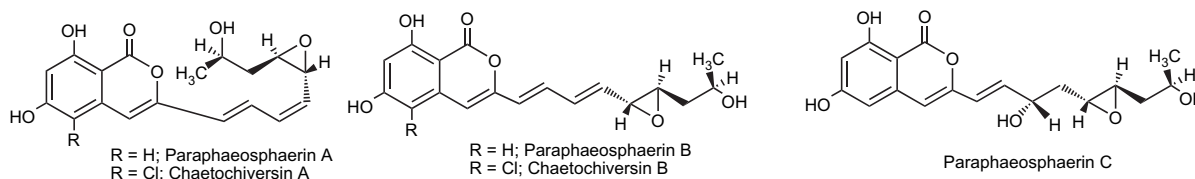


Contents

ARTICLES

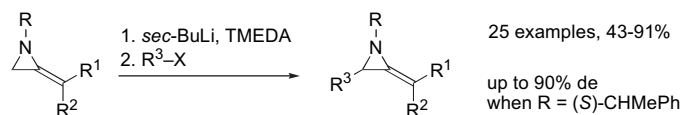
Five new isocoumarins from Sonoran desert plant-associated fungal strains *Paraphaeosphaeria quadrisepata* and *Chaetomium chiversii* pp 8439–8446

E. M. Kithsiri Wijeratne, Priyani A. Paranagama and A. A. Leslie Gunatilaka*



Generation and electrophilic substitution reactions of 3-lithio-2-methyleneaziridines pp 8447–8457

Cyril Montagne, Natacha Prévost, Jason J. Shiers, Gildas Prié, Sabitur Rahman, Jerome F. Hayes and Michael Shipman*

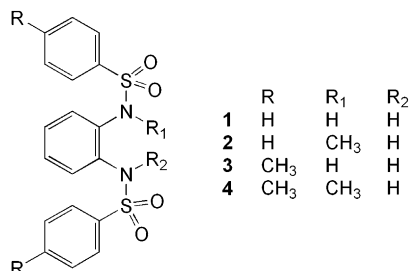


where R = alkyl; R¹, R² = H or alkyl; R³-X = MeI, BuI, BnBr, AllylBr, I(CH₂)₄Cl, (E)-PhCH=CH(CH₂)₃I, (2-furanyl)(CH₂)₃I, PhCHO, Ph₂CO, Me₃SiCl, and Bu₃SnCl.

Four different types of hydrogen bonds observed in 1,2-bis(*N*-benzenesulfonylamino)benzenes due to conformational properties of the sulfonamide moiety pp 8458–8462

Takako Kato, Hyuma Masu, Hiroaki Takayanagi, Eisuke Kaji, Kosuke Katagiri, Masahide Tominaga and Isao Azumaya*

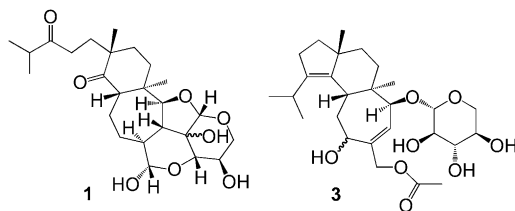
Four different types of hydrogen bonds resulting from a combination of inter- and/or intramolecular hydrogen bonds were observed in the crystals of 1,2-bis(*N*-benzenesulfonylamino)benzenes.



Erinacines J and K from the mycelia of *Hericium erinaceum*

pp 8463–8466

Hirokazu Kawagishi,* Ayano Masui, Shinji Tokuyama and Tomoyuki Nakamura

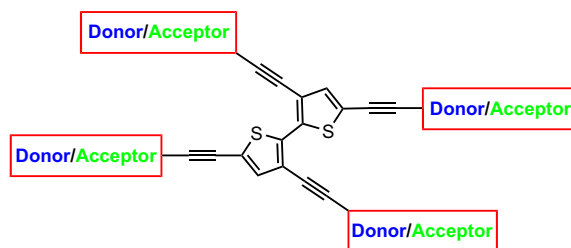


Two novel compounds, erinacines J (1) and K (3) were isolated from the cultured mycelia of *Hericium erinaceum*. Erinacine K showed anti-MRSA activity.

