



Tetrahedron Letters Vol. 54, Issue 15, 2013

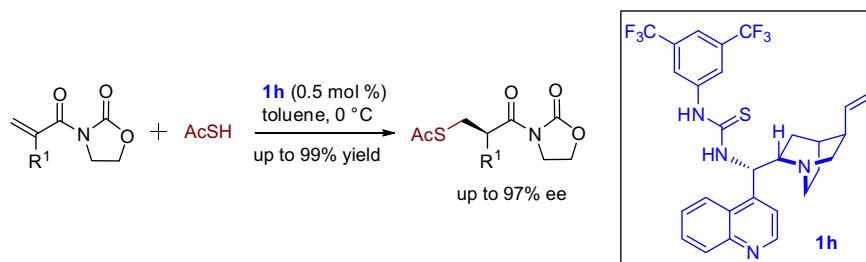
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Organocatalytic enantioselective transient enolate protonation in conjugate addition of thioacetic acid to α -substituted N-acryloyloxazolidinones

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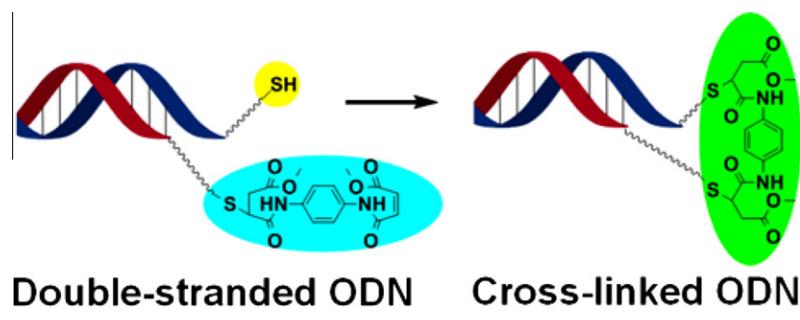
Rajshekhar A. Unhale, Nirmal K. Rana, Vinod K. Singh*



Fast thiol–maleamic methyl ester addition for facile covalent cross-linking of oligonucleotides

pp 1916–1920

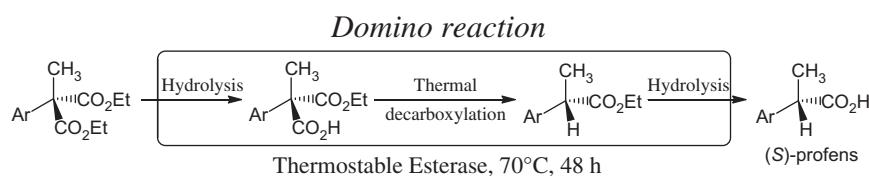
Liqiang Cao, Zhen Xi*



Thermally driven asymmetric domino reaction catalyzed by a thermostable esterase and its variants

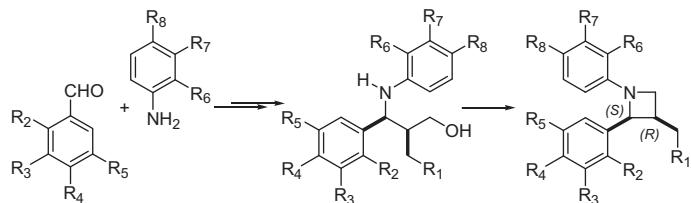
pp 1921–1923

Reina Wada, Takashi Kumon, Robert Kourist, Hiromichi Ohta, Daisuke Uemura, Shosuke Yoshida, Kenji Miyamoto*



Synthesis of optically active 1,2,3-trisubstituted azetidines employing an organocatalytic approach with L-proline
Marcela Amongero, Teodoro S. Kaufman*

