

Organic & Biomolecular Chemistry

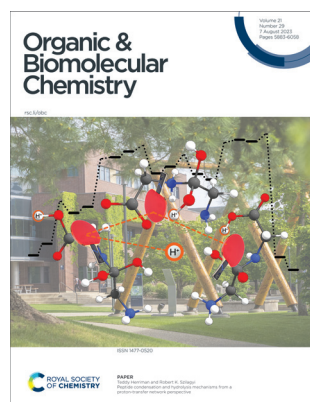
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Cover

See Teddy Herriman and Robert K. Szilagyi, pp. 5953–5963.

The authors work on the traditional, unceded territory of the Syilx Okanagan peoples. Photo by UBC Okanagan, with thanks to Syilx artist Les Louis.

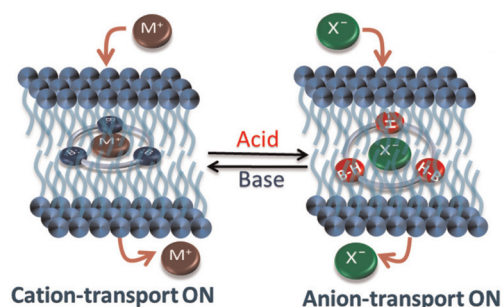
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REVIEWS

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Small molecule-derived pH-gated ion transporters

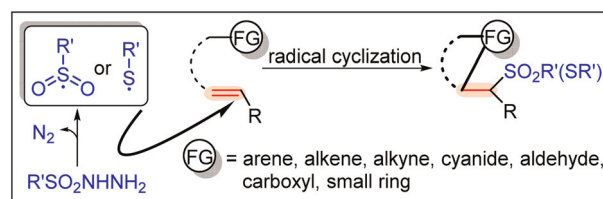
Narendra Kumar and Nandita Madhavan*



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Applications of sulfonyl hydrazides in radical cyclization of alkenes

Rongnan Yi, Ling-Tao Wang, Junhao Chen, Wen-Ting Wei and Ke-Wei Lei*



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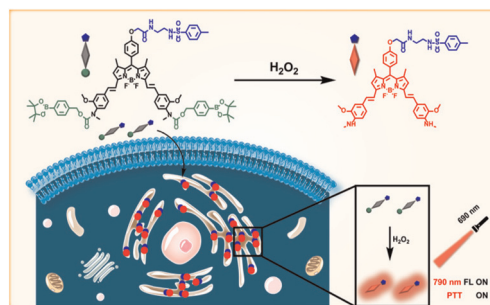


COMMUNICATIONS

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An activatable endoplasmic reticulum-targeted probe for NIR imaging-guided photothermal therapy

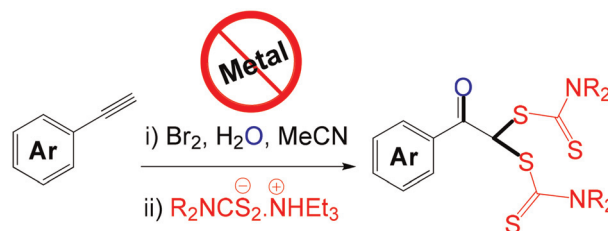
Rui Chen, Rongchen Wang, Jie Sun, Xuemei Dong, Chengjun Dong, Lixin Sun, Xianfeng Gu* and Chunchang Zhao*



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Metal-free trifunctionalization of phenylacetylenes: an efficient one-pot two-step synthesis of *gem*-bis(dithiocarbamates)

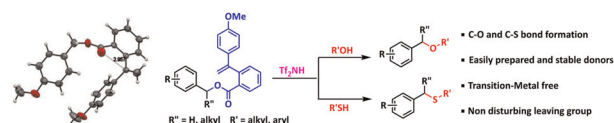
Manas Mondal, Debajyoti Saha* and Amit Saha*



