

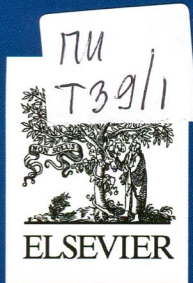
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Tetrahedron Letters

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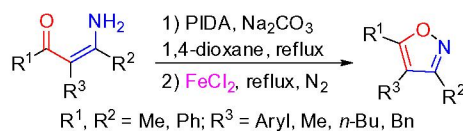
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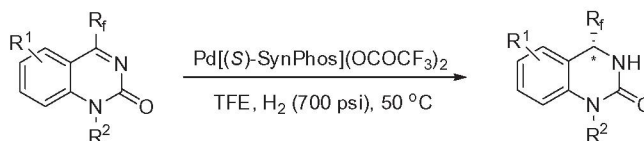
- One-pot synthesis of isoxazoles from enamines: an application of Fe(II) as the catalyst for ring expansion of 2*H*-azirine intermediates** pp 6157–6160

Yunhui Zheng, Chao Yang, Daisy Zhang-Negrerie, Yunfei Du*, Kang Zhao*



- Palladium-catalyzed asymmetric hydrogenation of fluorinated quinazolinones** pp 6161–6163

Ying Duan, Xiao-Yan Zhu, Jun-An Ma*, Yong-Gui Zhou*

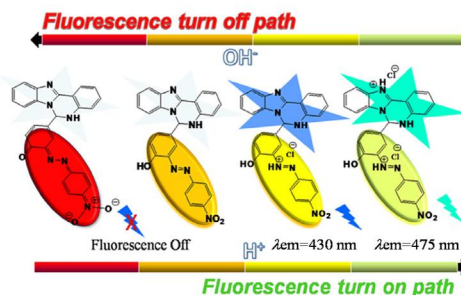


A series of fluorinated quinazolinones were hydrogenated using the chiral Pd/bisphosphine complex as the catalyst, giving the corresponding fluorinated dihydroquinazolinones with up to 98% enantioselectivity.



- Fluorescent azophenol-quinazoline dyad as multichannel reversible pH indicator in aqueous media: an innovative concept on diazo based dyads** pp 6164–6167

Amit Kumar, Rampal Pandey, Rakesh Kumar Gupta, Daya Shankar Pandey*



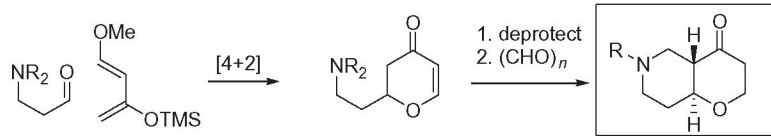
A novel azophenol-quinazoline dyad **1** has been designed, and employed as an efficient reversible multichannel pH indicator through distinct signalling in aqueous media. Owing to the competence between highly fluorescent quinazoline moiety and a well known fluorescence quencher diazo group, dyad **1** is moderately fluorescent. Under acidic conditions **1** displays diverse fluorogenic changes (blue emission at pH 4.25; green emission at pH 1.80) while under basic conditions (pH 11.80) chromogenic changes were observed.



A tandem hetero Diels–Alder/Mannich approach for the synthesis of a versatile hexahydro-2H-pyrano[3,2-c]pyridin-4(3H)-one core

pp 6168–6170

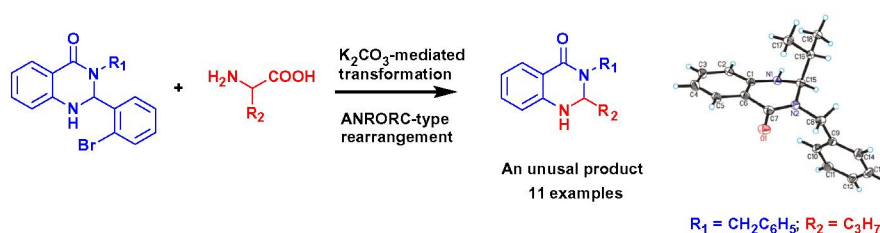
Ralph P. Robinson, Agustin Casimiro-Garcia, Sidney Liang, Dennis P. Anderson, Andrew C. Flick*



