

# Organic & Biomolecular Chemistry

An international journal of synthetic, physical and biomolecular organic chemistry

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### Cover

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

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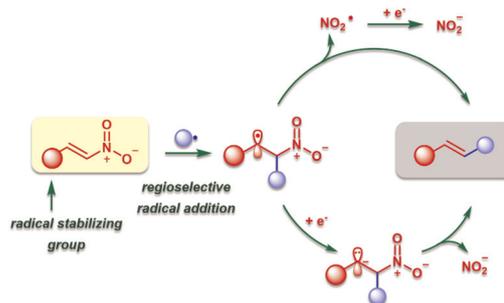
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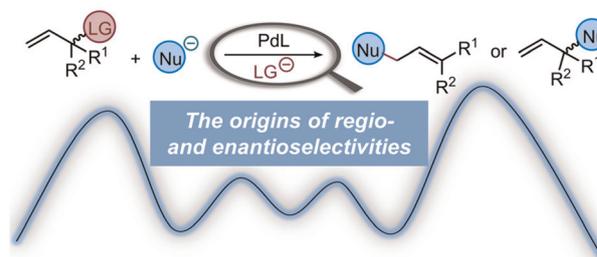
Alessandro Palmieri and Marino Petrini\*



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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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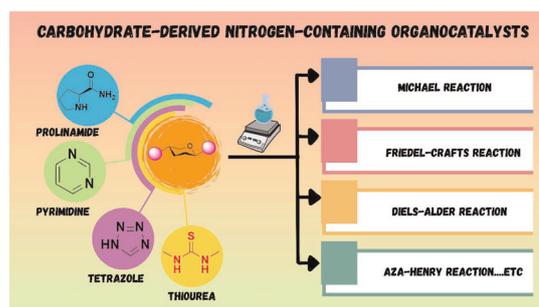
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## REVIEWS

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

Samson Lalmangaihzuala and Khiangte Vanlaldinpuia\*

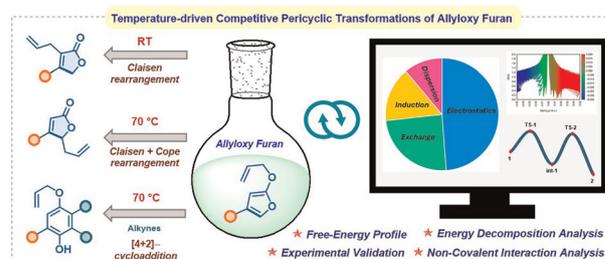


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**Insights into the temperature-driven competitive pericyclic transformations of allyloxy furan**

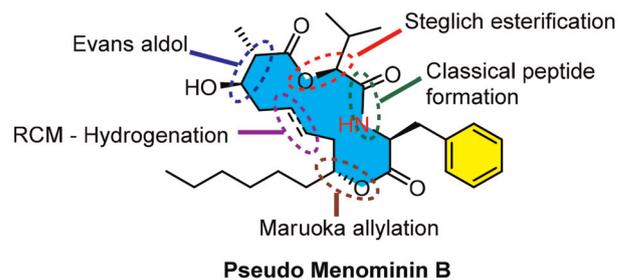
Rishu, Dinesh Kumar Gopalakrishnan, Janakiram Vaitla\* and Tarak Karmakar\*



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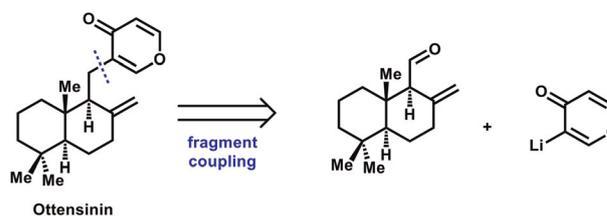
Siva Ramakrishna Paipuri, Padyabharati Nayak, Resmi Kattukaran Raman, Sai Balaji Andugulapati and Srihari Pabbaraja\*



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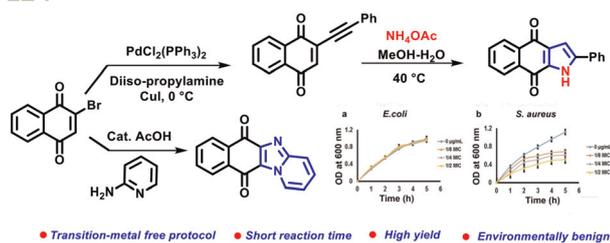
**Asymmetric synthesis and biological evaluation of ottensinin and its analogues**

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



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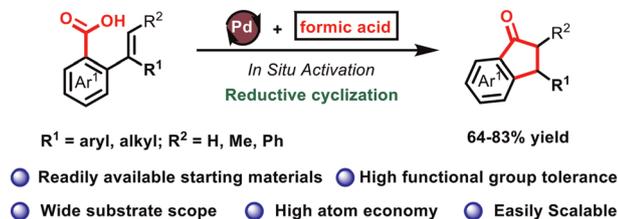
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### Synthesis and biological evaluation of naphthoquinone-fused pyrrole and imidazopyridinedione heterocycles

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

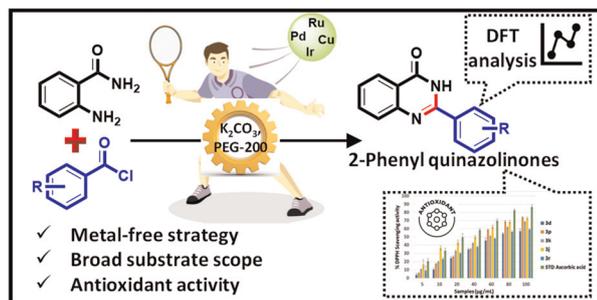
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### Palladium-catalyzed reductive cyclization of *ortho*-vinyl benzoic acids to access 1-indanones

