

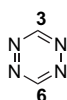
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REPORT

Recent advances and applications in 1,2,4,5-tetrazine chemistry

Nurullah Saracoglu

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1,2,4,5-tetrazine

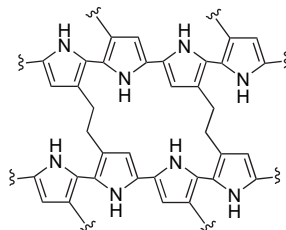
This review focuses on the chemistry of 1,2,4,5-tetrazine and its derivatives in the last 10 years for the period 1996–2006.

ARTICLES

Synthesis and polymerisation of α,ω -bis(3-pyrrolyl)alkanes

Richard C. Foitzik, Akif Kaynak and Frederick M. Pfeffer*

pp 4237–4242



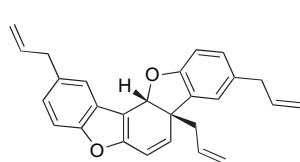
The synthesis, characterisation and polymerisation studies of a homologous series of α,ω -bis(pyrrolyl)alkanes are described. The resulting new flexible films were characterised by SEM, FTIR and tested for conductivity.



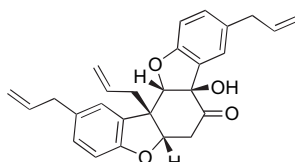
Structure and neurotrophic activity of novel sesqui-neolignans from the pericarps of *Illicium fargesii*

Miyako Moriyama, Jian-Mei Huang, Chun-Shu Yang, Hideaki Hioki, Miwa Kubo, Kenichi Harada and Yoshiyasu Fukuyama*

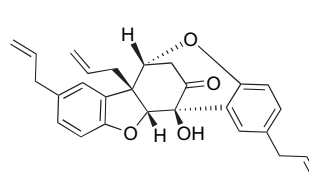
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Fargenin



Fargenone A

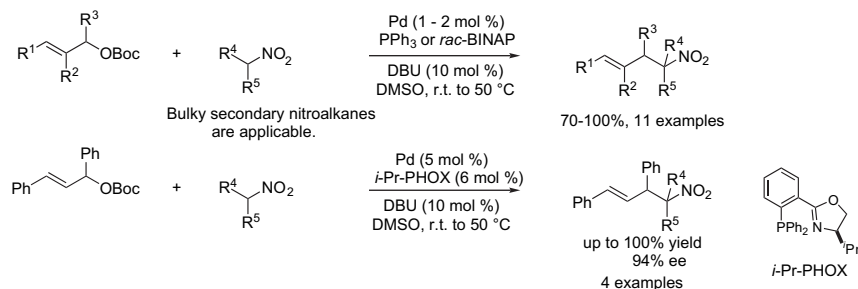


Fargenone B

Pd-Catalyzed allylic alkylation of secondary nitroalkanes

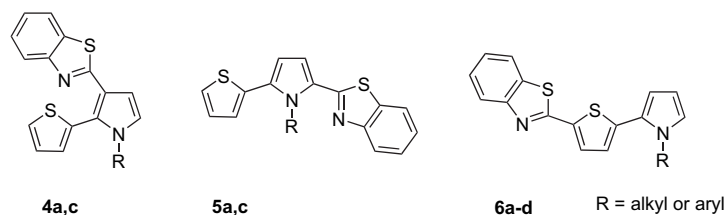
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Keisuke Maki, Motomu Kanai* and Masakatsu Shibasaki*

**Synthesis and characterization of new thienylpyrrolyl-benzothiazoles as efficient and thermally stable nonlinear optical chromophores**

