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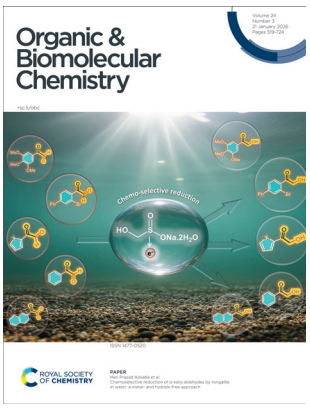
ISSN 1477-0520 CODEN OBCRAK 24(3) 519–724 (2026)



Cover
See Hari Prasad Kokatla *et al.*, pp. 601–607.

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REVIEWS

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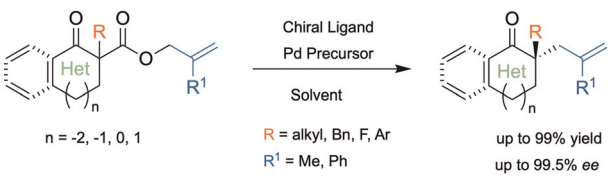
Recent advances in Pd-catalysed decarboxylative asymmetric allylic alkylation

Niamh Lehane and Patrick J. Guiry*



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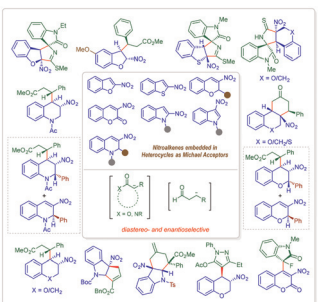
Stereoselective enolate and homoenolate Michael additions to benzo-fused nitroalkenes: strategic advances and mechanistic perspectives

Aniruddh Pratap and Biswajit Maji*



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REVIEWS

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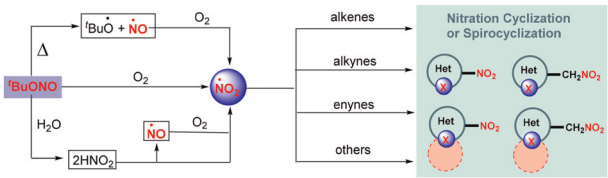
Recent advances in *tert*-butyl nitrite-mediated nitration cyclization/spirocyclization reactions

Pu Guo, Yunfei Tian,* Luping Zheng, Xiaojun Li, Mengyun Niu, Weijun Fu, Yuzhen Zhao* and Zejiang Li*



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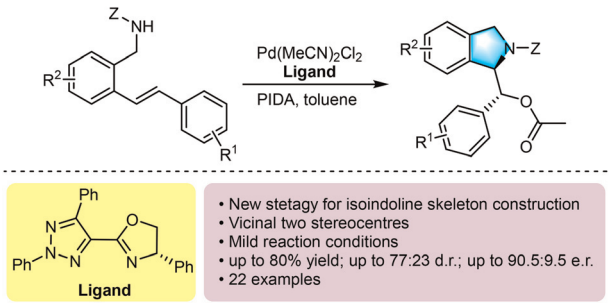
Asymmetric synthesis of isoindolines *via* a palladium-catalyzed enantioselective intramolecular oxidative aminoacetoxylation reaction

Dongyuan Ju, Binggang Wang, Jiaao Kang, Kewei Hu and Zhiguang Song*



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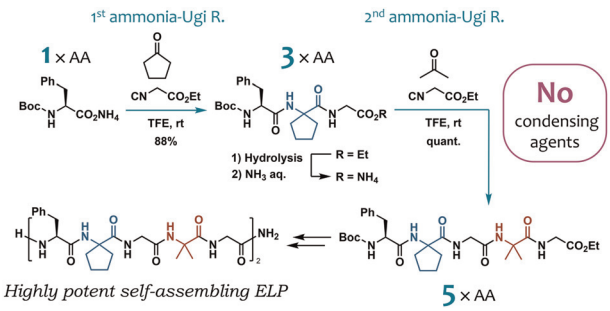
N-to-C peptide elongation by ammonia-Ugi reaction: synthesis of potent self-assembling elastin-like short peptides

Keisuke Tomohara,* Naoki Tanaka, Yukino Kotake, Miwa Ushiro, Misato Adachi, Hikaru Kimura, Hisanori Nambu* and Takeru Nose*



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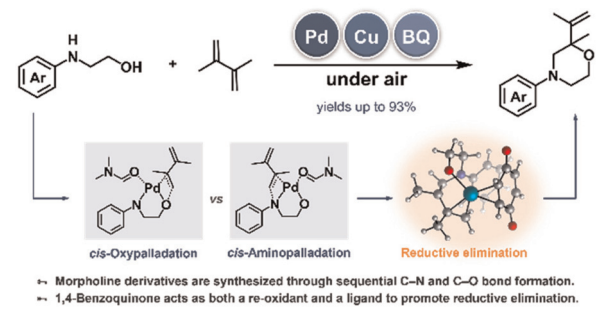
Synthesis of morpholine derivatives from 1,3-dienes and *N*-arylaminoalcohols by palladium-catalyzed sequential C–N and C–O bond formation

