



Tetrahedron Vol. 67, Issue 31, 2011

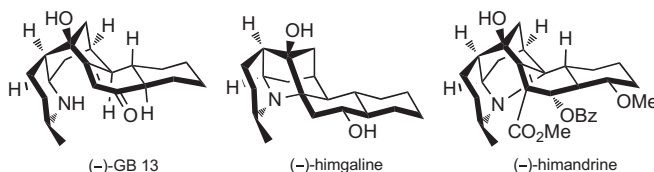
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REPORT

The galbulimima alkaloids—a new frontier in alkaloid synthesis

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Dipanjana Bhattacharyya



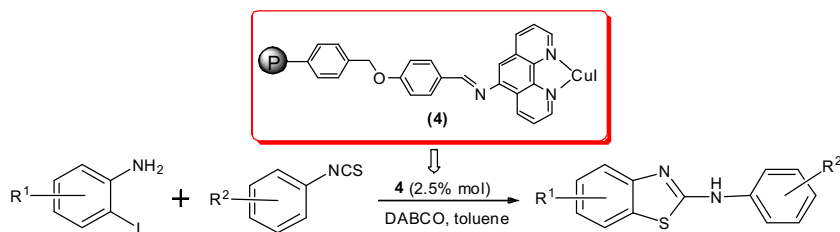
The immense synthetic challenges posed by the galbulimima alkaloids have recently been overcome by the innovative application of powerful classical methods, such as the Diels–Alder reaction, Michael addition, aldol condensation, and radical cyclization, supplemented by the invention of new reactions. These achievements are analyzed according to the different ways of assembling the various substructural ring systems.

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Merrifield resin supported phenanthroline–Cu(I): a highly efficient and recyclable catalyst for the synthesis of 2-aminobenzothiazoles via the reaction of 2-haloanilines with isothiocyanates

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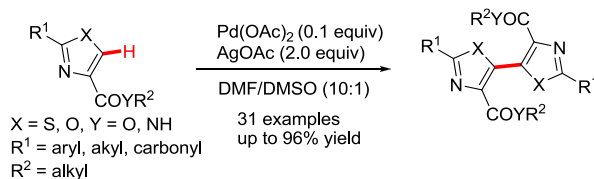
Jin Yang, Pinhua Li, Lei Wang*



Efficient palladium(II)-catalyzed homocoupling of thiazole-4-carboxylic or oxazole-4-carboxylic derivatives

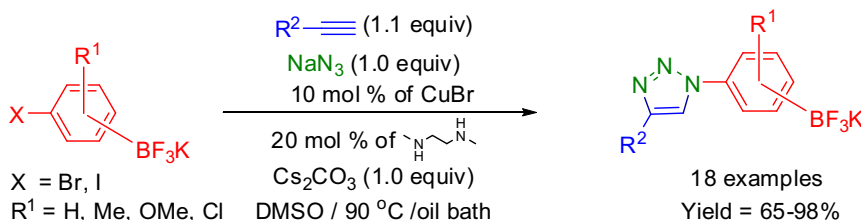
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Ziyuan Li, Yiyun Wang, Yue Huang, Changhua Tang, Jinyi Xu, Xiaoming Wu*, Hequan Yao*

**Efficient and rapid synthesis of regioselective functionalized potassium 1,2,3-triazoletrifluoroborates via 1,3-dipolar cycloaddition**

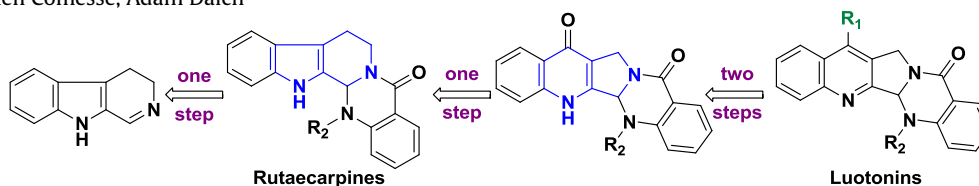
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Krishnavenu Bolla, Taejung Kim, Jung Ho Song, Seokjoon Lee, Jungyeob Ham*