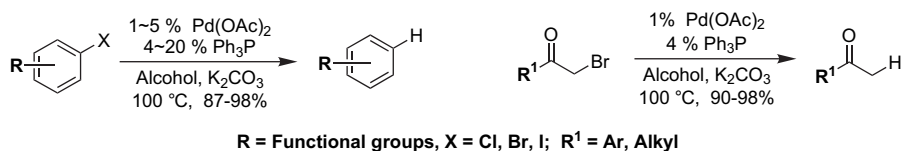
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Rosa M. F. Batista, Susana P. G. Costa, Elisabeth L. Malheiro, Michael Belsley and M. Manuela M. Raposo*

**A practical palladium catalyzed dehalogenation of aryl halides and α -haloketones**

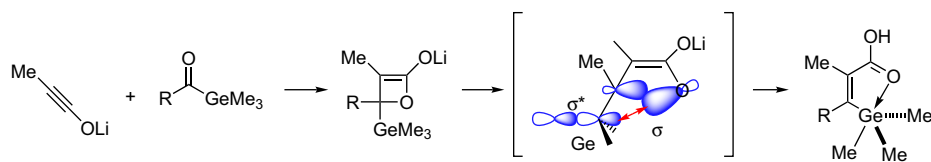
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Jingbo Chen, Yushun Zhang, Liquan Yang, Xiang Zhang, Jianping Liu, Liang Li and Hongbin Zhang*

**Hyperconjugative effect of C–Ge bonds: synthesis of multisubstituted alkenylgermanes via torquoselective olefination of acylgermanes with ynoles**

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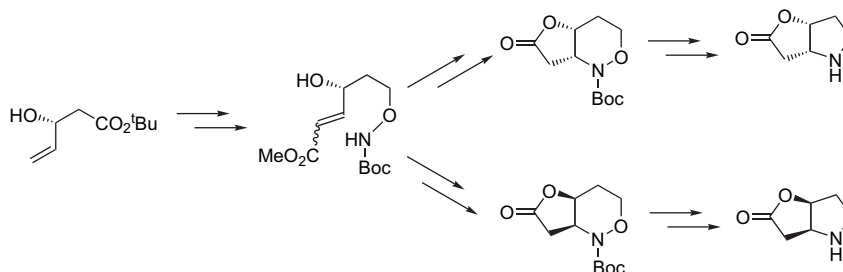
Mitsuru Shindo,* Kenji Matsumoto and Kozo Shishido



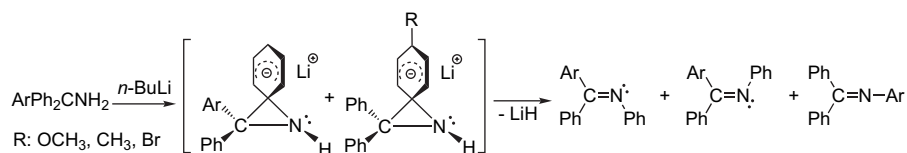
A new enantiodivergent synthesis of the Geissman–Waiss lactone

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Achille Barco, Nikla Baricordi, Simonetta Benetti, Carmela De Risi,* Gian P. Pollini* and Vinicio Zanirato

**Base-induced rearrangement of tritylamines to imines: discovery and investigation of the mechanism** pp 4284–4289

Vassiliki Theodorou,* Konstantinos Skobridis and Aris Karkatsoulis

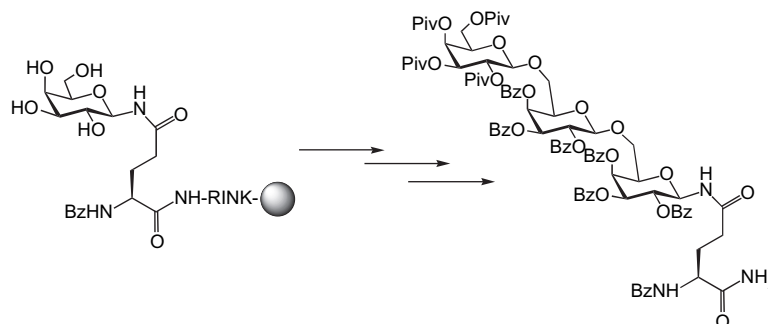


A cationotropic intramolecular aryl rearrangement, via an anionic intermediate, of tritylamines to imines upon treatment with *n*-butyl lithium is suggested. The anionic intermediate is better stabilized by electron-withdrawing substituents.