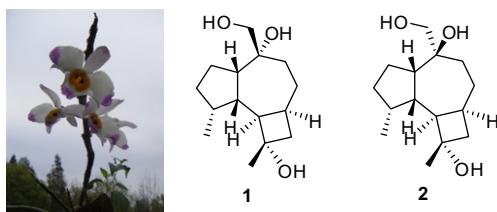
pp 1924–1927



Dendrowardols A and B, two new sesquiterpenoids from *Dendrobium wardianum* Warner

pp 1928–1930

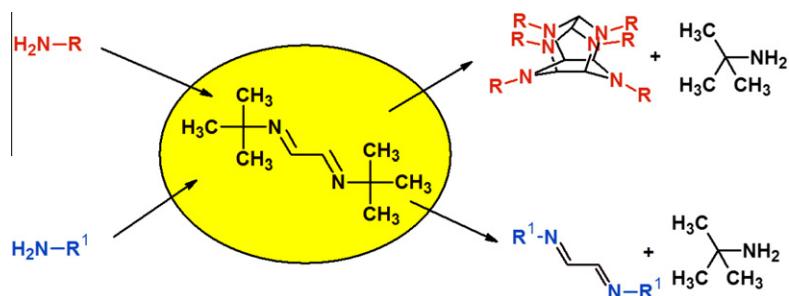
Wei-Wei Fan, Feng-Qing Xu, Fa-Wu Dong, Xiao-Nian Li, Xiao-Yong Wei, Jun Zhou, Jiang-Miao Hu*



A novel approach for the synthesis of hexaazaisowurtzitane derivatives

pp 1931–1932

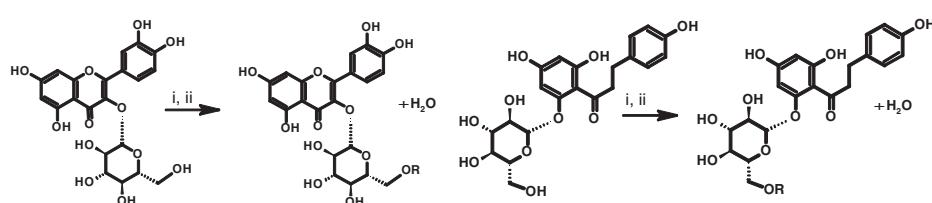
Sergey G. Il'yasov*, Maya V. Chikina



An efficient microwave-assisted enzyme-catalyzed regioselective synthesis of long chain acylated derivatives of flavonoid glycosides

pp 1933–1937

Ziaullah, H. P. Vasantha Rupasinghe*

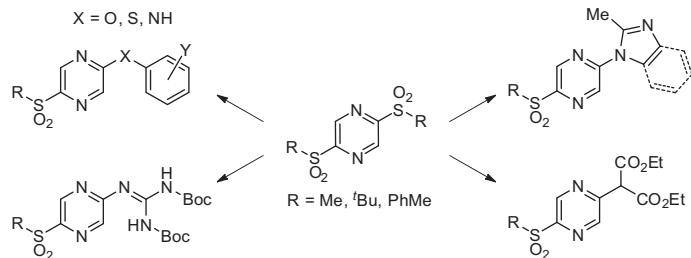


Our present investigation provides a facile, efficient, and economical method of microwave-assisted biocatalytic regioselective synthesis of long chain acylated derivatives of isoquercitrin and phloridzin. (i) Acetone, 3 Å molecular sieves, Novozyme 435®, 45 °C; (ii) R = Oleic, Stearic, Linoleic, Linolenic, Eicosapentaenoic (EPA), Docosahexaenoic Acids (DHA), or their corresponding esters.

2,5-Bis-(sulfonyl)pyrazines as unprecedented building blocks and their S_NAr reactions

pp 1938–1942

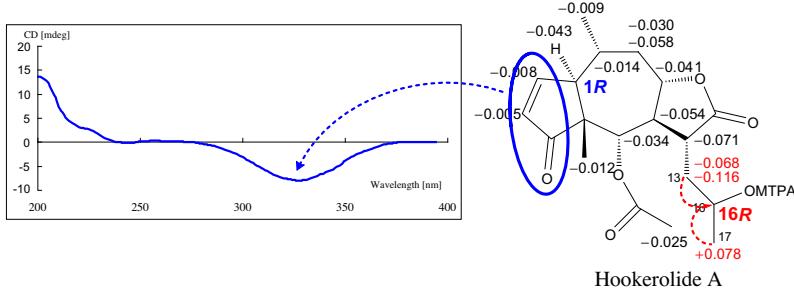
Jie Jack Li, Wei Meng, Shung Wu, Yong-Jin Wu, Jason Guernon, Martin P. Allen, Michael M. Miller*, Peter T. Cheng, Bang-chi Chen



