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**Cover**
See Tanurima Bhaumik, Raju Dey, Susanta Kumar Manna *et al.*, pp. 7124–7131.

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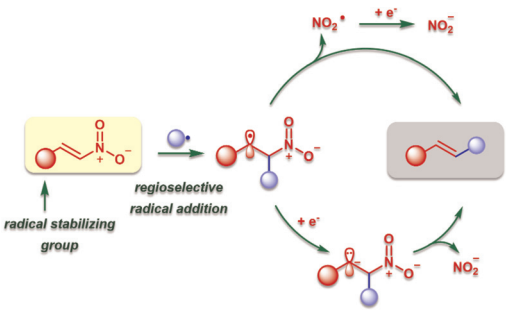
## REVIEWS

7023

**Denitrative radical-induced coupling reactions of nitroalkenes**

Alessandro Palmieri and Marino Petrini*

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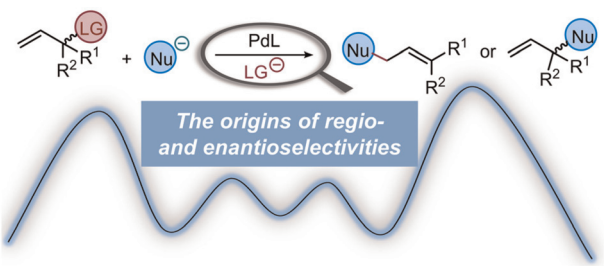
**Computational insights into the origins of regio- and enantioselectivities in palladium-catalyzed allylic substitution reactions**

Hongli Wu, Deng Pan, Xueyuan Yan and Genping Huang*



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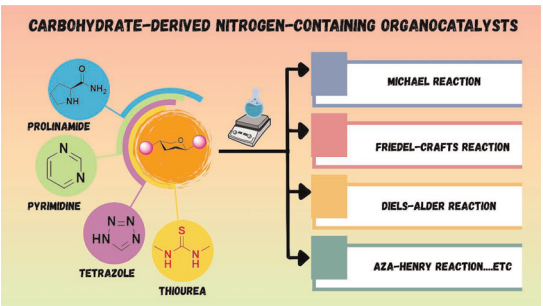
## REVIEWS

7048

**Sweet synthesis, precise outcomes: asymmetric catalysis using carbohydrate-based organocatalysts**

Samson Lalhmangaihzuala and Khiangte Vanlaldinpuia*

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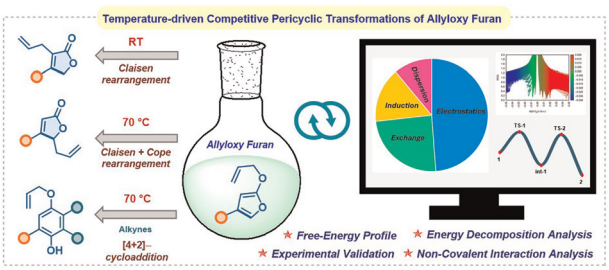
**Insights into the temperature-driven competitive pericyclic transformations of allyloxy furan**

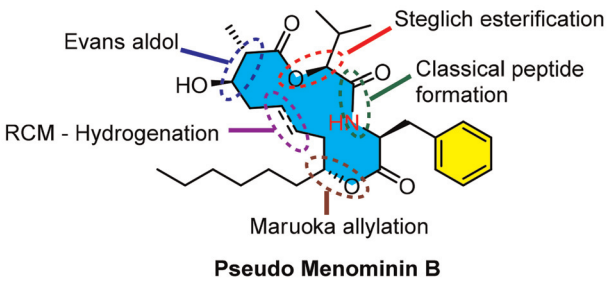
Rishu, Dinesh Kumar Gopalakrishnan, Janakiram Vaitla* and Tarak Karmakar*




7115

**Stereoselective total synthesis of cytotoxic cyclodepsipeptide menominin B: call for revision of the proposed structure**

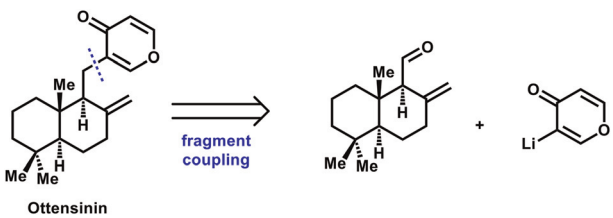
Siva Ramakrishna Paipuri, Padyabharati Nayak, Resmi Kattukaran Raman, Sai Balaji Andugulapati and Srihari Pabbaraja*




7120

**Asymmetric synthesis and biological evaluation of ottensinin and its analogues**

Jun-Ting Liang, Zichen Xu, Yong-Bin Xie, Wen-Tao Chen, Yu-Tao He* and Ya-Jian Hu*



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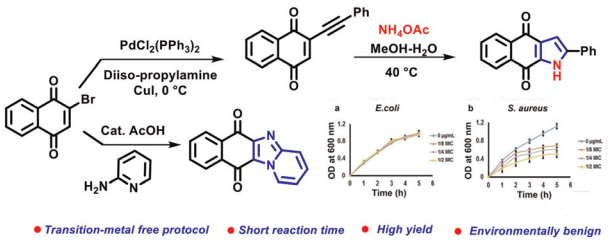
7124




