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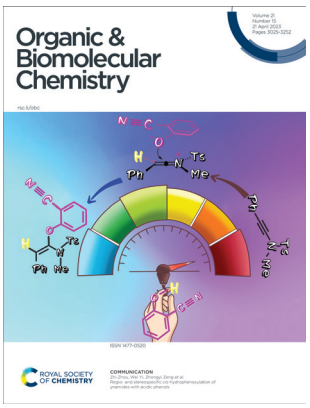

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See Zhi Zhou, Wei Yi, Zhongyi Zeng *et al.*, pp. 3073–3078.

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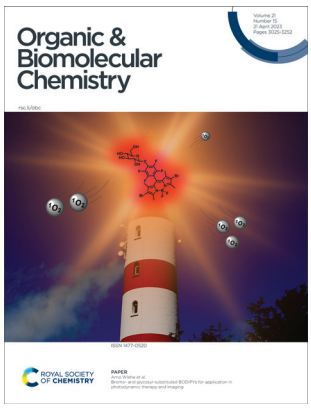

Inside cover
See Arno Wiehe *et al.*, pp. 3105–3120.

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REVIEWS

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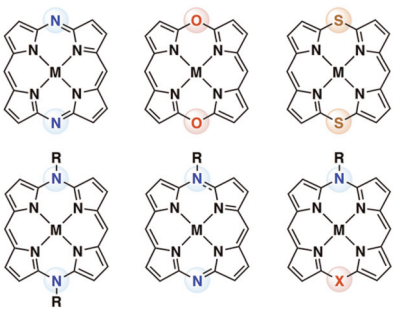
Recent advances in the synthesis of diazaporphyrins and their chalcogen derivatives

Yoshihiro Matano



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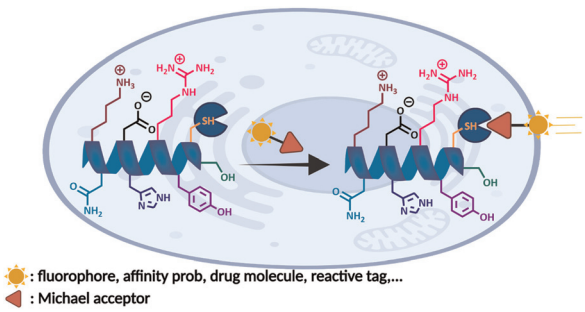
Thia-Michael addition: the route to promising opportunities for fast and cysteine-specific modification

Marzieh Ahangarpour, Iman Kavianinia and Margaret A. Brimble*



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COMMUNICATIONS

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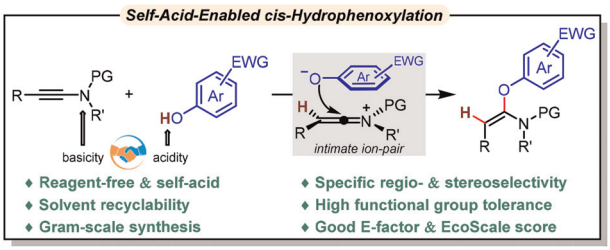
Regio- and stereospecific *cis*-hydrophenoxylation of ynamides with acidic phenols

Ting Wang, Yuyan Wan, Mingyao Xu, Yi Wang, Xu-Jia Hong, Hui Gao, Zhi Zhou,* Wei Yi* and Zhongyi Zeng*



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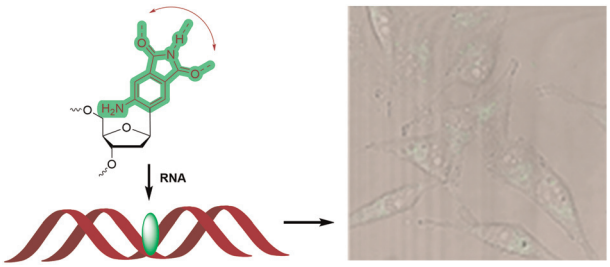
Aminophthalimide as a mimetic of purines and a fluorescent RNA base surrogate for RNA imaging

Fabian Lang, Franziska Rönicke and Hans-Achim Wagenknecht*



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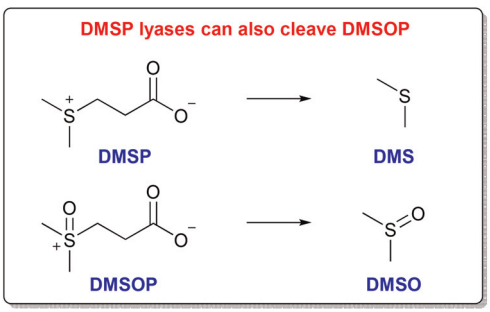
Discovery of dimethylsulfoxonium propionate lyases – a missing enzyme relevant to the global sulfur cycle

