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For an open, green and inclusive future

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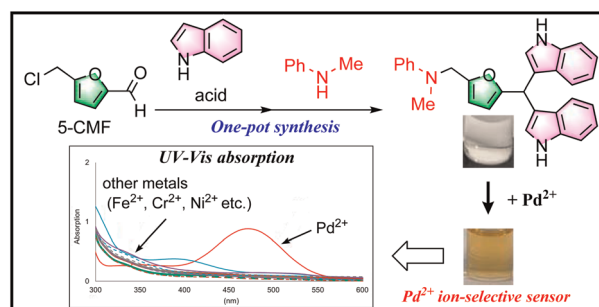
Fundamental questions
Elemental answers

COMMUNICATIONS

2734

Furanyl bis(indolyl)methane as a palladium ion-selective chromogenic agent

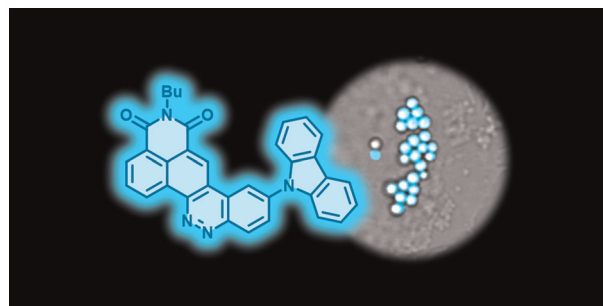
Kazuho Ban, Shiho Nozaki, Takaaki Aijima, Shuki Oyama, Hirofumi Tsujino, Yusuke Kanematsu, Shuji Akai and Yoshinari Sawama*



2739

CinNapht AIE(E)gens for selective imaging of lipid droplets

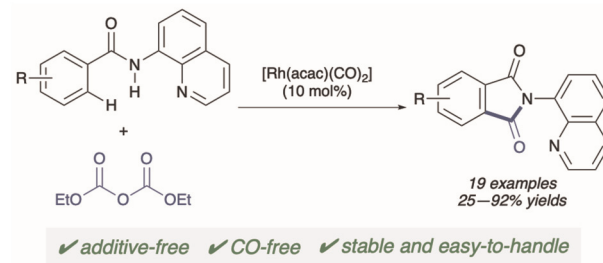
Eléonore Tacke, Minh-Duc Hoang, Lilian Estaque, Philippe Durand, Grégory Pieters and Arnaud Chevalier*



2744

Rhodium-catalysed additive-free carbonylation of benzamides with diethyl dicarbonate as a carbonyl source

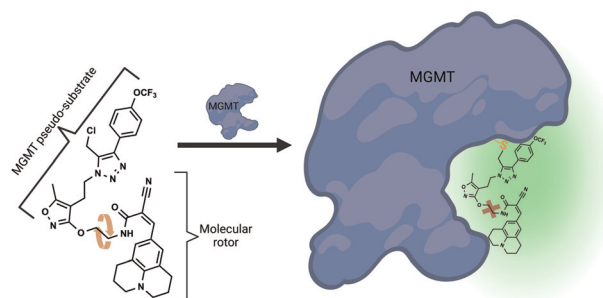
Hirotsugu Suzuki,* Seigo Kiyobe and Takanori Matsuda*



2749

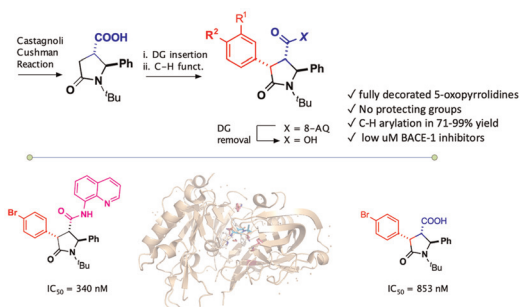
A chloromethyl-triazole fluorescent chemosensor for O⁶-methylguanine DNA methyltransferase

Seylan Ayan, Adrian M. Rotaru, Esther G. Kaye, Gabrielle Juneau, Sunit Das, Christopher J. Wilds and Andrew A. Beharry*



PAPERS

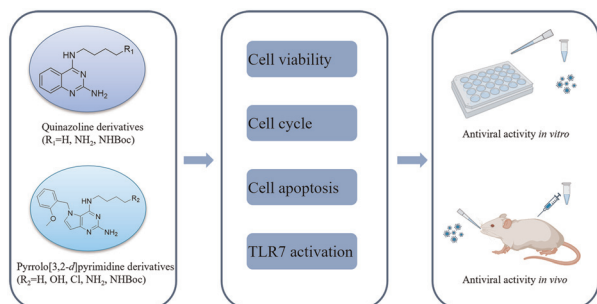
2754



Identification of BACE-1 inhibitors through directed C(sp³)-H activation on 5-oxo-pyrrolidine-3-carboxylic acid derivatives

