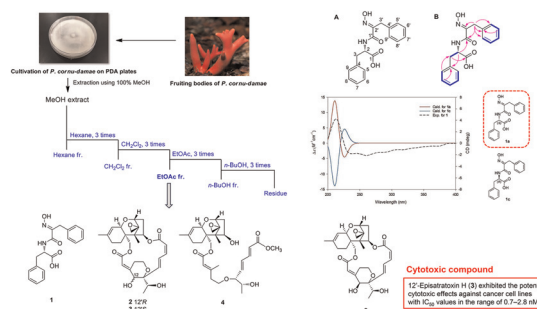


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N-Hydroxy-Phe-Phe, a new dipeptide, and cytotoxic macrocyclic trichothecenes from the lethal toxic mushroom *Podostroma cornu-damae*

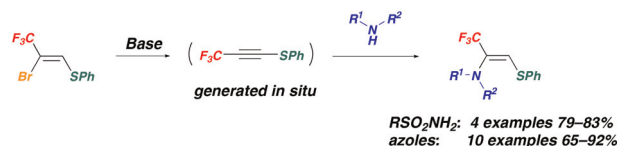
Bum Soo Lee, Su Myung Jung, Rhim Ryoo, Sang Un Choi, Seongpil An* and Ki Hyun Kim*



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Highly regio- and stereocontrolled preparation of α -(trifluoromethyl)- β -(phenylthio) enamines by the hydroamination of *in situ*-synthesized 1-(trifluoromethyl)-2-(phenylthio)ethyne

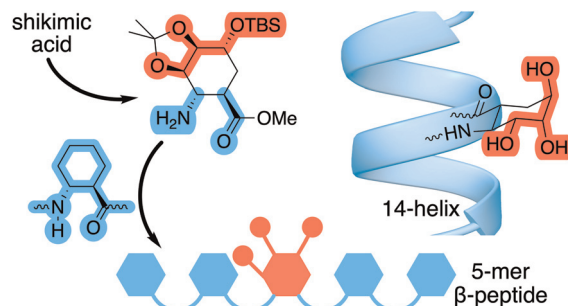
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β -Peptides incorporating polyhydroxylated cyclohexane β -amino acid: synthesis and conformational study

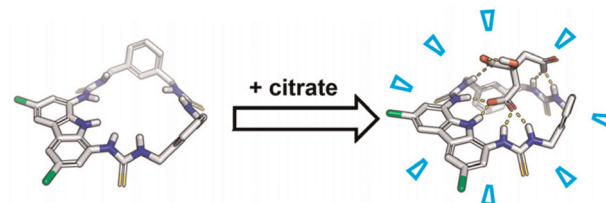
David Reza, Rosalino Balo, José M. Otero, Ai M. Fletcher, Rebeca García-Fandino, Víctor M. Sánchez-Pedregal, Stephen G. Davies, Ramón J. Estévez and Juan C. Estévez*



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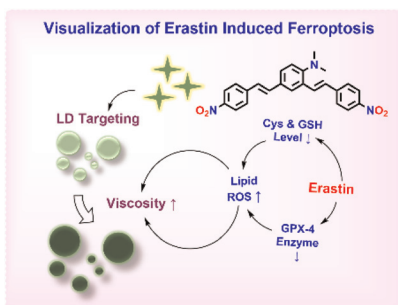
A macrocyclic fluorescent probe for the detection of citrate

Stephen M. Butler, Maria Hountondji, Stuart N. Berry, Jian Tan, Laurence Macia and Katrina A. Jolliffe*



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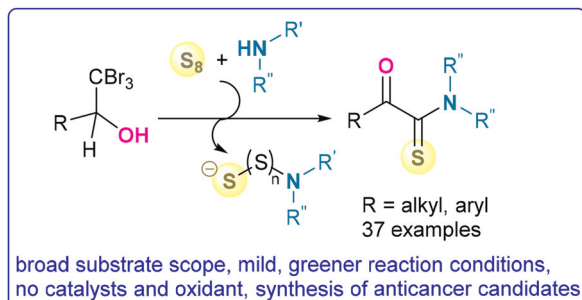
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Improved lipophilic probe for visualizing lipid droplets in erastin-induced ferroptosis