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ortho-[1-(*p*-MeOPhenyl)vinyl]benzoate PMPVB as a recyclable auxiliary for C–O and C–S bond formation reactions under Brønsted acid catalysis

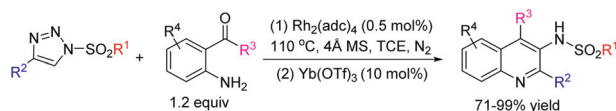
Sangay Moktan, Mahendra K. V. Rotta, Suvendu Halder, Priyanka Pradhan and Pavan K. Kancharla*



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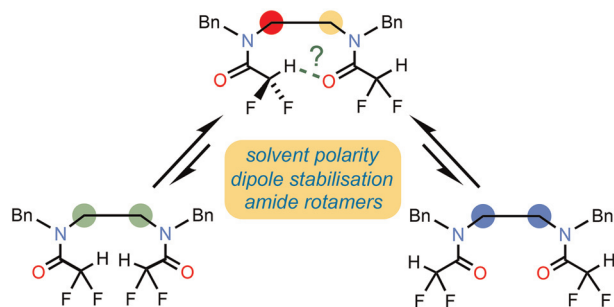
Synthesis of 3-aminoquinolines from α -imino rhodium carbenes and 2-aminobenzaldehydes

Jiani Li, Jing Feng, Tao Chen, Ze-Feng Xu* and Chuan-Ying Li*



COMMUNICATIONS

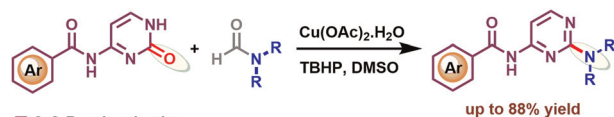
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Conformational preference in difluoroacetamide oligomers: probing the potential for foldamers with C–H...O hydrogen bonds

Matej Žabka and Jonathan Clayden*

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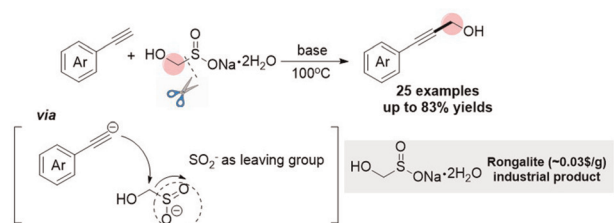


- C–O Bond activation
- Chemoselective amination
- Formamides as amino source
- Excellent yields

Copper-catalysed chemoselective C–OH bond activation of *N*-benzoyl cytosine: facile access to 2-(dimethylamino)pyrimidine

Sujeet Gaware, Rana Chatterjee, Anant R. Kapdi and Rambabu Dandela*

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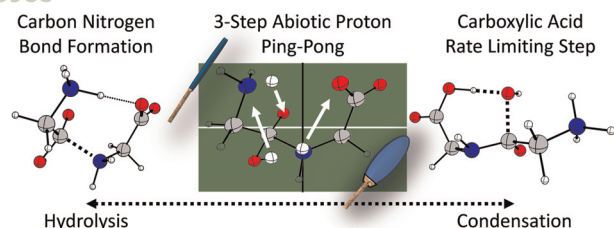


Synthesis of primary propargylic alcohols from terminal alkynes using rongalite as the C1 unit

Miao Wang,* Shan Jiang, Xin-Xin Lu, Kun Zhang, Zi-Yi Yuan, Rui-Li Xu, Bang-Tun Zhao* and An-Xin Wu*

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Peptide condensation and hydrolysis mechanisms from a proton-transfer network perspective

Teddy Herriman and Robert K. Szilagyi*

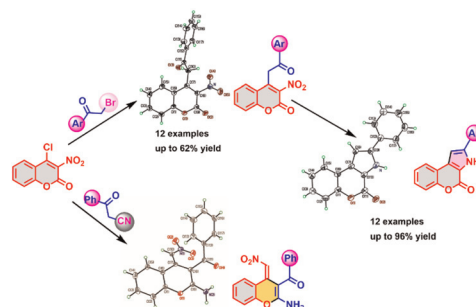


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4-Chloro-3-nitrocoumarin as a precursor for synthesis of 2-arylchromeno[3,4-*b*]pyrrol-4(3*H*)-ones: a case of nitro group directed reductive coupling