Hookerolides A–D, the first naturally occurring C₁₇-pseudoguaianolides from *Inula hookeri*

pp 1943–1946

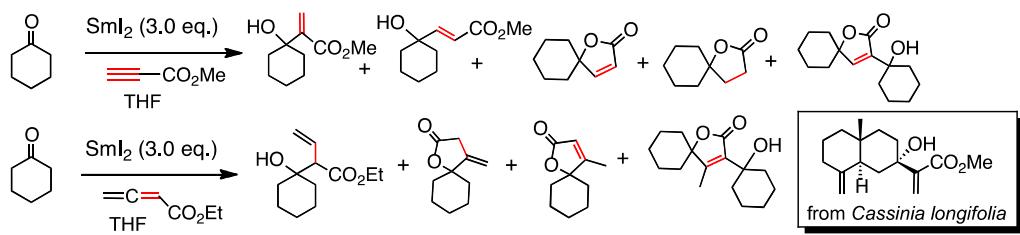
Xiang-Rong Cheng, Jie Ren, Chun-Hui Wang, Bin Guan, Jiang-Jiang Qin, Shi-Kai Yan, Hui-Zi Jin*, Wei-Dong Zhang*



Samarium (II) iodide-induced intermolecular coupling of α,β -unsaturated esters with ketones: reactions of methyl propiolate and ethyl buta-2,3-dienoate with cyclohexanone and its application to synthesis of a terpene carboxylic acid

pp 1947–1950

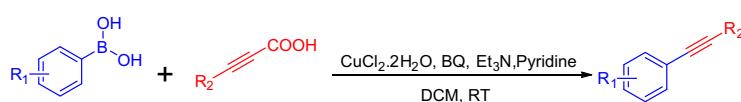
Masakazu Sono, Natsuki Doi, Eri Yoshino, Sachiko Onishi, Daiki Fujii, Motoo Torii*



Cu-catalyzed decarboxylative coupling of propiolic acids with boronic acids

pp 1951–1955

Leilei Shi, Wei Jia, Xun Li*, Ning Jiao*



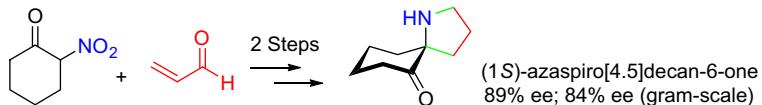
A mild procedure of Cu-catalyzed decarboxylative cross-coupling of aryl- and alkynyl-boronic acids for construction of unsymmetrical substituted alkynes has been developed. The usage of inexpensive copper chloride as catalyst, and employing stable alkynyl carboxylic acids and boronic acids as the substrates under oxidative conditions for $sp-sp^2$ coupling, make this method very easy to operate.



Organocatalytic enantioselective conjugate addition of 2-nitrocyclohexanone to acrylaldehyde: a concise two-step synthesis of chiral building block 1-azaspiro[4.5]decan-6-one

pp 1956–1959

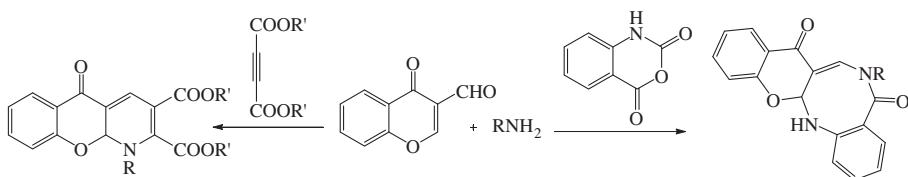
Xiao-Hua Ding, Wei-Chen Cui, Xiang Li, Xuan Ju, Dan Liu, Shaozhong Wang, Zhu-Jun Yao*



A three-component synthesis of benzochromenodiazocines and chromenopyridines

pp 1960–1962

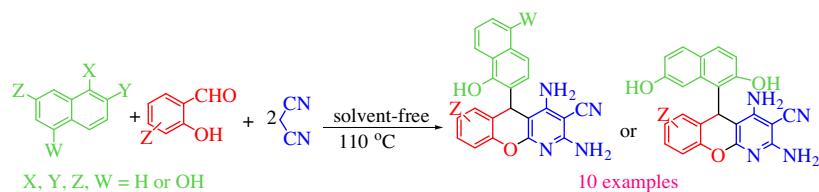
Zahra Dolatkhah, Mahnaz Nasiri-Aghdam, Ayoob Bazgir*