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

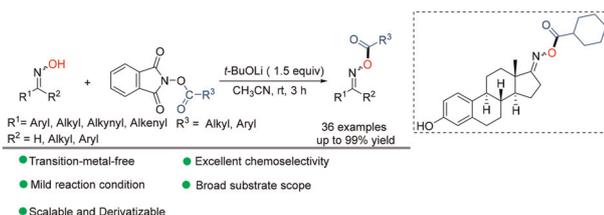
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### Base-promoted transition-metal-free synthesis of quinazolinones with antioxidant activity

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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

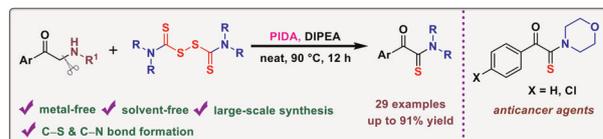


## PAPERS

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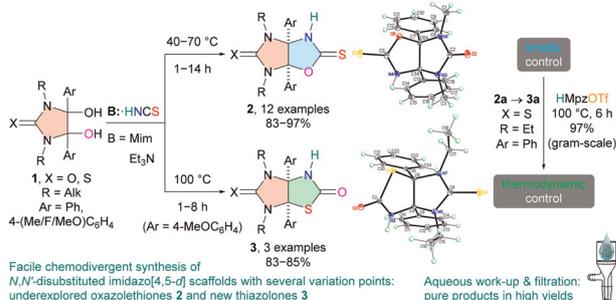
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### Multi-purpose thiocyanate protic ionic liquids in chemodivergent transformations of imidazolidin-2-(thi)one-based diols

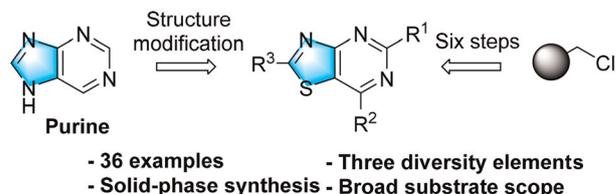
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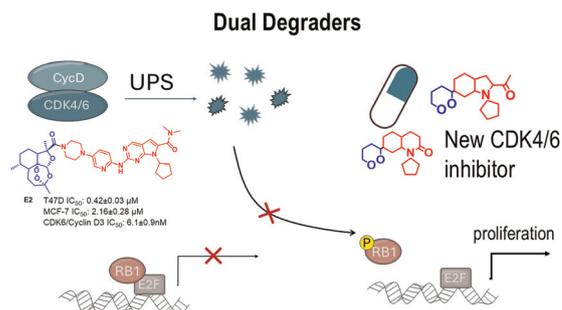
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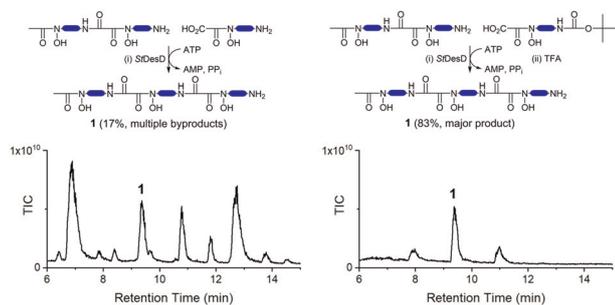
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Zhen Cui, Yuanli Yang, Changqi Wang, Jiayi Zhu, Haowei Jiao, Lu Wang, Silong Zhang,\* Huan He\* and Hang Zhong\*



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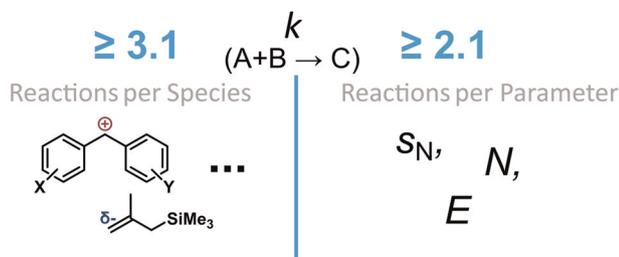


### Directing the chemoenzymatic assembly of desferrioxamine B as a single product using *N*-*tert*-butoxycarbonyl-protected substrates

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

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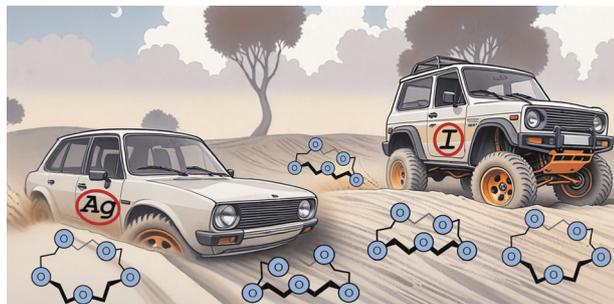
### Prevent Overfitting with Sufficient Data



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

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

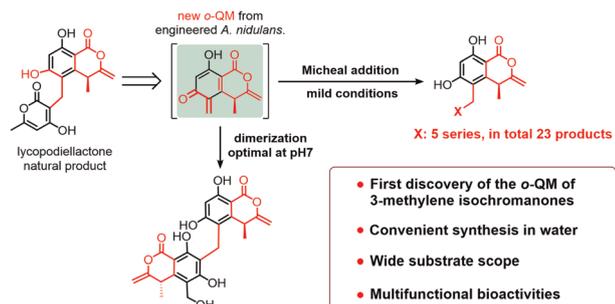
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### Comparative study of the retention of catalytic activity of halonium and chalconium cations in the presence of crown ethers

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

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