Anuj K. Chhalodia and Jeroen S. Dickschat*



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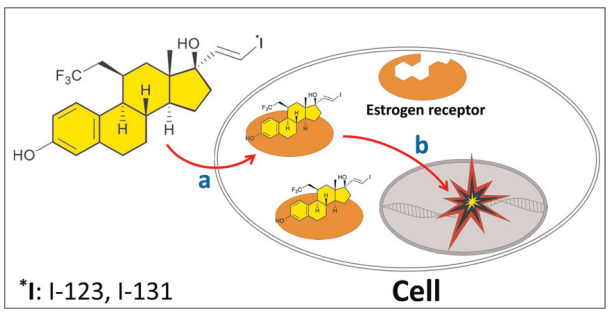
F. Braun, M. Jaschinski, P. Täger, V. Marmann, M. Brandenstein, B. Köditz, T. Fischer, S. Muñoz-Vázquez, B. Zimmermanns, M. Dietlein, F. Sudbrock, P. Krapf, D. Fischer, A. Heidenreich, A. Drzezga, S. Kirsch, M. Pietsch and K. Schomäcker*



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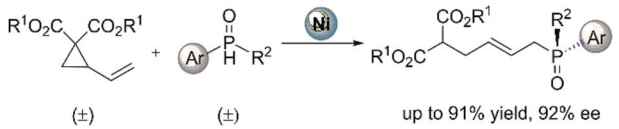

Nickel-catalysed enantioselective reaction of secondary phosphine oxides and activated vinylcyclopropanes

Zhuo Huang, Xu-Teng Liu, Ranran Cui and Qing-Wei Zhang*

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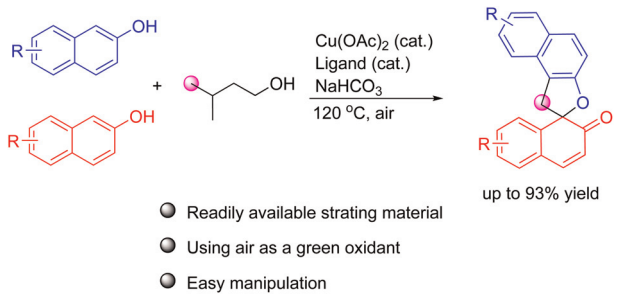

Cu(II)-catalyzed domino construction of spironaphthalenones by dearomatization of β-naphthols and using *N*,*N*-dimethylaminoethanol as a C1 synthon

Meiqi Geng, Jinqiang Kuang,* Maozhong Miao and Yongmin Ma*

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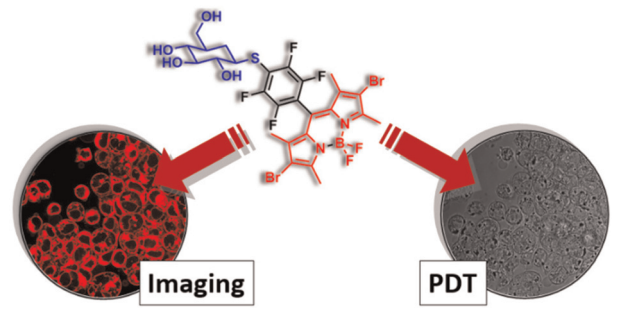

Bromo- and glycosyl-substituted BODIPYs for application in photodynamic therapy and imaging

Benjamin F. Hohlfeld, Dorika Steen, Gerhard D. Wieland, Katharina Achazi, Nora Kulak, Rainer Haag and Arno Wiehe*

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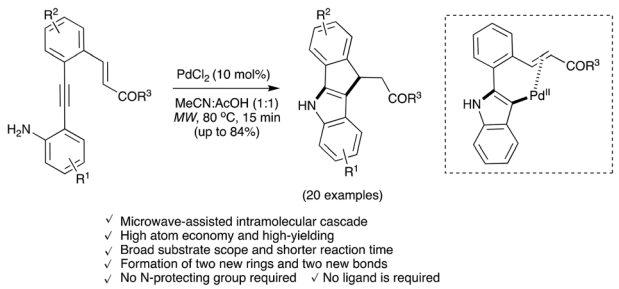

A microwave-assisted intramolecular aminopalladation-triggered domino sequence: an atom economical route to 5,10-dihydroindeno [1,2-*b*]indoles

