

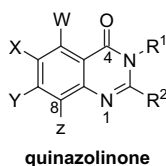
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REPORT

The chemistry of recently isolated naturally occurring quinazolinone alkaloids

pp 9787–9826

Santosh B. Mhaske* and Narshinha P. Argade*



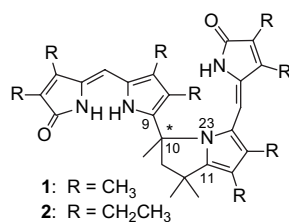
The present review portrays a concise account of the isolation, bioactivity, and synthesis of bioactive quinazolinone-based natural products for the period 1983–2005 and the recent developments in the area of complex quinazolinone natural products with a special emphasis on new synthetic routes and strategies.

ARTICLES

Novel N(23)–C(10)-linked linear tetrapyrroles

pp 9827–9831

Nicholas T. Salzameda, Michael T. Huggins and David A. Lightner*

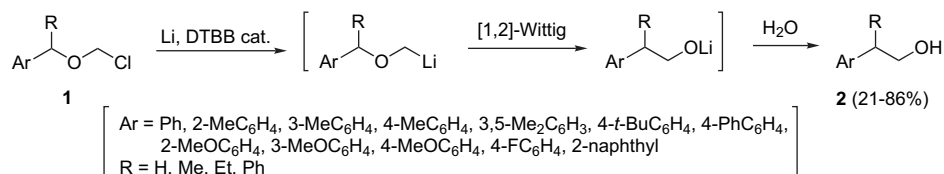


SnCl₄-catalyzed condensation of 2,3,7,8-tetramethyl-10(*H*)-dipyrinone (**3**) with acetone gave a good yield of the novel tetrapyrrole **1**. Similarly, the tetraethyldipyrinone (**4**) gave analog **2**, whose structure was proved by X-ray crystallography.

[1,2]-Wittig rearrangement from chloromethyl ethers

pp 9832–9839

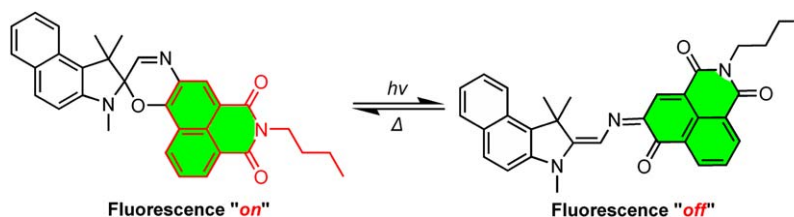
Cecilia Gómez, Beatriz Maciá, Victor J. Lillo and Miguel Yus*



Highly stable and fluorescent switching spirooxazines

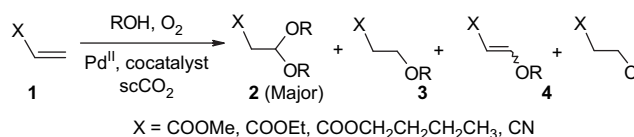
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Xianle Meng, Weihong Zhu,* Zhiqian Guo, Junqing Wang and He Tian*

**Pd(II)-catalyzed acetalization of terminal olefins with electron-withdrawing groups in supercritical carbon dioxide: selective control and mechanism**

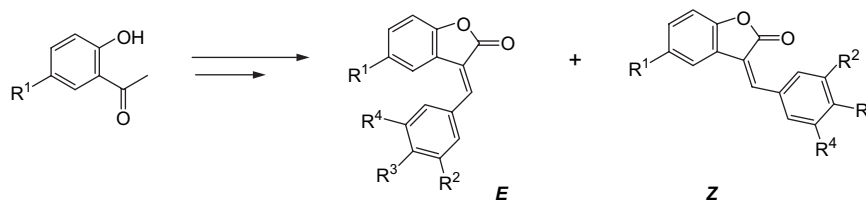
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Zhao-Yang Wang, Huan-Feng Jiang,* Xiao-Yue Ouyang, Chao-Rong Qi and Shao-Rong Yang

**Isoaurones: synthesis and stereochemical assignments of geometrical isomers**

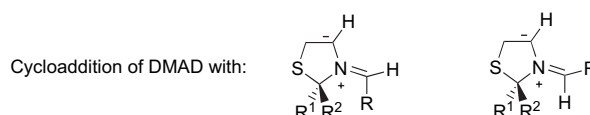
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Somepalli Venkateswarlu, Gopala K. Panchagnula, Mothukuri Bala Guraiah and Gottumukkala V. Subbaraju*

**Intermolecular cycloaddition of nonstabilized azomethine ylides generated from 1,3-thiazolidine-4-carboxylic acids: synthesis of 5,7a-dihydro-1*H*,3*H*-pyrrolo[1,2-*c*]thiazoles**

