



Tetrahedron Vol. 64, No. 33, 2008

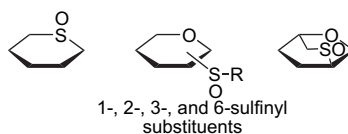
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Glycosulfoxides in carbohydrate chemistry

Maria Chiara Aversa, Anna Barattucci, Paola Bonaccorsi*

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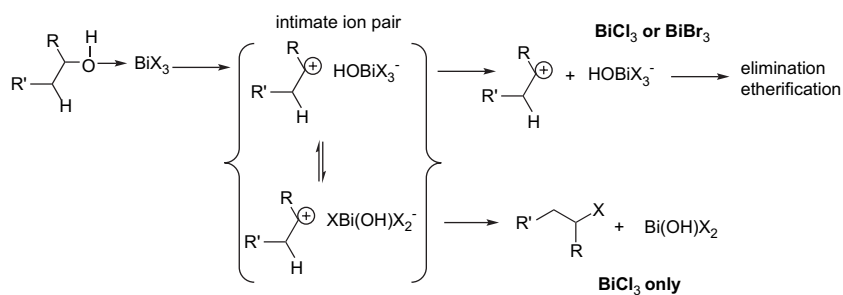


ARTICLES

The Lewis acidity of bismuth(III) halides: a DFT analysis

Jennifer Sanderson, Craig A. Bayse*

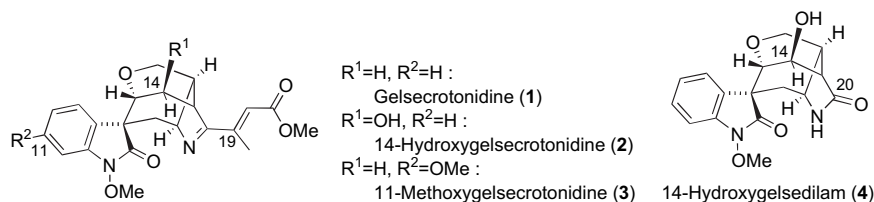
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Four novel gelsedine-type oxindole alkaloids from *Gelsemium elegans*

Yousuke Yamada, Mariko Kitajima, Noriyuki Kogure, Hiromitsu Takayama*

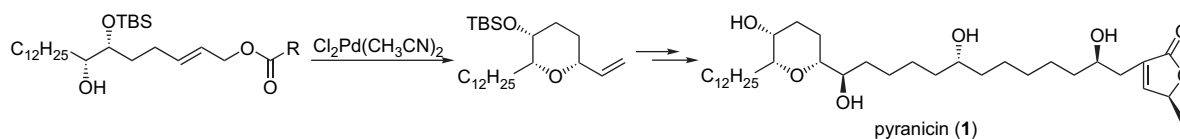
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Synthesis of pyranicin and its deoxygenated analogues and their inhibitory action with bovine heart mitochondrial complex I

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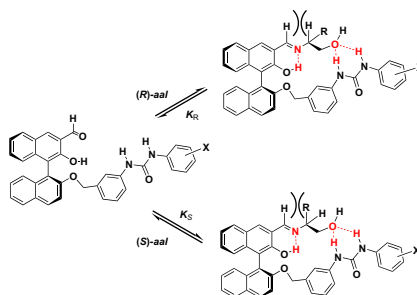
Shin-ichi Furuhata, Yasunao Hattori, Motonori Okajima, Hiroyuki Konno, Masato Abe, Hideto Miyoshi, Tetsuhisa Goto, Hidefumi Makabe*



Effects of ring substituents on enantioselective recognition of amino alcohols and acids in uryl-based binol receptors

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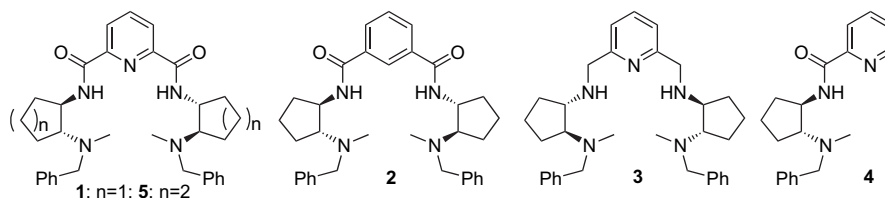
Raju Nandhakumar, Jayoung Ryu, Hyunjung Park, Lijun Tang, Sujung Choi, Kwan Mook Kim*



