

# Organic & Biomolecular Chemistry

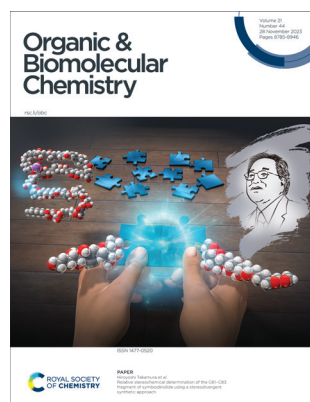
An international journal of synthetic, physical and biomolecular organic chemistry

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### Cover

See Hiroyoshi Takamura  
*et al.*, pp. 8837–8848.

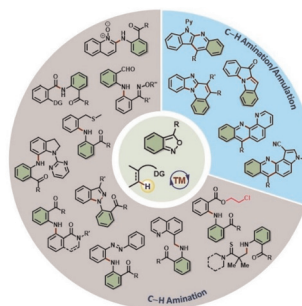
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*Org. Biomol. Chem.*, 2023,  
**21**, 8837.

## REVIEW

8794

### Advances in transition metal-catalyzed C–H amination strategies using anthranils

Yogesh N. Aher, Nilanjan Bhaduri and Amit B. Pawar\*

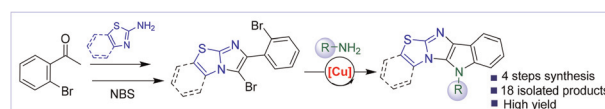


## COMMUNICATIONS

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### Facile access to 5H-thiazolo[2',3':2,3]imidazo[4,5-b]indole derivatives by two-fold Cu-catalysed C–N coupling reactions

Tran Quang Hung,\* Bao Chi Quang Nguyen,  
Ban Van Phuc, Tien Dat Dang Van, Chu Mai Trang,  
Quang Thi Kim Anh, Dang Van Do, Hien Nguyen,  
Quoc Anh Ngo and Tuan Thanh Dang\*



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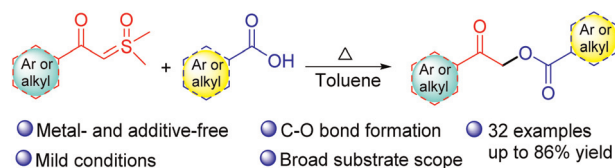


## COMMUNICATIONS

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Metal-free synthesis of  $\alpha$ -acyloxy ketones from carboxylic acids and sulfoxonium ylides

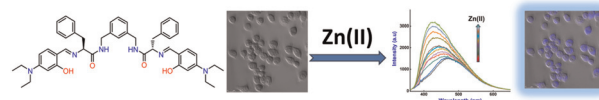
Naveen Kumar and Satyendra Kumar Pandey\*



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Intracellular Zn(II) induced *turn-on* fluorescence of an L-phenylalanine-derived pseudopeptide

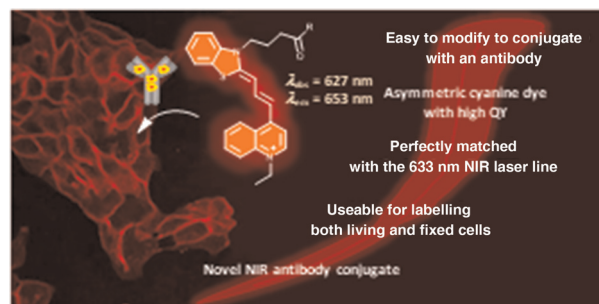
Arpna Tamrakar, Praveen Kumar, Neha Garg, Santiago V. Luis and Mritunjay D. Pandey\*



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## Effective synthesis, development and application of a highly fluorescent cyanine dye for antibody conjugation and microscopy imaging

Dénes Szepesi Kovács, Bence Kontra, Balázs Chiovini, Dalma Müller, Estilla Zsófia Tóth, Péter Ábrányi-Balogh, Lucia Wittner, György Várady, Gábor Turczel, Ödön Farkas, Michael C. Owen, Gergely Katona, Balázs Györfy, György Miklós Keserű,\* Zoltán Mucsi,\* Balázs J. Rózsa\* and Ervin Kovács\*

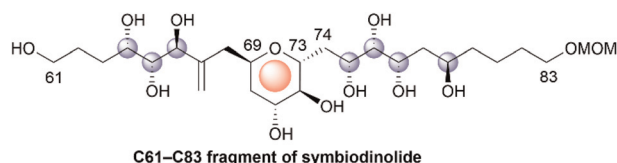


## PAPERS

8837

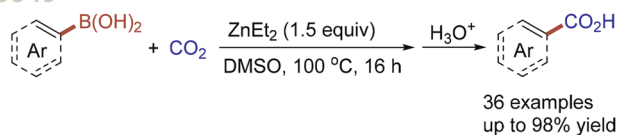
## Relative stereochemical determination of the C61–C83 fragment of symbiodinolide using a stereodivergent synthetic approach