**Intramolecular N-aza-amidoalkylation in association with Witkop–Winterfeldt oxidation as the key step to synthesize Luotonin-A analogues**

pp 5564–5571

Frédéric Pin, Sébastien Comesse, Adam Daïch*

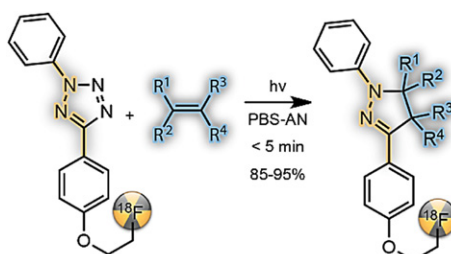


An expedient and straightforward four-step approach for the synthesis of a short library of new and original analogues of the topoisomerase-I Luotonin-A inhibitor, substituted at their C₈- and N₁₅-positions, was investigated. This consists of a succession of an intramolecular N-aza-amidoalkylation reaction with a nitrogen atom as internal nucleophile in a tandem process, the Witkop–Winterfeldt oxidation of Rutaecarpines as intermediates, followed ultimately with functional adjustment.

Photoactivated 1,3-dipolar cycloaddition for the rapid preparation of ¹⁸F labelled radiotracers

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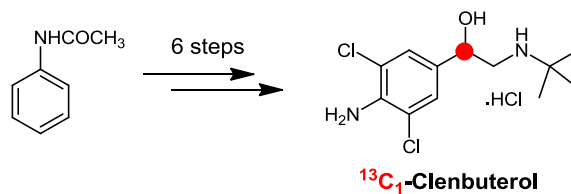
David Thonon*, Eve Goukens, Geoffroy Kaisin, Jérôme Paris, Jessica Flagothier, André Luxen



A straightforward route to obtain $^{13}\text{C}_1$ -labeled clenbuterol

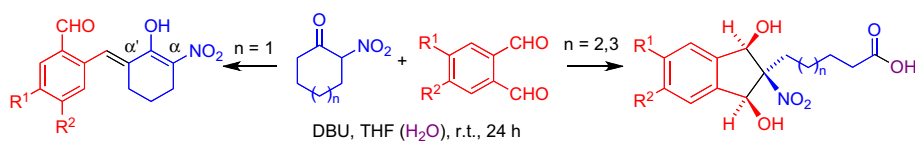
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Ana González-Antuña, Iván Lavandera, Pablo Rodríguez-González, Julio Rodríguez, José Ignacio García Alonso, Vicente Gotor*

**Two chemodivergent anionic domino processes from cyclic α -nitroketones and aromatic aldehydes**

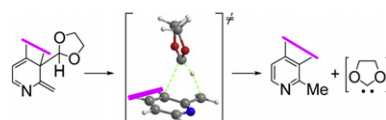
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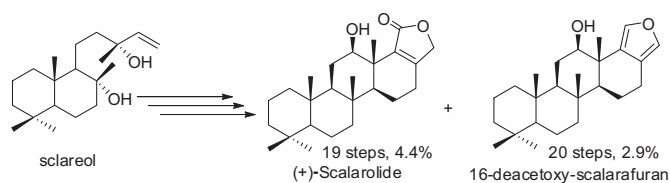
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Mateo Alajarin, Marta Marin-Luna, Maria-Mar Ortin, Pilar Sanchez-Andrada*, Angel Vidal*