A one-pot, pseudo four-component synthesis of novel benzopyrano[2,3-*b*]pyridines under solvent-free conditions

pp 1963–1966

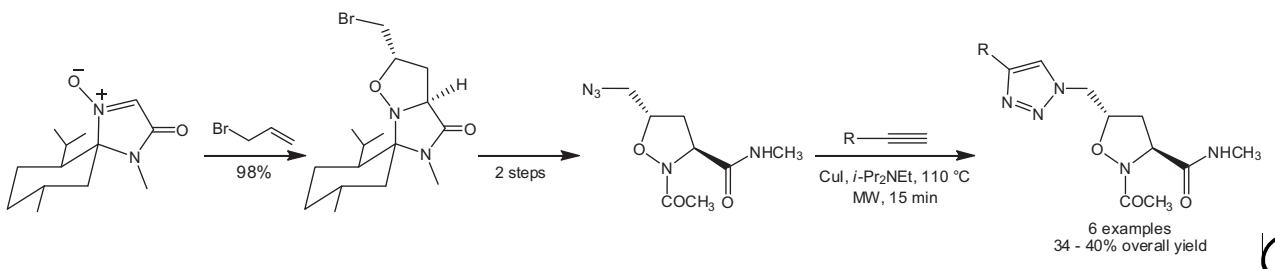
Abolfazl Olyaei*, Mohsen Vaziri, Reza Razeghi



Stereoselective synthesis of 1,2,3-triazolyl-functionalized isoxazolidines, via two consecutive 1,3-dipolar cycloadditions, as precursors of unnatural amino acids

pp 1967–1971

Kaïss Aouadi*, Sébastien Vidal, Moncef Msaddek, Jean-Pierre Praly



Sulfonated polypyrene (S-PPR) as efficient catalyst for esterification of carboxylic acids with equimolar amounts of alcohols without removing water

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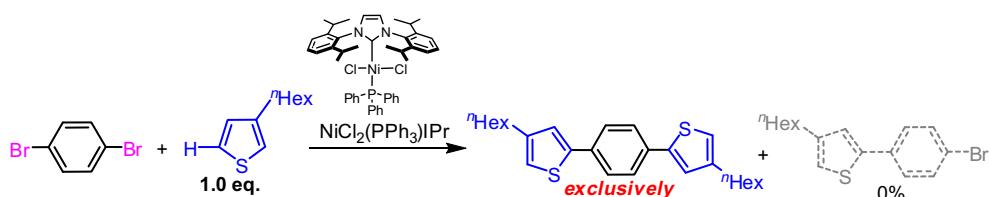
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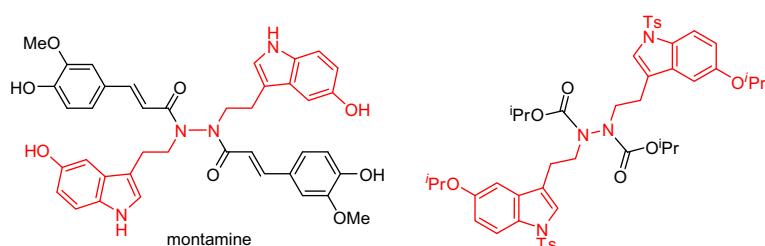
Shota Tanaka, Go Tatsuta, Atsushi Sugie, Atsunori Mori*



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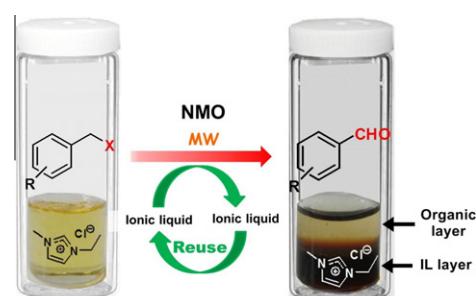
Lachlan M. Blair, Jonathan Sperry*