Hiroyoshi Takamura,\* Kosuke Hattori, Takumi Ohashi, Taichi Otsu and Isao Kadota



## PAPERS

8849

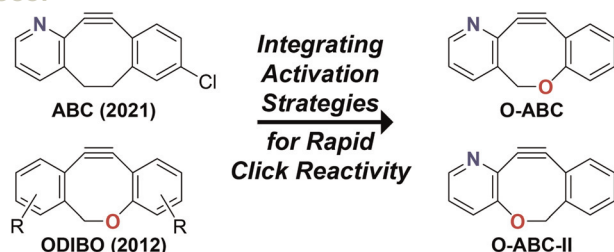


- Simple and mild conditions
- Broad substrate scope
- Without transition metal catalyst
- Gram-scale application

### Diethylzinc-promoted carboxylation of aryl/alkenyl boronic acids with CO<sub>2</sub>

Tingyu Tang, Shibiao Tang, Bin Li and Baiquan Wang\*

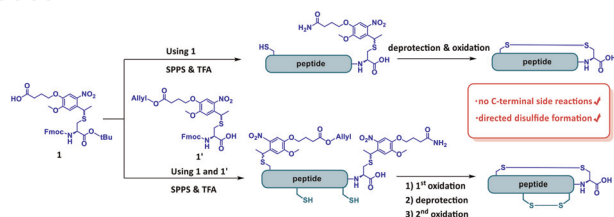
8857



### Oxa-azabenzobenzocyclooctynes (O-ABCs): heterobiaryl cyclooctynes bearing an endocyclic heteroatom

Eshani Das, Mark Aldren M. Feliciano, Pavel Yamanushkin, Xinsong Lin and Brian Gold\*

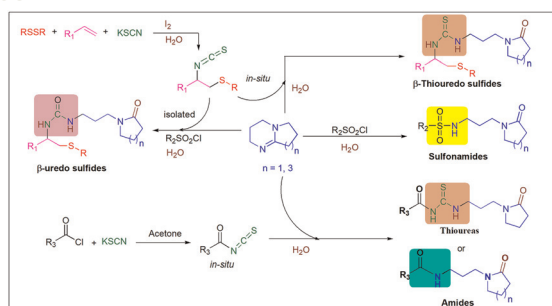
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### Synthesis of disulfide-rich C-terminal Cys-containing peptide acids through a photocleavable side-chain anchoring strategy

Jie Luo, Yuan Gao, Rui Zhao, Jing Shi\* and Yi-Ming Li\*

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### Isothiocyanates (*in situ*) and sulfonyl chlorides in water for *N*-functionalization of bicyclic amidines: access to *N*-alkylated γ-/ω-lactam derivatized thiourea and sulfonamides

Pankaj Kumar and Aman Bhalla\*

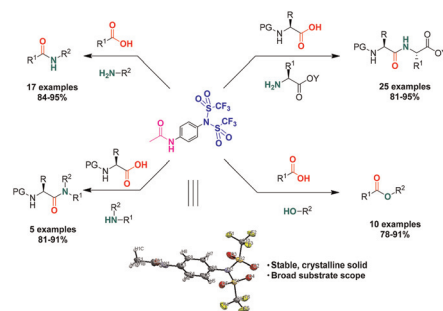


## PAPERS

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# AITF (4-acetamidophenyl triflimide) mediated synthesis of amides, peptides and esters

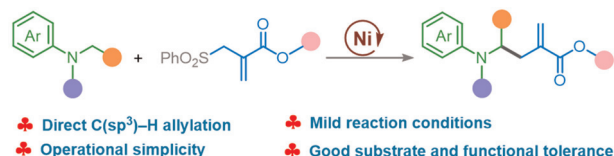
Eti Chetankumar, Swetha Bharamawadeyar, Chinthaginjala Srinivasulu and Vommina V. Sureshbabu\*



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# Nickel-catalyzed mild synthesis of functional $\gamma$ -amino butyric acid esters via direct $\alpha$ -C(sp<sup>3</sup>)-H allylation of *N*-alkyl anilines with allyl sulfones