Cycloalkane-1,2-diamine derivatives as chiral solvating agents. Study of the structural variables controlling the NMR enantiodiscrimination of chiral carboxylic acids

pp 7709–7717

Carmen Peña, Javier González-Sabín, Ignacio Alfonso*, Francisca Rebolledo*, Vicente Gotor*

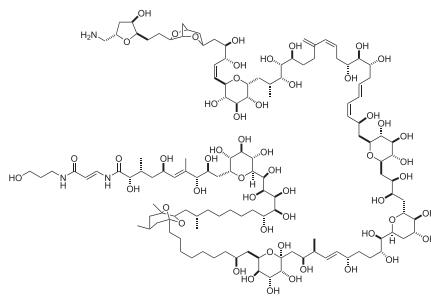


Several receptors **2–5**, structurally related to **1**, have been synthesized and tested as CSA for the NMR enantiodiscrimination of chiral carboxylic acids. The presence of the C_2 symmetrical pyridine-2,6-bis-carboxamide moiety is the key structural factor for the efficiency of the CSA, the best results being obtained with **1** and **5**.

The conformational features of palytoxin in aqueous solution

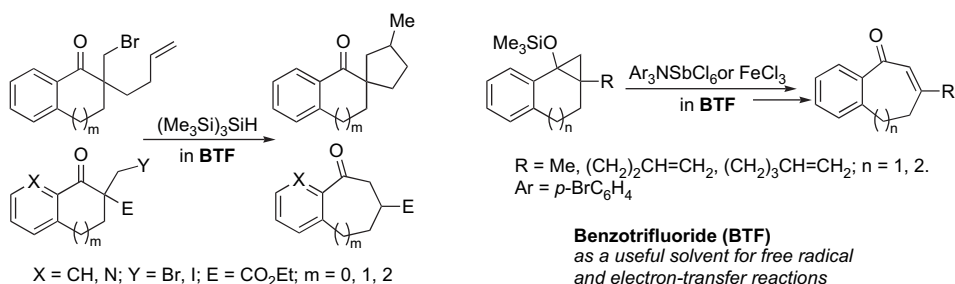
pp 7718–7723

Toshiyasu Inuzuka, Daisuke Uemura*, Hirokazu Arimoto*

**Tris(trimethylsilyl)silane promoted radical reaction and electron-transfer reaction in benzotrifluoride**

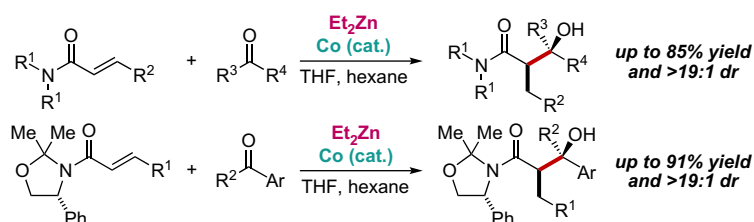
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Eietsu Hasegawa*, Yuki Ogawa, Koji Kakinuma, Hiroyuki Tsuchida, Emi Tosaka, Shinya Takizawa, Hiroyasu Muraoka, Tomoko Saikawa

**Racemic and asymmetric cobalt-catalysed reductive aldol couplings of α,β -unsaturated amides with ketones**

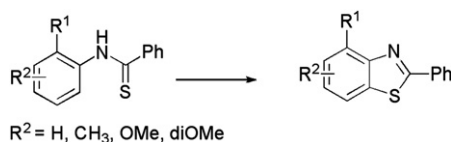
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Ralph J. R. Lumby, Pekka M. Joensuu, Hon Wai Lam*

**Conversion of thiobenzamides to benzothiazoles via intramolecular cyclization of the aryl radical cation**

pp 7741–7744

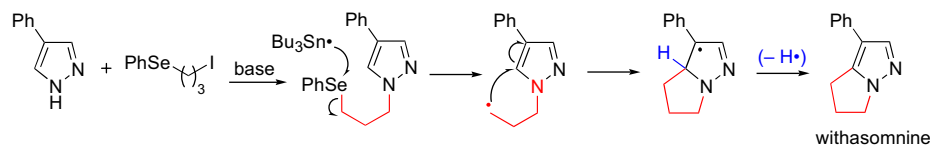
Nadale K. Downer-Riley, Yvette A. Jackson*