Ayumi Yamaguchi, Nobuki Katayama, Kazuki Tabaru, Tetsuaki Fujihara and Yasushi Obora*



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COMMUNICATIONS

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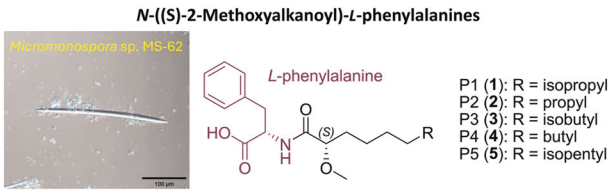

Synthesis-enabled conformational assignment of natural *N*-acyl L-phenylalanine derivatives from freshwater sponge–associated *Micromonospora* sp. MS-62

Jiyool Kim, Jueun Kang, Yongseong Han, Jinchan Sim, Young-Tae Park, Young-Joo Kim, Jaeyoung Kwon, Ja Young Cho* and Taejung Kim*

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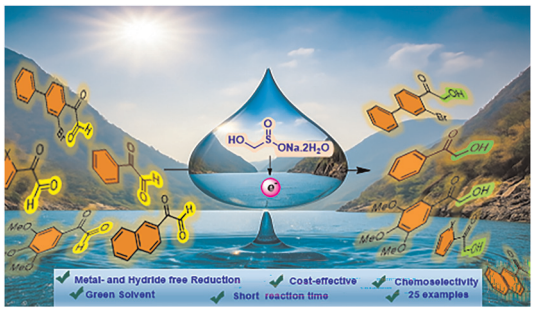

Chemoselective reduction of α-keto aldehydes by rongalite in water: a metal- and hydride-free approach

Madhu Inapanuri, Hari Prasad Kokatla,* Rambabu Kandukuri and Neetika Singh

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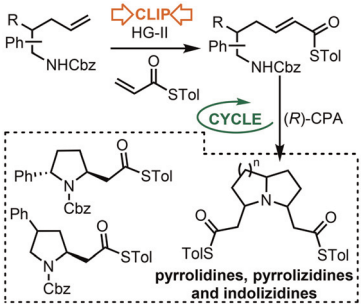

'Clip-Cycle' approaches to functionalised pyrrolidines, pyrrolizidines and indolizidines

Lee C. Duff, Selin Yilmaz, Athanasia Agora, Christopher J. Maddocks, Ian J. S. Fairlamb,* William P. Unsworth* and Paul A. Clarke

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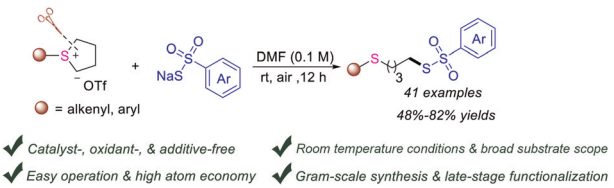

Synthesis of unsymmetrical thiosulfonates *via* ring-opening reaction of cyclic sulfonium salts with sodium thiosulfonates

Qing-Ling Chen, Hao-Pan Tan, Sha Peng, Li-Hua Yang* and Long-Yong Xie*

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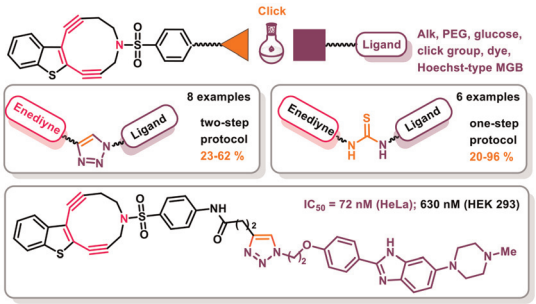
Synthesis and biological study of benzothiophene-fused azaenediyne hybrids as potential anticancer agents

Ekaterina A. Khmelevskaya, Natalia A. Danilkina,* Sergey A. Silonov, Evgeny V. Tretyakov, Alexander F. Khlebnikov, Vladimir E. Melnikov, Anastasiia V. Nikitina, Andrey M. Rumyantsev, Mariya A. Kryukova and Irina A. Balova*