Potassium carbonate mediated unusual transformation of 2,3-dihydroquinazolinone via cascade reaction

pp 6171–6177

Moni Sharma, Rohit Mahar, Sanjeev K. Shukla, Ruchir Kant, Prem M. S. Chauhan*



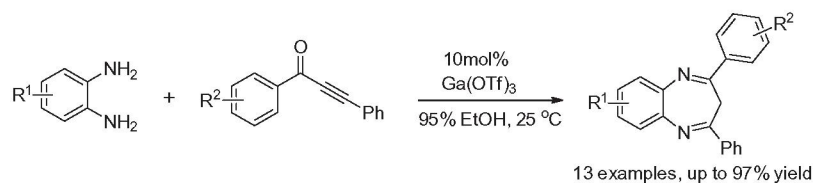
A new methodology of unusual transformation of 2,3-dihydroquinazolinone using potassium carbonate by ANRORC-type rearrangement is described.



Recyclable gallium(III) triflate-catalyzed [4+3] cycloaddition for synthesis of 2,4-disubstituted-3H-benzo[*b*][1,4]diazepines

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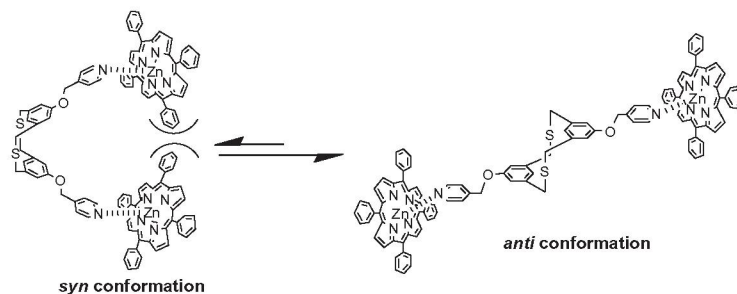
Shi-Gang Huang, Hai-Feng Mao, Shao-Fang Zhou, Jian-Ping Zou*, Wei Zhang*



Regulation of dynamic structure of cyclophanes by their complexation with the porphyrin

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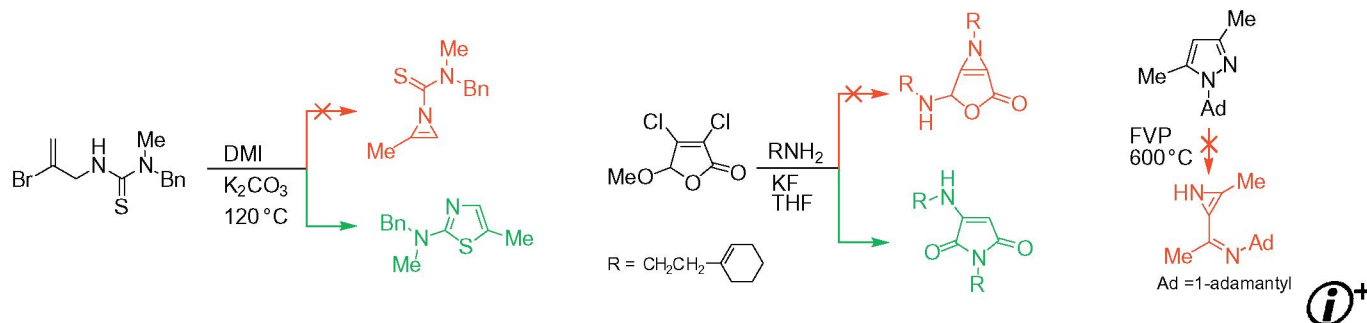
Akihiko Tsuge*, Masahiro Yokoo, Hiroyoshi Kawasaki, Daisaku Kaneko, Tetsuji Moriguchi, Koji Araki



