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An international journal of synthetic, physical and biomolecular organic chemistry

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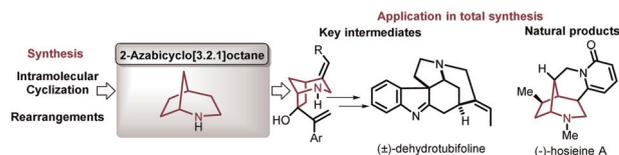
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Abdulrahman M. Alazemi
from *Org. Biomol. Chem.*,
2024, **22**, 2978.

REVIEWS

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2-Azabicyclo[3.2.1]octane scaffold: synthesis and applications

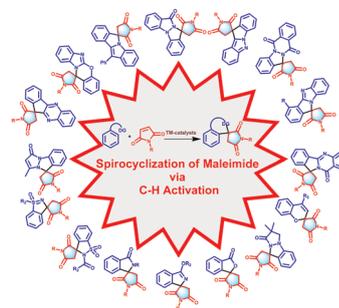
Mariana Crespo Monteiro, João Rafael Vale and Filipa Siopa*



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Swadhin Swaraj Acharya, Sagarika Patra, Rojalini Maharana, Manaswini Dash, Liza Mama Barad and Bibhuti Bhusan Parida*



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Fundamental questions
Elemental answers

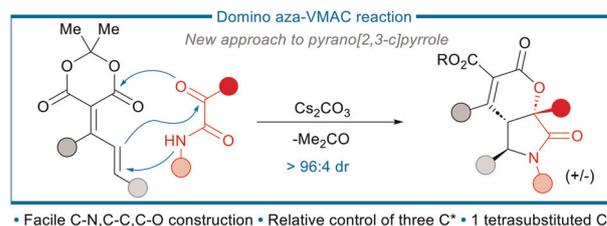


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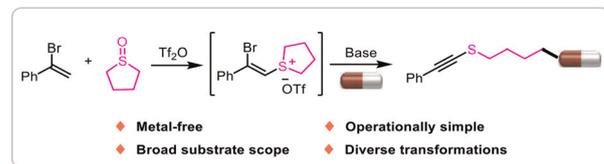
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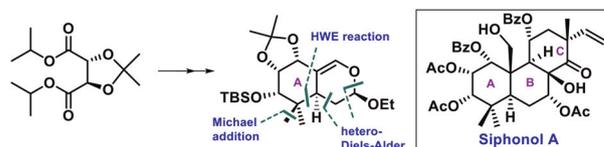
Junqi Zhou, Ziyu Wang, Hanmiao Xu, Mengke Su and Jian Wen*



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Asymmetric synthesis of the fully functionalized six-membered A-ring of siphonol A

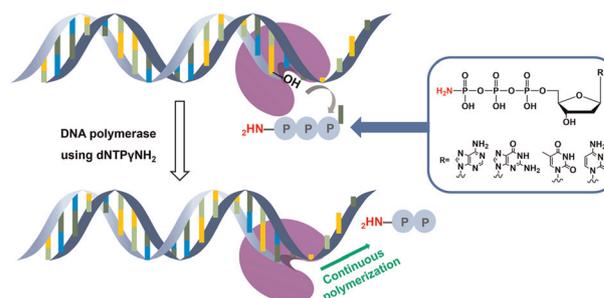
Ying Sun, Shaomin Fu* and Bo Liu*



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A phosphamide nucleotide analog: a substrate for polymerase synthesis of DNA

Jiong Meng, Qiaqia Guo, Xiaona Zhai, Song Yang, Shuai Wang, Pengcheng Wang and Debin Ji*



COMMUNICATIONS

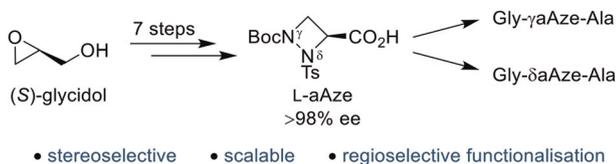
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Photogenerated chlorine radicals activate C(sp³)–H bonds of alkylbenzenes to access quinazolinones

Xin-Yao Pan, Gui-Xia Sun, Fang-Ping Huang, Wen-Jian Qin, Qing-Hu Teng* and Kai Wang*

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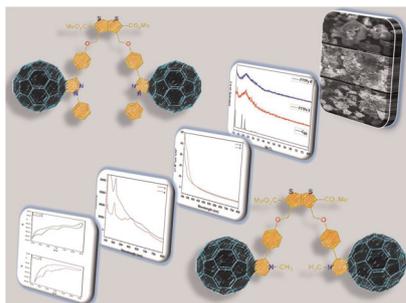