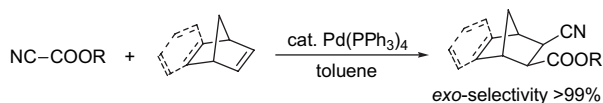
pp 9861–9871

Ana L. Cardoso, Agnieszka Kaczor, Artur M. S. Silva, Rui Fausto, Teresa M. V. D. Pinho e Melo* and António M. d'A. Rocha Gonsalves

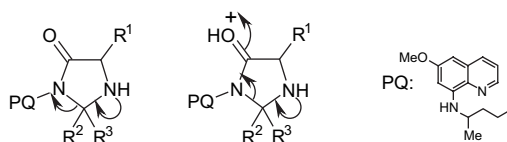


Cyanoesterification of norbornenes catalyzed by palladium: facile synthetic methodology to introduce cyano and ester functionalities via direct carbon–carbon bond cleavage of cyanoformates pp 9872–9882

Yasushi Nishihara,* Yoshiaki Inoue, Seisuke Izawa, Mitsuru Miyasaka, Kenki Tanemura, Kiyohiko Nakajima and Kentaro Takagi


Reactivity of imidazolidin-4-one derivatives of primaquine: implications for prodrug design pp 9883–9891

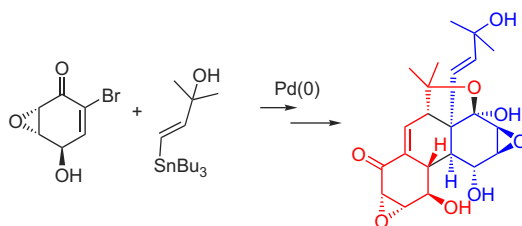
Paula Chambel, Rita Capela, Francisca Lopes, Jim Iley, José Morais, Luís Gouveia, José R. B. Gomes, Paula Gomes and Rui Moreira*



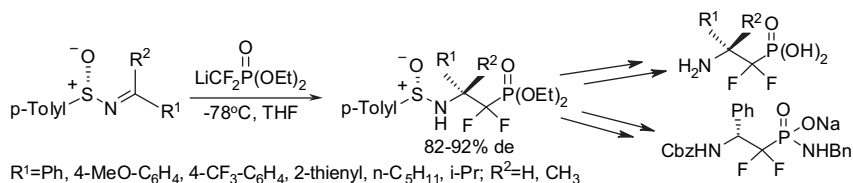
Imidazolidin-4-ones derived from primaquine are hydrolyzed via an S_N1 -type mechanism, involving an unimolecular cleavage of the imidazolidin-4-one C2–N3 bond with departure of an amide-leaving group.


Total synthesis of the epoxyquinol dimer (+)-panepophenanthrin: application of a diastereospecific biomimetic Diels–Alder dimerisation pp 9892–9901

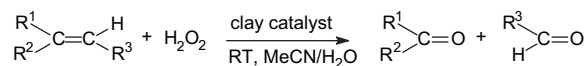
Laurent Comméras, John E. Moses,* Robert M. Adlington, Jack E. Baldwin,* Andrew R. Cowley, Christopher M. Baker, Birgit Albrecht and Guy H. Grant


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Gerd-Volker Röscenthaler, Valery P. Kukhar, Michael Yu. Belik, Kateryna I. Mazurenko and Alexander E. Sorochinsky*

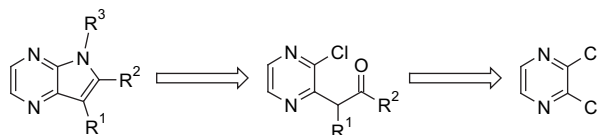


- Clay-anchored non-heme iron–salen complex catalyzed cleavage of C=C bond in aqueous medium** pp 9911–9918
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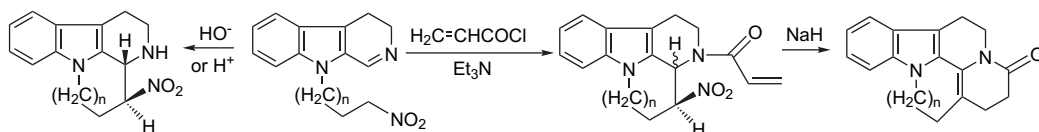


Where, R¹ = Ph
R² = H, CH₃, Ph
R³ = H, NO₂, CHO, COOH, COOCH₃

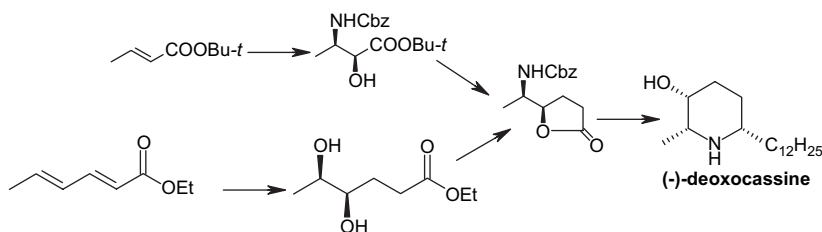
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- Annulated 1,2,3,4-tetrahydro-β-carbolines by intramolecular Mannich-type amino- and amidoalkylations of N(9)-(ω-nitroalkyl)-3,4-dihydro-β-carbolines** pp 9931–9941
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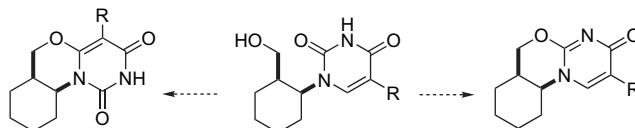
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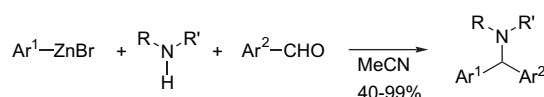
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Dolores Viña,* Elías Quezada, Lourdes Santana and Eugenio Uriarte