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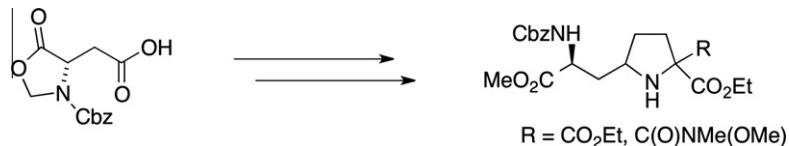
Bannarak Khumraksa, Wong Phakhodee, Mookda Pattarawaranaporn*



A direct route to 2,2,5-trisubstituted pyrrolidines of relevance to kaitocephalin

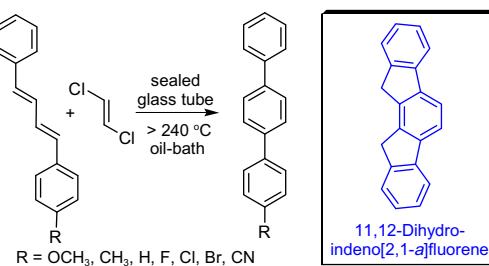
pp 1987–1990

Nandkishor Chandan, Mark G. Moloney*

**Syntheses of *p*-terphenyls and 11,12-dihydroindeno[2,1-*a*]fluorene by one-pot benzannulation of Diels–Alder reactions of *trans*-1,2-dichloroethene and dienes**

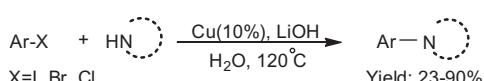
pp 1991–1993

Jinn-Hsuan Ho*, Yu-Chen Lin, Li-Ting Chou, Ying-Zhe Chen, Wei-Qi Liu, Chao-Li Chuang

**N-arylation of heterocycles catalyzed by activated-copper in pure water**

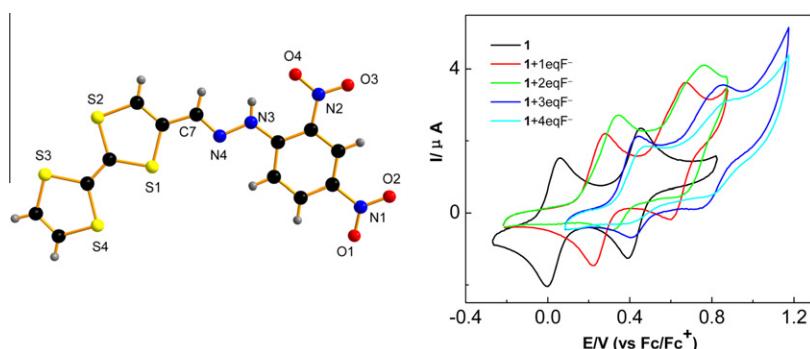
pp 1994–1997

Qichao Yang, Yufang Wang, Dong Lin, Mingjie Zhang*

**Large and selective electrochemical response to fluoride by a tetrathiafulvalene-based sensor**

pp 1998–2000

Jing Xiong, Long Cui, Wei Liu, Jonathon E. Beves, Yu-Yang Li, Jing-Lin Zuo*



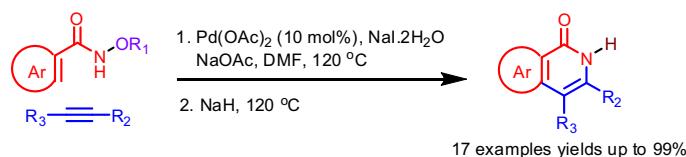
A new dual electro-optical fluoride sensor based on tetrathiafulvalene (TTF) generates the largest known electrochemical response to fluoride ions, a $\Delta E_{1/2}$ of almost 400 mV. The sensor is highly selective for fluoride over other anions, and displays 'naked eye' optical detection.