**Synthesis and biological evaluation of naphthoquinone-fused pyrrole and imidazopyridinedione heterocycles**

Rabindra Nath Sana, Sudipta Chakraborty, Vageesh M., Soumen Adak, Tanurima Bhaumik,* Raju Dey* and Susanta Kumar Manna*

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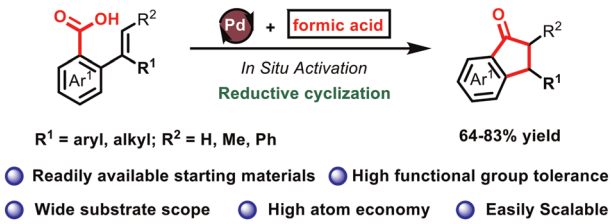


**Palladium-catalyzed reductive cyclization of *ortho*-vinyl benzoic acids to access 1-indanones**

Zirun Wang, Chenglong Li, Bin Zheng, Qihang Tan, Qiang Wu, Long Liu,* Jacek E. Nycz,* Tianzeng Huang and Tieqiao Chen*

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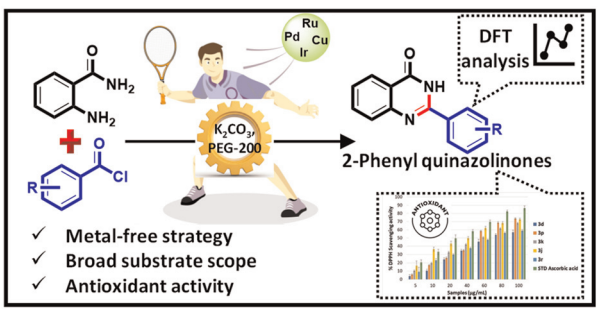


**Base-promoted transition-metal-free synthesis of quinazolinones with antioxidant activity**

Maruboina Hemanth Kumar, Harini G. Sampatkumar, Sanjana S. Talekar, Manoj V. Mane, Vaishnavi Shashidhara, Madhavarani Alwarsamy, B. S. Sasidhar, Ling Shing Wong, Manjula Subramaniam, Meenakshi Verma, Shifa Wang, Asad Syed* and Siddappa A. Patil*

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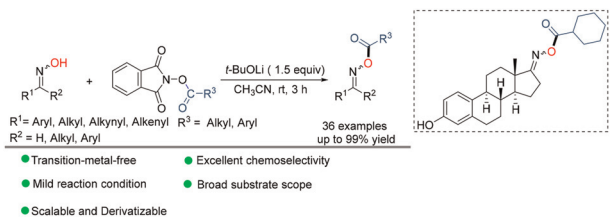


**Lithium *tert*-butoxide-mediated efficient transesterification of *N*-hydroxyphthalimide esters toward oxime functionalization**

Jiangfei Chen,* Yi-Lin Qu, Hongyan Hao, Cheng Yao, Yu-Rou Wang, Dayun Huang,* ChenShu Dai and Shengrong Guo



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## PAPERS

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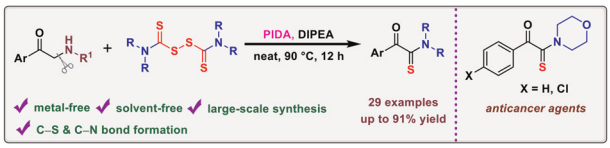
**Synthesis of α-keto thioamides *via* oxidative thioamidation of α-amino carbonyls using hypervalent iodine under neat conditions**

Sudip Mondal, Subhankar Sarkar, Anindita Mukherjee, Sougata Santra, Grigory V. Zyryanov and Adinath Majee*

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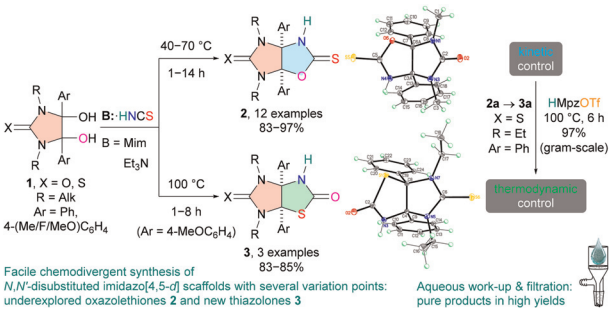
**Multi-purpose thiocyanate protic ionic liquids in chemodivergent transformations of imidazolidin-2-(thi)one-based diols**

Valery P. Ermolaev, Nina K. Ratmanova,* Vladimir V. Baranov, Irina I. Levina, Victor N. Khrustalev, Olga A. Ivanova, Angelina N. Kravchenko, Igor V. Trushkov and Ivan A. Andreev*