**One-step three-component coupling of aromatic organozinc reagents, secondary amines, and aromatic aldehydes into functionalized diarylmethylamines**

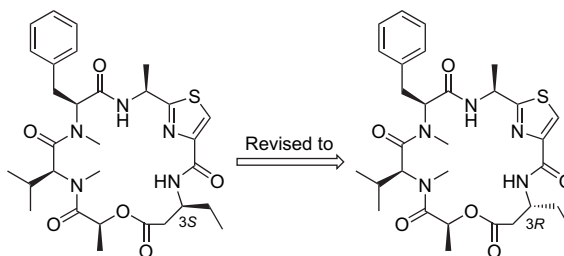
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Erwan Le Gall,* Michel Troupel and Jean-Yves Nédélec

**Total synthesis and reassignment of stereochemistry of obyanamide**

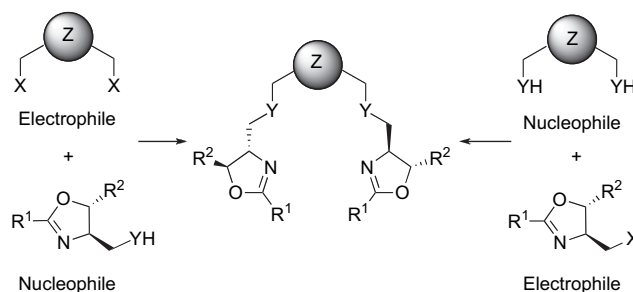
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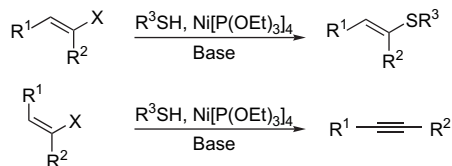
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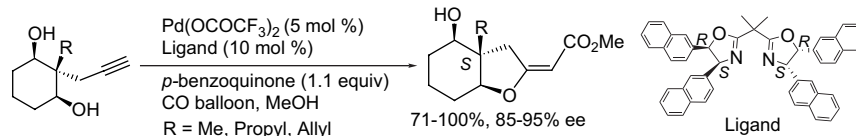


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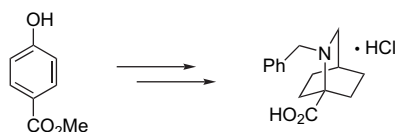
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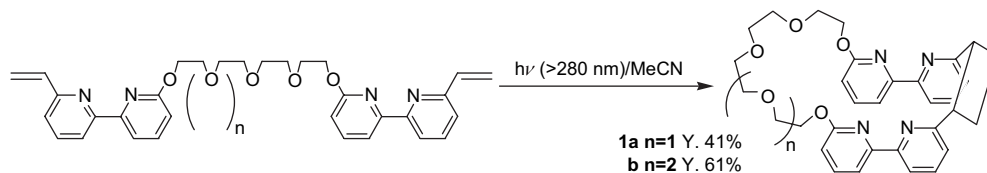
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Diego Casabona and Carlos Cativiela*

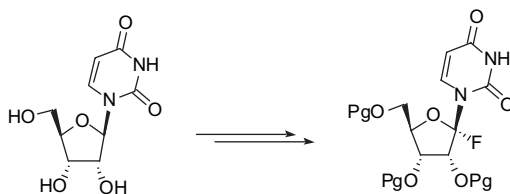

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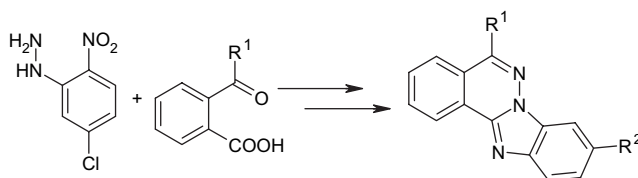


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Tetsuya Kodama, Akira Matsuda and Satoshi Shuto*

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Viktor A. Kuznetsov, Kirill M. Shubin,* Andrej A. Schipalkin and Mikhail L. Petrov



*Corresponding author

i+ Supplementary data available via ScienceDirect

COVER

Various diarylmethylamines can be easily obtained using a three-component reaction between aromatic aldehydes, secondary amines and readily available aromatic organozinc reagents. *Tetrahedron* **2006**, 62, 9953–9965.

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