Two-photon absorption chromophores with a tunable [2,2']bithiophene core

pp 8467–8473

Chia-Feng Chou, Tai-Hsiang Huang, Jiann T. Lin,* Cheng-chih Hsieh, Chin-Hung Lai, Pi-Tai Chou* and Chiitang Tsai*

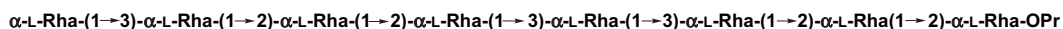
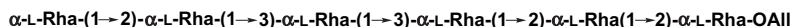
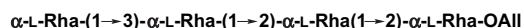


Two-photon absorption (TPA) chromophores were synthesized by sequential reactions of 3,5,3',5'-tetrabromo-[2,2']bithiophene with different terminal alkynes possessing electron donor and/or acceptor. Their TPA cross-section can be fine-tuned by the substituents.

Synthetic oligorhamnans related to the most common O-chain backbone from phytopathogenic bacteria

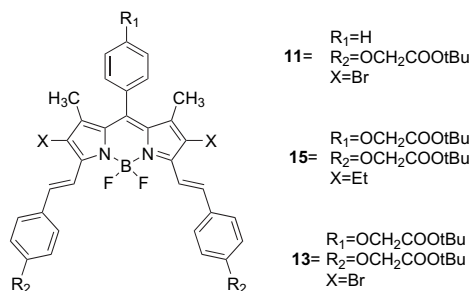
pp 8474–8483

Emiliano Bedini,* Antonella Carabellese, Daniela Comegna, Cristina De Castro and Michelangelo Parrilli

**Distyryl-boradiazaindacenes: facile synthesis of novel near IR emitting fluorophores**

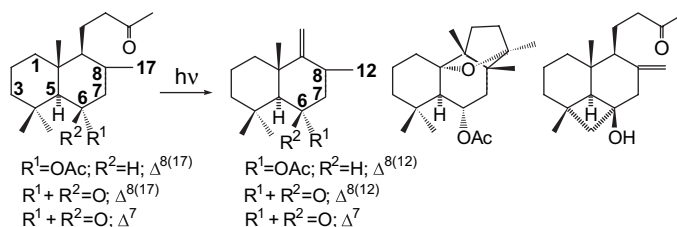
pp 8484–8488

Zeynep Dost, Serdar Atilgan and Engin U. Akkaya*

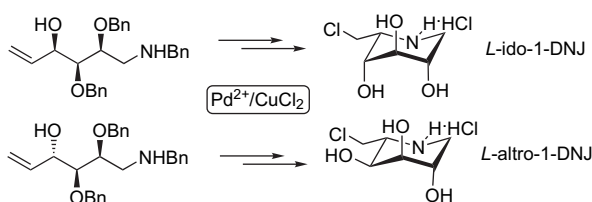


Photodegradation of some 14,15-bisnorlabdene-13-ones, derived from larixol. Synthesis of drimanic dienes with functional groups at C-6 pp 8489–8497

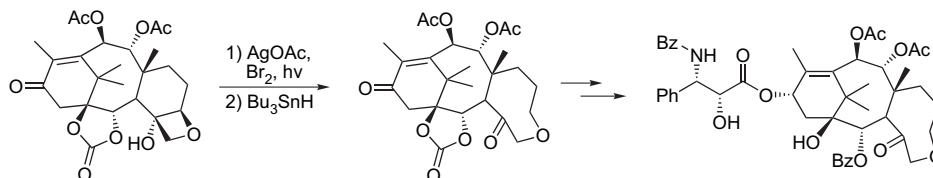
Pavel F. Vlad,* Alexandru G. Ciocarlan, Mihai N. Coltsa, Calin Deleanu, Oana Costan, Yurii A. Simonov, Victor Ch. Kravtsov, Janusz Lipkowski, Tadeusz Lis and Aede de Groot


 $\text{PdCl}_2/\text{CuCl}_2$ -catalysed chlorocyclisation of sugar-derived aminoalkenitols in the synthesis of new iminohexitols pp 8498–8502

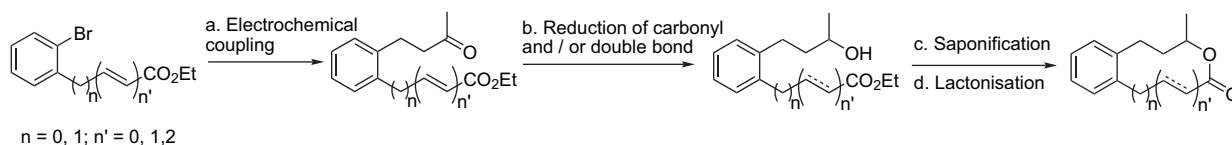
Peter Szolcsányi* and Tibor Gracza


Synthesis, biology, and modeling of a C-4 carbonyl C,D-*seco*-taxoid pp 8503–8514