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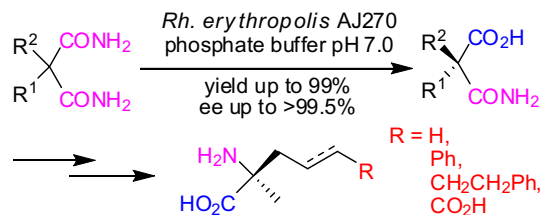
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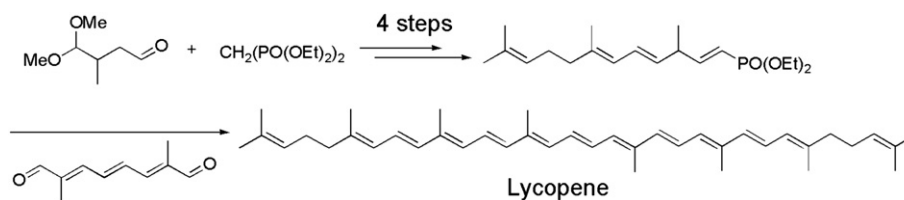
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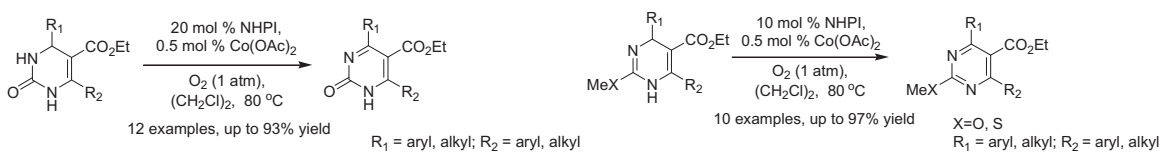
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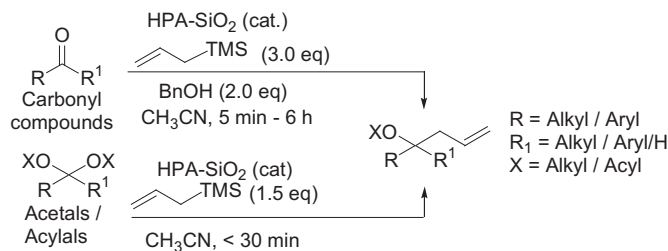
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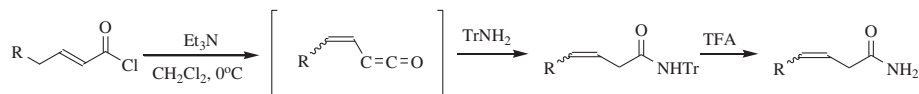
Kaliyappan Murugan, Sankareswaran Srimurugan, Chinpiao Chen*



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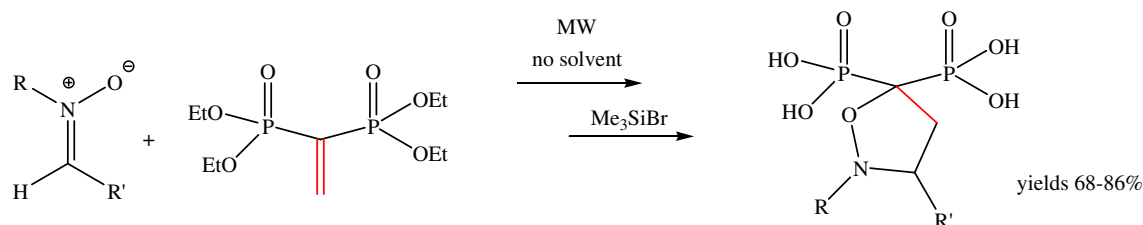
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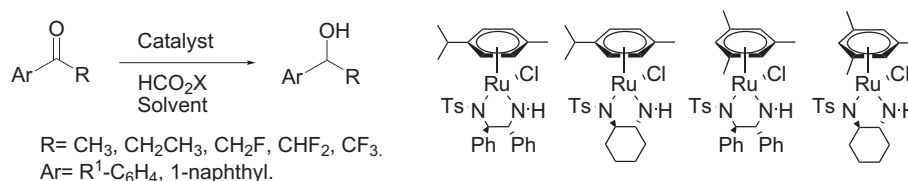
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**Investigation into the enantioselection mechanism of ruthenium–arene–diamine transfer hydrogenation catalysts using fluorinated substrates**

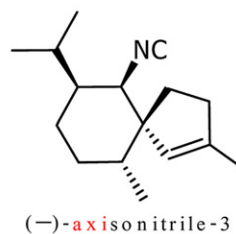
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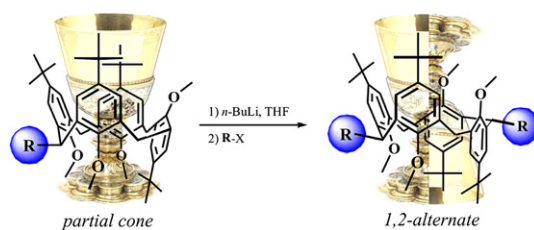
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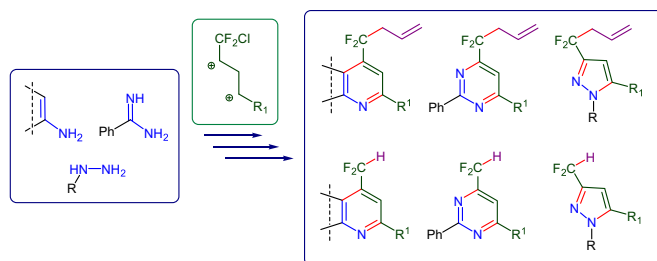
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Conrad Fischer, Guisheng Lin, Wilhelm Seichter, Edwin Weber*