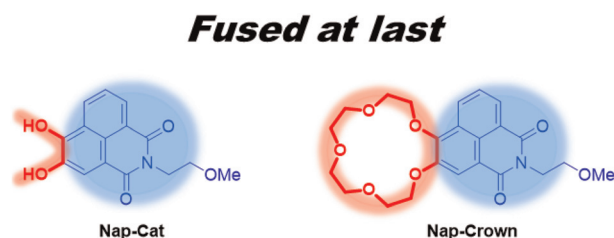
Balasubrahmanya K. Sathyanarayana, Kiran B. Manjappa* and Ding-Yah Yang*



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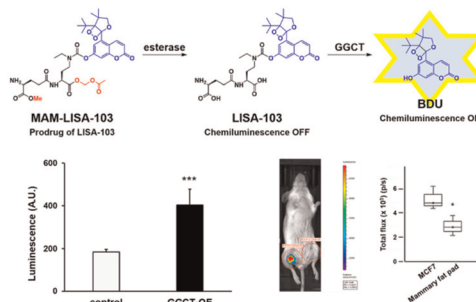
Elley E. Rudebeck, Trent D. Ashton, Adam F. Henwood, Thorfinnur Gunnlaugsson and Frederick M. Pfeffer*



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Development of an activity-based chemiluminogenic probe for γ -glutamylcyclotransferase

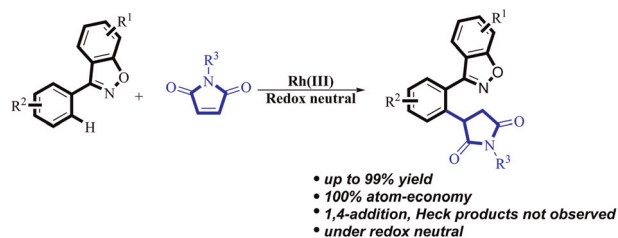
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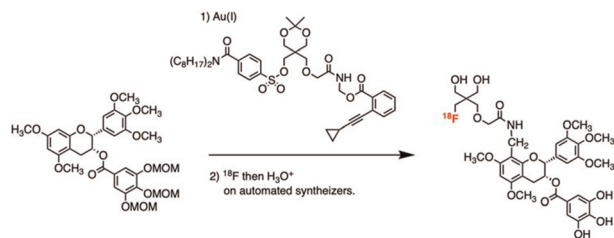
Rhodium(III)-catalysed redox neutral alkylation of 3-arylbenzo[d]isoxazoles: easy access to substituted succinimides

Xuelin Yue, Xiang Zhao, Junwei Huang, Yijie Gao, Yadong Feng and Xiuling Cui*



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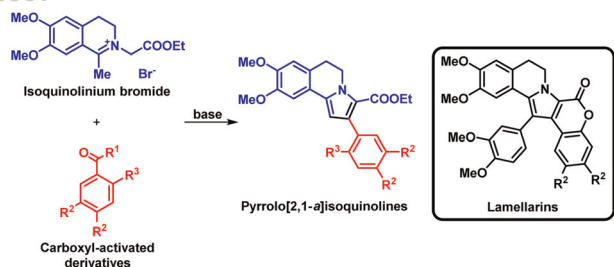
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A gold-complex initiated functionalization of biologically active polyphenols applied to a ¹⁸F-labeled chemical probe

Ziyun Liu, Yuki Fukagawa, Masaharu Yamano, Tetsuro Tago, Kumiko Iwai, Keiichi Hirano, Motofumi Kumazoe, Hirofumi Tachibana, Jun Toyohara and Hiroshi Tanaka*