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Matthew Nutter, Henry Stone, Michael Shipman and Stefan Roesner*

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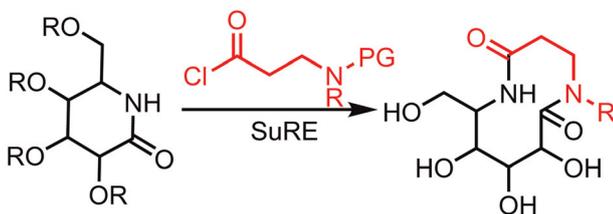
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Covalently linked thieno[2,3-*b*]thiophene-fullerene dimers: synthesis and physical characterization

Abdulrahman M. Alazemi,* Mohammad H. BinSabt, Hamad M. Al-Matar, Alan L. Balch and Mona A. Shalaby

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Expanding the scope of the successive ring expansion strategy for macrocycle and medium-sized ring synthesis: unreactive and reactive lactams

Zhongzhen Yang, Marion Arnoux, Damien Hazelard, Owen R. Hughes, Joe Nabarro, Adrian C. Whitwood, Martin A. Fascione, Christopher D. Spicer, Philippe Compain* and William P. Unsworth*

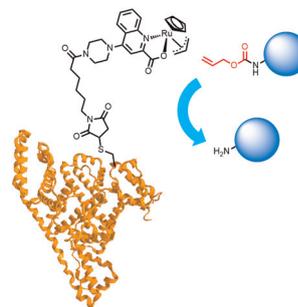


PAPERS

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Albumin–ruthenium catalyst conjugate for bio-orthogonal uncaging of alloc group

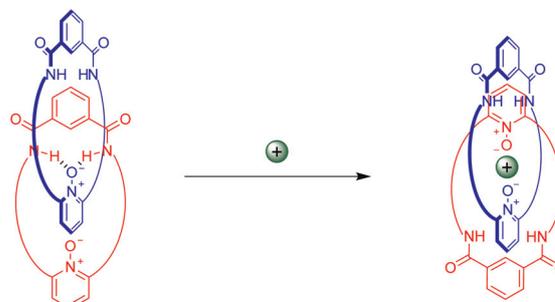
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A pyridine-*N*-oxide catenane for cation recognition

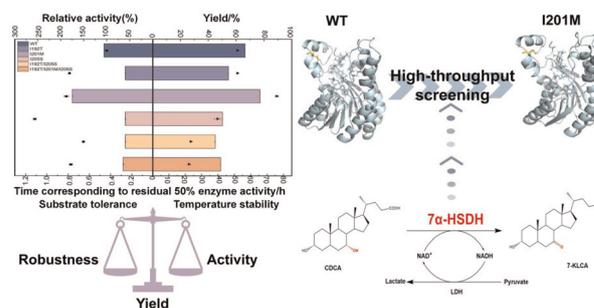
Sean R. Barlow, Nathan R. Halcovitch and Nicholas H. Evans*



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Not exclusively the activity, but the sweet spot: a dehydrogenase point mutation synergistically boosts activity, substrate tolerance, thermal stability and yield

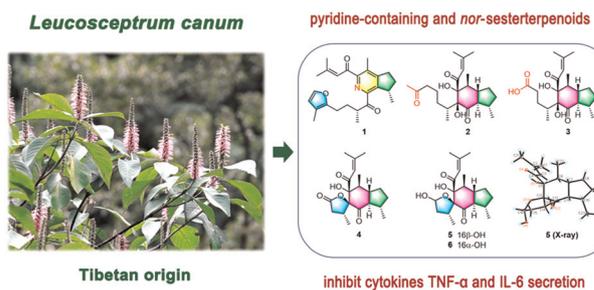
Yu-Ke Cen, Lin Zhang, Yue Jiang, Xiang-Fu Meng, Yuan Li, Chao Xiang, Ya-Ping Xue* and Yu-Guo Zheng



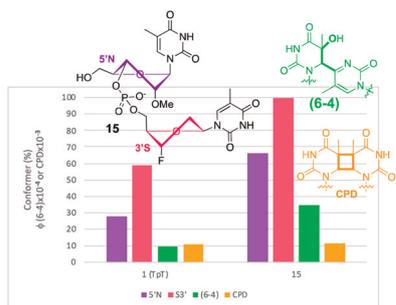
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Unusual immunosuppressive pyridine-containing bisnor- (C_{23}), tetranor- (C_{21}) and pentanor- (C_{20}) sesterterpenoids from Tibetan *Leucosceptrum canum*