Stable but chimeric antiaromatic 1*H*-azirines? A threefold reinvestigation

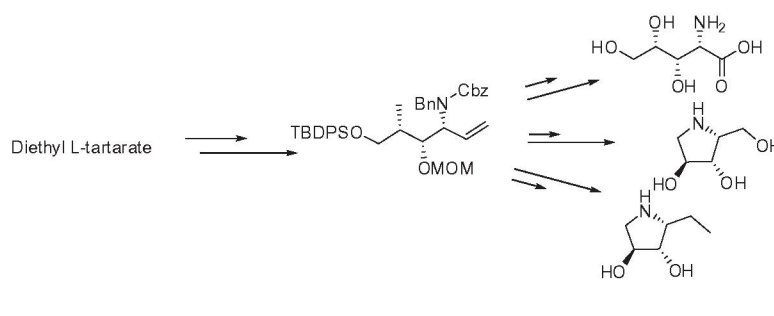
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Klaus Banert*, Sandra Bochmann, Manfred Hagedorn, Frank Richter

**Stereoselective strategy for the synthesis of (+)-polyoxamic acid and some polyhydroxylated pyrrolidines**

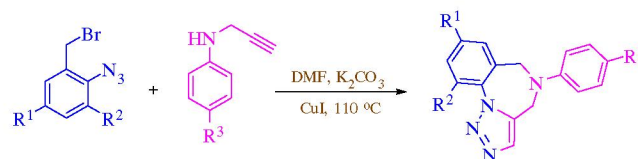
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Macha Lingamurthy, Anugula Rajender, Batchu Venkateswara Rao*

**An expedient approach to substituted triazolo[1,5-*a*][1,4]benzodiazepines via Cu-catalyzed tandem Ullmann C–N coupling/azide-alkyne cycloaddition**

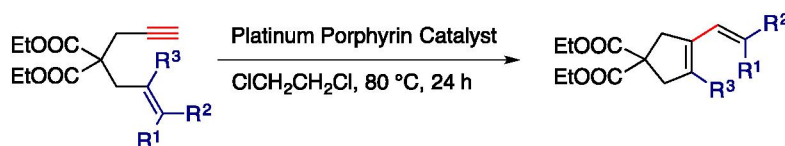
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K. C. Majumdar*, Sintu Ganai

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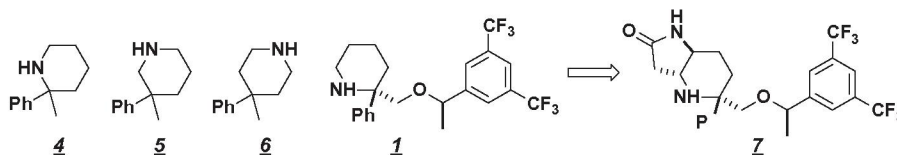
Makoto Hasegawa, Takuya Kurahashi*, Seiji Matsubara*



Conformation of *gem*-disubstituted alkylarylpiperidines and their implication in design and synthesis of a conformationally-rigidified NK₁ antagonist

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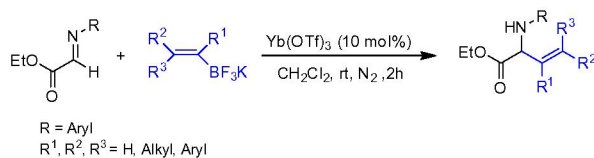
Dong Xiao*, Cheng Wang, Hon-Chung Tsui, Anandan Palani, Robert Aslanian, Alexei V. Buevich*

Confirmation studies of piperidines **1** and **4–6** revealed insights that guided design and synthesis of a potent NK₁ antagonist **7** with excellent pharmacokinetic properties.

Synthesis of α -alkenyl- α -amino esters via addition of potassium Alkenyltrifluoroborate salts to imine in the presence of Yb(OTf)₃

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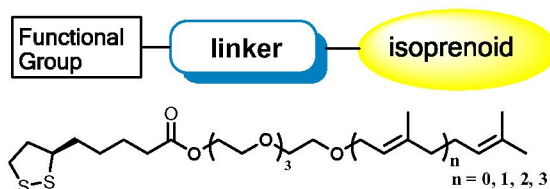
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Synthesis of isoprenoid chain-contained chemical probes for an investigation of molecular interactions by using quartz crystal microbalance