Solid-phase carbohydrate synthesis via on-bead protecting group chemistry

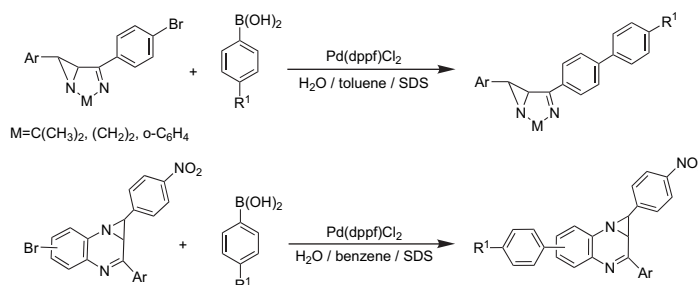
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Hilbert M. Branderhorst, Rob M. J. Liskamp and Roland J. Pieters*

**Synthesis of polyarene derivatives of fused aziridines by Suzuki–Miyaura cross-coupling**

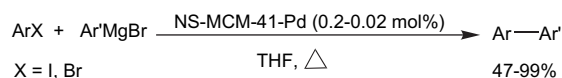
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Alexander I. Zbruyev, Valery V. Vashchenko, Anastasiya A. Andryushchenko, Sergey M. Desenko, Vladimir I. Musatov, Irina V. Knyazeva and Valentin A. Chebanov*



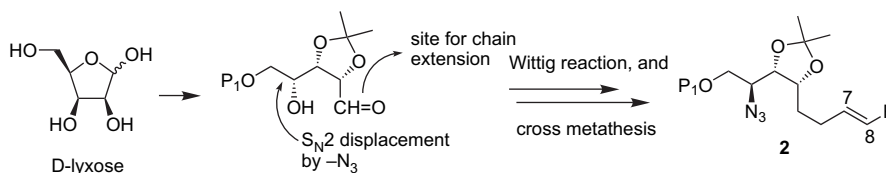
Anchored palladium bipyridyl complex in nanosized MCM-41: a recyclable and efficient catalyst for the Kumada–Corriu reaction pp 4304–4309

Fu-Yu Tsai,* Bo-Nan Lin, Ming-Jie Chen, Chung-Yuan Mou and Shiuh-Tzung Liu



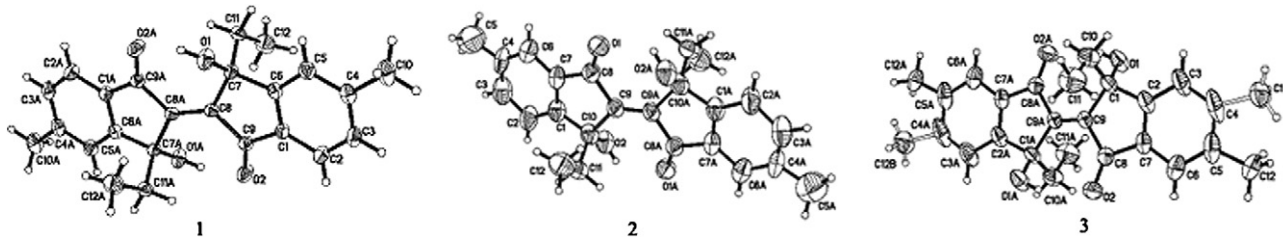
Synthesis of phytosphingosine using olefin cross-metathesis: a convenient access to chain-modified phytosphingosines from D-lyxose pp 4310–4318

Chi-We Chang, Yeng-Nan Chen, Avijit Kumar Adak, Kun-Hsien Lin, Der-Lii M. Tzou and Chun-Cheng Lin*