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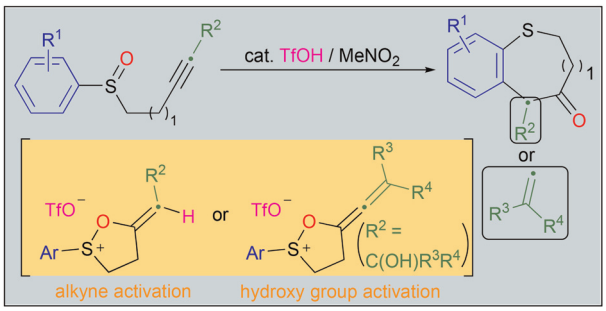
TfOH-catalyzed cyclization/rearrangement of alkynyl aryl sulfoxides for metal-free synthesis of six- to nine-membered sulfur-containing heterocycles

Yuto Iwanami, Akira Tsubouchi, Keiichi Noguchi and Akio Saito*



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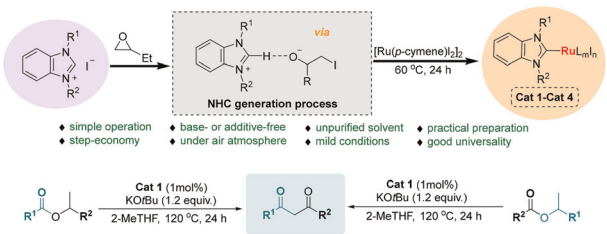
N-Heterocyclic carbene–ruthenium complexes synthesized by a hydrogen-bonding-assisted strategy for dehydrogenative rearrangement of esters

Zhi-Yuan Gong, Sheng Tao, Xiao-Bin Li, Tao Wang, Fei Chen, Zhi-Hong Du, Chun-Bo Bo, Min Li* and Ning Liu*



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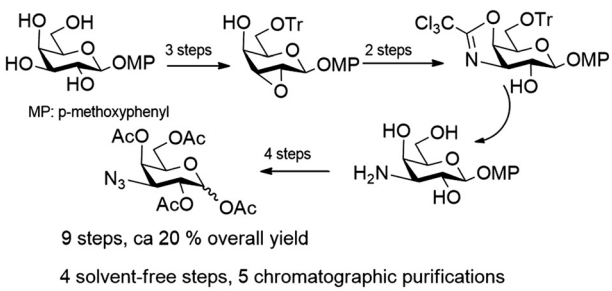
Solvent-free reactions at work towards densely functionalized targets: synthesis of 3-amino(azido)-3-deoxy-D-galactose, a key structural motif of galectin ligands

Serena Traboni, Emiliano Bedini, Fabiana Esposito, Marcello Ziaco and Alfonso Iadonisi*



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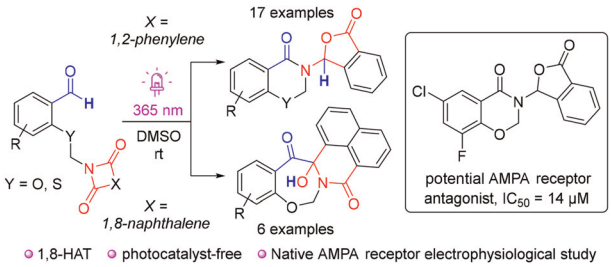

A photochemical HAT approach to synthesize *N*-substituted benzoxazin-4-ones and their activity as AMPA receptor modulators

Daniil I. Rudik, Alexander Yu. Smirnov, Yulia A. Bogdanova, Andrey A. Mikhaylov, Alexander R. Romanenko, Alexander A. Korlyukov, Maxim Nikolaev, Mikhail S. Baranov and Dmitrii S. Ivanov*

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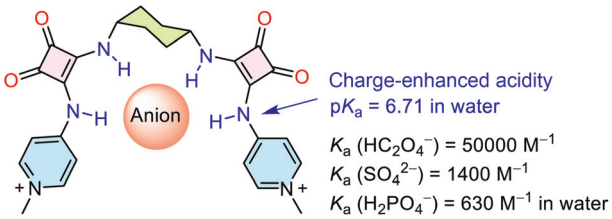

Anion recognition in water by a simple bis-squaramide with charge-enhanced acidity

Chen Dong, Kehao Zhang, Junhong Li,* Jihao Wang, Wenrui Lyu, Xuanxuan Chen* and Xin Wu*

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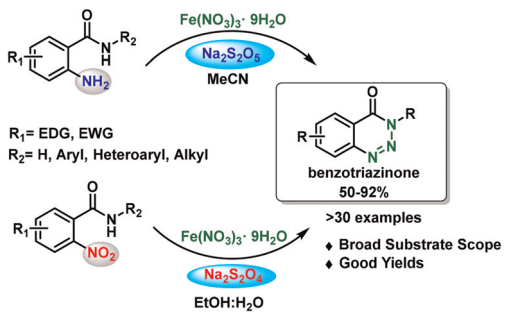

Ferric nitrate-mediated synthesis of functionalized 1,2,3-benzotriazinones from 2-aminobenzamides and 2-nitrobenzamides *via* nitrate reduction strategy