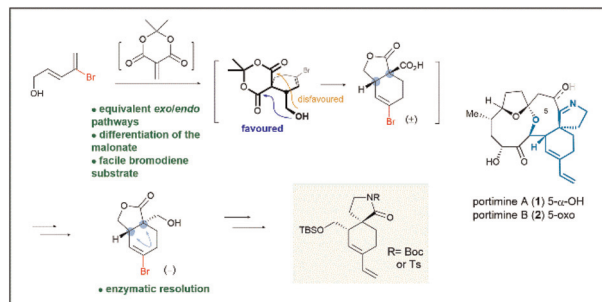
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Urtė Šachlevičiūtė, Neringa Kleizienė, Aurimas Bieliauskas, Algirdas Šačkus* and Till Opatz*

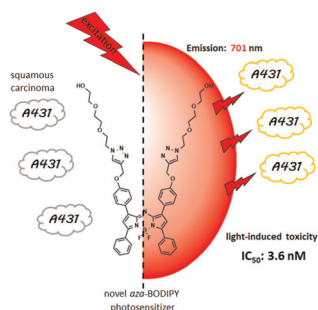
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Synthesis of the spiroimine fragment of portimines A and B

Xiao-Bo Ding, Alexander Wung, Daniel P. Furkert and Margaret A. Brimble*

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Synthesis and *in vitro* photodynamic activity of aza-BODIPY-based photosensitizers

Tamás Hlogyik, Réka Laczkó-Rigó, Éva Bakos, Miklós Poór, Zoltán Kele, Csilla Özvegy-Laczka* and Erzsébet Mernyák*

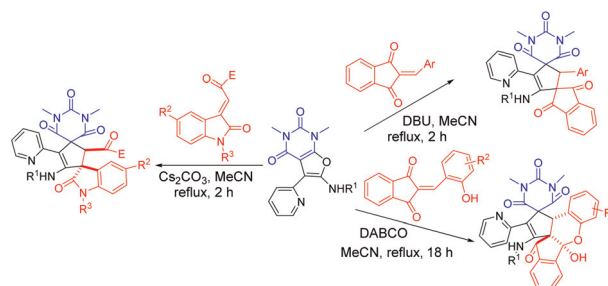


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Tandem ring-opening and formal [3 + 2] cycloaddition of furo[2,3-*d*]pyrimidine-2,4-diones

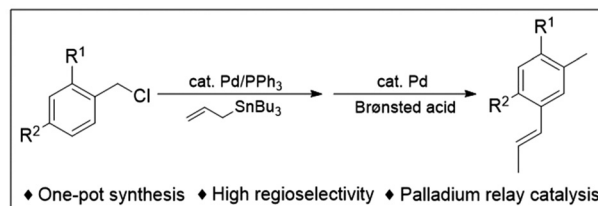
Li Huang, Ying Han,* Jing Sun, Qiu Sun and Chao-Guo Yan*



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One-pot synthesis of multisubstituted propenylbenzenes from benzyl chlorides through relay catalysis of palladium

Haiyu Wang, Sheng Zhang,* Xiujuan Feng, Xiaoqiang Yu, Masahiko Yamaguchi and Ming Bao*



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Microwave-assisted DABCO-promoted regioselective [3 + 3] tandem cyclization: synthesis of pyrrolo[3,4-*b*]pyridine-4-ones from trifluoromethyl-alkynyl esters and α -aminomaleimide

Qi Yang, Shuntao Huang, Lu Yin, Zhuoyu Wang, Xuebing Chen* and Chao Huang*



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Near-infrared fluorescent turn-on probe for hydrazine detection: environmental samples and live cell imaging

Anwesha Maiti, Dipanjan Banik, Satyajit Halder, Saikat Kumar Manna, Anirban Karak, Kuladip Jana and Ajit Kumar Mahapatra*