Tanvi Jandial, Anish Gupta, Gowsia Jan, Muthu Karuppasamy, Subbiah Nagarajan, C. Uma Maheswari and Vellaisamy Sridharan*

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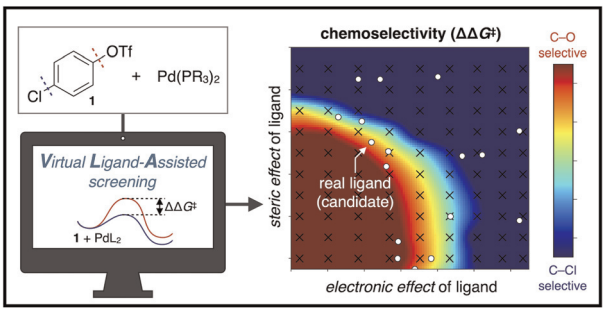
Highly chemoselective ligands for Suzuki–Miyaura cross-coupling reaction based on virtual ligand-assisted screening

Wataru Matsuoka,* Yu Harabuchi, Yuuya Nagata and Satoshi Maeda*



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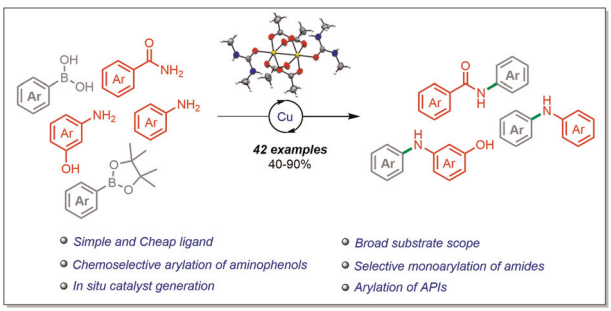
N,N′-Dimethylurea as an efficient ligand for the synthesis of pharma-relevant motifs through Chan–Lam cross-coupling strategy

Rakhee Saikia, Sanghamitra Das, Arzu Almin, Abhijit Mahanta, Bipul Sarma, Ashim J. Thakur and Utpal Bora*



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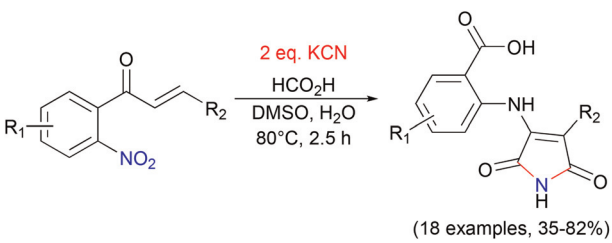
Synthesis of 2-carboxyaniline-substituted maleimides from 2′-nitrochalcones

Nicolai A. Aksenov,* Dmitrii A. Aksenov, Daniil D. Ganusenko, Igor A. Kurenkov, Alexander V. Leontiev and Alexander V. Aksenov



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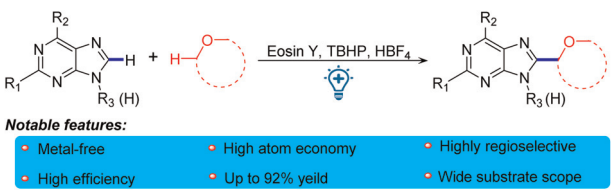
Visible light-induced direct alkylation of the purine C_8–H bond with ethers

Changtong Lu, Gary Histand and Dongen Lin*



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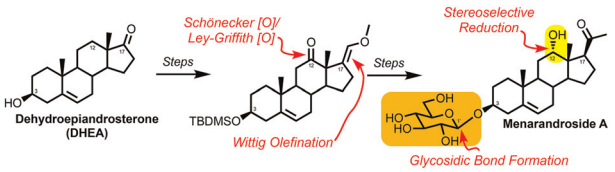

Synthesis of menarandroside A from dehydroepiandrosterone

Samuel D. Offei, Hadi D. Arman and Francis K. Yoshimoto*

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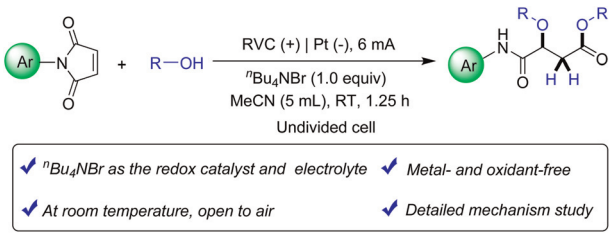