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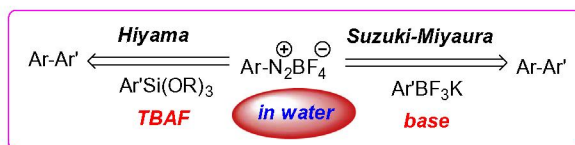
Wujun Liu, Yixin Zhang, Shuhua Hou, Zongbao Kent Zhao*



Pd-catalyzed cross-coupling reactions of arenediazonium salts with arylsilanes and aryltrifluoroborates in water

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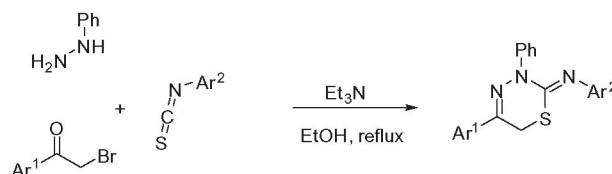
Kai Cheng, Baoli Zhao, Sai Hu, Xian-Man Zhang, Chenze Qi*



A novel and easy route to 1,3,4-thiadiazine derivatives via the three-component reaction of phenylhydrazine, α -bromo aryl ketones and aryl isothiocyanates

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Setareh Moghimi, Morteza Shiri*, Majid M. Heravi*, Hendrik G. Kruger

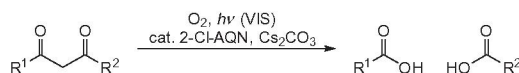


The three-component condensation of phenylhydrazine, α -bromo aryl ketones and aryl isothiocyanates leading to 1,3,4-thiadiazine derivatives is described.

Aerobic photooxidative cleavage of 1,3-diketones to carboxylic acids using 2-chloroanthraquinone

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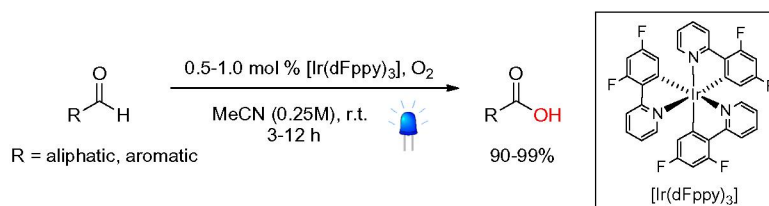
Yuma Tachikawa, Lei Cui, Yoko Matsusaki, Norihiro Tada, Tsuyoshi Miura, Akichika Itoh*



Aerobic oxidation of aldehydes by visible light photocatalysis

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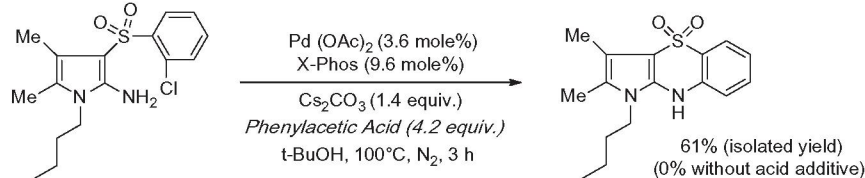
Naeem Iqbal, Sungkyu Choi, Youngmin You*, Eun Jin Cho*



Beneficial effect of carboxylic acid additives on the Pd-catalyzed intramolecular N-arylation of 2-amino-3-(2-chlorophenylsulfonyl)pyrroles

pp 6226–6229

Perounsack X. Moon, Chad E. Stephens*

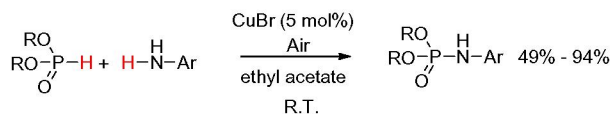


Carboxylic acid additives have been shown to significantly improve the yield of an intramolecular Buchwald–Hartwig N-arylation reaction.