Bu₃SnH-mediated radical cyclisation onto azoles

pp 7745–7758

Steven M. Allin*, William R. S. Barton, W. Russell Bowman*, Emma Bridge (née Mann), Mark R. J. Elsegood, Tom McNally, Vickie McKee

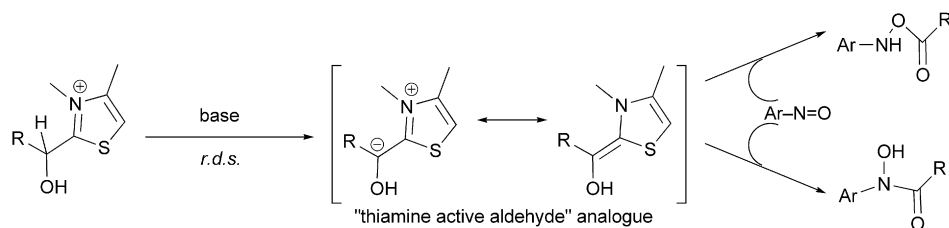


Alkyl radicals have been cyclised onto pyrroles, imidazoles and pyrazoles, and acyl radicals cyclised onto pyrroles, using Bu₃SnH-, (TMS)₃SiH- and Bu₃GeH-mediated aromatic homolytic substitution for the synthesis of bicyclic N-heterocycles, including the natural product withasomnine.

**Reaction of aromatic nitroso compounds with chemical models of 'thiamine active aldehyde'**

pp 7759–7770

Luísa M. Ferreira, M. Manuel B. Marques, Paulo M. C. Glória, Humberto T. Chaves, João-Pedro P. Franco, Isabel Mourato, José-Rafael T. Antunes, Henry S. Rzepa, Ana M. Lobo*, Sundaresan Prabhakar*

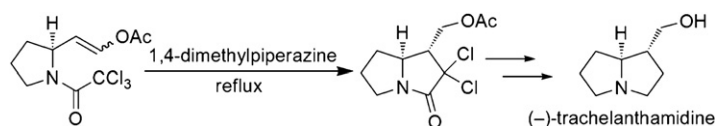


Aromatic nitroso compounds and 2-(α -hydroxyalkyl)-3,4-disubstituted thiazolium salts in the presence of base furnish inter alia the procarcinogenic O-acyl-arylhydroxylamines and the isomeric hydroxamic acids via a 'thiamine active aldehyde' analogue formed in a rate determining step.

Synthesis of (–)-trachelanthamidine using a single electron transfer reaction in 1,4-dimethylpiperazine

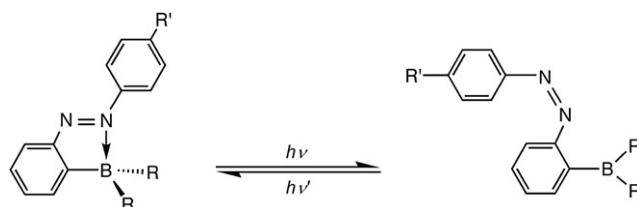
pp 7771–7773

Hiroyuki Ishibashi*, Masamichi Sasaki, Tsuyoshi Taniguchi

**Synthesis of organoboron compounds bearing an azo group and substituent effects on their structures and photoisomerization**

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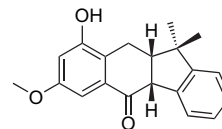
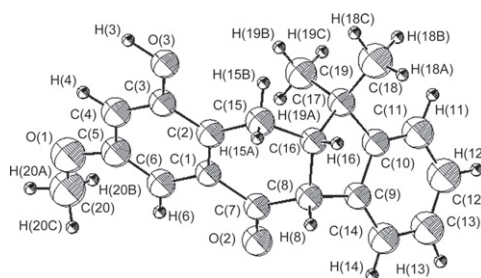
Junro Yoshino, Naokazu Kano*, Takayuki Kawashima*



Carexanes from *Carex distachya* Desf.: revised stereochemistry and characterization of four novel polyhydroxylated prenylstilbenes

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Antonio Fiorentino*, Brigida D'Abrosca, Severina Pacifico, Rosa Iacovino, Angelina Izzo, Piera Uzzo, Agostino Russo, Benedetto Di Blasio, Pietro Monaco