Deeksha Rajput, Paramasivam Mahalingavelar, Virupakshi Soppina* and Sriram Kanvah*

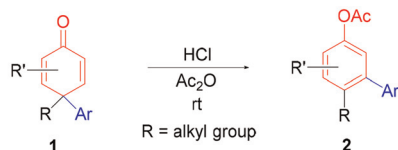
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Nucleophilic sulfur controlled efficient ketothioamide synthesis from tribromomethyl carbinols

Shubham Tiwari, Sandeep Chandrashekharappa and Guddeangadi N. Gururaja*

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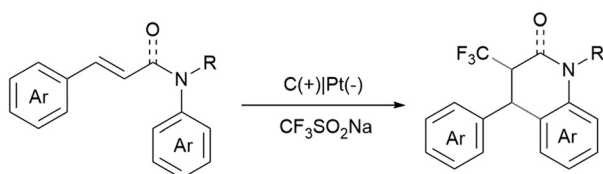
Synthesis of *meta*-arylphenol derivatives via acid-promoted rearrangement of cyclohexadienones

Hongyan Xie, Minxiang Zhang, Xueyu Fang, Zhaohua Yan* and Hua Yao*

- readily accessible starting materials
- high yields, up to 94% yield
- metal-free and mild reaction conditions
- high selectivity when R = Me
- preparing polysubstituted *meta*-arylphenol derivatives

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Trifluoromethylation/C(sp²)-H annulation



Electrochemical trifluoroalkylation/annulation for the synthesis of CF₃-functionalized tetrahydroquinolines and dihydroquinolinones

Hao-Zeng Wu, Zhong-Shan Teng, Yu-Xin Ke, Yu Zou, Ping Gao, Yue Li, Cheng-He Zhou and Zhong-Lin Zang*

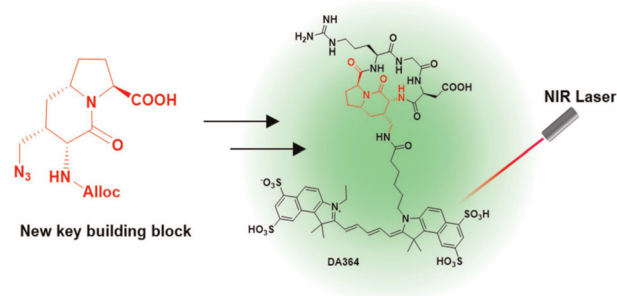


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Improved synthesis of DA364, an NIR fluorescence RGD probe targeting $\alpha_v\beta_3$ integrin

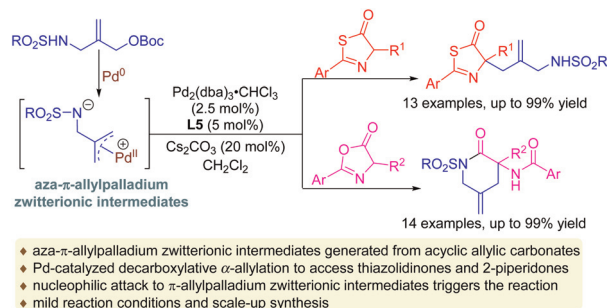
Rachele Maschio, Federica Buonsanti, Federico Crivellin, Fulvio Ferretti, Luciano Lattuada*, Federico Maisano, Laura Orio, Lorena Pizzuto, Raphael Campanella, Anthony Clouet, Camilla Cavallotti and Giovanni B. Giovenzana*



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Palladium-catalyzed decarboxylative α -allylation of thiazolidinones and azlactones with sulfonamido-substituted acyclic allylic carbonates

Han-Wen Rao, Tian-Lan Zhao, Long Wang, Hong-Dan Deng, Yan-Ping Zhang, Yong You, Zhen-Hua Wang, Jian-Qiang Zhao* and Wei-Cheng Yuan*



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Transition metal-free regioselective direct acylation of quinazolines for the synthesis of acylquinazoline derivatives

Wei Chen, Jingjun Fang, Jian Huang, Qin Yang, Zhibin Song, Qiuping Ding, Hongming Wang and Yiyuan Peng*