Lorenzo Baldini, Elena Lenci, Cristina Faggi and Andrea Trabocchi*

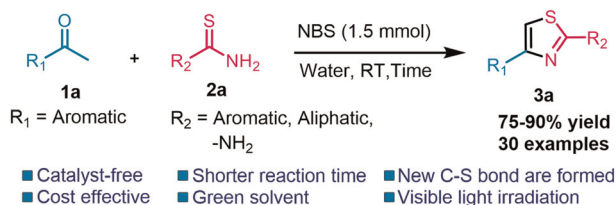
2764



Design, synthesis and biological evaluation of quinazoline and pyrrolo[3,2-d]pyrimidine derivatives as TLR7 agonists for antiviral agents

Yue Song, Wenjie Fan, Chen Yao, Heng Wang, Xiuxiang Lu, Yumin Wang, Pengxiang Liu, Yanjie Ma, Zhen Zhang, Jiang Wang, BeiBei Chu, Lijun Shi,* Guoyu Yang* and Mengdi Wang*

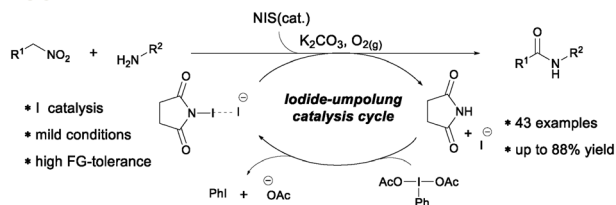
2774



Visible-light-induced C-S bond formation in the synthesis of 2,4-disubstituted thiazoles through cascade difunctionalization of acetophenone: a greener approach

Khushbu Rajput, Vishal Singh, Priya Mahaur, Sundaram Singh and Vandana Srivastava*

2780



Iodide-umpolung catalytic system for non-traditional amide coupling from nitroalkanes and amines

Chun-Lin Chen, Tian-Sih Huang, Po-Hsiang Chang and Che-Sheng Hsu*

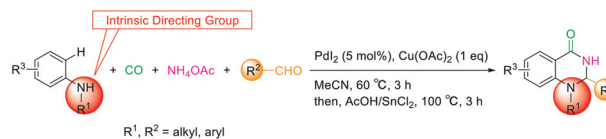


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2791

Pd(II)-catalyzed cascade annulation of *N*-substituted anilines with CO, NH₄OAc and aldehydes to *N*1-substituted 2,3-dihydroquinazolin-4(1*H*)-ones

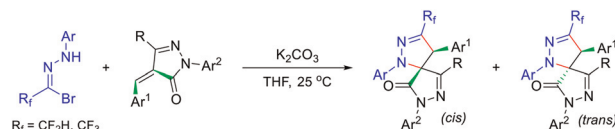
Xiaopeng Zhang,* Qiuyang Pang, Dan Liu, Zhenhua Guo and Guisheng Zhang*



2797

Synthesis of difluoromethylated spiropyrazolones via [3 + 2] cycloaddition of difluoroacetohydrazonoyl bromides with alkylidene pyrazolones

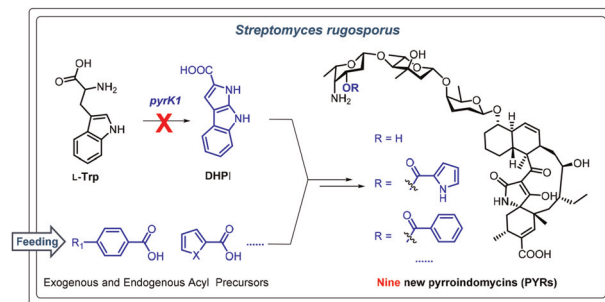
Yang Feng, Yuanyuan Ren, Duoduo Tang, Ke-Hu Wang, Junjiao Wang, Danfeng Huang, Xiaobo Lv and Yulai Hu*



2813

Mutasynthesis generates nine new pyrroindomycins

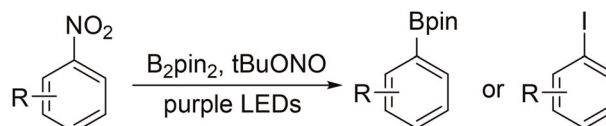
Zhuhua Wu, Zhengxiang Xia, Zhijun Tang,* Ji'an Li* and Wen Liu*



2819

Visible light-induced metal-free cascade denitrogenative borylation and iodination of nitroarenes