Synthesis, crystal structures, and photochromic properties of 6,6' or 7,7' or 6,7'-dimethyl-[2,2'-bi-1H-indene]-3,3'-diethyl-3,3'-dihydroxy-1,1'-diones pp 4319–4327

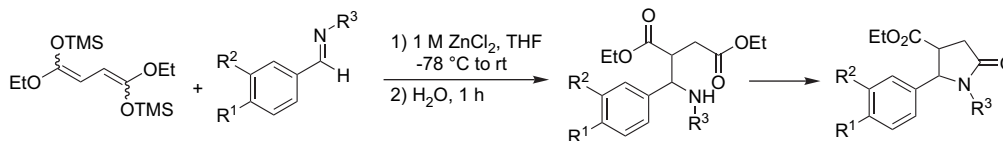
Yong Chen, Mei-Li Pang,* Kai-Ge Cheng, Ying Wang, Jie Han, Zheng-Jie He and Ji-Ben Meng*



The substituents, even like the simple methyl, on the benzene rings of biindenylidenedione could considerably affect the photochromic property, as well as other properties of this kind of compounds.

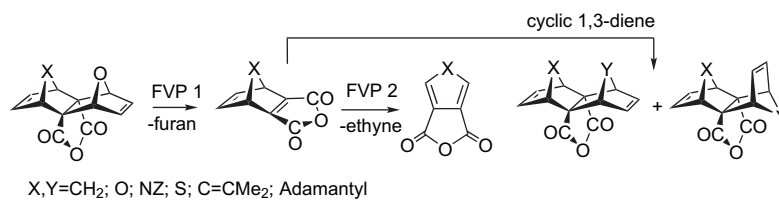
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Manat Pohmakotr,* Nattawut Yotapan, Patoomratana Tuchinda, Chutima Kuhakarn and Vichai Reutrakul*

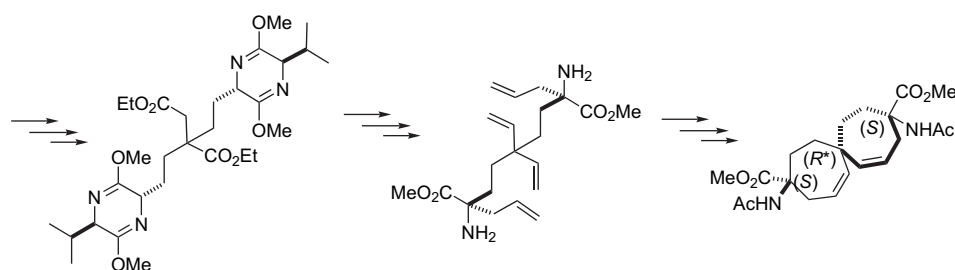


The preparation of 7-substituted norbornadiene-2,3-dicarboxylic anhydrides and an experimental and theoretical study of their reactivity pp 4338–4346

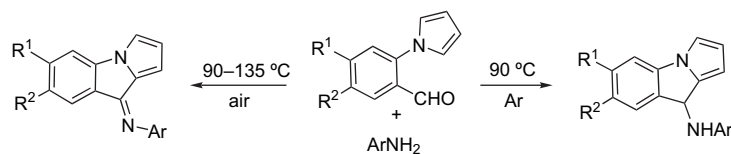
Davor Margetić,* Ronald N. Warrener, Guangxing Sun and Douglas N. Butler


A stereoselective synthesis of a spiro-bridged bis(α -amino acid) derivative based on Ru(II)-catalysed RCM reactions pp 4347–4355


Mioara Andrei, Jon Efskind and Kjell Undheim*


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Kazuhiro Kobayashi,* Yasutoshi Himei, Shuhei Fukamachi, Miyuki Tanmatsu, Osamu Morikawa and Hisatoshi Konishi



*Corresponding author

 Supplementary data available via ScienceDirect



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