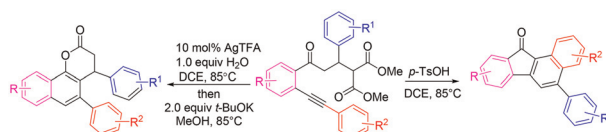
He Zhao, Xiu Li and Min Zhang\*



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# Divergent synthesis of 3,4-dihydro-2*H*-benzo[*h*]chromen-2-one and fluorenone derivatives from *ortho*-alkynylarylketones

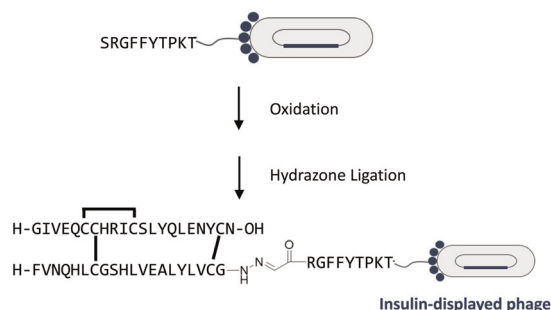
Jantra Jantrapirom, Nitwaree Palavong, Jumreang Tummatorn,\* Charnsak Thongsornkleeb and Somsak Ruchirawat



8902

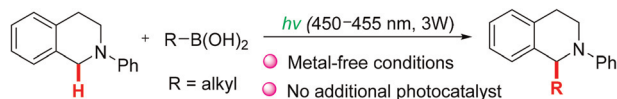
# Serine-mediated hydrazone ligation displaying insulin-like peptides on M13 phage pIII

Yi Wolf Zhang, Nan Zheng and Danny Hung-Chieh Chou\*



## PAPERS

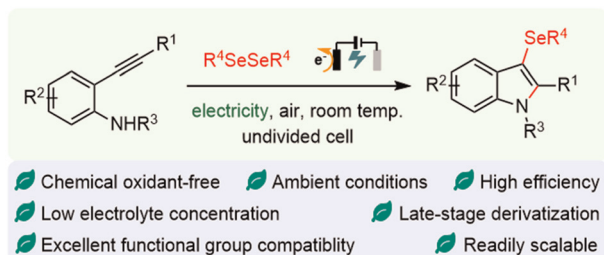
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### Visible light as a sole requirement for alkylation of $\alpha\text{-C(sp}^3\text{)}\text{-H}$ of *N*-aryltetrahydroisoquinolines with alkylboronic acids

Feihu Cong, Wenjing Zhang, Gan Zhang, Jie Liu,\*  
Yicheng Zhang, Chao Zhou\* and Lei Wang

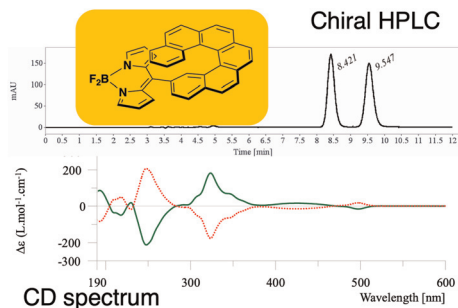
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### Electrochemical selenocyclization of 2-ethynylanilines with diselenides: facile and efficient access to 3-selenylindoles

Mingyu Zhang, Zhenyu Luo, Xinye Tang, Linmin Yu,  
Jinglin Pei, Junlei Wang,\* Caicai Lu and Binbin Huang\*

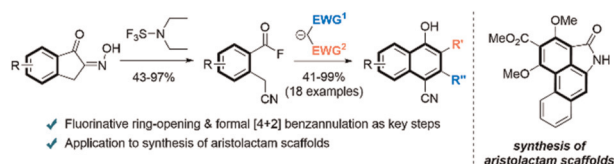
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### Porphyrin- and Bodipy-helicene conjugates: syntheses, separation of enantiomers and chiroptical properties

Vincent Silber, Marion Jean, Nicolas Vanthuyne,  
Natalia Del Rio, Paola Matozzo, Jeanne Crassous\* and  
Romain Ruppert\*

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### A deconstruction–reconstruction strategy to access 1-naphthol derivatives: application to the synthesis of aristolactam scaffolds

Jeong Min Bak, Moonyeong Song, Inji Shin\* and  
Hee Nam Lim\*



## CORRECTIONS

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**Correction: An efficient metal free synthesis of 2-aminobenzothiozoles – a greener approach**

Krithika Ganesh, Ganesh Sambasivam,\* Govindarajulu Gavara, Ramraj S, Gaikwad Rajendra and Sivashanmugam Karthikeyan\*

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**Correction: A facile, one-pot reductive alkylation of aromatic and heteroaromatic amines in aqueous micellar media: a chemoenzymatic approach**

Krithika Ganesh, Ganesh Sambasivam\* and Sivashanmugam Karthikeyan\*