Zorana Ferjancic, Radomir Matovic, Zivorad Cekovic, Yi Jiang, James P. Snyder, Vladimir Trajkovic and Radomir N. Saicic*


Access to a new family of medium ring aromatic lactones pp 8515–8524

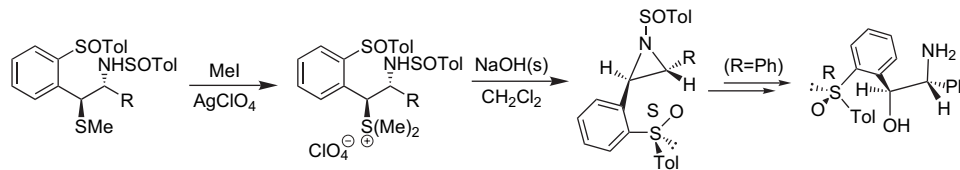
Estelle Métay, Eric Léonel,* Sylvie Condon and Jean-Yves Nédélec



Optically pure *trans*-2,3-disubstituted *N*-sulfinyl aziridines. Regio- and stereoselective opening mediated by the sulfinyl group

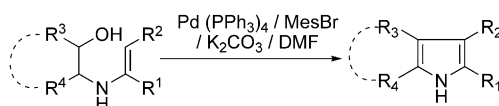
pp 8525–8532

Yolanda Arroyo,* Ángela Meana, J. Félix Rodríguez, Mercedes Santos, M. Ascensión Sanz-Tejedor* and José L. García-Ruano*


Efficient synthesis of pyrroles and 4,5,6,7-tetrahydroindoles via palladium-catalyzed oxidation of hydroxy-enamines

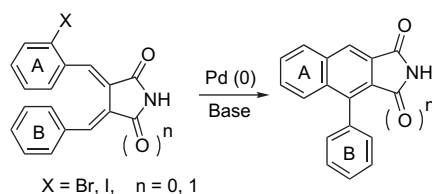
pp 8533–8538

Yutaka Aoyagi, Toshihiko Mizusaki, Masahiro Shishikura, Takashi Komine, Tokuji Yoshinaga, Haruko Inaba, Akihiro Ohta* and Koichi Takeya*


Process research on aryl naphthalene lignan aza-analogues: a new palladium-catalyzed benzannulation of α,β -bisbenzylidenesuccinic acid derivatives

pp 8539–8549

Hideya Mizufune,* Minoru Nakamura and Hiroyuki Mitsudera

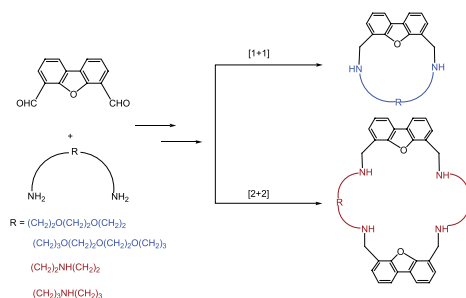


The discovery of a new Pd-catalyzed benzannulation reaction of bisbenzylidenesuccinic acid derivatives during process research on aryl naphthalene lignan aza-analogues is described.

New dioxadiaza-, trioxadiaza- and hexaaza-macrocycles containing dibenzofuran units

pp 8550–8558

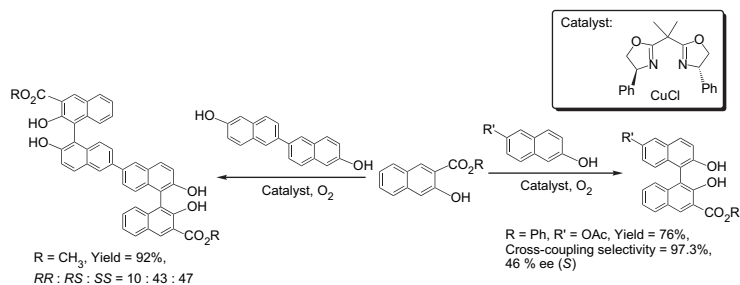
Feng Li, Rita Delgado,* Ana Coelho, Michael G. B. Drew and Vítor Félix