Copper-catalyzed aerobic oxidative cross-coupling of arylamines and dialkylphosphites leading to N-arylphosphoramidates

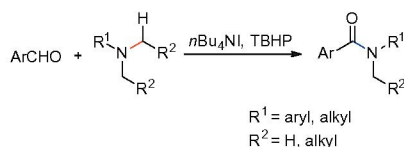
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Gao Wang, Qing-Ying Yu, Shan-Yong Chen*, Xiao-Qi Yu*


***n*Bu₄Ni-catalyzed oxidative amidation of aldehydes with tertiary amines**

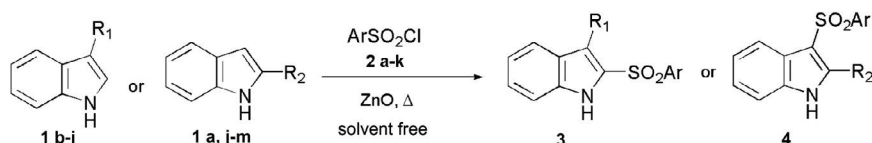
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Shan Wang, Jian Wang, Rui Guo, Gao Wang, Shan-Yong Chen*, Xiao-Qi Yu*


ZnO-mediated regioselective C-arylsulfonylation of indoles: a facile solvent-free synthesis of 2- and 3-sulfonylindoles and preliminary evaluation of their activity against drug-resistant mutant HIV-1 reverse transcriptases (RTs)

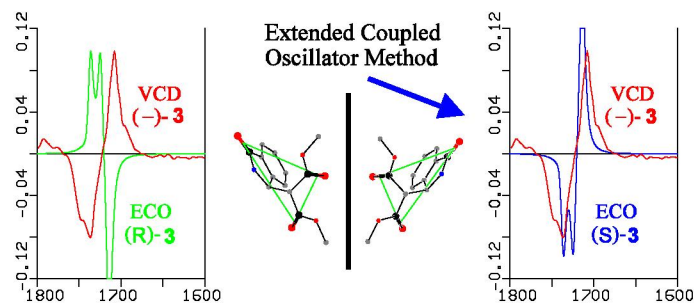
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Graziella Tocco*, Michela Begala, Francesca Esposito, Pierluigi Caboni, Valeria Cannas, Enzo Tramontano


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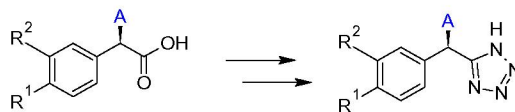
Antonio Massa*, Paola Rizzo, Guglielmo Monaco, Riccardo Zanasi*



Retention of stereochemistry in the microwave assisted synthesis of 1*H*-tetrazole bioisosteric moiety from chiral phenyl-acetic acid derivatives

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Mara Tomassetti, Michela Fanì, Gianluca Bianchini, Sandra Giuli, Andrea Aramini, Sandro Colagioia, Giuseppe Nano, Samuele Lillini*

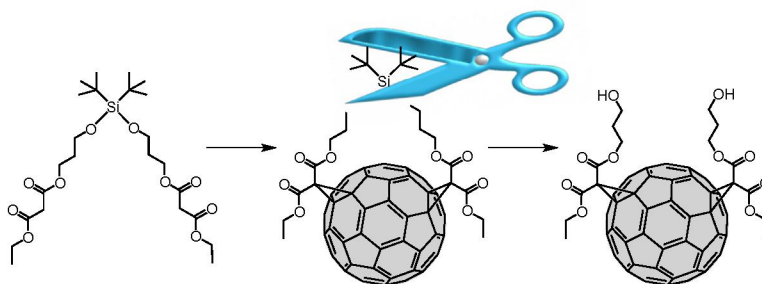


A: Me, NHCbz

**The di-*t*-butylsilylene protecting group as a bridging unit in linear and macrocyclic bis-malonates for the regioselective multifunctionalization of C₆₀**

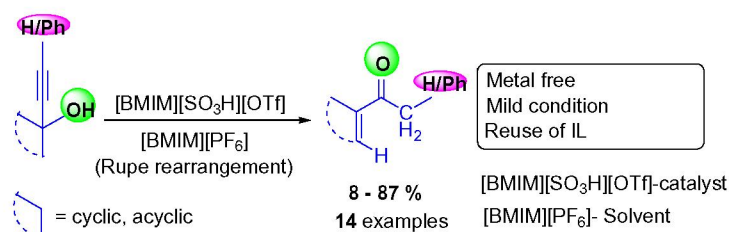
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**Mild conversion of propargylic alcohols to α,β -unsaturated enones in ionic liquids (ILs); a new 'metal free' life for the Rupe rearrangement**