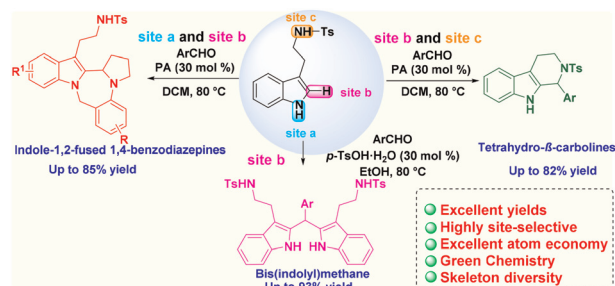
Jun-Wei Li, Tian-Shun Duan, Bing Sun and Fang-Lin Zhang*



- metal-free system
- mild reaction conditions
- good substrate scope



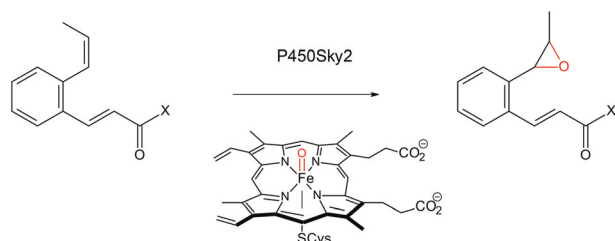
2824



Diversity-oriented synthesis of indole-fused scaffolds and bis(indolyl)methane from tosyl-protected tryptamine

Liang Wang, Xiaopei Song, Fengxia Guo, Lubin Xu, Fangzhi Hu, Feng-Wei Guo* and Shuai-Shuai Li*

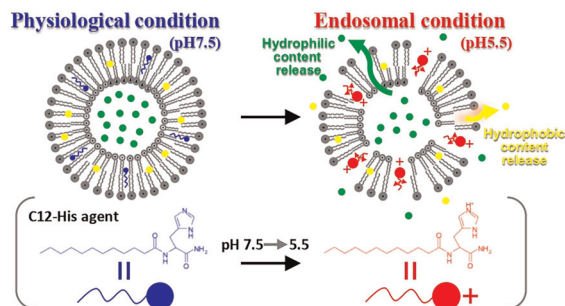
2835



Biosynthesis of a new skyllamycin in *Streptomyces nodosus*: a cytochrome P450 forms an epoxide in the cinnamoyl chain

Yuhao Song, Jose A. Amaya, Vidhi C. Murarka, Hugo Mendez, Mark Hogan, Jimmy Muldoon, Paul Evans, Yannick Ortin, Steven L. Kelly, David C. Lamb, Thomas L. Poulos and Patrick Caffrey*

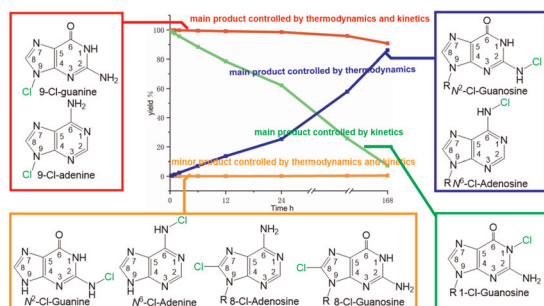
2844



Weakly acidic pH-responsive liposomal content release induced by histidine-modified agents

Ayumi Kashiwada,* Narumi Taoka, Yukiha Chijimi, Keiko Noguchi, Karin Shigematsu, Motofumi Miura and Toyofumi Suzuki

2851



Identification of reaction sites and chlorinated products of purine bases and nucleosides during chlorination: a computational study

Fuhao Zhang, Yonghang Mo, Xiaomin Cao, Yingying Zhou, Yong Dong Liu* and Rugang Zhong

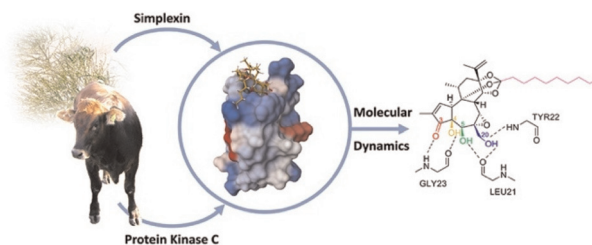


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2863

Binding of the plant-derived toxin simplexin to bovine protein kinase C: insights from molecular dynamics

Yuchen Zhou, Ras Baizureen Roseli, Natasha L. Hungerford, Mary T. Fletcher, Diane Ouwerkerk, Rosalind A. Gilbert and Elizabeth H. Krenske*



2877

Overview of alkyl quercetin lipophenol synthesis and its protective effect against carbonyl stress involved in neurodegeneration

Léa Otaegui, Jordan Lehoux, Leo Martin, Laurent Givalois, Thierry Durand, Catherine Desrumaux and Céline Crauste*