Man Li, Ling Feng, Han Zhang, Yan-Chun Liu, Ting-Ting Zhou, Yu Zheng, Kai Guo,* Yan Liu and Sheng-Hong Li*



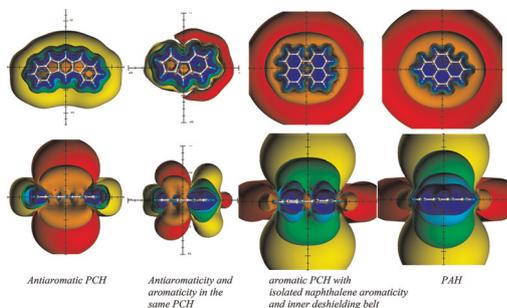
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Selective enhancement of (6–4) photoproduct formation in dithymine dinucleotides driven by specific sugar puckering

Jouda Jakhlal, Clément Denhez, Stéphanie Coantic-Castex, Agathe Martinez, Dominique Harakat, Thierry Douki, Dominique Guillaume and Pascale Clivio*

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Identification and quantification of local antiaromaticity in polycyclic aromatic hydrocarbons (PAHs) based on the magnetic criterion

Erich Kleinpeter* and Andreas Koch

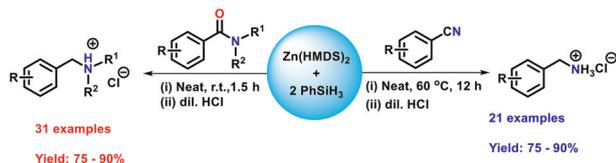
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Direct access to pyrrole anhydrides via oxidative self-coupling of pyrrole carboxaldehydes

Surabhi Panday, Tapas Maity, Pratibha Bhatti and Joydev K. Laha*

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Hydrosilylation of nitriles and tertiary amides using a zinc precursor

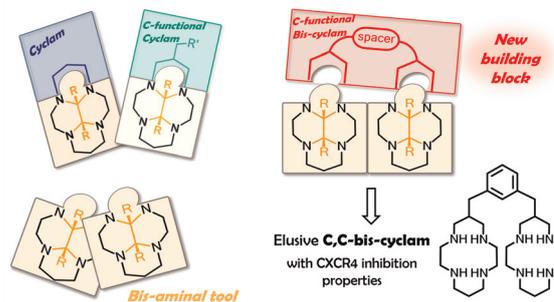
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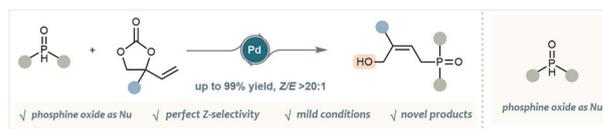
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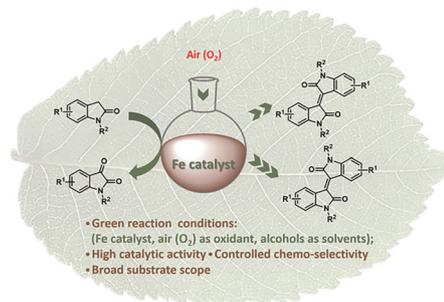
Hua Huang, Yi-Qi Wu, Lu-Yao Han, Lu Jiang, Zhuo-Zhuo Zhang, Xiang Zhang, Bo Han, Wei Huang* and Jun-Long Li*



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Iron-catalyzed selective construction of indole derivatives via oxidative C(sp³)-H functionalization of indolin-2-ones

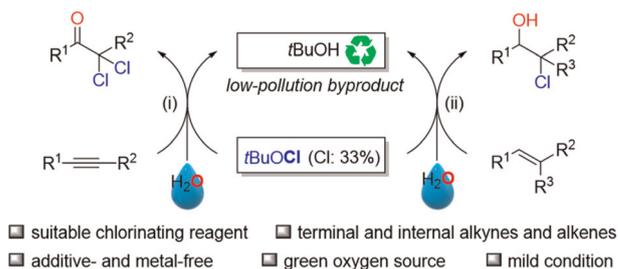
Wei Chen, Lang-Qi Wen, Xiao-Bing Lu and Hui Zhou*



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Additive-free oxychlorination of unsaturated C-C bonds with tert-butyl hypochlorite and water

Duyi Shen,* Chaoyue Sun, Yun Han, Zhen Luo, Ting Ren, Qin Zhang, Wenting Huang, Jianru Xie, Ying Jia and Mianran Chao*



- suitable chlorinating reagent
- additive- and metal-free
- terminal and internal alkynes and alkenes
- green oxygen source
- mild condition