**A general strategy for the synthesis of difluoromethyl-containing pyrazoles, pyridines and pyrimidines**

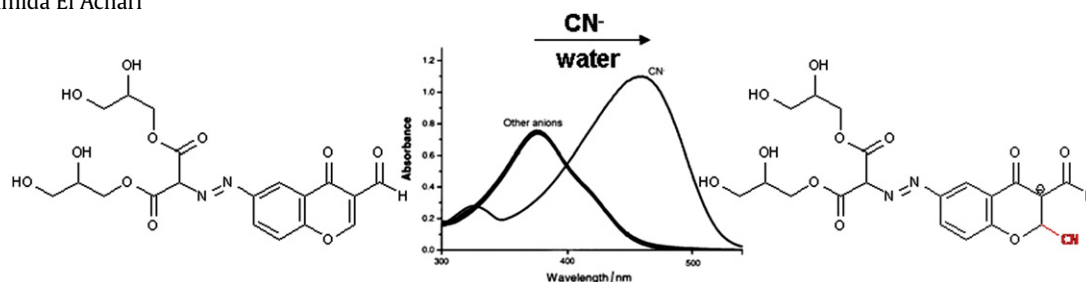
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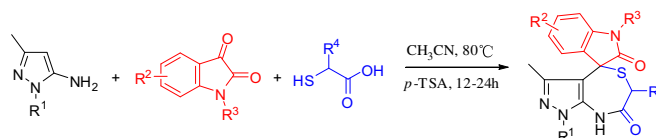
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Jalal Isaad*, Ahmida El Achari

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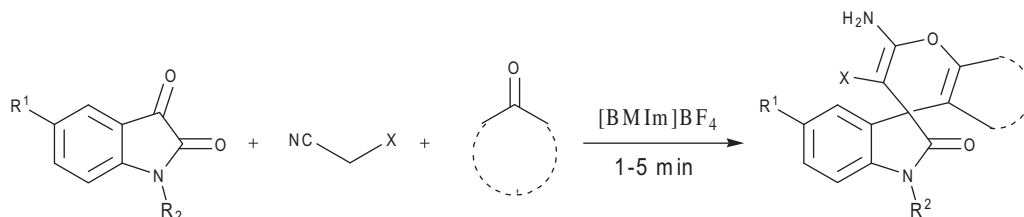
Hui Chen, Daqing Shi*



Ambient synthesis of spiro[4H-pyran-oxindole] derivatives under [BMIm]BF₄ catalysis

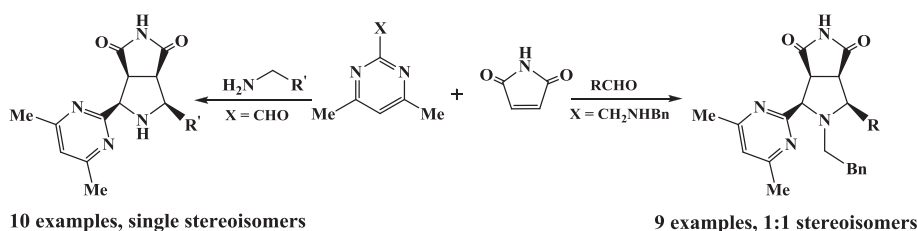
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Kurosh Rad-Moghadam*, Leila Youseftabar-Miri

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Elghareeb E. Elboray, Ronald Grigg*, Colin W.G. Fishwick, Colin Kilner, Mohammed A.B. Sarker, Moustafa F. Aly, Hussien H. Abbas-Temirek



*Corresponding author

i⁺ Supplementary data available via ScienceDirectFull text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

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