A practical one-pot procedure for the synthesis of N-H isoquinolones

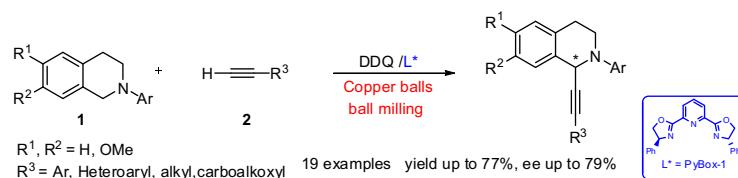
pp 2001–2005

Shaonan Lu, Yingfu Lin, Hongban Zhong, Kang Zhao, Jianhui Huang*

**Fast, solvent-free asymmetric alkynylation of prochiral sp^3 C–H bonds in a ball mill for the preparation of optically active tetrahydroisoquinoline derivatives**

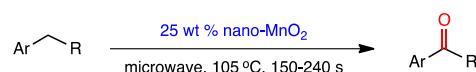
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Jingbo Yu, Zhenhua Li, Kanyan Jia, Zhiqiang Jiang, Menglu Liu, Weike Su*

**Efficient oxidation of arylmethylenes using nano- MnO_2**

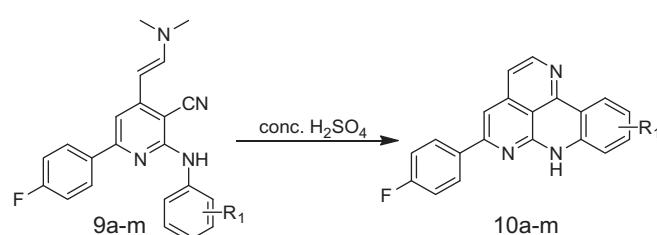
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Baskar Nammalwar, Chelsea Fortenberry, Richard A. Bunce*, Sathish Kumar Lageshetty, Kevin D. Ausman

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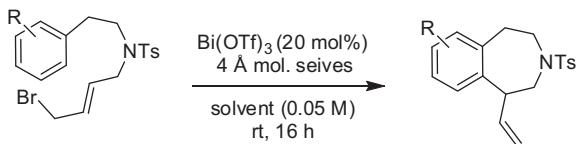
Vishnu Basetti, Rangarao Pallepati, Subramanya Hosahalli, Vijay Potluri*



Synthesis of 3-benzazepines and azepino[4,5-*b*]heterocyclic ring systems via intramolecular Friedel–Crafts cyclization

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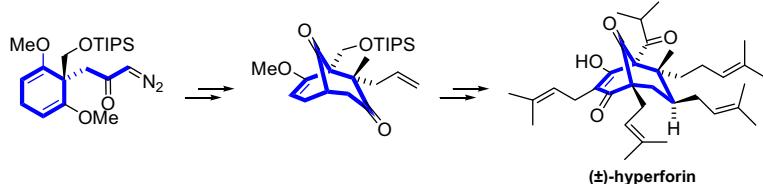
Robert B. Kargbo*, Zohreh Sajjadi-Hashemi, Sujata Roy, Xiaomin Jin, R. Jason Herr



Stereoselective total synthesis of (±)-hyperforin via intramolecular cyclopropanation

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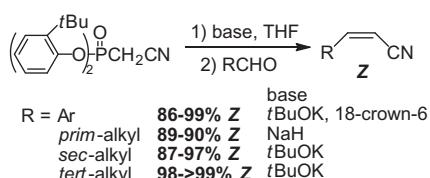
Masahiro Uwamori, Masahisa Nakada*



Highly Z-selective synthesis of α,β-unsaturated nitriles using the Horner–Wadsworth–Emmons reaction

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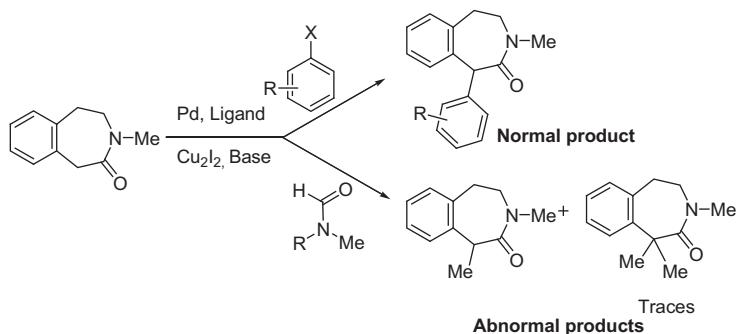
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Microwave assisted palladium catalyzed intermolecular α-arylation of copper-amide enolate of benzazepine

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Amit Verma, Navneet Prajapati, Sujata Salecha, Rajani Giridhar, Mange Ram Yadav*



*Corresponding author

 [†] Supplementary data available via SciVerse ScienceDirect

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