Oxidative coupling of indoles using thallium(III) trifluoroacetate

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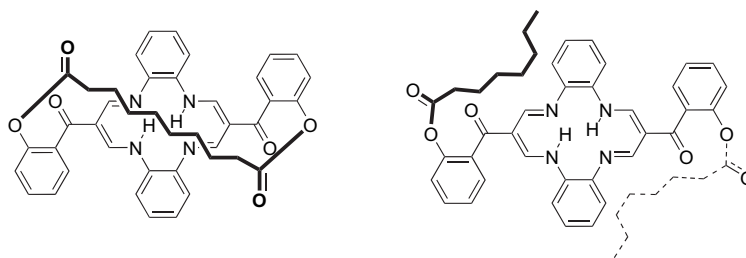
Paul A. Keller*, Nageshwar R. Yepuri, Michael J. Kelso, Michael Mariani, Brian W. Skelton, Allan H. White



New lacunar-type and pendant groups containing derivatives of β -unsubstituted dibenzotetraaza[14]annulenes—syntheses and crystal structures

pp 7796–7806

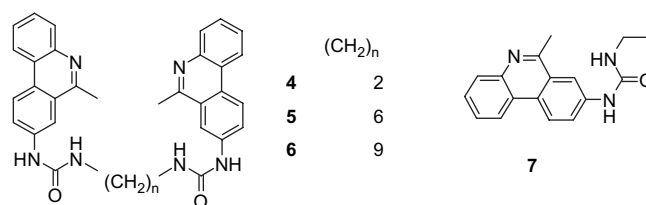
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Tuning urea–phenanthridinium conjugates for DNA/RNA and base pair recognition

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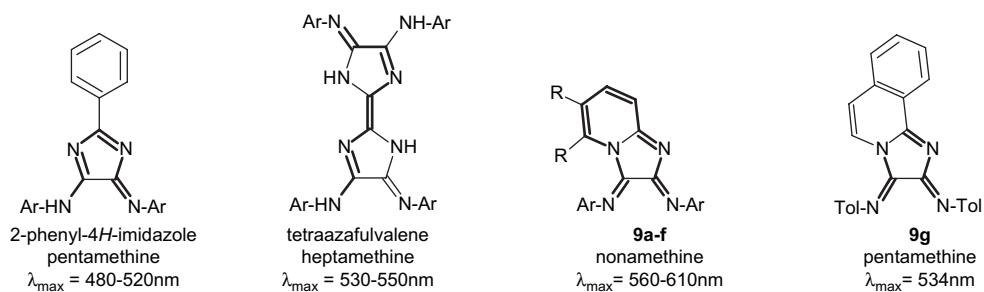
Marijana Radić Stojković, Ivo Piantanida*



4*H*-Imidazoles as functional dyes: synthesis of bichromophores and extension of the merocyanine system

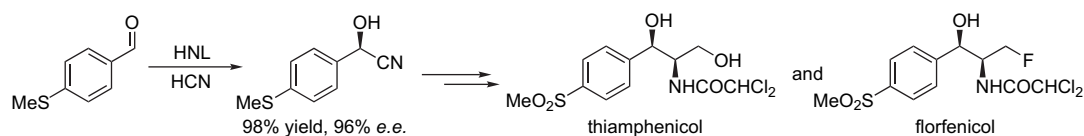
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Martin Matschke, Jörg Blumhoff, Rainer Beekert*

**New stereoselective synthesis of thiamphenicol and florfenicol from enantiomerically pure cyanohydrin: a chemo-enzymatic approach**

pp 7822–7827

Wenya Lu, Peiran Chen, Guoqiang Lin*

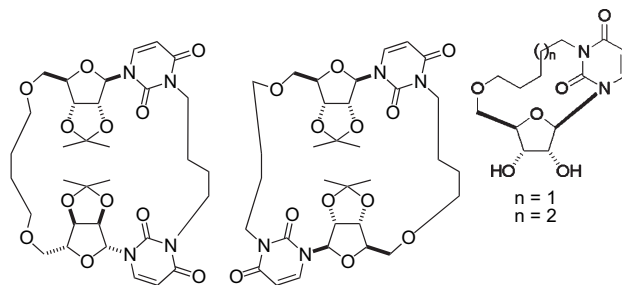


A new and efficient route to the asymmetric syntheses of thiamphenicol and florfenicol has been developed resulting in high ee and de values in 26% and 18% overall yields, respectively.

**Synthesis and structure of novel cyclonucleoside analogues of uridine**

pp 7828–7836

Shi Zhong, Martine Mondon, Serge Pilard, Christophe Len*



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*Corresponding author

 Supplementary data available via ScienceDirect

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