Sachu Kuriakose, Sruthi S. Nair and Jeyakumar Kandasamy*

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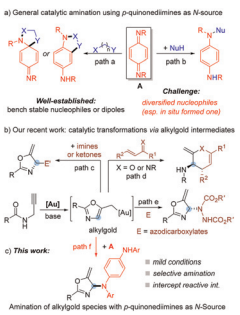

Gold-catalyzed amination of *in situ* formed alkyl gold species with *p*-quinonediimines as a N source

Xinyu Pan, Yusuf Abdulla, Ming Bao* and Xinfang Xu*

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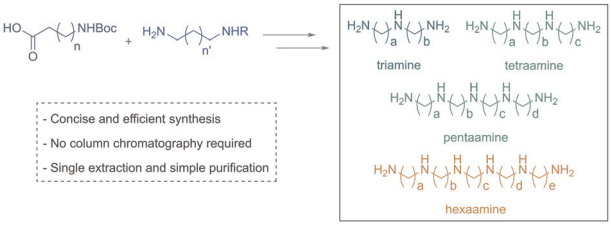
Modular and chromatography-free synthesis of natural linear polyamines

Masato Takahashi,* Teruyuki Kobayashi, Takuya Noguchi, Seisuke Mimori, Masakiyo Hosokawa, Takashi Fukui, Akira Takagi, Nobuaki Okumura, Hiroshi Kawabe, Takanori Yano, Naomi Ohta, Akihisa Hata, Ryoji Mitsui and Noboru Fujitani



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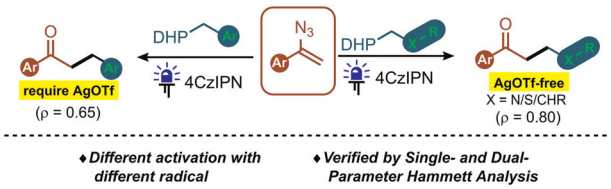
Photoinduced radical addition of 4-alkyl-1,4-DHPs to vinyl azides

Zhiqin Zhang, Xirui Zhang, Jiajing Tan, Hongguang Du* and Ning Chen*



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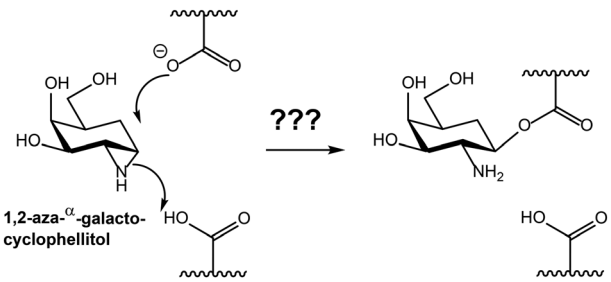
Synthesis and evaluation of carbagalactosyl 1,2-aziridines and -epoxides as glycosidase inhibitors

Yuqing Tian, Hong-Ming Chen, Lyann Sim, Seyed A. Nasseri, Jolene P. Reid and Stephen G. Withers*



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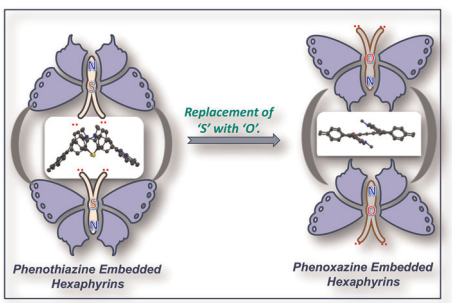
Impact of phenothiazine-to-phenoxazine replacement in hexaphyrin frameworks on structural, spectroscopic, and redox properties

Neha Tripathi and Mangalampalli Ravikanth*



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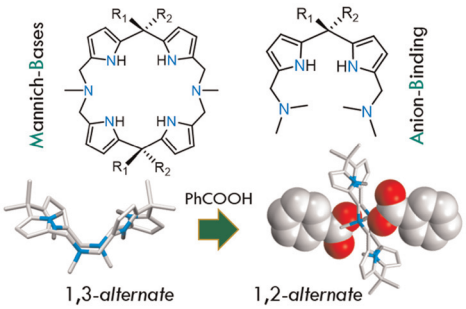

New core-expanded calix[4]pyrroles and N-donor-extended dipyrromethanes: syntheses, anion binding and conformational studies

Soumya Mishra, Monalisa Giri, Vipin Kumar Mishra and Tapas Guchhait*

EXPRESSION OF CONCERN

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Expression of Concern: Total synthesis of the natural product EBC-329

Raju S. Thombal and Vrushali H. Jadhav*

CORRECTION

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Correction: Asymmetric synthesis of isoindolines *via* a palladium-catalyzed enantioselective intramolecular oxidative aminoacetoxylation reaction

Dongyuan Ju, Binggang Wang, Jiaao Kang, Kewei Hu and Zhiguang Song*

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