Cu(I)-catalyzed asymmetric oxidative cross-coupling of 2-naphthol derivatives

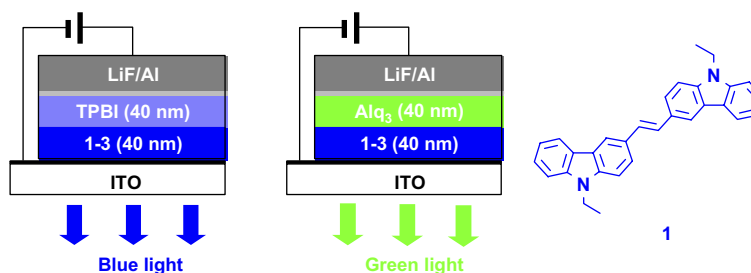
pp 8559–8563

Tomohisa Temma, Bunpei Hatano and Shigeki Habaue*

**Stilbene like carbazole dimer-based electroluminescent materials**

pp 8564–8570

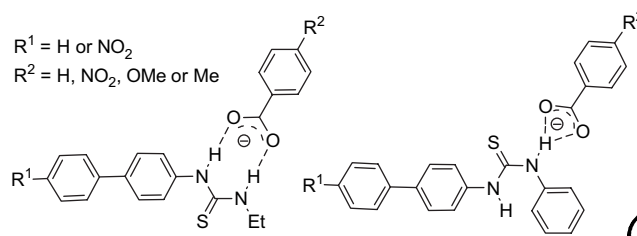
Chih-Hsin Chen, Jiann T. Lin* and Ming-Chang P. Yeh*

**N-Biphenyl thioureas as carboxylate receptors. Effect of the ligand substituents on the geometry of the complexes**

pp 8571–8577

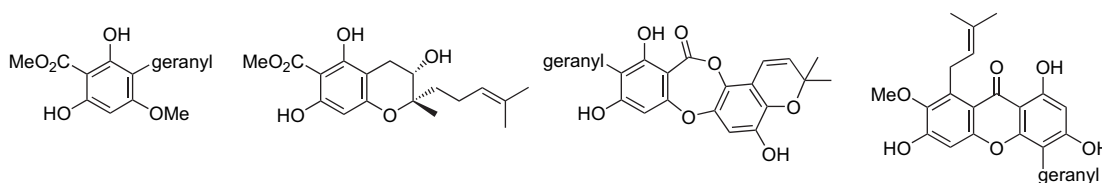
Ana M. Costero,* Pablo Gaviña, Gemma M. Rodríguez-Muñiz and Salvador Gil

Six new biphenyl thiourea derivatives have been prepared to be used in carboxylate sensing. Experiments carried out with these ligands have demonstrated that the type of interaction with TBA carboxylates is strongly dependent on the substituents in the thiourea moiety. These interactions go from the formation of 1:1 hydrogen-bonded complexes to acid–base reactions.

**Phloroglucinols, depsidones and xanthenes from the twigs of *Garcinia parvifolia***

pp 8578–8585

Vatcharin Rukachaisirikul,* Wanpen Naklue, Souwalak Phongpaichit, Nongporn Hutadilok Towatana and Katesarin Maneenoon



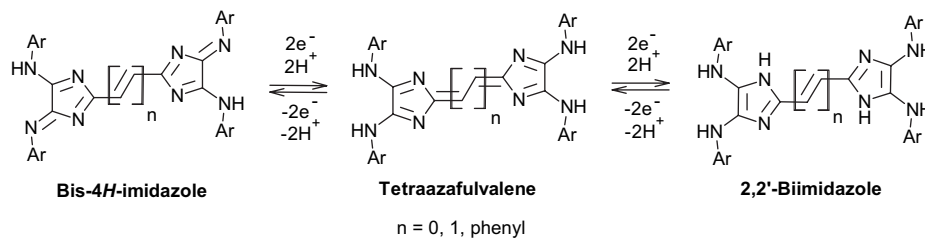
Seven phloroglucinols, two depsidones, and three xanthenes were isolated from the twigs of *Garcinia parvifolia*. Their antibacterial and antioxidant activities were evaluated.