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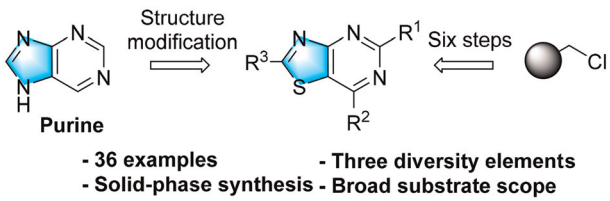
**Synthesis of thiazolo[4,5-*d*]pyrimidine derivatives based on purine *via* solid-phase synthesis**

Jimin Moon, Hyojin Lee, Jungtae Kim, Shuanghui Hua, GeonHo Yoon, Hyeokjin Lee, Sugyeong Seo, Yoojin Joo, Heong-Seop Yim* and Taeho Lee*

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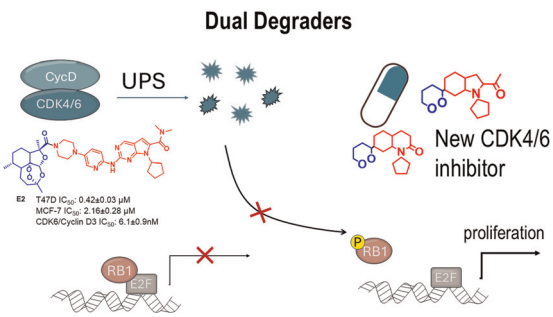
**Design of pyrrolo[2,3-*d*]pyrimidine-endoperoxide hybrids as first-in-class dual degraders of cyclin D1/3 and CDK4/6 with potent antiproliferative effects**

Zhen Cui, Yuanli Yang, Changqi Wang, Jiayi Zhu, Haowei Jiao, Lu Wang, Silong Zhang,* Huan He* and Hang Zhong*



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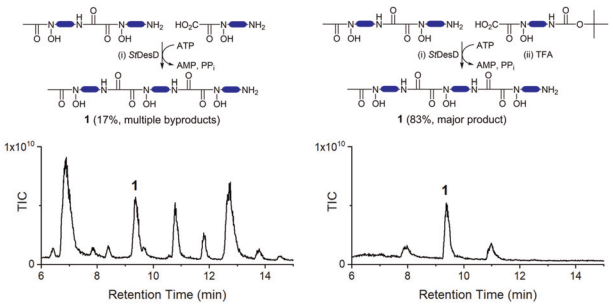


### Directing the chemoenzymatic assembly of desferrioxamine B as a single product using *N-tert*-butoxycarbonyl-protected substrates

Todd E. Markham, Athavan Sresutharsan, Callum A. Rosser and Rachel Codd*

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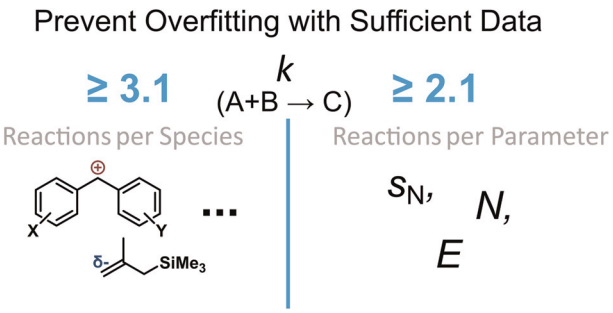


### Revisiting Mayr's reactivity database: expansion, sensitivity analysis, and uncertainty quantification

Moritz K.-E. Wolff, Armin R. Ofial and Jonny Proppe*

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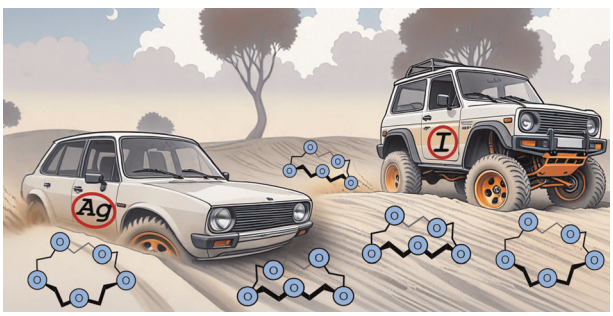


### Comparative study of the retention of catalytic activity of halonium and chalconium cations in the presence of crown ethers

Ivan O. Putnin, Alexandra A. Sysoeva,* Aleksey V. Kovalenko and Dmitrii S. Bolotin*

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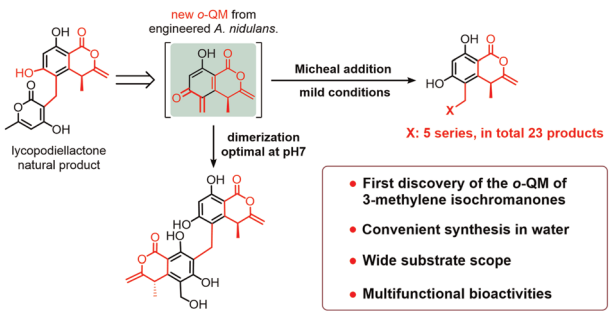


### Click-like *ortho*-quinone methide trapping using rare 3-methylene isochromanones for a series of multifunctional pseudo-natural products

Yi Wang, Dan Li, Hongping Long, Furong Liu, Guitao Bai, Kangping Xu and Xia Yu*


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