Electrocatalytic ring-opening dihydroalkoxylation of *N*-aryl maleimides with alcohols under metal- and oxidant-free conditions

Zhang Zhang, Ying-Chun Wang,* Hai-Tao Tang, Ying-Ming Pan and Xiu-Jin Meng*

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Concise assembly of 7-ethynyl-6,8-dioxabicyclo [3.2.1]octanes from acetylenes and ketones

Elena Yu. Schmidt, Ivan A. Bidusenko, Nadezhda I. Protsuk, Igor A. Ushakov and Boris A. Trofimov*

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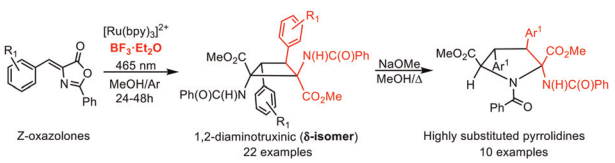

Synthesis of 1,2-diaminotruxinic δ-cyclobutanes by BF_3-controlled [2 + 2]-photocycloaddition of 5(4*H*)-oxazolones and stereoselective expansion of δ-cyclobutanes to give highly substituted pyrrolidine-2,5-dicarboxylates

Sonia Sierra, Rosa López, Enrique Gómez-Bengoa, Larry R. Falvello and Esteban P. Urriolabeitia*

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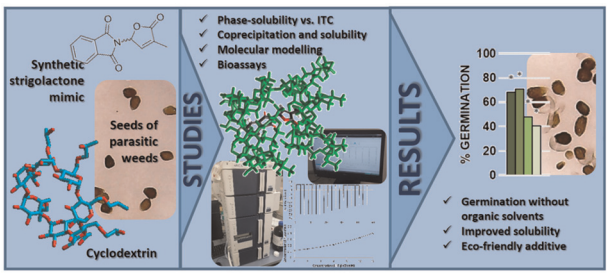
Host–guest complexation of phthalimide-derived strigolactone mimics with cyclodextrins. Application in agriculture against parasitic weeds

Antonio Cala Peralta, Francisco J. R. Mejías, Jesús Ayuso, Carlos Rial, José M. G. Molinillo, José A. Álvarez, Stefan Schwaiger and Francisco A. Macías*



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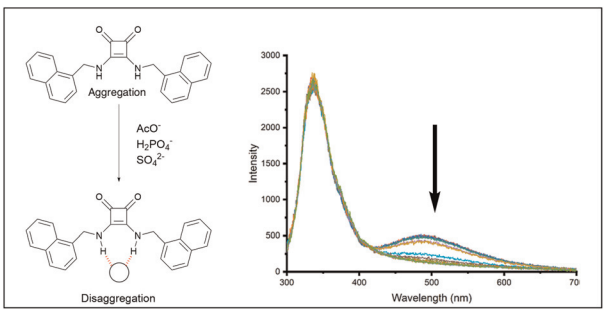
Squaramides for colorimetric and fluorescent anion sensing

Jakob D. E. Lane and Katrina A. Jolliffe*



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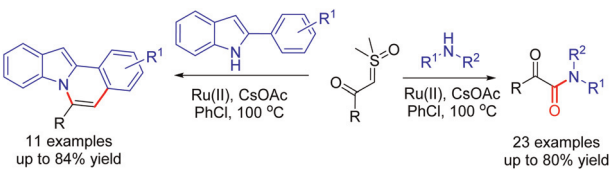
Ru(II)-catalyzed oxidative coupling of sulfoxonium ylides with amines: efficient synthesis of α-ketoamides and indolo[2,1-*a*]isoquinolines

Sumi Changmai, Tribeni Gogoi, Jyotshna Phukon, Bipul Das and Sanjib Gogoi*



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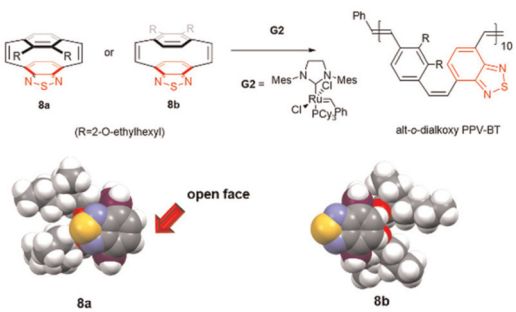
Synthesis and ring-opening metathesis polymerisation of *o*-alkoxy benzothiadiazole paracyclophane-1,9-dienes

Yurachat Janpatompong, Venukrishnan Komanduri, Raja U. Khan and Michael L. Turner*