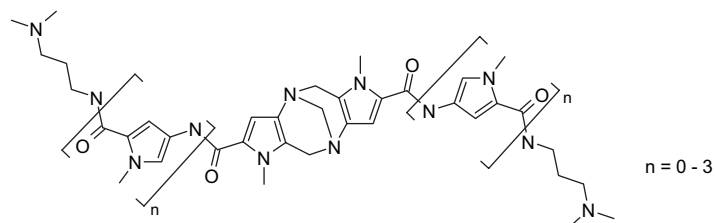
Bis-4*H*-imidazoles–tetraazafulvalenes–2,2′-biimidazoles: three variations of one redox system

pp 8586–8590

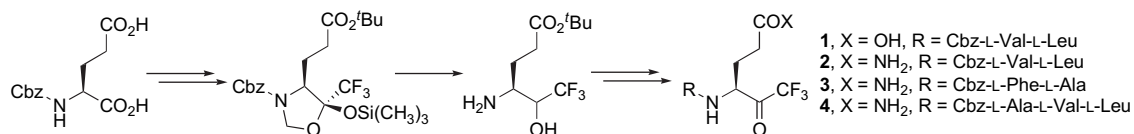
M. Matschke, C. Käpplinger and R. Beckert*

**Tröger's base scaffold in racemic and chiral fashion as a spacer for bisdistamycin formation.**

pp 8591–8600

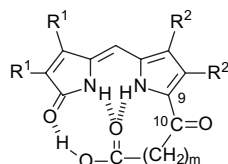
Synthesis and DNA binding study
 Martin Valík, Jaroslav Malina, Lukáš Palivec, Jarmila Foltýnová, Marcela Tkadlecová,
 Marie Urbanová, Viktor Brabec and Vladimír Král*
**Synthesis of glutamic acid and glutamine peptides possessing a trifluoromethyl ketone group as SARS-CoV 3CL protease inhibitors**

pp 8601–8609

 Magne O. Sydnnes, Yoshio Hayashi,* Vinay K. Sharma, Takashi Hamada, Usman Bacha, Jennifer Barrila,
 Ernesto Freire and Yoshiaki Kiso*
**Carboxylic acid to amide hydrogen bonding. 10-Oxo-semirubins**

pp 8610–8619

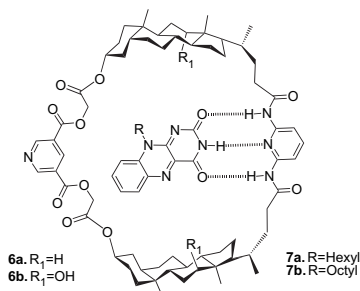
Nicholas T. Salzameda, Michael T. Huggins and David A. Lightner*

**1-6:** 10-oxo-semirubins (m=0-8)R¹ = Me or Et, R² = Me or Et
 A series of dipyrinones (**1–6**) with varying lengths of ω-oxo-alkanoic acid chains attached to C(9) display hydrogen bonding between the CO₂H and dipyrinone lactam and pyrrole.

Synthesis and binding ability of bile acid-based receptors for recognition of flavin analogues

Prosenjit Chattopadhyay and Pramod S. Pandey*

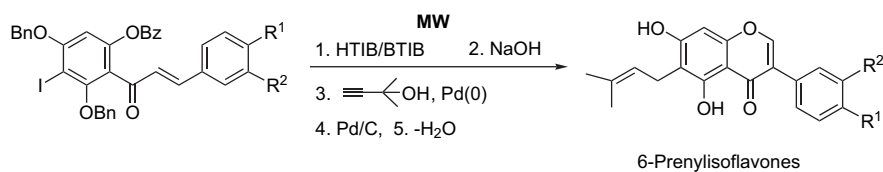
pp 8620–8624



Microwave-assisted regioselective synthesis of natural 6-prenylpolyhydroxyisoflavones and their hydrates with hypervalent iodine reagents

Mohammad M. Hossain, Yasuhiko Kawamura, Kazuyo Yamashita and Masao Tsukayama*

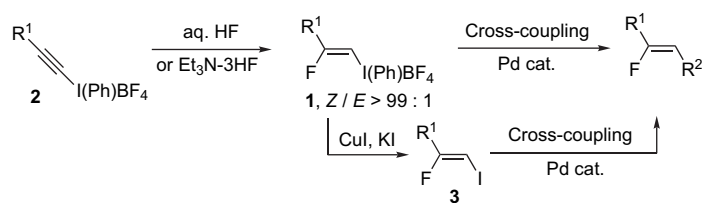
pp 8625–8635




Stereoselective synthesis of fluoroalkenes via (Z)-2-fluoroalkenyliodonium salts

Masanori Yoshida,* Ayumu Komata and Shoji Hara*

pp 8636–8645



*Corresponding author

 Supplementary data available via ScienceDirect



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