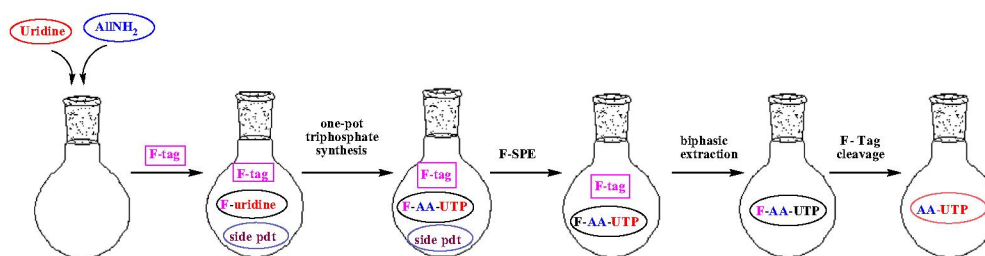
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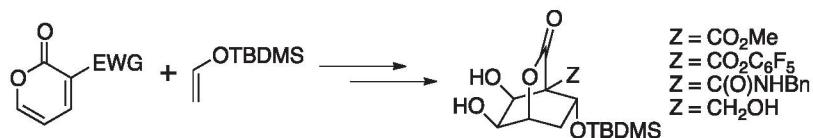
Anilkumar R. Kore*, Bo Yang, Balasubramanian Srinivasan



Highly stereocontrolled and regiocontrolled syntheses of polyoxygenated [2.2.2]oxabicyclic synthons

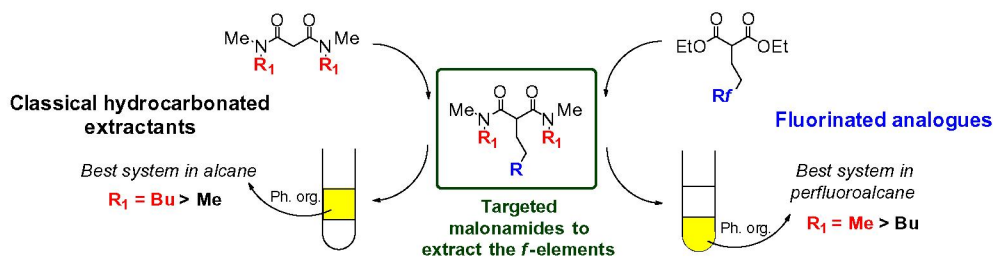
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Rachel D. Slack, Maxime A. Siegler, Gary H. Posner*

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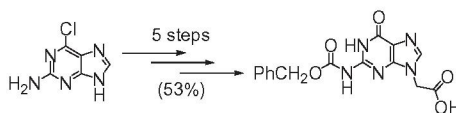
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Marie-Claire Dul, Damien Bourgeois*, Jérôme Maynadié, Daniel Meyer

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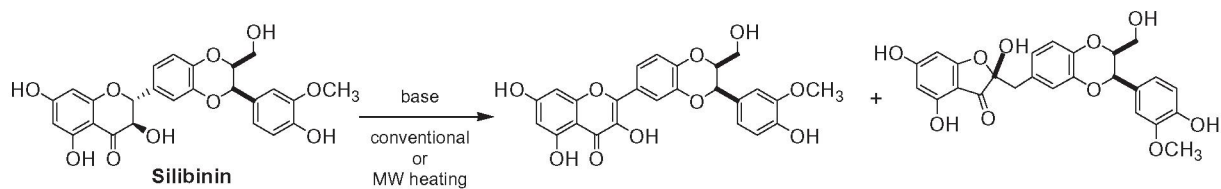
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Amelie Heuer-Jungemann, Nicola M. Howarth*, Saudatu C. Ja'AFaru, Georgina M. Rosair


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Giovanni Di Fabio, Valeria Romanucci, Mauro De Nisco, Silvana Pedatella, Cinzia Di Marino, Armando Zarrelli*



*Corresponding author

 Supplementary data available via ScienceDirect

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